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Supplement No. 41

METEOROLOGICAL RESULTS OF THE BYRD ANTARCTIC EXPEDITIONS 1928-30, 1933-35: TABLES

UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

FIGURE 1.—Little America from the air, 1934, looking toward the west. Bay of Whales in the upper background.

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METEOROLOGICAL RESULTS OF THE BYRD ANTARCTIC EXPEDITIONS 1928–30, 1933–35: TABLES

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FOREWORD

By G. Grimminger

Some of the data presented in this volume were prepared at Little America by W. C. Haines and H. T. Harrison in 1929–30, and by W. C. Haines and G. Grimminger in 1934–35. However, when the second expedition returned in 1935, the major portion of the work of preparing for publication the data of both the expeditions still remained to be done. It was, therefore, proposed that Haines and I proceed with this work in order to bring it to completion. Since, owing to the demands of his other duties, Haines found it impossible to devote any time to the work, I then agreed to carry it on alone; after working alone for some time, it became apparent that unless assistance could be obtained, the task would be a long and arduous one, and it is indeed fortunate that I was able to obtain assistance provided by the Works Progress Administration, assistance which I gratefully acknowledge and without which the completion of the present volume would have been considerably delayed. A. Busconi, of the W. P. A. personnel, has been especially helpful.

I am greatly indebted to Commander (CC) H. E. Saunders, United States Navy, cartographer of both Byrd Antarctic Expeditions, for devoting liberally of his time and his knowledge of cartography to provide final values for the geographical positions of the various trail parties and airplane flights.

It is a pleasure to acknowledge the efforts of H. T. Harrison in the meteorological work of the first Byrd Antarctic Expedition. In working with the original records one could not fail to notice the care and accuracy with which he participated in the work; and the task of preparing the present volume has in many instances been made easier because of this.

Admiral Byrd deserves particular credit and admiration for the devotion with which he carried out the meteorological work at the Bolling Advance Weather Base, which he occupied alone. In spite of the innumerable difficulties and desperate conditions with which he was beset during his lone vigil at the world's southernmost meteorological station, Byrd, nevertheless, with very few exceptions, managed to make continuous meteorological observations and to keep the meteorological instruments operating without interruption.

I am indebted to Admiral Byrd, leader of the expeditions, to the late W. R. Gregg, formerly Chief of the United States Weather Bureau, and to D. M. Little, Chief of the Aerological Division, for the encouragement which they have extended to me in the preparation of this volume. This has been an ever-present incentive in the work, particularly at those times when the amount of labor involved seemed most formidable.

Acknowledgment is due the National Geographic Society, which supported the meteorological work on the first expedition by paying the salaries of Messrs. Haines and Harrison.

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INTRODUCTION

By W. C. Haines

Exploration of the earth's polar regions brings to the minds of most people the thoughts of personal hardships endured in a land of ice and piercing cold. To the layman, then, the story of cold as indicated by the abnormally low temperatures experienced in the polar areas, is quite sufficient. But students of meteorology and world climatology require complete records of polar weather, including both surface and upper-air conditions, and such data, when systematically gathered and assembled, provide valuable meteorological information.

It is natural that far more meteorological data have been collected in the Arctic regions than in the Antarctic. During the past half-century many scientific expeditions have penetrated into the far North, and now permanent observation stations are established well within the Arctic area. For this reason, meteorologists are becoming better informed in regard to the influence of the Arctic and the outpouring of its cold air masses which so vitally affect the weather of North America and Europe.

But this is not so generally the case in the Antarctic. A number of expeditions have visited the south polar regions since the beginning of the century, and the British expeditions led by Scott and Shackleton, as well as the Norwegian expedition led by Amundsen, established bases in the Ross Sea region of Antarctica and collected a large amount of valuable meteorological data: but so far there have been no permanent weather stations operated on the Antarctic continent. While a large quantity of meteorological data has been accumulated from the Antarctic region, for the most part these weather records have been obtained from the continental coast and on islands in the South American and Australian sectors, and comprise almost entirely surface observations.

Rear Admiral Richard E. Byrd when planning his scientific expeditions to the Antarctic continent fully realized the importance that should be placed upon the meteorological work. He sought and obtained the services of trained meteorologists, as well as the loan of essential equipment, from the United States Weather Bureau, for carrying out the meteorological program of his two expeditions. The grateful appreciation of the Byrd Expeditions, and that of meteorologists generally, are due Professor Marvin and his successor in office, the late Dr. Willis R. Gregg, for their assistance and hearty cooperation.

The following pages contain a complete compilation of the meteorological data collected during both of the Byrd Expeditions. On the first expedition a party of 42 men established a base, named Little America, near the Bay of Whales, which was occupied from January 1, 1929, to February 19, 1930, a period of nearly 14 months. A second expedition of 56 men reoccupied Little America from January 17, 1934, to February 9, 1935, a period of about 13 months. This was fortunate, not only because it made possible the continuation of surface and upper-air observations at the same location, although 4 years intervened between the first and second expeditions, but also because the location of Little America was almost identical to that of Framheim where Amundsen obtained 10 months' meteorological observations in 1911–12. An aerial view of Little America is shown in figure 1.

Both of the Byrd Expeditions journeyed to the Bay of Whales, in Antarctica, from Dunedin, New Zealand, a distance of about 2,300 miles across the South Pacific Ocean and Ross Sea. Meteorological observations were made during all of these voyages, and also on several exploring trips. The regular personnel of the ships was responsible for many of the observations, and the accuracy with which these were taken compares favorably with those taken elsewhere by observers of this type.

The permanent base site was established on the floating Ross Shelf Ice at latitude 78°34′ S., and longitude 163°56′ W. The meteorological observatory at Little America was fully equipped to carry out complete weather observations, and the work was conducted along lines similar to that of any first-order United States Weather Bureau station. The routine schedule provided for three complete observations every day, at 8:00 a. m., 2:00 p. m. and 8:00 p. m., 180th meridian time. In addition to the surface observations, a large number of pilot-balloon observations and a considerable number of temperature soundings were made. Meteorological observations were taken by various trail parties, the most important being those which visited the Queen Maud Mountains to the south and Edsel Ford Mountains to the east. Although these observations were not made by trained meteorologists, those who did the observing were given ample preliminary training.

During the second expedition, a secondary weather station was established at a point on the Barrier 100 geographical miles south of Little America. This was called the "Bolling Advance Weather Base," and was occupied by Admiral Byrd from March 26 to October 11, 1934. A schedule of surface observations was carried out at the Advance Base during this period.

Modern polar exploration, with its major aviation activities, is dependent, to a great extent, upon trained meteorologists and their interpretation of weather changes. Therefore, much practical use was made of the current meteorological data and upper-air soundings taken at Little America. The expedition's flying activities were governed almost entirely by results of pilot-balloon observations; for instance, not a major flight was made on either of the two expeditions unless observations first were taken to determine the wind movement aloft. During the early days of the first expedition, it was found that a deep southerly air current extending upward from the surface to high altitudes was always associated with clear skies and stable weather conditions. This knowledge provided the most dependable basis upon which predictions of favorable flying weather could be made. Frequent pilot-balloon observations were taken while flights were in progress so as to determine the trend of the wind movement, and thereby anticipate any sudden changes in weather conditions which were likely to follow.

The pilot-balloon ascents also frequently gave the first indications of the approach of a type of local blizzard that was common at Little America. These observations frequently revealed the existence of a stratum of strong wind at an altitude of a few hundred feet. Quite often the high velocities broke through the cold dense layer of slower-moving surface air, and caused heavy drifting of the snow. Such information was found to be very valuable when planning those camp activities with which drift always seriously interfered.

Weather reports were exchanged by radio from October 22, 1934, to January 11, 1935, with the Ellsworth Expedition which was based at Deception and Snow Hill Islands. A large amount of surface and upper-air data were furnished to them in connection with Lincoln Ellsworth's proposed flight across the continent to Little America.

BYRD ANTARCTIC EXPEDITION I, 1928–30

The meteorological program of the first expedition was organized in the summer of 1928, after Admiral Byrd obtained the cooperation of the Weather Bureau in furnishing trained personnel and meteorological equipment for the expedition. The writer was assigned to conduct the meteorological work with H. T. Harrison to assist. In planning the meteorological program, the importance of upper-air investigations in the polar regions was stressed. Thus, in addition to the usual instruments for making surface observations, pilot balloons, hydrogen gas, theodolites, and kite equipment were included for upper-air soundings. Complete apparatus for testing and calibrating the kite meteorographs was taken to Little America.

All the instruments were of the same type as used by the United States Weather Bureau and are described in detail in the various Weather Bureau circulars; they were thoroughly tested in the United States before the departure of the expedition. Additional clocks and spare parts were included for replacements and repairs. In short, every care was taken to insure a continuous and accurate record of the meteorological conditions experienced during the year or more the party planned to be on the Antarctic ice.

The first expedition embarked from Brooklyn, N. Y., in the latter part of September 1928. Two ships were used to transport the personnel and supplies; the *City of New York*, an old sailing vessel fitted with auxiliary steam power, and the steamship *Eleanor Bolling*, a steel vessel of 450 tons. Both ships were bound for Dunedin, New Zealand, where additional supplies and equipment awaited their arrival. This was to be the last stop in civilization from which the trip to Antarctic would begin.

After an uneventful but slow voyage through the Panama Canal and across the Pacific via Tahiti, the ships finally arrived at Dunedin. While assembling the supplies and equipment to be used at the Antarctic base, it was discovered that several scientific instruments had been damaged because of a leaking fresh-water tank on board one of the ships. Only a few Weather Bureau instruments had been injured, however, and before sailing time they had been satisfactorily repaired by a local instrument maker of Dunedin.

On the morning of December 2, 1928, the *City of New York*, loaded with vital supplies for the expedition, and accompanied by the *Eleanor Bolling* with a cargo of coal, sailed for the Bay of Whales. When the Ice Pack was reached, the bunkers of the *City of New York* were refilled with coal from the *Eleanor Bolling* and the latter vessel then returned to New Zealand for a second cargo of supplies. Meanwhile the *City of New York*, after spending much valuable time searching for a safe opening, finally entered the Ice Pack and proceeded southward through the Ross Sea to the Bay of Whales. After departure from Dunedin complete instrumental equipment was set up on board the *City of New York*, and, in spite of the constant duties that everyone was called upon to perform during the voyage, complete weather observations were made from Dunedin to the Bay of Whales.

At the end of a hazardous trip of 26 days, the *City of New York* finally reached the Bay of Whales. As soon as a satisfactory site for a base camp could be found, the ship tied up to the edge of the treacherous Bay ice, and the work of unloading the ship and transporting the supplies to the base was speedily begun. Because of the unfavorable ice conditions that prevailed in the Bay, this work necessarily continued for several weeks and required the help of all on board. But, during all this time, the weather observations were continued on board the ship, and it was not until the middle of February that the observational equipment was removed to the base at Little America, a distance of about 5 miles.

Little America, by this time was only partially constructed. For this reason the instruments were temporarily installed after being removed from the ship. The barometers, barograph, and wind recorder were placed in the Mess Hall, with the anemometer mounted on a heavy timber, 15 feet above the surface. A shelter containing the thermometers, thermograph, and hygrograph was supported in one of the radio towers so as to be about 5 feet above the surface of the ice and snow. Careful consideration was given to the elevation of the barometers. This was approximately 30 feet above sea level, which permitted the same elevation to be maintained when the permanent installation was made some weeks later.

As speedily as possible the meteorological station was established in the Administration Building, which was located some 200 yards east of the Mess Hall. The barometers were mounted on the wall, and the previously determined elevation of 30 feet above sea level was verified by the expedition's surveyor. A thermometer shelter was permanently installed upon a 5-foot support, 20 feet west of the building, and the anemometer and wind vane were mounted on a wooden support 20 feet above the surface.

Through the inability of the *Eleanor Bolling* to make a second trip from New Zealand with additional supplies for the base, as had been planned, a standard metal support for the anemometer and wind vane and a register for recording wind direction, failed to reach the Antarctic. However, the meteorological work suffered very little on this account, for a wind direction-indicator, similar to those now in use at Weather Bureau airport stations, was constructed. The directions were indicated by tiny lights, and the device was installed in the building near the velocity recorder.

Every precaution was taken to insure reliable instrumental readings. Great care was exercised when the standard mercurial barometers were carried on board the ship. They were secured in an inverted position so as to insure absolute safety during the long and extremely rough voyage. Upon arrival in New Zealand they were

taken from the cases, checked carefully, and hung in the chart room of the *City of New York* for the remainder of the trip. A dog team that hauled the barometers and other fragile equipment the 5 miles over the ice from the ship to Little America was accompanied by the meteorologists. Comparative readings of the barometers after their final installation at Little America showed them to be in perfect condition. Other barometric comparisons made from time to time during the year showed their condition remained unchanged.

Extra thermometers were installed in the instrument shelter and used as a check on those from which the station temperatures were read. This precaution was taken in order to detect any separation in the spirit column or other defects which could develop in the station thermometers. The readings of the mercurial maximum thermometer were limited to days on which the temperature was definitely above the freezing point of mercury. At lower temperatures the maximum readings were obtained from the thermograph record after proper corrections were made.

The pilot-balloon equipment consisted of 2 standard theodolites, a stock of about 500 rubber balloons, and approximately 4,000 cubic feet of hydrogen gas confined in metal cylinders. A supply of small paper lanterns and candles for use in making pilot-balloon observations in the darkness was also included.

The pilot-baloon work began at Little America on January 16, when the hydrogen gas arrived at camp after a difficult transfer from the ship. This, of course, was some weeks before arrangements could be made to house the theodolite and filling devices. In order not to delay operations the theodolite was set up on the Barrier with a temporary windbreak constructed by piling boxes of food so as to protect the observer. This did not prove at all satisfactory, for while it partially protected the observers from the cold winds, it also caused snow to drift over the theodolite. As a result of a series of blizzards throughout February and March, much time was spent shoveling the theodolite out of the snow. Balloons were inflated in a small tent, but this arrangement presented difficulties when the wind was blowing. But in spite of these handicaps it was possible to keep the series of observations unbroken until the permanent location was constructed.

This experience revealed that the utmost protection for observers and instruments would be necessary if pilot-balloon observations were to be continued throughout the long winter night. By this time the Administration Building had been completed. It was connected to another house by a tunnel which also led to the surface. However, it was not long before drifting snow had covered the building so that it was submerged entirely beneath the level of the surrounding Barrier surface with only the stove and ventilator pipes remaining visible.

It was decided, therefore, to excavate a small room beneath the snow to be used for storing the equipment and inflating the balloons. This room was located at a corner formed by the front of the Administration Building and the vestibule that connected with the tunnel. But in order to release and observe the balloons, an opening about 4 feet square was cut through the ceiling upward to the surface. It was boxed in with a frame that projected about a foot above the level of the snow. Then, by arranging a light wooden top or cover, which could be removed or replaced from beneath, it was not necessary for the observer to leave the protection of the room. A small elevated platform, for the tripod and the observer, was erected directly under the opening so as to bring the theodolite telescope level with the top of the frame. With this arrangement the balloon observations were conducted with complete satisfaction and in comparative comfort as long as suitable clothing was worn. A similar arrangement was used in 1934–35 and is shown in figure 2.

Drifting snow became the greatest hazard in connection with the pilot-balloon work. A wind of 20 miles per hour would drive the snow along the surface, while at 25 or 30 miles the air became so filled with drift that the visibility was reduced to a distance of only a few yards. Very frequently frost collected on the theodolite lenses, expecially the eyepiece, since provision had not been made for heating the lenses. When frost formed, the deposit had to be removed continuously during the observation in order to keep from losing sight of the balloons. Occasionally this frost collected on the lenses and prism inside the theodolite, and it became necessary to remove the instrument to the house and thoroughly dry it out over the stove. Whenever such treatment was required the procedure usually consumed several hours.

When taking instruments from very low temperature outdoors into a warm room it was found that a thick coating of frost formed as soon as warm, moist air came in contact with the cold metal parts. Then when the frost melted, the instrument became saturated inside and out with water. For this reason, therefore, instruments exposed in the open were never taken indoors except in an emergency, and all record sheets, such as the thermograph and hygrograph, were changed on the outside, or in the protected tunnel system which was nearly as cold.

The pilot-balloon plotting board was installed along with the other equipment in the Administration Building. A portable telephone circuit connected the inner office with the theodolite. This arrangement enabled the "observer" to transmit the angle readings to the "recorder" at the plotting board so that he could compute the observation at the same time the balloon was being followed by the "observer." See figure 3.

Small paper lanterns illuminated with candles were attached to the balloons during the winter night. These could be followed, under favorable atmospheric conditions, to a height of 4,000 or 5,000 meters. In order to read the theodolite scales when it was dark it was necessary to use lighting devices which were fastened on the theodolites. These were operated from a storage battery that was kept within the building.

It had been originally planned to take the balloon observations at intervals of approximately 12 hours, yet at the same time obtain as great an altitude as possible whenever favorable weather conditions permitted. But because of the frequency of low clouds or drifting surface snow, as well as the necessity of conserving gas and balloons, it became impracticable to adhere to a regular schedule, with the result that the times of the pilot ascents are somewhat varied. A total of 414 pilot balloon observations were completed during a period of 385 days. On February 5, 1930, the final balloon observation was made prior to the packing of the equipment for the return to the United States.

The kite equipment consisted of two Marvin kite meteorographs, several unassembled box kites of standard type, many thousand meters of piano wire, and a special light-weight hand reel; this latter was necessary because the standard kite reel used by the Weather Bureau was far too heavy for transportation in the Antarctic.

During a severe blizzard in March, a crate of essential kite parts was lost under the snow. This delayed considerably the starting of the work as it was late in the

winter before replacements could be made to permit the assembling of a sufficient number of kites to start making ascents. After many difficulties and delays resulting from drifting snow there was finally constructed a snow-block storage house. This was about 20 feet long, 12 feet wide, and 7 feet high, and was covered with a tarpaulin supported with bamboo poles. One end of the house was partitioned off as a workroom, and the other used for storage of equipment. A large opening in the wall provided for the passage of the kites, and a crude stove designed to burn seal blubber gave some warmth. Under favorable conditions, the temperature in the workroom could be raised to about 0° F., which was quite cold for work that necessarily had to be done with the bare hands. See figure 4.

Kite flying began in the latter part of September 1929, after a sufficient number of kites had been assembled. In the meantime the expedition machinist had skillfully converted an outboard motor so it would operate the power unit of the kite reel. The first kite ascent was made on a particularly cold and disagreeable day, and several men received severe frostbite of the face and hands before the ascent was completed. Following this experience it was deemed advisable to postpone further ascents until more moderate weather. Kite ascents were made with some regularity during the next 2 or 3 months, but were limited in altitude because of the failure of the motor-driven equipment, which necessitated reeling in by hand. Finally, while making an ascent in the latter part of December, the head kite, carrying the only remaining serviceable instrument, broke loose and disappeared. Just a few days before leaving Little America, this kite was accidentally discovered lodged in the jagged pressure ice far out on the Bay, and the instrument recovered.

Conditions at Little America were far from ideal for kite work. Because of their higher velocity, the most favorable winds for launching kites were easterly, but these were nearly always accompanied by low clouds. When the kites entered the cloud layer, which was always many degrees below freezing, the weight of the ice and rime that collected prevented them from rising into the lighter winds that usually prevailed higher up. Therefore, after prolonged and unsuccessful attempts to gain more altitude, the kites and wire became so weighted with rime that the whole assembly fell to the surface. As a result, several miles of wire, with from four to six kites attached at approximately half-mile intervals, often lay stretched over the Barrier. Much of the work connected with the the kite ascents consisted, therefore, in gathering up kites and wire and hauling them back to camp by means of dog team.

The first Byrd Expedition had no special plane provided for making temperature soundings. However, a kite meteorograph was installed on the plane whenever a major flight was made. These records were desired not only for their meteorological significance, but also for their use in computing the plane altitudes, which were needed in connection with the aerial mapping surveys.

In the case of the small four-passenger plane, the instrument was suspended by coil springs within a metal frame that was attached to a wing brace or strut. However, this method of supporting the instrument was not satisfactory in the trimotored Ford plane because excessive vibration rendered the records useless. After experimenting with various methods of attachment, the instrument was finally suspended within the fuselage to the rear of the cabin by means of rubber cords. Ample ventilation was insured by running a tube of wind proof cloth from an air vent in the top of the fuselage to the meteorograph. A perfect record was obtained in this manner on the long polar flight from the time the plane left Little America until it returned, nearly 19 hours later.

Trail parties were encouraged to keep complete meteorological records on their exploring trips. They were provided with thermometers and aneroid barometers which had been carefully calibrated at Little America. Careful instruction was given to the person designated to make the meteorological observations.

Precipitation in the Antarctic region is nearly all in the form of snow. An attempt was made to determine the daily amounts of snowfall. It turned out to be very difficult to give these amounts with any close degree of accuracy since in the majority of cases snowfall was accompanied by fairly strong winds which caused the air to become filled with drifting surface snow as well as the falling snow. In these instances the amount of snowfall was estimated as closely as possible by taking into account its intensity and duration. When the snowfall occurred with light winds the depth of the newly fallen snow on the surface was measured directly, and the amounts given in these instances can be regarded as quite accurate. The amounts are published herewith, and while no claim can be made as to their accuracy, it is believed that the results are sufficiently reliable to indicate the relative monthly amounts in most cases.

BYRD ANTARCTIC EXPEDITION II, 1933–35

Admiral Byrd, in the summer of 1933, again sought the cooperation of the Weather Bureau to conduct the meteorological work of the second expedition. G. Grimminger was assigned to carry on the meteorological work and the writer was to go along to help set up the station and then return with the ships. However, in view of the large amount of work to be done, it was decided that I should stay and the meteorological work was carried on by the two of us. As was the case in the first expedition, the Weather Bureau lent the instrumental equipment.

In organizing the meteorological work of the second expedition it was considered advisable to continue along the same general lines followed on the previous expedition and emphasis was again placed upon upper-air observations.

Because of the difficulties encountered on the first expedition in using kites, it was decided to use a small plane instead. An autogyro, therefore, was included with the aviation equipment, primarily for the purpose of making temperature soundings. Several aerometeorographs to be used on these flights, as well as complete testing apparatus for their calibration, were included.

Because of the plans to maintain an additional weather station in the interior some distance south of Little America, it was necessary to increase considerably the amount of the instrumental equipment over that provided for the first expedition. The pilot-balloon equipment was increased by additional theodolites and a larger supply of hydrogen gas, balloons, paper lanterns, etc., so that pilot-balloon ascents could be made at the secondary weather station.

As on the first expedition, care was exercised to insure the safe arrival of the barometers at Little America. Two standard Weather Bureau mercurial barometers, in order

FIGURE 2.—Pilot-balloon observation platform at Little America, 1934.

FIGURE 3.—The interior of the meteorological observatory at Little America, 1934.

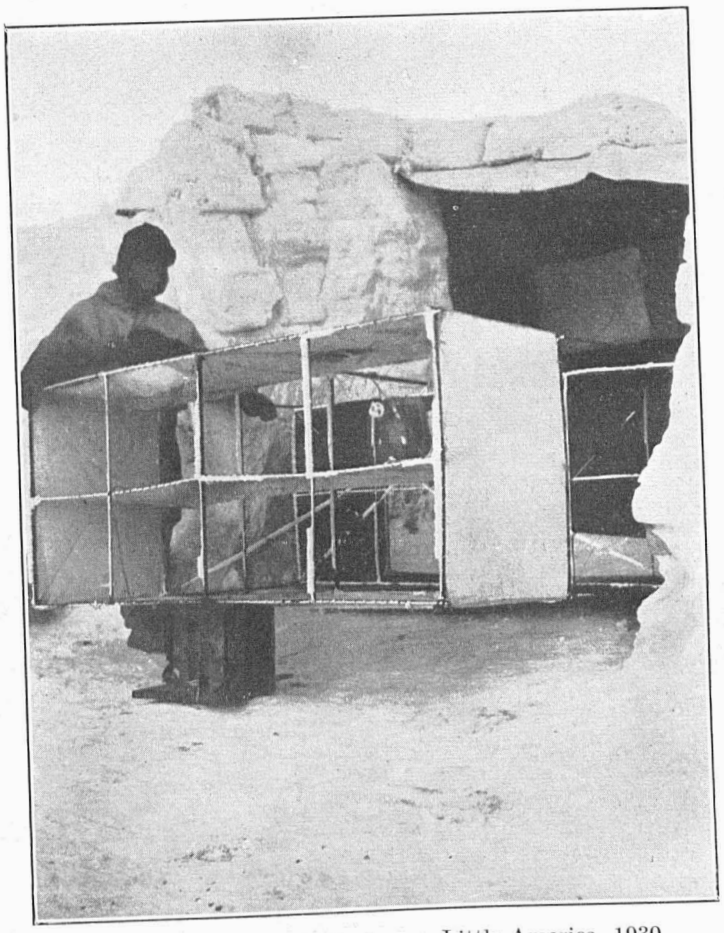

FIGURE 4.—Kite and kite house, Little America, 1930.

FIGURE 5.—Wind vane and anemometer support at Little America.

to avoid rough handling by other means, were transported personally from Washington, D. C., to Boston, Mass., and placed on board the ship. Upon arrival at the Bay of Whales, they, together with three others, were taken to the base by one of the tractors, but carefully held in an upright position by hand during the entire trip. After these barometers were permanently installed, comparative readings showed that they were in perfect condition. These details are mentioned in order to show the care taken to insure reliable pressure readings.

The second expedition embarked from Boston, Mass., and, as on the first expedition, two ships were used to transport the personnel and supplies. These were the barkentine *Bear of Oakland*, which used auxiliary steam power, and the steel freighter *Jacob Ruppert*. The *Bear of Oakland* had the heroic distinction of rescuing Gen. A. W. Greely and the six remaining survivors of his ill-fated expedition at Cape Sabine, in 1884. She subsequently served in the Arctic whaling fleet. The *Jacob Ruppert* was an 8,000-ton oil-burning steel vessel of wartime construction.

The *Bear of Oakland* sailed from Boston, Mass., on September 25, 1933, and the *Jacob Ruppert* departed a month later. Both vessels were bound for Wellington, New Zealand, which was to be the last stop before making the trip southward through the icy waters of the Ross Sea. The *Jacob Ruppert* carried the planes, more than 150 dogs, and most of the supplies and scientific equipment.

On December 5, the *Jacob Ruppert* arrived in Wellington, in advance of the slower *Bear*. Supplies which had been previously assembled at that city were taken on board. Because the plans of the expedition called for exploration by ship and airplane of a large and previously unknown area lying to the eastward of the Ross Sea, the aviation section prepared the large Condor plane for flight. It was secured to a platform built over a hatch on the after well deck, and was equipped with pontoons so that it could take off and land in open water.

The vessel left Wellington on December 12, 1933, and steamed along a southeastward course that reached the ice filled waters in the vicinity of the Antarctic Circle and the 150th meridian. From there the ship cruised eastward among great icebergs and vast fields of pack ice as far as the 116th meridian before it again turned westward. Three airplane flights were made to the southward over the pack ice, but indications of land were not observed. At last, when the vessel reached a point north of the Ross Sea, its course was directed southward to Little America.

Very little pack ice was met while approaching the Ross Sea. This was surprising and unexpected since on the first expedition a pack 300 miles in extent was encountered in the same vicinity. Without further delay, therefore, the ship journeyed through the Ross Sea and entered the Bay of Whales on the morning of January 16, 1934. But here great difficulty was experienced in the unloading of the ship. The ice was breaking up rapidly, and it was only with extreme effort and good fortune that the supplies could be removed and carried back upon the bay ice a safe distance. Transportation of the supplies to the base next presented a tremendous problem owing to the large pressure ridges and numerous crevasses which had developed since our first visit. It was more than a fortnight after landing before a regular schedule of weather observations could be started again at Little America.

The *Bear of Oakland*, after taking on lumber, tractors, and other stores in New Zealand, started south on January 19. After an uneventful trip through the Ross Sea, she arrived in the Bay of Whales on the night of January 30. The next few days were spent in unloading the ship. Then, on February 7, Admiral Byrd took the *Bear* on an exploring trip to the northeastward to determine, if possible, the trend of the coast line of Marie Byrd Land, but the heavy pack ice forced the ship back when it reached the 148th meridian. A few days after returning to Little America, the *Bear* was sent northward into the Ross Sea to meet the British exploring ship *Discovery II* which was bringing a doctor and additional medical supplies for the expedition from New Zealand.

The meteorological observations were taken at Little America in the same location as on the first expedition. The mercurial barometers were again mounted on the wall of the same building at about 30 feet above sea level, and the anemometer and wind vane were placed on a standard 18-foot metal support, 15 feet east of the building. The instrument shelter mounted on a 5-foot support, was located 20 feet from the southeast corner which was a sufficient distance away so as not to be affected by the heat from the stove pipes. See figure 5.

The pilot-balloon equipment was installed at the same location and in similar manner as on the previous expedition. The first balloon observation was taken on March 30, 1934. However, as was the case on the previous expedition, a regular schedule was not followed on account of the frequency of surface drift and low clouds. In spite of this, 2 or more observations were made daily whenever the weather permitted. The station was dismantled on February 2, 1935, in preparation for the return journey home, and a total of 569 observations were taken during the 310-day period it was in operation.

Frosting of the theodolite lenses, which caused considerable trouble on the first expedition, was prevented by the installation of thermal units on the instrument. It had been planned to have the heating devices constructed and placed on the theodolites when the equipment was being assembled, but this was found to be impracticable. However, resistance wire and insulating material needed for constructing these units were included with the scientific equipment.

The heating device for the eyepiece consisted of a number of turns of resistance wire wrapped around a short section of insulating tube. This was of a sufficient diameter so that it would slip over the eyepiece tube when the cap had been removed. A covering of nonconducting material was then placed around the tube in order that a greater quantity of heat would be conducted toward the lens. Wire leads connected this resistor to a 6-volt storage battery located within the building.

In addition, it was necessary also to heat the object lens. This was accomplished by placing a small electric light bulb on the under side of the telescope so that the bulb was even with the end of the barrel. Then a layer of asbestos cloth was placed around the bulb and the telescope, and held in place with a wrapping of friction tape. Wire leads, running from the bulb, connected to the 110-volt lighting circuit indoors. Switches were provided to turn either of the heating units on or off as needed. These heating devices, although crude, gave very satisfactory service.

A small portable building had been constructed before leaving the United States to house the personnel and equipment of the secondary meteorological station. This was to be located in the interior to the south far away from the moderating influence of the Ross Sea. The original plan for three men to occupy the Advance Base during

the winter night was abandoned when Admiral Byrd finally decided to occupy it alone. This station was located approximately 100 geographical miles south of Little America, which was much closer than had been originally intended.

It was supplied with the usual instruments for registering and automatically recording temperature, pressure, wind direction, and velocity. But the original plan for making pilot-balloon ascents there had to be abandoned after it had been decided that only one man would occupy the station. The mercurial barometer, although carefully packed, was broken either while en route by plane to the Advance Base or while the house was being assembled. However, its loss did not prevent reliable pressure records from being obtained, for readings were taken from both an aneroid barometer and a barograph. These instruments had been carefully calibrated at Little America before being sent to the Advance Base.

In addition to the standard thermograph, which was exposed in the instrument shelter, the recording part of a telethermograph was installed in the house and its temperature element exposed in the shelter beside the thermometers. This precaution was taken in case the standard thermograph failed to function on account of extremely low temperatures.

Before departing for the Advance Base, Admiral Byrd was given preliminary instruction in the use and care of the instruments. The wind vane and support selected for this interior station were of the light airway type with unprotected wind-direction contacts. Frequently these contacts became covered with a very thin film of rime, which had to be constantly removed in order for the wind-direction apparatus to properly record. The standard thermograph sometimes failed to function during the lowest temperatures, but continuous records were obtained by means of the tele-thermograph.

Temperature soundings by airplane were commenced while the winter conditions still prevailed. In the latter part of August, just as soon as the sun appeared, the autogyro was dug out of the snow and prepared for flying. It was planned to make daily ascents whenever the weather was favorable. Since it was thought that certain parts of the plane might be affected by extremely low temperatures, ascents were not made on some of the colder days when the thermometer registered −60° F., or below.

The first sounding was made with the autogyro on September 1, 1934, by W. S. McCormick, who had been assigned to pilot this plane. They were continued in spite of the low temperatures until a total of 10 ascents had been made in the period of about 3 weeks. Then, on the eleventh ascent, an unfortunate disaster brought the airplane soundings temporarily to an end. On September 25, the autogyro was demolished while making a forced landing, and the pilot was injured.

The loss of the autogyro not only interrupted the temperature soundings, but also made it difficult to obtain as many soundings as were desired later on since the remaining larger planes were then being used for other purposes. Besides the large planes required more work to prepare for flight and more fuel to operate, and this made their use impracticable for daily ascents. However, the soundings were continued but not with the regularity that was desired. Aerometeorograph records were obtained on most of the exploring flights. A number of soundings to the surface were also made by plane to obtain the approximate height of the Rockefeller Plateau which was discovered to the east of Little America.

It is difficult for those who are not familiar with conditions in the Antarctic to realize how much physical work and exposure were required by the aviation personnel to make these temperature soundings. As a rule, several men usually worked for about 3 hours heating the oil and motor, filling the tanks, and clearing the drifted snow from various parts of the plane before a sounding could be made. Then another hour or two was required to complete these meteorological flights, drain the oil, and properly secure the plane.

The method of exposing the aerometeorograph was similar to that used on the first expedition. In the case of the autogyro, the instrument was suspended in a metal frame attached to the wing strut, but in the *Pilgrim* and the large Condor plane it was suspended within the fuselage to the rear of the cabin by means of rubber cords. The air from the outside was conducted to the instrument through a tube made of windproof cloth.

At the close of the first expedition, the writer made many attempts, in addition to his regular duties in the Weather Bureau, to compile the large amount of data that had been obtained, but owing to the immense task involved, it became impossible to make rapid progress. Therefore, only a small portion of the data had been compiled by the time the second expedition left the United States in September 1933. On the return of the second expedition in 1935, G. Grimminger was selected by the Weather Bureau to compile and prepare for publication the complete data of both the expeditions.

In conclusion, the writer wishes to express his thanks and appreciation for the splendid cooperation and assistance given in the meteorological work by Admiral Byrd. The airplane temperature soundings were made possible through the cooperation and assistance of the aviation personnel, particularly Bernt Balchen and Harold I. June, chief pilots of the first and second expeditions, respectively; W. S. McCormick, who made the ascents with the autogyro; W. H. Bowlin, Paul Swan, and Vernon Boyd, for their work in preparing the autogyro and other planes for making temperature soundings. Other members of the expedition who deserve particular mention for the valuable assistance given in the meteorological work are: Victor H. Czgeka, for his skill in repairing instrumental equipment; Frank T. Davies and Arnold Clark, for their generous aid with the kite work; Paul Siple, E. J. Demas, and others for their valuable services.

EXPLANATION OF THE TABLES

By G. Grimminger

LITTLE AMERICA

Latitude 78°34′06″ S.; longitude 163°55′58″ W.
Height of barometer above sea level, 30 feet.

Height of surface above sea level, 46 feet.

BOLLING ADVANCE BASE

Latitude 80°07′30″ S.; longitude 163°55′ W.
Height of Advance Base above sea level, method 1=246 feet.

Height of Advance Base above sea level, method 2=280 feet.

Method 1 is based on the mean pressure at Little America, and Advance Base for the 6-month period for which the latter station was occupied; the mean temperature of the air column was computed by using the mean temperature at Little America for the above period, together with the mean lapse rate of temperature in the lowest layer for September; this latter is probably representative of conditions prevailing during most of the winter months, which is the season during which the Advance Base was occupied. This method of obtaining the mean temperature of the air column is used in order to help eliminate the effect on temperature of the cold surface layer.

The elevation has also been computed by method 2 in order to help eliminate the effect which would be produced by the presence of horizontal pressure gradients. It is assumed that the pressure gradient is smallest on those days on which the surface wind velocity at both stations is small. In using this method I have obtained the mean of the pressures at the two stations for those days on which the mean surface-wind velocity at both places was not more than 6.0 miles per hour; the mean temperature of the air column was computed in a fashion similar to that described above, using the mean temperature at Little America for the days selected.

When the mean surface temperature at Advance Base is used in computing the mean temperature of the air column, it is found that the value of the elevation is reduced by about 10 feet.

Data of the same kind for both expeditions have been grouped together in the same table, and all data at Little America and Bolling Advance Base are based on 180th meridian time.

Tables 1 to 13, inclusive, contain the meteorological observations taken on board ship during the various journeys into Antarctic waters. The observations on board the *City of New York* from December 2 to 31, 1938, and on the *Bear* from January 20 to February 15, 1934, were taken by trained meteorologists; the remaining ship data, however, were taken from the ship logs as recorded by men who were not especially well versed in meteorological observations. These data seem fairly satisfactory, with the exception of the values of air temperature taken on board the *Eleanor Bolling*, which seem to run consistently 4° or 5° too high. The routes of the different ship journeys are shown in figure 6.

The pressure was determined by means of aneroid barometers, and the readings have been adjusted, when possible, where simultaneous readings are available on board ship in the Bay of Whales and at Little America.

The water temperatures given were determined by a thermometer at the intake, which was located some 15 feet below the sea surface. Although extensive water-bucket observations of the sea-surface temperature were made on all cruises of the *Bear*, I have been unable to obtain these observations so as to include them here.

Table 14 contains the meteorological observations taken at Camp David Rockefeller. The altitude of this camp has been computed from the mean temperature and pressure there and at Little America for the period in question.

Tables 15 to 21, inclusive, contain the meteorological observations during journeys away from the base at Little America. The pressure was determined by means of aneroid barometers. The cloud observations are not as complete as could be desired; in some instances the type and not the amount is given and in other cases the amount and not the type. The routes of these trail journeys are shown in figure 7.

I have computed the elevations for the various camps occupied by the trail parties by assuming that the correct sea-level pressure to be used at each station is that observed simultaneously at Little America; the mean temperature of the air column was assumed to be the arithmetic mean of the temperature at Little America and that at the station in question. Where more than one observation was taken at the same station, the elevation given is the mean of the individual determinations.

It is realized that in some cases the elevations computed in this way can be somewhat in error, especially when the camp in question is far removed from Little America and there exists simultaneously a large horizontal pressure gradient; certain errors can also be introduced by the assumption used concerning the mean temperature of the air column. Although several different methods can be used in an effort to help remove any such errors, no attempt has been made to do this here.

Table 22 contains the meteorological observations received by radio from the Ellsworth Expedition from October 22, 1934, to January 11, 1935, while at Deception and Snow Hill Islands.

Tables 23 and 24 contain, respectively, the meteorological observations on board ship in the Bay of Whales and at Little America. The pressures were determined by mercurial barometer and are reduced to 32° F., standard gravity and sea level, the elevation of the barometer at

Little America being about 30 feet above sea level; this figure applies to both expeditions.

The thermometers in the instrument shelter at Little America were about 5 feet above the snow surface; those on board the *City of New York* were about 15 feet above the sea surface.

During the dark period the determination of cloud direction was very difficult and in many cases it has not been possible to give this, although the numerous pilot-balloon ascents were of great help in this connection. In cases where the direction given is uncertain, the direction is followed by a question mark and enclosed in parentheses.

The wind velocities have been corrected according to the table of corrections given below.

The tables for 1929–30 include observations of visibility and snowfall. The visibility is expressed in units from 0 to 9, according to the scale given below. The depth of snowfall for each day from 0h to 24h, obtained either by direct measurement when this was possible or else by "estimation," is given in the last column in the space between consecutive days and refers to the day above. The sum of these figures is given at the end of each month as the total monthly snowfall. The difficulty of "estimating" snowfall is well known, and H. T. Harrison, who made the "estimates," as well as the measurements, is of the opinion that the daily amounts when determined by estimate may in some cases differ from the true fall by as much as 50 percent, but that the relative snowfall by months can be accepted as fairly accurate.

In the "Remarks" column there is frequent mention of "ice crystals falling" and "shower of ice crystals." These crystals are single minute particles of clear ice, usually having an elongated form and often occurring with clear skies; they are sometimes referred to as ice spicules and ice needles. When these particles were falling they could be detected in the beam of a flashlight in the dark season or by looking toward the sun in the light season. When the number of particles in the air is great enough they can cause a noticeable lowering of the visibility.

The intensity of drifting snow at the time of observation is entered in the column headed "Drift," and is given according to the following scale: light, moderate, and heavy. The drift was considered light when it extended from several inches to several feet above the snow surface. Heavy drift, on the other hand, extended upward for perhaps 50 to 100 feet and made it impossible to see objects only a few feet away. Moderate drift occurred between these two extremes. There seems to have been a tendency toward a more conservative estimate of the drift intensity in the 1934–35 observations.

Table 25 contains the meteorological observations taken by Admiral Byrd at Bolling Advance Base, which he occupied alone. The observations have all been reduced to 180th meridian time so as to be comparable with those at Little America. The pressures were determined by means of an aneroid barometer, since the mercurial barometer which was sent along for use at the station was hopelessly broken, although it was extremely well packed for the journey. The barograph record was corrected by means of the readings of the aneroid.

The wind velocities have been corrected according to the table of corrections given below.

Only the cloud amount was observed and not the type. The haziness, as indicated by numerous entries of hazy in the remarks column, is probably in most cases due to falling ice crystals.

Table 26 contains the results of the kite and airplane ascents at Little America and airplane flights from Little America. Nearly all of the soundings in 1929–30 were made with kites, while all of those in 1934–35 were made by airplane. The various ascents and flights have been arranged in chronological order and a number given to each. Since, in many cases, each ascent or flight comprised more than one sounding, another set of numbers is used in the tabulation so that each sounding is designated by a number. These numbers arrange the soundings in order by months regardless of the year in which they were taken.

I have attempted to give the results of the soundings as completely as possible and have included potential temperature, lapse rate, data for standard levels, and, where possible, the relative and specific humidities. These latter have, as a rule, not been given for soundings made during the colder season since there is practically no response of the humidity element at such low temperatures. In general, better humidity records were obtained in the soundings by kite than in those by airplane, and only relatively few of the latter were considered good enough to be used in the tables. The specific humidities and potential temperatures have been taken from the adiabatic chart, and the possible error in these latter may be as much as 0.2° A. The data for the standard levels have also been obtained from the adiabatic chart, and the possible error in these is probably not more than one of the smallest unit used, with the exception of the potential temperature where this may be as much as 0.2° A. The lapse rate between two levels has been entered opposite the upper level, a plus sign being used for decrease of temperature and a minus sign for increase of temperature with height. The surface relative humidities were taken from the readings of the hair hygrograph.

In the tabulation of the results of the soundings with kites, the direction of the wind, as indicated by the azimuth of the kite wire, is given in the column headed "Wind direction." Below the sounding data there is given the result of the pilot-balloon ascent made nearest in time to that of the sounding.

An aerometeorograph record was obtained for nearly all of the various airplane flights from Little America, and the results of these records are also contained in table 26. The data just after the take-off and just before the landing at Little America have been set off from the main body of figures by a space, and these data can be considered as representing a sounding at Little America since the plane was probably not too far removed in the horizontal for this to be the case. There are also several instances where the plane underwent considerable altitude variations at positions fairly far removed from the camp, and the data for such portions of a flight can also be considered as representing a sounding appropriate to the position in question. The average speed of the plane was only 90 to 100 miles per hour and when it was climbing, horizontal distance was covered at a considerably smaller rate. All the flight data which are to be considered as representing a sounding are given with lapse rates and data for standard levels.

On some of the flights attempts were made to get the elevation of the surface at various places by bringing the plane down close to the surface and then by computing these elevations from the record of the aerometeorograph. All such elevations obtained in this way are indicated in the table by having the word "Surface" opposite them.

Since the plane did not actually land in these instances, it is probably necessary to deduct about 30 meters or so from the elevations as given.

The routes of the airplane flights from Little America are shown in figure 7.

Table 27 contains the results of all the pilot-balloon ascents made at Little America. The first column gives the altitude of the balloon above the surface at the end of each minute of ascent; the second column gives the azimuth from which the wind blows, 0° indicating wind from the south, 90° wind from the west, etc.; the third column gives the direction from which the wind blows to the nearest sixteenth division of the compass; the fourth column gives the velocity of the wind in meters per second. All altitudes can be referred to sea level by adding 14 meters. The conversion from azimuth to the nearest sixteenth compass direction was carried out by means of the following table:

Azimuth of wind From—			Direction of wind From—
348¾	to	11¼	=S.
11¼	to	33¾	=SSW.
33¾	to	56¼	=SW.
56¼	to	78¾	=WSW.
78¾	to	101¼	=W.
101¼	to	123¾	=WNW.
123¾	to	146¼	=NW.
146¼	to	168¾	=NNW.
168¾	to	191¼	=N.
191¼	to	213¾	=NNE.
213¾	to	236¼	=NE.
236¼	to	258¾	=ENE.
258¾	to	281¼	=E.
281¼	to	303¾	=ESE.
303¾	to	326¼	=SE.
326¼	to	348¾	=SSE.
348¾	to	11¼	=S.

The balloons used were of the same size and manufacture as those in use by the United States Weather Bureau, the rate of ascent being 180 meters per minute. Frosting of the theodolite lenses was prevented by the use of a heating device which is described briefly in the Introduction and also in the Monthly Weather Review for July 1936. The supply of hydrogen was contained in metal cylinders ordinarily used for the purpose. In 1934–35 the supply was quite adequate and ascents were made several times daily when practicable. During the dark season a small paper lantern containing a candle was suspended from the balloon.

The visibility is given in accordance with the scale given below.

Tables 28 and 29 contain the hourly values of pressure at Little America and Bolling Advance Base, respectively, as given by the barograph records after proper corrections have been applied. Table 28 includes the values on board ship in the Bay of Whales during January and part of February 1929. The values for Little America are reduced to sea level; those for the Advance Base are not. The daily mean pressure was obtained by dividing the sum of the hourly values by 24; the hourly mean for the month, by dividing the hourly sum by the number of days in the month. The mean pressure for the month is the sum of all the hourly values divided by the number of hours. Mean values for the other elements have been obtained in exactly the same fashion.

Tables 30, 31, and 32 contain, respectively, the hourly values of temperature on board the *City of New York* in the Bay of Whales, at Little America, and at Bolling Advance Base. These values have been taken from the thermograph records after they were properly corrected by use of the dry and minimum thermometer readings, and also the maximum thermometer readings, when available.

Owing to possible influences resulting from close proximity to open water, it was considered advisable to give the values recorded on board ship in the Bay of Whales in a separate table, although the ship was only several miles from Little America.

Tables 33 and 34 contain the average velocity and prevailing wind direction for each hour at Little America and Bolling Advance Base, respectively. Table 33 includes the values on board ship in the Bay of Whales during January and part of February 1929. The prevailing hourly directions for 1929–30 were determined from numerous eye observations of a visual indicator located in the building, while those for 1934–35 were determined from wind-register records.

The prevailing direction for the hour is defined as that direction from which the wind blows for the longest time in each hour interval. The prevailing direction for the day is taken as the direction which occurs most frequently in the hourly values; the prevailing direction for the month is got by finding, from all the hourly values for the month, the direction of most frequent occurrence. The prevailing hourly direction given at the bottom of the tabulation for each month is the direction occurring most frequently in the column for the hour of the day. In cases where the maximum frequency is attained by more than one direction, all such directions are given.

All the wind velocities were recorded on wind registers by means of cup anemometers and the values in the table have been taken from these records and corrected according to the table of corrections given below, a 4-cup anemometer having been used on the first expedition and a 3-cup on the second. The maximum velocity for the day was obtained from the wind-register record by finding the velocity corresponding to the mile of wind recorded in the shortest time. The anemometers both at Little America and Bolling Advance Base were about 15 feet above the snow surface.

Tables 35 to 36 contain the hourly values of relative humidity. It was thought best to keep separate the values recorded on board ship in the Bay of Whales, and these are given in table 35. The values recorded at Little America are given in table 36. The relative humidity was recorded by means of the hair hygrograph, which was adjusted when necessary when it was occasionally brought indoors and compared with the results of a wet- and dry-bulb hygrometer. No hygrograph was used at Bolling Advance Base.

Table 37 contains the hourly values of cloudiness at Little America on the scale 0–10, where the units denote the number of tenths of sky covered. The tabulations for 1934–35 do not, as a rule, contain values throughout the 24-hour period, since it was difficult to get any one to make these observations during the night. When the hourly cloud amount was greater than 0, but less than 1, this has been indicated in the table by an "F," meaning few. The means have been carried out to the nearest 0.1. An "F" has been used for the daily mean when only "F" occurred in the hourly amounts and also when the daily mean was less than 0.1, but greater than 0.

Tables 38 and 39 contain the meteorological notes kept by H. T. Harrison on board ship in the Bay of Whales

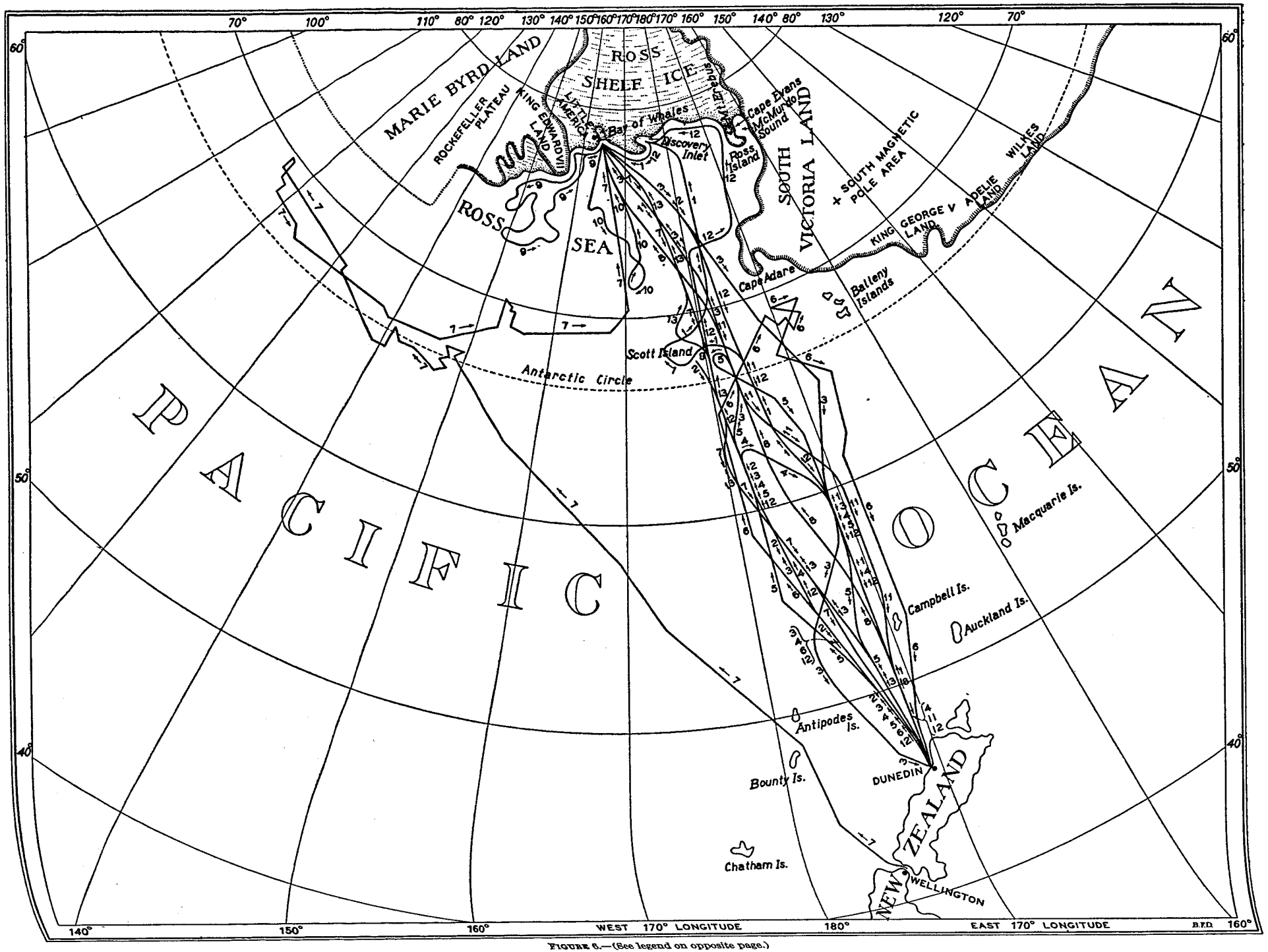

FIGURE 6.—(See legend on opposite page.)

FIGURE 6

Journeys of ships of the Byrd Antarctic Expeditions in Antarctic waters for which meteorological observations are available. The courses are indicated by the full lines and are numbered as follows:

1. Journey of the *City of New York* from Dunedin, New Zealand, to the Bay of Whales, December 2, 1928, to December 31, 1928. Table 1.
2. Journey of the *Eleanor Bolling* from lat. 68°00′ S., long. 179°00′ W., to Dunedin, New Zealand, December 12, 1928, to December 20, 1928. Table 2.
3. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to the Bay of Whales and return, January 14, 1929, to February 16, 1929. Table 3.
4. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to lat. 62°54′ S., long. 178°30′ E., and return, February 19, 1929, to March 6, 1929. Table 4.
5. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to lat. 67°09′ S., long. 179°08′ E., and return, January 20, 1930, to February 9, 1930. Table 5.
6. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to lat. 68°40′ S., long. 170°25′ E., and return, February 11, 1930, to March 10, 1930. Table 6.
7. Journey of the *Jacob Ruppe·t* from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, December 12, 1933, to February 18, 1934. Table 7.
8. Journey of the *Bear* from Dunedin, New Zealand, to the Bay of Whales, January 20, 1934, to January 31, 1934. Table 8.
9. Journey of the *Bear* from the Bay of Whales to the eastward and return, February 6, 1934, to February 15, 1934. Table 9.
10. Journey of the *Bear* from the Bay of Whales into the Ross Sea and return, February 19, 1934, to February 25, 1934. Table 10.
11. Journey of the *Bear* from the Bay of Whales to Dunedin, New Zealand, February 26, 1934, to March 12, 1934. Table 11.
12. Journey of the *Bear* from Dunedin, New Zealand, to the Bay of Whales and return, January 2, 1935, to February 20, 1935. Table 12.
13. Journey of the *Jacob Ruppert* from Dunedin, New Zealand, to the Bay of Whales, January 16, 1935, to January 28, 1935. Table 13.

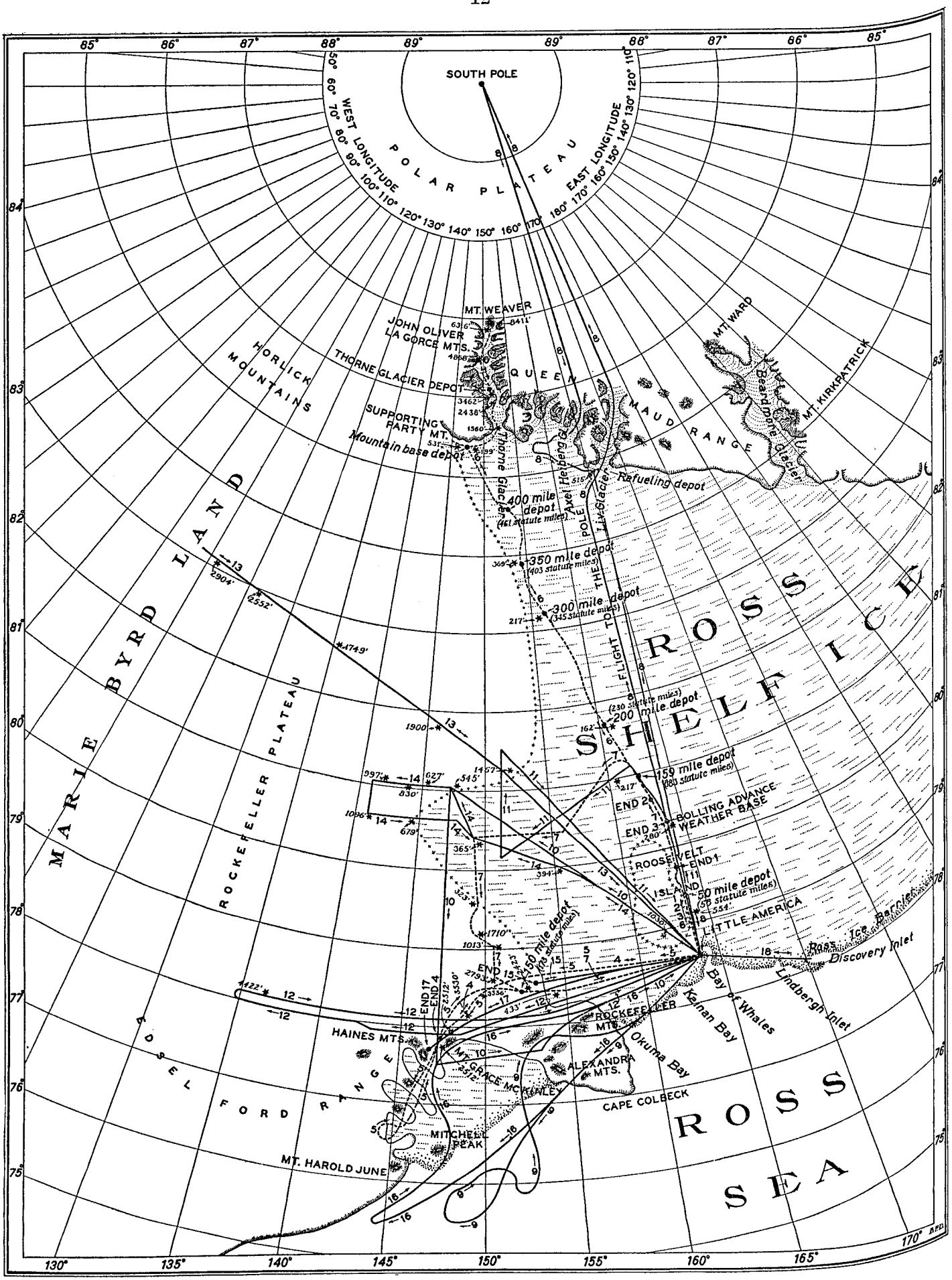

FIGURE 7.—(See legend on opposite page.)

FIGURE 7

Routes of airplane flights from Little America on which aerometeorograph records were made and of trail parties which made meteorological observations. The airplane routes are given by the full lines and trail routes by the broken lines. The figures opposite the asterisks give the elevation of the surface above sea level in feet.

1. Spring southern journey to 100-Mile Depot, October 20, 1929, to October 28, 1929. Table 15.
2. Fall sledging journey to 155-Mile Depot, March 1, 1934, to March 31, 1934. Table 16.
3. Fall tractor journey to Bolling Advance Base, March 16, 1934, to March 29, 1934. Table 17.
4. The eastern tractor journey, September 27, 1934, to October 12, 1934. Table 18.
5. The journey to Marie Byrd Land, October 14, 1934, to December 25, 1934. Table 19.
6. The journey of the Queen Maud Geological Party, October 16, 1934, to January 11, 1935. Table 20.
7. The journey of the Rockefeller Plateau Party, October 16, 1934, to January 2, 1935. Table 21.
8. The flight to the South Pole, November 28–29, 1929. 17, table 26.
9. The eastern flight, December 5, 1929. 19, table 26.
10. The flight to the east and southeast, November 15, 1934. 38, table 26.
11. The flight southeastward to the tractors, November 16–17, 1934. 39, table 26.
12. The eastern mapping flight to the Rockefellers and Mount Grace McKinley, November 18, 1934. 40, table 26.
13. The southeastern flight, November 22, 1934. 41, table 26.
14. The flight southeastward to the tractors, November 23–24, 1934. 42, table 26.
15. The flight to the Rockefeller Mountains and 120-Mile Depot, December 8, 1934. 44, table 26.
16. The northeastern flight, December 15–16, 1934. 46, table 26.
17. The flight to the Rockefeller and Edsel Ford Mountains, December 31, 1934. 50, table 26.
18. Seismic sounding flight to Discovery Inlet and vicinity, January 6, 1935. 53, table 26.

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and at Little America in 1929–30 and amplify to some extent the notes contained in the "Remarks" column of table 18.

ABBREVIATIONS

The following abbreviations have been used:

clear =clr.
partly cloudy =pt. cldy.
cloudy =cldy.
light =lt.
moderate =mod.
heavy =hvy.
dense =dn.
very =vy.
began =B.
ended =E.
Trace =T.
during the a. m. = D. A., meaning between 0 and 8h, 180th meridian time.
during the p. m. = D. P., meaning between 20 and 24h, 180th meridian time.

VISIBILITY SCALE

Scale	*Descriptive term*	*Limiting distances (meters)*
0	Dense fog—prominent objects not visible at	50
1	Very bad—prominent objects not visible at	200
2	Bad—prominent objects not visible at	500
3	Very poor—prominent objects not visible at	1, 000
4	Poor—prominent objects not visible at	2, 000
5	Indifferent—prominent objects not visible at	4, 000
6	Fair—prominent objects not visible at	10, 000
7	Good—prominent objects not visible at	20, 000
8	Very good—prominent objects not visible at	50, 000
9	Excellent—prominent objects visible beyond	50, 000

CORRECTIONS FOR INDICATED VELOCITIES

Corrections to be applied to wind velocities determined by anemometers. Correction to be added when the sign is plus and subtracted when the sign is minus.

Velocities indicated.

By 3-cup anemometer m. p. h.	*By 4-cup anemometer m. p. h.*	*Correction in whole m. p. h.*
1 to 16 [1]	1 to 8	+1
17 to 26	9 to 12	0
27 to 35	13 to 16	−1
36 to 44	17 to 20	−2
45 to 52	21 to 24	−3
53 to 61	25 to 28	−4
62 to 70	29 to 32	−5
71 to 79	33 to 36	−6
80 to 87	37 to 39	−7
88 to 96	40 to 43	−8
97 to 105	44 to 47	−9
106 to 114	48 to 51	−10
115 to 122	52 to 54	−11
123 to 132	55 to 58	−12
133 to 139	59 to 62	−13
140 to 149	63 to 65	−14
150 to 157	66 to 69	−15
158 to 166	70 to 73	−16
167 to 174	74 to 77	−17
175 to 184	78 to 80	−18
185 to 192	81 to 84	−19
193 to 200	85 to 88	−20
	89 to 91	−21
	92 to 95	−22
	96 to 99	−23
	100 to 103	−24
	104 to 106	−25
	107 to 110	−26
	111 to 114	−27
	115 to 117	−28
	118 to 121	−29
	122 to 125	−30
	126 to 128	−31
	129 to 132	−32
	133 to 136	−33
	137 to 140	−34
	141 to 143	−35

[1] Inconsequential variation from the rule for disposal of decimals disregarded at 3 and 4 miles per hour.

TABLE 1.—*Meteorological observations on board the "City of New York" from Dunedin, New Zealand, to the Bay of Whales, Dec. 2–31, 1928*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Clouds	Remarks
1928	L. M. T.	° ′	° ′	Inches	°F.	From 0–12	0–10	From	
Dec. 2	6				55				Cleared the port of Dunedin, New Zealand.
2	13			30.03					
2	16			29.99					
2	20			29.98					
3	7			29.98					
3	10			29.93					
3	12	48 38	170 55 E						
3	14			29.83					
3	16			29.79					Steady lt. rain B. 17h and continued throughout evening.
3	20			29.72					
3	24			29.61					The mod. WSW wind during day changed to WNW in the evening and freshened.
4	4			29.56					Lt. rain falling. Sky overcast.
4	8			29.61					
4	12	51 18	171 18 E						Rain squall from 12:30h to 13h followed by steady clearing.
4	24			29.81	46.0	SSW 4	8	StCu SW	
5	4			29.83	45.0	SSW 4	7	StCu SW	Lt. rain.
5	8			29.89	46.0	SSW 3	7	StCu SW	
5	12	54 16	170 47 E	29.95	48.2	SW 3	8	StCu SW	
5	16			29.91	47.0	NW 3	9	8 CiSt (N?), 1 Cu NW	
5	20			29.93	43.5	NW 3	8	ASt	
6	24			30.01	42.8	N 3	2	StCu	A dim twilight at 24h.
6	4			29.94	44.0	NNE 4	9	1 CiSt, 8 ACu SW	
6	8			29.93	43.2	N 3	9	5 ASt, 4 ACu	
6	12	57 07	172 35 E	29.96	46.0	NNE 4	10	8 CiSt, 2 ASt	22° solar halo.
6	16			29.87	44.8	NW 5	4	CiSt	
6	20			29.96	42.0	NW 4	7	CiSt	
7	24			29.86	42.8	N 6	10	St N	
7	4			29.76	43.0	N 6	9	5 CiSt, 3 ASt (WSW?), 1 St N.	
7	8			29.73	43.0	NNW 7	10	2ASt, 8 St NNW	
7	12	59 53	174 17 E	29.71	43.0	NNW 7	10	St NNW	
7	16			29.69	42.0	NW 7	10	St NW	Lt. fog. Mist B. 15h and continued throughout most of evening.
7	20			29.75	39.0	NW 3	10	St NW	Lt. fog.
8	24			29.73	39.0	WNW 3	10	St NW	Lt. fog. Occasional lt. mist.
8	4			29.65	39.0	WNW 3	10	9 ASt, 1 St NW	
8	8			29.68	37.0	WNW 2	9	ASt	Lt. fog.
8	12	62 10	174 27 E	29.69	37.0	SW 3	9	9 StCu W, Few St WSW	Misting.
8	16			29.71	40.7	SW 2	6	StCu W	
8	20			29.65	35.5	W 3	10	St WSW	Lt. fog.
9	24			29.60	33.0	NW 3	10	Dn. fog	Misting.
9	4			29.48	33.8	WNW 4	10	Dn. fog	Lt. rain.
9	8			29.45	31.0	SW 5	10	St SW	Misting. Lt. fog.
9	12	64 43	175 00 E	29.46	30.0	NW 4	10	9 ASt, 1 St NE	Misting.
9	16			29.45	31.4	NW 3	9	StCu NW	Lt. snow.
9	20			29.39	32.0	NW 5	9	StCu NW	
10	24			29.39	30.8	NW 4	9	7 StCu, 2 St NW	First icebergs sighted today.
10	4			29.37	30.2	NW 6	9	8 StCu, 1 St NW	
10	8			29.41	30.0	WNW 7	9	StCu (WNW?)	
10	12	66 39	179 20 E	29.40	31.8	NW 6	6	StCu WNW	
10	16			29.41	31.4	NW 5	3	1 Ci NW, 2 StCu NW	Faint 22° solar halo at 17h. Numerous icebergs.
10	20			29.38	31.0	NW 2	9	ASt	Threatening. Lt. snow B. 20:30h.
10	24			29.23	29.8	NW 4	10	Nb NW	Lt. snow. Numerous icebergs. Crossed 180th mer. from E to W longitude, hence second day dated Dec. 10.
10	4			29.12	30.3	NW 3	10	Nb NW	Lt. snow.
10	8			28.97	28.5	NNW 4	10	StCu	Do.
10	12	68 11	179 00 W	28.91	31.3	SSW 3	9	StCu	Do.
10	16			29.12	27.8	SSW 6	10	StCu	Lt. snow; snowfall estimated at 3 inches. After sharp fall, barometer began rapid rise attended by wind shift to SSW.
10	20			29.32	25.0	SW 5	10	StCu SW	Clearing in evening.
11	24			29.46	24.5	SSW 3	1	StCu	
11	4			29.50	25.0	W 2	3	Cu WSW	
	8			29.56	26.6	NW 3	9	StCu NW	

TABLE 1.—*Meteorological observations on board the "City of New York" from Dunedin, New Zealand, to the Bay of Whales, Dec. 2–31, 1928*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Clouds	Remarks
1928	*L. M. T.*	° ′	° ′	*Inches*	*°F.*	*From 0–12*	*0–10*	*From*	
Dec. 11	12	68 00	179 00 W	29.57	29.2	NNW 3	10	StCu NW	Lt. snow.
11	16			29.60	29.0	ENE 3	10	StCu (NW?)	
11	20			29.66	28.0	ENE 3	10	StCu	
11	24			29.64	27.8	WNW 1	10	StCu NW	Lt. snow from 22h to 24h; fall estimated at ½ inch. Sun now continually above horizon.
12	4			29.63	27.8	NW 2	10	StCu NW	Lt. snow.
12	8			29.53	28.0	ENE 3	10	StCu	
12	12	68 00	179 00 W	29.45	30.0	W 3	10	Nb W	Do.
12	16			29.37	28.3	S 3	9	Few CiSt, 9 StCu SSW	
12	20			29.35	28.5	NE 3	10	St NE	Do.
12	24			29.20	24.5	WSW 3	10	StCu WSW	Do.
13	4			29.07	28.5	W 3	7	StCu W	
13	8			29.06	27.0	NW 2	9	StCu NW	
13	12	68 00	178 30 W	29.09	28.0	SW 4	8	St SW	
13	16			29.13	28.4	SW 6	9	StCu SW	Sleeting from 14:30h to 14:50h.
13	20			29.25	28.0	SW 4	10	StCu SW	
13	24			29.31	27.5	SSW 3	10	StCu SW	Occasional snow during day.
14	4			29.30	26.0	SW 3	9	StCu SW	
14	8			29.29	28.5	SW 3	7	StCu SW	
14	12	67 48	177 59 W	29.33	25.0	WSW 2	3	1 CiSt, 2 StCu NW	
14	16			29.27	28.4	WSW 2	9	5 CiSt (NW?), 3 ACu (NW?), 1 StCu SW	
14	20			29.25	28.0	ENE 2	10	8 CiSt, 2 Cu ENE	
14	24			29.13	25.4	NNE 3	10	3 CiSt, 6 ASt, 1 StCu ENE.	
15	4			29.00	25.5	S 4	10	8 ASt, 2 StCu SSE	Started through ice pack at 2h, heading SW. Snow flurry at 3h.
15	8			28.91	24.5	SE 4	9	3 CiSt, 6 StCu SE	
15	12	68 19	179 50 W	29.05	25.4	S 3	10	7 CiSt, 3 StCu S	
15	16			29.13	27.2	SW 3	9	7 CiSt, 2 St Cu SSW	
15	20			29.10	28.0	SW 2	3	1 ASt, 2 StCu SW	
15	24			29.10	25.0	SW 2	5	3 Ci, 2 ACu	
17	4			29.05	25.9	0	1	Few Ci, 1 ACu, Few Cu	
17	8			28.97	30.0	SW 4	Few	Few CiSt, Few Cu SW	Crossed 180th mer. from W to E longitude; thus lose Dec. 16.
17	12	69 07	179 55 E	28.93	36.0	SSW 3	1	Cu SSW	
17	16			28.89	30.0	SSW 3	6	2 Ci, 2 ACu, 2 Cu SSW	
17	20			28.83	26.0	SW 3	3	ACu SW	
17	24			28.78	25.6	SW 3	10	ASt	Lt. snow.
18	4			28.74	24.4	SW 4	10	9 ACu (SW?), 1 StCu SW	
18	8			28.76	27.5	SW 4	10	St SW	Do.
18	12	69 50	179 46 E	28.79	31.5	SSW 4	10	7 ACu (?), 3 StCu SW	
18	16			28.76	30.8	SW 5	5	2 ACu (?), 3 Cu SW	
18	20			28.76	25.5	S 6	10	St S	Do.
18	24			28.79	24.8	SSW 3	6	6 Ci W (?), Few StCu SSW.	Occasional hvy. snow; fall estimated at ½ inch.
19	4			28.79	25.7	SSW 3	7	6Ci (WSW?), 1 ACu (?), Few StCu SSW.	Lt. snow since 2h.
19	8			28.71	28.0	S 4	9	St S	Lt. snow.
19	12	70 25	180 00	28.59	29.8	SSW 3	10	Nb SSW	Hvy. snow.
19	16			28.54	25.7	SSW 5	10	6 ASt, 4 St SSW	Lt. snow.
19	20			28.56	24.5	S 3	2	1 ASt (?), 1 Cu S	
19	24			28.59	19.7	SSW 2	1	Few Ci, 1 St Cu SSW	
20	4			28.58	19.7	SW 1	10	9 CiSt, 1 ASt	22° solar halo since 3:50h.
20	8			28.58	28.0	SW 3	10	St SW	Lt. snow.
20	12	70 22	179 54 E	28.62	32.3	WSW 6	10	Nb WSW	Do.
20	16			28.63	31.6	WSW 4	10	St. WSW	Do.
20	20			28.61	29.0	SW 5	10	Nb SW	Snowing.
20	24			28.60	26.2	WSW 7	10	Nb WSW	Snowing; fall estimated at 1 inch.
21	4			28.58	28.6	WSW 3	10	Nb WSW	Lt. snow.
21	8			28.75	29.5	SSW 4	10	St SSW	Do.
21	12	70 25	179 38 E	28.89	29.3	SSE 3	10	StCu SSE	
21	16			29.06	30.0	SSE 3	10	StCu SSE	Threatening.
21	20			29.21	28.0	SSE 6	10	St SSE	Lt. snow.
21	24			29.41	28.2	SSE 4	10	StCu (SSE?)	Snowfall estimated at 3 inches.
22	4			29.53	27.6	SSE 4	10	StCu SSE	
22	8			29.58	30.0	SSW 3	10	ASt	
22	12	71 15	178 00 E	29.43	35.0	SW 3	9	StCu SW	
22	16			29.43	32.5	SW 4	5	StCu SW	
22	20			29.37	30.0	SW 2	9	StCu WSW	
22	24			29.38	28.0	NNE 2	10	StCu (0?)	

TABLE 1.—*Meteorological observations on board the "City of New York" from Dunedin, New Zealand, to the Bay of Whales, Dec. 2–31, 1928*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Clouds	Remarks
1928	L. M. T.	° ′	° ′	Inches	°F.	From 0–12		0–10	From	
Dec. 23	4			29.35	28.2	WSW	1	10	StCu (0?)	
23	8			29.39	32.0	SW	2	10	StCu S	
23	12	72 10	177 36 E	29.43	29.2		0	Few	StCu (?)	Passed out of ice pack into open Ross Sea at 11h.
23	16			29.43	29.3	SE	1	Few	StCu (?)	
23	24			29.57	28.7	ESE	4	3	3 Ci W, Few StCu (?)	
24	4			29.55	29.3	ESE	4	6	6 Ci W, Few StCu (?)	
24	8			29.51	30.0	SE	2	7	7 Ci NNW, Few Cu SE	
24	12	73 57	178 27 E	29.51	29.3	SE	3	3	1 Ci W, 2 ACu W, Few Cu SE.	Tabular iceberg sighted at 14h.
24	16			29.55	30.0	SE	3	5	3 Ci W, 1 CiCu W, 1 Cu SE.	
24	20			29.63	35.0	SSE	1	7	Few Ci (?), 7 Cu S	
25	24			29.55	31.3	SSW	1	Few	StCu SSW	
25	4			29.52	32.2	W	1	9	StCu WSW	
25	8			29.51	36.0	SSW	1	9	9 ACu SSW, Few Cu	
25	12	75 35	178 21 E	29.48	37.0	WSW	1	5	4 ACu, 1 StCu	
25	16			29.45	32.8		0	9	7 ACu, 2 StCu	
25	20			29.43	33.0		0	8	8 StCu SSE, Few St SSE.	
25	24			29.39	29.2	SSE	1	8	6 ACu (0?), 2 StCu (0?)	
25	4			29.36	31.3		0	9	St (0?)	Crossed 180th mer. from E to W longitude; thus second day dated Dec. 25.
25	12	77 30	178 20 W	29.41	32.8		0	4	3 ACu (0?), 1 Cu (0?)	
25	16			29.40			0	9	StCu 0	
25	20				33.0	ESE	2	8	StCu ESE	
25	24			29.38	29.8		0	10	StCu (0?)	Sighted ice barrier and sailed by it to the eastward in the evening.
26	4			29.37	28.8	SSW	3	10	StCu	
26	8			29.46	28.5	SSW	3	9	StCu SSW	
26	12	At Discovery Inlet		29.41	24.8	SSW	4	10	StCu (SSW?)	
26	16			29.37	29.0	WSW	2	1	Cu W	
26	20			29.37	26.0	SW	2	10	St SW	
27	24			29.39	20.9	WSW	4	Few	StCu	
27	4			29.29	21.6	SW	4	Few	StCu SW	A fine morning with bright sunlight.
27	12	78 22	168 40 W	29.37	24.5	S	5	10	StCu SSW	Lt. snow from 12:10h to 12:30h.
27	16			29.38	22.9	SSE	3	10	StCu S	
27	20			29.43	23.0	WSW	3	10	StCu WSW	
28	24			29.31	22.8	S	1	10	6 StCu, 4 St SW	Lt. snow.
28	4			29.29	24.4	S	2	10	StCu	Hvy. local snows prevailed to the W, N, and E from 0h to 3h.
28	8			29.37	27.5	SW	2	10	StCu S	
28	12	At Bay of Whales		29.49	31.9	S	1	10	StCu	Lt. snow.
28	16				24.4	S	1	10	ASt	
28	20				23.0	SSW	2	9	StCu	
29	24				20.4	S	2	10	StCu	
29	4							9	StCu	
29	8				20.0	S	2	9	StCu	
29	12	At Bay of Whales			21.7	SSW	1	9	7 StCu SSW, 2 St SSW	
29	16				21.8	WSW	2	9	StCu WSW	
29	20				22.0	SSW	1	8	StCu 0	
30	24				26.3		0	10	StCu (0?)	
30	4				25.6	NNW	2	10	StCu NNW	Do.
30	8				26.0	ESE	1	10	StCu ESE	Do.
30	12	At Bay of Whales			27.0	E	2	10	StCu	Do.
30	16				27.6	E	2	10	StCu ENE	Do.
31	24				25.7	SE	2	8	StCu NNE	
31	4				27.6	ESE	3	9	8 ACu SSW, 1 StCu	
31	12	At Bay of Whales			25.0	S	3	1	StCu	
31	16				22.8	SSW	3	1	Few Ci WSW, 1 StCu	
31	20				22.6	SSW	2	7	StCu SSW	

TABLE 2.—*Meteorological observations on board the "Eleanor Bolling" from latitude 68°00′ S., longitude 179° 00′ W., to Dunedin, New Zealand, Dec. 12–20, 1928*

Date	Hour	Latitude S.	Longitude	Pressure, sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1928	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	°*F.*	*From 0–12*		
Dec. 11	4	68 00	179 00 W	29.63	29	30	SW 2	Cldy	Alongside the *City of New York.*
11	12	68 07	179 02 W	29.61	36	------	W 3	do	Cast off from the *City of New York* at 11:30h.
11	16	------	------	29.69	32	30	NNW 2	------	
11	20	------	------	29.65	32	30	NW 4	Pt. Cldy	Mod. sea.
11	24	------	------	29.67	32	30	W 4	do	
13	4	------	------	29.61	33	30	NW 2	Cldy	Crossed 180th mer. from W to E longitude; hence lose Dec. 12.
13	8	------	------	29.60	37	30	N 2	do	
13	12	64 54	179 46 E	29.55	34	30	N 2	Pt. Cldy	Occasional lt. snow squalls. A few bergs in sight.
13	16	------	------	29.39	34	30	WNW 4	Cldy	
13	20	------	------	29.49	36	34	WNW 5–6	do	Sea rough.
13	24	------	------	29.45	36	34	WNW 7	do	Hvy. rain squalls. Sea high.
14	4	------	------	29.49	33	32	WNW 7	do	Hvy. sea.
14	8	------	------	29.55	37	34	WNW 7	do	
14	12	61 57	178 19 E	29.60	39	35	WNW	do	Hvy. rain squalls; high sea.
14	16	------	------	29.63	39	32	WNW 4	do	Continued rain squalls and high sea.
14	20	------	------	29.53	39	37	NW 5	do	Raining; rough sea.
14	24	------	------	29.57	39	37	NW 4	do	Occasional rain. Sea moderating.
15	4	------	------	29.59	40	38	W 5	do	Intermittent rain squalls.
15	8	------	------	29.59	43	41	WNW 5	do	Rain squalls.
15	12	58 50	176 42 E	29.57	44	45	NW 5	do	Heavy sea.
15	16	------	------	29.53	44	41	W 6	do	Occasional rain.
15	20	------	------	29.47	44	42	WNW 6	do	Do.
15	24	------	------	29.55	46	44	WNW 7–8	do	Vy. high sea.
16	4	------	------	29.54	46	43	WNW 7	do	High sea.
16	8	------	------	29.59	46	43	WNW 7	do	
16	12	56 28	175 46 E	29.63	44	43	WNW 7	do	Occasional hvy. rain. High sea.
16	16	------	------	29.69	44	43	WNW 5	do	
16	20	------	------	29.73	44	43	W 6	do	Hvy. sea.
16	24	------	------	------	44	44	W 6	do	Sea moderating.
17	4	------	------	29.90	44	44	W 5	do	
17	8	------	------	29.91	45	44	W 5	do	Sea rough.
17	12	53 25	175 00 E	29.81	45	44	W 5	Pt. Cldy	
17	16	------	------	29.81	48	44	W 5	do	
17	20	------	------	29.79	48	45	WNW 5	Cldy	Hvy. sea.
17	24	------	------	29.78	48	48	WNW 4	do	
18	4	------	------	29.88	48	48	W 5	do	
18	8	------	------	29.79	48	48	WNW 5	do	Do.
18	12	50 15	174 02 E	29.73	52	49	W 5	do	
18	16	------	------	29.63	56	49	NW 6	do	
18	20	------	------	29.59	55	49	NW 5	Pt. Cldy	Rough sea.
18	24	------	------	29.53	53	50	NW 5	Cldy	Occasional rain.
19	4	------	------	29.53	52	54	NW 3	do	Do.
19	8	------	------	29.41	56	54	NW 3	Pt. Cldy	
19	12	47 21	172 02 E	29.41	59	59	NW 3	Clr	
19	16	------	------	29.41	58	59	NW 2–1	Pt. Cldy	
19	20	------	------	29.47	58	59	WSW 2	Cldy	Lt. rain.
19	24	------	------	29.47	59	59	SW 3	do	Smooth sea.
20	4	------	------	29.55	54	54	S 2	do	
20	7:45	------	------	------	------	------	------	------	Docked at Dunedin.

TABLE 3.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand to the Bay of Whales and return, Jan. 14 to Feb. 16, 1929*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1929	L. M. T.	° ′	° ′	Inches	°F.	°F.	From 0-12			
Jan. 14	20	--------	----------	29. 51	62	------	NE	3	Cldy--------	Left Dunedin at 15:50h.
14	24	--------	----------	29. 57	61	------	S	4	-----do-------	Occasional rain. Hvy. sea.
15	4	--------	----------	29. 67	61	55	SW	3	-----do-------	Sea mod.
15	8	--------	----------	29. 77	64	55	SW	2	Clr----------	
15	12	47 52	172 12 E	29. 80	64	55	SW	2	-----do-------	
15	16	--------	----------	29. 85	60	54	NW	2	-----do-------	
15	20	--------	----------	29. 89	56	54	NW	3	-----do-------	
15	24	--------	----------	29. 91	56	54	NW	2	-----do-------	
16	4	--------	----------	29. 93	56	52	NW	3	Pt. Cldy-----	
16	8	--------	----------	30. 01	60	52	NNW	3	-----do-------	
16	12	51 10	174 12 E	30. 03	60	52	N	3	-----do-------	Hvy. sea.
16	16	--------	----------	30. 01	58	49	NW	3	-----do-------	
16	20	--------	----------	30. 01	55	48	NNW	4	-----do-------	
16	24	--------	----------	29. 99	54	48	NNW	4	-----do-------	Do.
17	4	--------	----------	29. 99	52	47	NNW	4	-----do-------	
17	8	--------	----------	29. 89	56	48	N	5	Clr----------	
17	12	54 22	176 04 E	29. 84	55	47	N	5–6	Pt. Cldy-----	Sea high and rough.
17	16	--------	----------	29. 79	58	47	NW	5	Cldy--------	Raining.
17	20	--------	----------	29. 73	52	47	NNW	5	-----do-------	Raining; sea high.
17	24	--------	----------	29. 69	52	47	NNW	5	-----do-------	Raining.
18	4	--------	----------	29. 61	50	46	NW	3	-----do-------	Raining; sea high.
18	8	--------	----------	29. 55	50	45	NW	3	Dn. Fog-----	
18	12	57 34	177 29 E	29. 39	49	45	NW	3	-----do-------	Sea moderating.
18	16	--------	----------	29. 03	49	46	N	5	Cldy--------	Raining; lt. fog.
18	20	--------	----------	28. 75	48	44	NNW	5–6	-----do-------	
18	24	--------	----------	28. 41	47	42	NNW	7–8	-----do-------	Sea high.
19	4	--------	----------	28. 35	45	42	W	5	-----do-------	
19	8	--------	----------	--------	------	------	SW	8	----------	
19	12	60 05	178 48 E	28. 85	42	40	SW	8	-----do-------	Sea high.
19	16	--------	----------	29. 09	41	41	S	8	-----do-------	
19	20	--------	----------	29. 19	40	40	S	6	-----do-------	Sea continues high. Several large bergs sighted at approx. position 60°43′ S; 178° 53′ W.
20	24	--------	----------	29. 29	40	38	S	6	-----do-------	Occasional lt. snow squalls.
20	4	--------	----------	29. 39	38	38	SSE	2	-----do-------	Sea high.
20	8	--------	----------	29. 39	40	38	SE	2	-----do-------	
20	12	62 25	178 53 E	29. 45	42	37	SSE	2	-----do-------	Sighted two icebergs.
20	16	--------	----------	29. 53	42	33	SSE	1	-----do-------	
20	20	--------	----------	29. 55	39	32	SSE	1	-----do-------	
21	24	--------	----------	29. 53	38	32	W	1	-----do-------	Several bergs sighted.
21	4	--------	----------	29. 55	38	32	W	2	-----do-------	
21	8	--------	----------	29. 50	38	33	W	2	-----do-------	
21	12	65 27	178 43 E	29. 43	38	33	W	2	-----do-------	
21	16	--------	----------	29. 51	41	32	SW	2	-----do-------	Many bergs in sight all day.
21	20	--------	----------	29. 53	40	32	SW	2	-----do-------	
22	24	--------	----------	29. 51	36	31	SW	2	-----do-------	Numerous bergs in sight.
22	4	--------	----------	29. 57	40	30	SSE	1	Pt. Cldy-----	
22	8	--------	----------	29. 57	38	30	SSW	1	-----do-------	Sighted ice pack at 6:30h. Approx. position 67°50′ S; 176°04′ E.
22	12	68 38	177 50 E	29. 51	36	28	SW	1	-----do-------	Entered pack at 7h. Sea calm. Many icebergs in sight.
22	16	--------	----------	29. 59	40	28	SE	1	-----do-------	Reentered pack ice, position 69°19′ S; 177°12′ E.
22	20	--------	----------	29. 57	36	28	SSW	2	Cldy--------	In pack ice; sea calm.
23	24	--------	----------	29. 63	34	28	SSE	2	Clr----------	Working through pack ice.
23	4	--------	----------	29. 65	34	28	SE	2	-----do-------	
23	8	--------	----------	29. 61	36	28	S	4	-----do-------	
23	12	70 27	179 49 E	29. 63	36	28	S	2	Pt. Cldy-----	Maneuvering in pack ice since 0h.
23	16	--------	----------	29. 61	38	28	S	2	-----do-------	
23	20	--------	----------	29. 59	34	24	S	2	Cldy--------	
23	24	--------	----------	29. 61	33	28	S	2	-----do-------	Continuing to force passage through solid pack ice.
23	4	--------	----------	29. 59	36	28	S	1	Pt. Cldy-----	Crossing 180th mer. from E to W longitude, hence second day dated Jan. 23.
23	8	--------	----------	29. 60	36	28	S	2	-----do-------	
23	12	72 39	179 49 W	29. 61	43	28	S	1	Clr----------	Continued maneuvering in pack ice.
23	16	--------	----------	29. 61	36	28	S	1	-----do-------	
23	20	--------	----------	29. 59	34	28	S	1	Pt. Cldy-----	
24	24	--------	----------	29. 51	33	28	S	2	-----do-------	On various courses through pack ice.
24	4	--------	----------	29. 47	32	28	S	3	-----do-------	Clear of pack ice.
24	8	--------	----------	29. 47	32	28	S	3	Cldy--------	Passed the *Sir James Ross* at lat. 74°11′ S; long. 179°48′ W at 7:45h.
24	12	74 31	179 42 W	29. 49	32	28	S	3	-----do-------	Alongside the *C. A. Larsen* from 9:25h to 11h.

TABLE 3.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand to the Bay of Whales and return, Jan. 14 to Feb. 16, 1929*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1929	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	°*F.*	*From 0–12*			
Jan. 24	16	--------	----------	29. 39	32	28	NW	4	Cldy--------	Occasional lt. snow squalls.
24	20	--------	----------	29. 35	32	28	NNW	6	-----do-------	Hvy. snow squalls. Sea rough. Vis. poor.
24	24	--------	----------	29. 33	32	28	W	5	-----do-------	Hvy. snow squalls. Vis. vy. poor. Following the *C. A. Larsen.*
25	4	--------	----------	29. 31	32	28	NW	3	-----do-------	Hvy. snow squalls. Sea rough.
25	8	--------	----------	29. 29	32	30	NW	3	-----do-------	Hvy. snow squalls. Mod. sea.
25	12	74 00	180 00 W	29. 17	36	30	WNW	3	-----do-------	Alongside the *C. A. Larsen* since 10:35h loading stores.
25	16	--------	----------	29. 11	39	30	WNW	2	-----do-------	Hvy. snow squalls.
25	20	--------	----------	29. 19	38	30	NW	2	-----do-------	Cast off from the *C. A. Larsen* at 17:50h. In hvy. pack ice.
25	24	--------	----------	29. 19	38	30	N	2	Pt. Cldy-----	In hvy. pack ice. Sea smooth.
26	4	--------	----------	29. 17	34	29	W	1	-----do-------	
26	8	--------	----------	29. 14	37	29	WSW	3	-----do-------	On various courses to avoid ice.
26	12	76 07	176 05 W	29. 19	33	28	W	3	-----do-------	Steaming through ice floes.
26	16	--------	----------	29. 24	38	28	W	2	-----do-------	Maneuvering in pack ice.
26	20	--------	----------	29. 27	37	28	W	2	Clr----------	
26	24	--------	----------	29. 30	29	27	W	2	-----do-------	Clear of pack ice at 22:20h. Lat. 77°10′ S; long. 172°58′ W. A few bergs in sight.
27	4	--------	----------	29. 29	30	29	W	2	-----do-------	
27	8	--------	----------	29. 26	30	28	SW	5	Pt. Cldy-----	Passed several bergs and fields of pack ice.
27	12	77 51	164 17 W	29. 31	33	28	S	4	Clr----------	Much ice and bergs.
[1] 27	16	--------	----------	29. 35	29	28	S	2	-----do-------	Arrived in the Bay of Whales and moored to the *City of New York* at 17:35.
Feb. 2	16	--------	----------	29. 19	------	------	E	2	-----do-------	Left Bay of Whales 12:40h. Numerous bergs in sight.
2	20	--------	----------	29. 22	28	30	E	3	-----do-------	Many bergs in sight.
2	24	--------	----------	29. 35	26	28	SE	2	-----do-------	Sea smooth.
3	4	--------	----------	29. 37	26	29	SW	3	----------	In open water; many bergs in sight.
3	8	--------	----------	29. 39	27	28	SW	4	Cldy--------	Few bergs.
3	12	77 07	175 50 W	29. 47	26	28	SW	4	-----do-------	
3	16	--------	----------	29. 51	24	28	SW	4	Pt. Cldy-----	A few bergs in sight.
3	20	--------	----------	29. 54	31	29	S	4	Clr----------	
3	24	--------	----------	29. 63	29	29	SW	3	Pt. Cldy-----	Numerous bergs in sight.
4	4	--------	----------	29. 63	31	29	NW	2	Clr----------	A few bergs in sight. Snow squalls from 2h to 3h.
4	8	--------	----------	29. 61	36	30	NNW	3	Cldy--------	No ice in sight.
4	12	73 53	179 28 W	29. 53	32	30	NNW	4	-----do-------	Occasional snow squalls.
4	24	--------	----------	29. 47	32	30	NW	3	Pt. Cldy-----	Alongside the *C. A. Larsen* from 3:35h to 20:50h at lat. 73°00′ S; long. 179°00′ E.
6	4	--------	----------	29. 39	30	30	SE	3	Clr----------	No ice in sight.
6	8	--------	----------	29. 35	31	30	SSW	3	Cldy--------	Horizon hazy. A few bergs in sight.
6	12	71 00	177 46 E	29. 19	33	30	SSE	3	-----do-------	Steaming through pack ice. Crossed 180th mer. from W to E longitude, thus lose Feb. 5, 1929.
6	14	--------	----------	29. 12	34	32	E	4	-----do-------	Hvy. sea.
6	20	--------	----------	28. 93	30	30	E	5	-----do-------	Lt. snow squalls.
6	24	--------	----------	28. 95	30	30	SE	4	-----do-------	Numerous small bergs in sight. Sea high.
7	4	--------	----------	28. 96	29	30	S	5	-----do-------	A few bergs sighted. Hvy. sea.
7	8	--------	----------	29. 04	30	31	S	4	Pt. Cldy-----	Mod. sea. Few bergs in sight.
7	12	68 25	171 25 E	29. 11	30	30	S	5	-----do-------	Sea high. Numerous bergs in sight.
7	16	--------	----------	29. 03	32	31	S	2	Clr----------	Mod. sea.
7	20	--------	----------	28. 99	31	31	S	2	-----do-------	
7	24	--------	----------	29. 03	31	31	S	3	Pt. Cldy-----	Numerous bergs in sight since noon. No pack ice sighted.
8	4	--------	----------	28. 87	32	31	ENE	5	Cldy--------	Many bergs sighted since 0h.
8	8	--------	----------	28. 83	32	31	E	5	-----do-------	Lt. snow squalls.
8	12	65 12	168 51 E	28. 87	32	31	E	5–6	-----do-------	Occasional snow squalls. Hvy. sea.
8	16	--------	----------	28. 93	32	34	ESE	5	-----do-------	Frequent snow squalls.
8	20	--------	----------	29. 11	32	33	E	4	-----do-------	Occasional lt. snow.
8	24	--------	----------	29. 19	32	33	SE	5	-----do-------	Occasional snow squalls.
9	4	--------	----------	29. 23	32	33	S	5	-----do-------	Sea rough.
9	8	--------	----------	29. 41	34	34	S	5	Pt. Cldy-----	Hvy. sea.
9	12	61 53	171 09 E	29. 45	34	35	S	5	Cldy--------	
9	16	--------	----------	29. 59	34	36	SSW	5	-----do-------	
9	20	--------	----------	29. 65	39	41	SSW	5	-----do-------	High sea.
9	24	--------	----------	29. 69	39	41	SSW	4	-----do-------	
10	4	--------	----------	29. 66	40	44	WSW	2	-----do-------	Mod. sea.
10	8	--------	----------	29. 67	42	44	WSW	2	-----do-------	
10	12	58 40	171 01 E	29 51	43	44	N	6	-----do-------	

[1] In Bay of Whales until Feb. 2, 1929.

TABLE 3.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand to the Bay of Whales and return, Jan. 14 to Feb. 16, 1929*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1929	L. M. T.	° ′	° ′	Inches	°F.	°F.	From 0–12			
Jan. 10	16	--------	----------	29. 45	44	46	NNW	5	Cldy --------	Sea rough.
10	20	--------	----------	29. 53	48	44		3	-----do-------	Mod. sea.
10	24	--------	----------	29. 55	48	44	SW	3	-----do-------	
11	4	--------	----------	29. 45	47	45	W	5	-----do-------	
11	8	--------	----------	29. 35	48	44	W	4	-----do-------	Mod. sea.
11	12	56 07	172 48 E	29. 39	48	45	W	5	Pt. Cldy-----	
11	16	--------	----------	29. 47	52	46	SW	6	-----do-------	Hvy. sea.
11	20	--------	----------	29. 53	49	47	SW	8	-----do-------	
11	24	--------	----------	29. 71	59	47	SW	8	Cldy --------	Do.
12	4	--------	----------	29. 77	48	47	WNW	6	-----do-------	
12	8	--------	----------	29. 73	48	46	WNW	7	-----do-------	
12	12	53 25	176 20 E	29. 69	50	47	WNW	8	-----do-------	
12	16	--------	----------	29. 69	51	47	WNW	7	-----do-------	Sea high.
12	20	--------	----------	29. 79	48	48	WNW	6	-----do-------	Occasional rain.
12	24	--------	----------	29. 83	49	48	WNW	6	-----do-------	Do.
13	4	--------	----------	29. 91	46	47	W	6	Clr----------	
13	8	--------	----------	29. 95	48	49	W	5	Cldy---------	Mod. sea.
13	12	50 56	175 25 E	29. 87	48	49	W	5	-----do-------	
13	16	--------	----------	29. 78	50	49	WNW	5	-----do-------	Sea rough.
13	20	--------	----------	29. 64	51	48	WNW	4	-----do-------	
13	24	--------	----------	29. 53	51	48	NW	8	-----do-------	Vy. hvy. sea.
14	4	--------	----------	29. 43	50	48	NW	8	-----do-------	Occasional hard wind and rain squalls. High and rough sea.
14	8	--------	----------	29. 43	50	49	WNW	8	-----do-------	Occasional rain squalls.
14	12	49 02	174 10 E	29. 51	50	49	WNW	8	Pt. Cldy-----	Hvy. sea.
14	16	--------	----------	29. 51	49	51	WNW	9	-----do-------	Vy. high sea.
14	20	--------	----------	29. 61	49	------	W	9	Cldy---------	Rain squalls. Vy. high and rough sea.
14	24	--------	----------	29. 73	49	------	W	9	-----do-------	Sea continues high and rough.
15	4	--------	----------	29. 79	49	------	W	8	-----do-------	
15	8	--------	----------	29. 91	50	------	WNW	7	Pt. Cldy-----	Gale moderating; sea still high and rough.
15	12	47 08	173 27 E	29. 92	50	------	WNW	7	Clr----------	
15	16	--------	----------	29. 90	50	------	WNW	7	Cldy---------	Hvy. sea.
15	20	--------	----------	29. 93	51	------	W	6	-----do-------	
16	24	--------	----------	29. 93	51	------	WNW	6	-----do-------	Sea moderating.
16	4	--------	----------	29. 87	50	------	W	4	Clr----------	Mod. sea.
16	8	--------	----------	29. 85	50	------	W	4	-----do-------	
	14	Dunedin Harbor		29. 73	50	------	SW	4	----------	Docked at Dunedin, 14h.

TABLE 4.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 62°54′ S., longitude 178°30′ E., and return, Feb. 19 to Mar. 6, 1929*

Date	Hour	Latitude S.	Longitude	Pressure, sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1929	L. M. T.	° ′	° ′	Inches	°F.	°F.	From 0–12			
Feb. 19	14	--------	----------	30. 11	------	------	S	6	Pt. Cldy-----	Left Dunedin, 13h.
19	16	--------	----------	30. 13	------	------	S	5	-----do-------	Hvy. sea.
19	20	--------	----------	30. 16	54	------	S	4	-----do-------	
19	24	--------	----------	30. 19	54	------	S	4	-----do-------	Do.
20	4	--------	----------	30. 13	52	------	S	3	Cldy---------	
20	8	--------	----------	30. 15	56	------	S	3	-----do-------	
20	12	47 45	171 16 E	30. 13	59	------	S	3	Pt. Cldy-----	Do.
20	16	--------	----------	30. 08	54	------	SW	5	Cldy---------	
20	20	--------	----------	30. 04	53	------	SW	5	-----do-------	Occasional rain.
21	24	--------	----------	30. 11	50	------	SW	6	-----do-------	
21	4	--------	----------	30. 09	50	------	SSW	3	-----do-------	Mod. sea.
21	8	--------	----------	30. 04	52	------	SW	3	-----do-------	
21	12	50 28	172 32 E	29. 99	51	------	SW	5	-----do-------	
21	16	--------	----------	29. 79	53	------	SW	5	-----do-------	Hvy. sea.
21	20	--------	----------	29. 75	53	------	SSW		-----do-------	
22	24	--------	----------	29. 71	50	------	SW		-----do-------	Misting.
22	4	--------	----------	29. 76	48	------	SW	6	-----do-------	High sea.
22	8	--------	----------	29. 79	46	------	SW	7	-----do-------	
22	12	52 14	173 27 E	29. 87	49	------	SW	7	-----do-------	Hvy. sea.
22	16	--------	----------	29. 86	49	------	SW	5	Clr----------	Mod. sea.
22	20	--------	----------	29. 90	48	------	SW	3	-----do-------	
23	24	--------	----------	29. 92	46	------	E	2	Pt. Cldy-----	
23	4	--------	----------	29. 71	46	------	N	4	-----do-------	
23	8	--------	----------	29. 51	44	------	NE	5	Cldy---------	Hvy. rain squalls.
23	12	55 17	174 49 E	29. 31	41	------	NE	6	-----do-------	Occasional rain.
	16	--------	----------	29. 17	49	46	NW	5	-----do-------	Occasional rain; high sea.

TABLE 4.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 62°54′ S., longitude 178°30′ E., and return, Feb. 19 to Mar. 6, 1929*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1929	*L. M. T.*	° ′	° ′	*Inches*	*°F.*	*°F.*	*From 0-12*			
Feb. 23	20			29. 11	48	44	NW	5	Cldy	
23	24			29. 05	48	44	NW	5	do	Mod. sea.
24	8			28. 94		41	NW	3	Pt. Cldy	
24	12	57 24	176 57 E	28. 84	54	41	NW	2	do	
24	16			28. 77	48	42	SW	2	do	
24	20			28. 71	48	41	SW	2	Cldy	Smooth sea.
24	24			28. 70	45	41		3	Pt. Cldy	
25	4			28. 65	44	41	NW	3	do	
25	8			28. 69	44	43	W	3	Cldy	Misting.
25	12	60 25	178 17 E	28. 70	48	41	SW	3	Pt. Cldy	
25	16			28. 83	47	41	SW	4	Cldy	
25	20			28. 90	42	40	SW	4	do	
25	24			28. 93	39	39	SE	6	do	Hvy. sea.
26	4			28. 99	39	39	S	8	do	Do.
26	8			29. 12	39	37	S	8	do	Hvy. snow squalls. Sea high and rough.
26	12	62 54	178 30 E	29. 40	39	39	S	8	do	Hvy. snow squalls. Received orders to return to Dunedin.
26	16			29. 47	39	39	S	4	do	Occasional hvy. snow; hvy. sea.
26	20			29. 51	35	39	S	4	Pt. Cldy	Mod. sea.
26	24			29. 61	36	40	SE	3	Clr	
27	4			29. 63	39	41	NE	3	do	Mod. sea.
27	8			29. 59	41	41	N	3	Pt. Cldy	
27	12	60 03	176 36 E	29. 59	40	41	N	5	Cldy	
27	16			29. 49	43		N	6	do	Hvy. sea.
27	20			29. 35	45	41	N	5	do	
27	24			29. 22	45	46	N	6	do	Continued hvy. and rough sea.
28	4			28. 93			N	7	do	Hvy. squalls; high sea.
28	8			28. 87	44	44	N	6	do	
28	12	58 40	172 08 E	28. 89	46	40	N	5	Pt. Cldy	Mod. sea.
28	16			28. 82	42		NW	5		
28	20			28. 87	43		NW	6	Cldy	
28	24			28. 90	43		NW	7	do	Hvy. sea.
Mar. 1	4			28. 91	43		NW	8	do	Vy. high sea. Proceeding at half speed.
1	8			28. 92	45		NW	8	do	Vessel hove to. Vy. high sea.
1	12	56 47	172 01 E	28. 99	45		NW	8	do	Ahead at full speed.
1	16			29. 25	46		NW	7	do	
1	20			29. 33	46		NW	7	do	
1	24			29. 42	47		NW	7	do	
2	4			29. 62	47		WNW	7	do	Occasional hvy. rain. High sea.
2	8			29. 69	48		WNW	6	do	
2	12	54 12	174 13 E	29. 81	51		WNW	6	do	Hvy. sea.
2	16			29. 81	52		WNW	5	Pt. Cldy	
2	20			29. 79	54		WNW	5	Cldy	
2	24			29. 77	54		NW	6	do	Do.
3	4			29. 75	54		WNW	7	do	Occasional hvy. rain. High sea.
3	8			29. 68	51		W	7	do	Rain squalls.
3	12	52 21	172 39 E	29. 66	51		W	5	do	
3	16			29. 49	48		NW	7	do	High sea.
3	20			29. 52	48			6	do	
3	24			29. 57	49		W	5	do	
4	4			29. 69	49		SW	5	do	
4	8			29. 81	56		SW	4	Pt. Cldy	
4	12	49 54	171 37 E	29. 81	56		SW	5	do	
4	16			29. 87	58		SW	4	Clr	
4	20			29. 91	59		SW	4	Cldy	
4	24			29. 96	59		SW	3	Clr	
5	4			29. 81	50		N	5	Cldy	
5	8			29. 63	51		N	6	do	Lt. fog. Misting.
5	12	47 36	169 30 E	29. 49	51		N	8	do	High sea.
5	16			29. 43	53		N	8	do	
5	20			29. 49	52		N	6	do	Occasional rain. Hvy. sea.
5	24			29. 52	53		NW	4	Clr	
6	4			29. 49	54		N	3	Pt. Cldy	
6	8			29. 53	55		N	3	Cldy	Misting.
6	4:30									Arrived Dunedin.

TABLE 5.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 67°09′ S., longitude 179°08′ E. and return, Jan. 20 to Feb. 9, 1930*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1930	L. M. T.	° ′	° ′	Inches	° F.	° F.	From 0-12			
Jan. 20	16			29.27			W	4	Cldy	Occasional rain. Left Dunedin 11:40h.
20	20			29.24			W	3	do	Rain squalls.
20	24			29.26			S	2	do	Lt. rain.
21	4			29.25			NW	3	Clr	
21	8			29.32			W	4	do	
21	12	48 26	172 19 E	29.35			W	4	do	
21	16			29.35			W	4	Pt. Cldy	Occasional hvy. rain.
21	20			29.41			SW	4	do	
22	24			29.41			S	3	Clr	
22	4			29.42			SW	3	do	
22	8			29.52			SW	3	do	
22	12	49 46	174 09 E	29.59			SW	2	do	
22	16			29.59			SW	2	do	
22	20						SW	3	Pt. Cldy	
23	24			29.38			W	4	Cldy	Occasional lt. rain.
23	4			29.21			WNW	6	do	Hvy. sea.
23	8			29.24			W	6	do	
23	12	52 07	175 00 E	29.30			W	6	do	
23	16			29.31			W	6	do	
23	20			29.37	51	47	WNW	5	do	
24	24			29.40			NW	6	do	Do.
24	4			29.41	50	44	W	6	do	Occasional hvy. rain.
24	8			29.42	55	43	W	6	do	Hvy. sea.
24	12	54 08	176 29 E	29.57	56	43	W	4	Clr	
24	16			29.63	50	44	W	4	do	Haze.
24	20			29.75	55	44	W	3	do	
25	24			29.74	56	44	W	3	Pt. Cldy	
25	4			29.74	45	43	W	3	Clr	Sea moderating.
25	8			29.75	50	42	W	3	do	
25	12	56 29	177 50 E	29.74	53	42	W	2	do	
25	16			29.69	51	43	W	2	Pt. Cldy	
25	20			29.61	48	42		1	Cldy	
26	24			29.37	45	40	N	1	do	Raining.
26	4			29.26	46	41	W	3	do	
26	8			29.24	47	41	W	2	do	Occasional rain.
26	12	59 15	178-04 E	29.26	46	41	NW	2	do	Rain squalls.
26	16			29.27	46	38	WSW	3	Pt. Cldy	
26	20			29.35	43	38	W	3	Cldy	Occasional hvy. rain.
27	24			29.43	43	38	W	2	do	Lt. rain.
27	4			29.53	45	37	W	2	Pt. Cldy	Vy. smooth sea.
27	8			29.63	47	38	W	2	do	
27	12	61 57	178-37 E	29.68	50	38	W	2	Cldy	Lt. fog.
27	16			29.73	45.5	38	S	2	do	
27	20			29.77	40	35	S	2	do	
28	24			29.73	38	36	NE	1	do	
28	4			29.64	39	34	NE	3	do	
28	8			29.54	40	32	ENE	3	do	Occasional rain. First ice sighted at 5h.
28	12	64 37	178-19 E	29.35	45	34	WNW	2	do	Occasional rain.
28	16			29.31	40	32	NW	3	do	Several bergs in sight.
28	20			29.33	47	31	NE	3	do	
29	24			29.25	44	32	NW	2	do	One small berg sighted.
29	4			29.21	43	29	NW	3	do	Several bergs and growlers sighted.
29	8			29.19	47	29	N	3	do	Smooth sea.
29	12	67 42	178-17 E	29.31	42	28	S	1		
29	16			29.11	32	28	S	1	Pt. Cldy	Alongside the *City of New York* from 14h to 16h at lat. 67°39′ S., long. 178°21′ E.
29	20			29.14	38	28	S	2	do	Entered pack ice at 19:05h.
30	24			29.27	39	27	S	1		
30	4			29.46			W	3	Clr	Smooth sea.
30	10			29.57	31	29	S	2	do	Vy. little ice in sight.
30	12	67 15	179 17 E	29.51	59	31	S	1	do	
30	16			29.53	55	31	SE	1	do	
30	18	67°24′30″	179°54′30″ W	29.51	55	31	SE	1	do	Off Scott Island.
31	24			29.47	40	30	SE	1		
31	4			29.45	33	29	NW	3	Cldy	Numerous bergs in sight.
31	8			29.40	38	29	NW	2	do	No ice in sight.
31	12	67 30	179 08 E	29.31	38	30	N		do	Snow squalls. Vessel hove to.
31	16			29.19	39	30	NW	2	do	
31	20			29.19	35	30	NW	3	do	
	23:30	67 09	179 08 E	29.13	34	30	N	3	do	Lt. fog. Received orders to return to Dunedin.

TABLE 5.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 67°09′ S., longitude 179°08′ E. and return, Jan. 20 to Feb. 9, 1930*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1930	*L. M. T.*	° ′	° ′	*Inches*	° *F.*	° *F.*	*From 0–12*		
Feb. 1	4	----------	----------	29.20	34	29	NW 5	Cldy	High sea.
1	8	----------	----------	29.21	40	30	NW 4	do	Occasional snow squalls.
1	12	66 25	177 34 E	29.15	42	30	NNW 3	do	Snow squalls.
1	16	----------	----------	29.11	38	30	NW 3	do	Mod. sea.
1	20	----------	----------	29.01	36	30	W 2	do	Many icebergs in sight.
1	24	----------	----------	28.86	38	30	NNE	do	Occasional snow squalls.
2	4	----------	----------	28.79	41	30	NE 3	do	
2	8	----------	----------	28.77	44	30	E 3	do	
2	12	65 05	175 11 E	28.81	46	30	E 2	do	Do.
2	16	----------	----------	28.87	43	32	E	Pt. Cldy	
2	20	----------	----------	28.95	41	32	E	Cldy	
2	24	----------	----------	28.99	37	32	E 2	do	Some ice in sight.
3	4	----------	----------	29.05	42	31	E 2	do	Occasional lt. snow.
3	8	----------	----------	29.13	41	32	E 2	do	
3	12	63 12	171 09 E	29.16	42	33	SE 2	do	
3	16	----------	----------	29.13	43	33	NW 2	do	
3	20	----------	----------	29.19	41	------	NW 1	do	
3	24	----------	----------	29.19	37	------	2	do	
4	4	----------	----------	29.19	40	------	W 3	do	
4	8	----------	----------	29.26	42	------	W 2	do	
4	12	60 18	172 36 E	29.21	42	------	NNW 2	Pt. Cldy	
4	16	----------	----------	29.27	44	------	NNW 2	do	
4	20	----------	----------	29.29	43	------	W 2	do	
4	24	----------	----------	29.30	41	------	W 3	Cldy	
5	4	----------	----------	29.40	42	------	WNW 4	Pt. Cldy	
5	8	----------	----------	29.58	44	------	W 3	Cldy	
5	12	57 17	171 41 E	29.64	49	------	W 3	Pt. Cldy	
5	16	----------	----------	29.79	47	------	W 3	do	Occasional rain.
5	20	----------	----------	29.79	46	------	W 3	do	
5	24	----------	----------	29.81	42	------	NW 4	Cldy	
6	4	----------	----------	29.81	48	------	NW 5	do	
6	8	----------	----------	29.85	47	------	NW 5	do	Hvy. sea.
6	12	54 24	172 30 E	29.91	49	44	NW 3	Pt. Cldy	
6	16	----------	----------	29.85	50.5	------	NNW 5	Cldy	Occasional rain. Hvy. sea.
6	20	----------	----------	29.71	50	------	N 6	do	Rain squalls. Vy. hvy. sea.
6	24	----------	----------	29.69	52	------	N 6	do	Occasional rain.
7	4	----------	----------	29.77	50	------	N 6	do	
7	8	----------	----------	29.82	50	------	N 6	do	Hvy. sea.
7	12	52 04	172 25 E	------	------	------	W 5	do	
7	16	----------	----------	30.13	55	------	WNW 4	Clr	Sea moderating.
7	20	----------	----------	30.16	51	------	WNW 3	Cldy	
7	24	----------	----------	30.17	52	------	NNW 3	Pt. Cldy	Mod. sea.
8	4	----------	----------	30.11	52	------	NNW 3	do	
8	8	----------	----------	30.09	54	------	NNW 3	Clr	
8	12	49 12	171 26 E	30.09	------	------	N 2	Cldy	
8	16	----------	----------	30.12	------	------	W 3	Clr	
8	20	----------	----------	30.10	51	------	W 3	Cldy	Haze on horizon.
8	24	----------	----------	30.17	51	------	W 4	Pt. Cldy	
9	4	----------	----------	30.25	51	------	WSW 4	Cldy	
9	8	----------	----------	30.37	52	------	WSW 3	do	
9	12	45 53	170 52 E	30.43	55	------	W 2	do	Docked at Dunedin 15:55h.

TABLE 6.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 68°40′ S., longitude 170°25′ E., and return, Feb. 11 to Mar. 10, 1930*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1930	L. M. T.	° ′	° ′	Inches	°F.	°F.	From 0–12			
Feb. 11	24			30.19	60		N	1		Left Dunedin 23:45h.
12	4			30.17	50		E	1	Clr	
12	8			30.17	52		E		do	
12	12	47 00	171 44 E	30.09	58		NE	2	do	
12	16			30.03	58		NE	3	do	
12	20			29.99	57		NE	3	do	
12	24			29.91	58		NNE	2	do	
13	4			29.91	55		NW	3	Cldy	
13	8			29.87	55		NW	3	do	
13	12	49 49	173 41 E	29.83	57		NNW	2	do	Occasional rain.
13	16			29.79	48		WSW	2	do	
13	20			29.85	51		W	2	Pt. Cldy	
14	24			29.82	55	48	W	2	do	
14	4			29.83	50	44	W	4	do	Hvy. sea.
14	8			29.97	51	43	W	6	do	
14	12	52 32	174 45 E	29.97	55	44	W	5	Clr	
14	16			30.01	50	44	W	5	do	
14	20			30.07	50	43	SW	6		Vy. hvy. sea.
15	24			30.05	50	43	SW	5	Cldy	
15	4			30.03	49	44	W	3	Pt. Cldy	Sea moderating.
15	8			30.01	51	43	NW	3	Cldy	
15	12	55 14	176 45 E	29.93	56	43	NW	3	Pt. Cldy	
15	16			29.89	54		N	3	do	
15	20			29.71	51	41	N	4	Cldy	
16	24			29.59	51	41	N	4	do	Occasional rain.
16	4			29.51	48	41	N	3	do	
16	8			29.47	47	41	NW	4	do	Lt. fog.
16	12	58 10	178 44 E	29.43	49	40	NW	3	do	Do.
16	16			29.41	44	38	NW	3–4	do	
16	20			29.31	43	38	NW	4	do	
17	24			29.29	43	38	W	5	do	Hvy. sea.
17	4			29.24	40	38	SW	5	do	Hvy. rain squalls.
17	8			29.20	42	39	NW	5		
17	12	60 42	178 00 E	29.19	43		W	6	Cldy	Vy. hvy. sea.
17	16				40	38	W	6–7	do	Vy. hvy. rain and snow squalls. Vy. high sea.
17	20				40		W	6–7	do	Barometer loosened from fastenings.
18	24				38		W	6–7	do	Vy. high sea.
18	4				40	37	SW	7	do	
18	8			29.47	40	34	SW	6	do	Continued high sea.
18	12	62 17	177 00 E	29.25		35	SW	3	Pt. Cldy	Moderating sea.
18	16			29.04	39	34	N	3	do	Passed 1 iceberg.
18	20			28.75	37	33	NW	4	do	
19	24			28.41	38	32	E	5	Cldy	Snow squalls; mod. sea.
19	4			28.31	38	32	NW	3	do	Passed 1 berg at 2h.
19	8			28.31	36	33	W			
19	12	65 24	177 17 E	28.25	36	31.5	SSE	4	Pt. Cldy	
19	16			28.31	38	32	E	6–7	Cldy	Vis. vy. poor; vy. high sea.
19	20			28.35	38	31	E	9	do	Ship hove to; wind and sea vy. high.
20	24			28.75	38	31	SE	7	do	1 berg in sight.
20	4			28.91	38	31	SE	7	do	High sea.
20	8			29.01	32	31	SE	6		
20	12	66 42	177 03 E	29.13	34	31	SSE	4	Cldy	Sea moderating; several bergs in sight.
20	16			29.19	34	30	SSE	3	do	Numerous bergs in sight.
20	20			29.29	30	29	SE	3	Clr	Ice pack sighted.
21	24			29.25	36		SE	1		Ship stopped; entered ice pack at 21h.
21	4			29.26	30.5		SE	3	Clr	In pack ice.
21	8			29.23	32	28	SE	2	do	Smooth sea.
21	12	68 00	174 00 E	29.21	30	28		2		
21	16			29.41	36	28	SE	3	Cldy	In heavy pack ice; poor vis.
21	20			28.97	37	28	SE	3	do	Snowing. Outside of pack.
22	24			28.95	38	29	SE	2	do	Occasional snow squalls. Outside of pack; some scattered ice.
22	4			28.91	35	29	SE	2	do	Smooth sea. Numerous bergs and growlers in sight.
22	8			28.87	38	29	SE	2	do	Occasional lt. snow.
22	12	68 41	171 00 E	28.90	39	29	SE	2	do	Skirting edge of pack ice.
22	16			28.85	38		S	3	do	Smooth sea.
22	20			28.91	36		S	3	Clr	Alongside the *C. A. Larsen*. Position 68°30′ S., 170°00′ E.
23	24			29.03	34		S	2	Cldy	Occasional snow. Some scattered ice.
	4			29.06	33		S	4		Smooth sea; vy. little ice. Lying to near the *C. A. Larsen* awaiting rendezvous with the *City of New York*.

TABLE 6.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 68°40′ S., longitude 170°25′ E. and return, Feb. 11 to Mar. 10, 1930*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1930	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	°*F.*	*From 0–12*			
Feb. 23	8			29. 14	32		S	3		
23	12	68 30	170 00 E	29. 19	35		SE	2	Cldy	
23	16			29. 3	37		SE	2	do	Poor vis.
23	20						SE	2	do	Occasional lt. snow. Vis. poor.
23	24			29. 21	36	29	SE	2	do	Occasional lt. snow.
24	4			29. 11	40		S	2	do	Lying close to pack. Numerous bergs in sight.
24	8			29. 07	41	30	S	1	Clr	
24	12	68 30	169 30 E	29. 03	36		S	1		
24	16			28. 91	36		SE	2	Cldy	Smooth sea.
24	20			28. 87	36	28	SE	1	do	Occasional lt. snow.
24	24			28. 91	34	29	SE	1	do	Many large bergs in sight.
25	4			28. 85	30		S	4	do	Poor vis.
25	8			28. 87	33	27	S	3	do	Occasional snow squalls. Mod. sea.
25	12	68 00	169 09 E	28. 91	35	27	S	2	do	Alongside the pack. Smooth sea.
25	16			28. 95	29	27	S	4	do	Poor vis. Occasional lt. snow.
25	20			28. 94	29	27	SE	5	do	Snow squalls.
25	24			28. 94	31	28	S	4	do	
26	4			28. 97	23	27	W	5	do	Mod. sea.
26	8			28. 91	29	27	NE	3		On course to meet the *City of New York.*
26	12	68 38	168 30 E	28. 89	30	27	E		Cldy	
26	16			28. 89	32	27	NE	5	Pt. Cldy	
26	19			28. 91	30	27	NE	4		Mod. sea.
26	24			29. 09	28	28	NE	3		Lying to about 3 miles off the pack and alongside the *Kosmos* awaiting the arrival of the *City of New York.* Many bergs in sight.
27	4			29. 07	28	27	NE	4	Pt. Cldy	
27	8			29. 05	31	27	NNE	3	Cldy	Occasional lt.snow.
27	12	68 40	170 25 E	29. 11	34	27	NNE	2		
27	16			29. 11	31	27	NNE	2	Cldy	
27	20			29. 15	29	27	E	1	Clr	
27	24			29. 21	33	28	E	1	Pt. Cldy	
28	4			29. 11	29	27	NE	3	Cldy	
28	8			29. 09	29	27	NE	3		Alongside the *City of New York* since 6:35h.
28	12	68 40	170 15 E	28. 97	30	27	NNE	3		
28	20			28. 77	30	27	ENE	3		
28	24			28. 71	33	28	ENE	2	Cldy	Occasional lt. snow.
Mar. 1	4			28. 51	32	28				Lying to outside of the pack.
1	8			28. 41	32	28	NE			Enroute to Dunedin.
1	12	68 46	167 35 E	28. 41	32	28	NE	3	Cldy	Occasional snow squalls. Pancake ice forming about ship.
1	16			28. 57	30	28	NNE	4	do	
1	20			28. 51	30	28	NNE	4	Clr	
1	24			28. 61	30	29	NNE	3	Cldy	Occasional snow squalls.
2	4			28. 57	30	29	NNE	3	do	Occasional lt. snow.
2	8			28. 59	30	30	NNE	3	Clr	
2	12	66 44	171 30 E	28. 61	37	30	NNE	2	Pt. Cldy	
2	16			28. 59	31	30	NW	3	do	Do.
2	20			28. 64	32	30	N	3	Clr	
2	24			28. 71	33	30	W	1	do	
3	4			28. 85	32		SW	3	Pt. Cldy	
3	8			29. 05	31		SW	3	Cldy	Do.
3	12	65 16	167 37 E	29. 23	33		S	4	do	Occasional snow squalls.
3	16			29. 39	34		S	4	Clr	
3	20			29. 43	33		S	3	do	
3	24			29. 43	33		S	3	Pt. Cldy	Occasional lt. snow.
4	4			29. 41	33		WSW	5	do	Occasional snow squalls.
4	8			29. 39	28		W	5	Cldy	
4	12	62 05	168 12 E	29. 50	30		WSW	3	do	
4	16			29. 51			WSW	3	Clr	Numerous small bergs in sight.
4	20			29. 41	31		W	2	do	Many bergs in sight.
4	24			29. 31	37		WSW	1	do	
5	4			29. 18	34		ESE	3	Cldy	
5	8			29. 11	38		S	3	Clr	
5	12	58 47	168 29 E	29. 31			S	3	Pt. Cldy	
5	16			29. 47	39		S	3	Cldy	
5	20			29. 61	38		S	2	Clr	
5	24			29. 59	37		S	3	Cldy	Occasional snow squalls.
6	4			29. 79	38		S	4	do	
6	8			29. 89	39		S	4	Clr	
6	12	55 28	168 18 E	29. 87	43		S	3	Cldy	
6	16			29. 90	44		W	4	do	
6	20			29. 99	40		W	3	Clr	
6	24			30. 01	40		W	3	Pt. Cldy	

TABLE 6.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 68°40′ S., longitude 170°25′ E., and return, Feb. 11 to Mar. 10, 1930*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1930	L. M. T.	° ′	° ′	Inches	°F.	°F.	From 0–12			
Feb. 7	4			29.99	39		NW	4	Cldy	
7	8			30.01	48		NW	2	do	
7	12	52 54	167 56 E	29.96	48		NW	3	do	Occasional rain.
7	16			29.89	48		NW	5	do	
7	20			29.88	47		NNW	6	do	Hvy. sea.
7	24			29.80	46		NW	6	do	
8	4			29.76	46		NW	8	do	Occasional hvy. squalls. Rough sea.
8	8			29.73	46		NNW	8	do	
8	12	50 53	169 26 E	29.63	51		NW	7	Pt. Cldy	
8	16			29.58	50		NW	7	do	
8	20				48		NNW	5	Cldy	
8	24			29.37	47		NNW	5	do	
9	4			29.50	47		W	4	Pt. Cldy	
9	8			29.61	49		W	3	Clr	
9	12	48 36	170 58 E	29.73	50		W	3	Pt. Cldy	Mod. sea.
9	16			29.82	53		W	4	Clr	
9	20			29.88	52		W	3	Pt. Cldy	
9	24			29.89	51		W	4	do	
10	4			29.91	51		NNW	4	do	
10	8			29.93	53		NNW	3	Clr	
10	12	Dunedin Harbor		29.91	53		SW	3	Cldy	Accompanying the *City of New York* into Dunedin. Docked at Dunedin, 13:50h.

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Remarks
1933	L. M. T.	° ′	° ′	Inches	°F.	From 0–12			
Dec. 12	10	41 29	174 53 E						Left Wellington at 7:52h.
12	12	41 45	175 06 E	30.21	65	E	3		
12	16			30.18	64	E	2	Cldy	
12	20			30.12	54	NNE	2	do	Slight haze.
13	24			30.16	56	NNE	2	do	
13	4			30.15	54	ESE	1	do	
13	8			30.16	56		0	Dn. Fog	Dn. fog since 7:15h.
13	12	45 05	177 43 E	30.16	55		0	Cldy	Misting; sea smooth.
13	16			30.15	54		0	do	
13	20			30.12	52		0	do	
14	24			30.10	50		0	do	Misting; sea smooth.
14	4							do	Lt. fog.
14	8			30.06	49	N	1	do	Do.
14	12	48 25	179 03 E	30.00	53	NNW	1	do	Do.
14	16			29.93	53	NNW	3	do	Do.
14	20			29.81	48	WSW	4	do	Do.
14	24			29.72	48	SW	4	do	Do.
	4			29.63	47	SW	3	do	Lt. rain from 1:30h to 2h. Crossed 180th mer. from E to W longitude; hence, second day dated Dec. 14.
14									
14	8			29.59	48	WSW	4	do	Do
14	12	51 42	176 15 W	29.62	48	S	3	do	Sea moderate; weather variable.
14	16			29.60	48	SSW	3	do	Occasional haze.
14	20			29.55	44	SSW	4	do	
15	24			29.64	44	SSW	5	do	Occasional rain.
15	4			29.68	40	SE	3	Pt. Cldy	
15	8			29.74	44	SE	2	Cldy	
15	12	55 01	172 27 W	29.84	49	SE	1	do	Vis. good.
15	16			29.78	44	NW	1	do	
15	20			29.67	41	NNW	1	do	
16	24			29.54	40	NNW	3	do	Occasional lt. rain.
16	4			29.39	42	NNW	4	do	Haze. Sea rough.
16	8			29.23	40	NW	4	do	Lt. fog.
16	12	58 06	168 41 W	29.10	42	NW	3	do	Do.
16	16			28.92	40	NW	4	do	Fog E. 15h.
16	20			28.77	38	W	5	Pt. Cldy	
17	24			28.79	36	W	4	Clr	Sea moderate.
17	4			28.61	36	W	5	Cldy	Occasional graupel; sea rough.
17	8			28.27	32	NW	8	do	Occasional hvy. snow; sea high.
17	12	60 20	164 36 W	28.37	33	W	8	do	
17	16			28.62	33	W	8	do	
	20			28.71	34	W	7	do	

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Remarks
1933	*L. M. T.*	° ′	° ′	*Inches*	*°F.*	*From 0–12*			
Dec. 17	24	--------	----------	28.81	32	W	4	Cldy----------	Occasional lt. snow; sea moderating.
18	4	--------	----------	28.82	32	W	5	-----do---------	Occasional lt. snow; sea moderate.
18	8	--------	----------	28.84	32	W	3	-----do---------	
18	12	61 29	162 06 W	28.90	31	SW	5	-----do---------	
18	16	--------	----------	28.93	33	SW	4	-----do---------	
18	20	--------	----------	28.90	32	SW	2	Pt. Cldy--------	61°32′ S–159°15′ W at 19:39h.
18	24	--------	----------	28.96	30	SW	3	Clr----------	Clear; good vis.
19	4	--------	----------	28.90	30	SW	2	-----do---------	Numerous icebergs and growlers sighted since 1:25h.
19	8	--------	----------	28.79	31	NNE	2	-----do---------	Passing through field of icebergs and growlers.
19	12	63 30	155 16 W	28.81	33	NNE	3	Cldy----------	Many bergs and growlers; 63°10′ S–155°48′ W at 9:40h.
19	16	--------	----------	28.75	34	NNE	3	Pt. Cldy--------	On various courses to avoid icebergs and growlers.
19	20	--------	----------	28.79	32	NE	1	-----do---------	
19	24	--------	----------	28.89	29	E	3	Clr----------	Passing numerous icebergs and growlers. Ice blink on southern horizon.
20	4	--------	----------	28.97	29	E	1	Pt. Cldy--------	
20	8	--------	----------	28.99	31	E	1	-----do---------	Steaming through loose field of pancake ice; sea smooth. 56°55′ S–151°10′ W at 6:30h.
20	12	66 30	149 02 W	29.07	30	SE	3	Clr----------	Many icebergs in sight.
20	16	--------	----------	29.09	32	SSW	2	----------	Edging through drift ice.
20	20	--------	----------	29.10	28	SW	1	----------	67°09′ S—148°00′ W at 18h.
20	24	--------	----------	29.11	27	SW	2	----------	Ship drifting.
21	4	--------	----------	29.12	27	SW	1	Pt. Cldy--------	Plane launched over side; sea smooth; ship hove to.
21	8	--------	----------	29.08	31	SW	1	-----do---------	
21	12	66 31	149 45 W	------	------		0	----------	Plane *Condor* took off at 11h.
21	16	--------	----------	29.13	39	SW	1	----------	*Condor* landed and alongside at 15:25h.
21	20	--------	----------	29.10	34	SW	1	Clr----------	Fine and clear; sea smooth.
21	24	--------	----------	29.16	29	SW	1	Pt. Cldy--------	Passing through drift ice; many icebergs sighted.
22	4	--------	----------	29.14	28		0	Clr----------	In drift ice.
22	8	--------	----------	29.19	32		0	-----do---------	Passing through thick floe ice. Sea smooth.
22	12	66 31	148 00 W	29.21	38	E	1	Pt. Cldy--------	
22	16	--------	----------	29.20	36	E	2	Clr----------	
22	20	65 51	147 20 W	29.14	33	E	2	Pt. Cldy--------	Forcing way through pack ice.
22	24	--------	----------	29.02	30	ENE	6	Cldy----------	Occasional snow. Moderate sea. Drift ice and bergs.
23	4	--------	----------	29.04	30	ENE	6	-----do---------	Occasional snow and graupel; some bergs and growlers sighted.
23	8	--------	----------	29.02	30	ENE	5	-----do---------	Sea increasing; many bergs sighted.
23	12	66 20	143 58 W	29.04	32	ENE	5	-----do---------	Moderate sea; numerous bergs and growlers.
23	16	--------	----------	29.06	33	ENE	1	Dn. Fog--------	Ship stopped and drifting.
23	20	--------	----------	29.02	32	NE	1	-----do---------	In Devil's Graveyard.
23	24	--------	----------	28.92	32	SE	1	-----do---------	Occasional lt. snow. Ship drifting; small bergs and growlers in sight.
24	4	--------	----------	28.90	30	SE	1	Cldy----------	Lt. fog.
24	8	--------	----------	28.88	30	SE	1	-----do---------	Hvy. snow. Ship drifting.
24	12	66 15	143 00 W	28.99	30	SSW	3	-----do---------	
24	16	--------	----------	29.02	30	SW	5	-----do---------	Occasional haze. On course from 14:40h. Sea high and rough.
24	20	--------	----------	29.22	30	SW	3	-----do---------	
24	24	--------	----------	29.31	30	SW	2	Dn. Fog--------	Ship stopped and drifting.
25	4	--------	----------	29.37	29	NNW	2	-----do---------	
25	8	--------	----------	29.25	30	NNE	2	Cldy----------	Fog cleared and ship under way at 6:15h. Occasional mist and sleet.
25	12	66 30	141 20 W	29.20	31	NNE	1	-----do---------	Lt. fog.
25	16	--------	----------	29.21	32	NNE	3	-----do---------	Pack ice sighted.
25	20	--------	----------	29.13	30	NNW	3	Dn. Fog--------	Ship hove to; many icebergs nearby.
25	24	--------	----------	29.04	32	NNW	5	Cldy----------	Lt. fog.
26	4	--------	----------	29.01	33	NNW	7–8	-----do---------	Lt. fog; sea rough; large field of pack ice sighted; many bergs.
26	8	--------	----------	29.01	33	NNW	7	-----do---------	
26	12	66 18	140 23 W	29.00	32	NNW	6	-----do---------	Various courses avoiding bergs and growlers.
26	16	--------	----------	29.10	33	NW	8	-----do---------	
26	20	--------	----------	29.21	32	NW	8	-----do---------	
26	24	--------	----------	29.29	33	NW	6	-----do---------	Passing numerous bergs and growlers.
27	4	--------	----------	29.33	32	NW	5–6	-----do---------	
27	8	--------	----------	29.41	32	NW	4	-----do---------	Many bergs and growlers in sight. 65°50′ S—139°31′ W at 5h.
27	12	66 01	139 10 W	29.50	33	WNW	5	-----do---------	Passing numerous bergs and growlers. Sea rough.
27	16	--------	----------	29.70	32	WSW	4	Pt. Cldy--------	

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Remarks
1933	L. M. T.	° ′	° ′	Inches	°F.	From 0–12			
Dec. 27	20			29.77	30	WSW	3	Pt. Cldy	Many large and small bergs sighted.
27	24			29.86	30	WSW	2	do	
28	4			29.86	30	WSW	3	Cldy	
28	8			29.81	32	WSW	3	do	Only a few bergs in sight.
28	12	67 30	133 10 W	29.74	34	W	1	do	Many bergs and growlers sighted.
28	16			29.71	36	SW	1	do	Occasional lt. snow; few bergs and growlers.
28	20			29.63	32	SW	1	do	On various courses along edge of ice pack.
28	24			29.61	28	WSW	2	Pt. Cldy	Passing many ice floes; few large bergs.
29	4			29.53	28	SW	2	do	Pack ice and growlers.
29	8			29.45	29	SW	3	do	Maneuvering in pack ice.
29	12	68 42	124 40 W	29.37	29	WSW	5	Cldy	Continued maneuvering in pack ice.
29	16			29.31	31	WSW	3	Pt. Cldy	Forcing passage through pack ice.
29	20			29.29	36	WSW	3	Clr	In open water. Mirage.
29	24			29.24	28	SW	2	Pt. Cldy	Passing numerous floes and bergs.
30	4			29.20	28	WSW	1	do	Slowly forcing way through field of pack ice.
30	8			29.12	32	SW	1	Cldy	Proceeding along edge of field of pack ice.
30	12	69 12	116 42 W	29.00	32	NW	1	do	Occasional lt. snow. Ship hove to.
30	16			28.87	32	N	2	do	Snowing.
30	20			28.77	29	NW	1	do	Snowing until 22h. Ship drifting.
30	24			28.71	28	NW	1	do	
31	4			28.64	28	NNW	1	do	Occasional lt. snow and lt. fog.
31	8			28.59	33		0	do	Snowing.
31	12	69 12	116 42 W	28.55	36	SE	1	do	Forcing passage through thick ice floes.
31	16			28.57	32	SE	1	do	Continuing passage through floes.
31	20			28.61	30	SE	2	do	Maneuvering in pack ice.
31	24			28.65	29	SSE	4	do	Occasional lt. snow.
1934									
Jan. 1	4			28.72	28	SSE	3	do	Slowly forcing way through pack ice.
1	8			28.79	28	S	2	do	On various courses conforming to ice.
1	12	69 57	116 35 W	28.82	28	S	3	Pt. Cldy	Working through heavy ice floes.
1	16			28.84	32	SSW	3	do	In heavy pack ice; position 70°03′ S—116° 35′ W at 15h.
1	20			28.78	27	SSW	3		Ship stopped in open water.
2	24			28.80	24	SW	3		Plane launched over side at 22:15h.
2	4			28.73	24	SW	4	Cldy	Occasional lt. snow. Ship hove to.
2	8			28.72	26	SW	3	do	Frequent snow squalls.
2	13			28.72	31	SW	3	do	Position 69°57′ S—116°35′ W at 12h. Ship drifting.
2	16			28.72	31	SW	3	do	Drifting in open water near ice floes.
2	20			28.72	28	SW	2	do	
3	24			28.68	28	SW	2	do	
3	4			28.62	28	SW	2	do	Drifting in open water. Plane moored to side.
3	8			28.58	28	WSW	1	do	Floe ice around ship.
3	12			28.58	29	WNW	1	do	Lt. snow. Plane took off at 11:22h from 69°57′ S—116°35′ W.
3	16			28.68	36		0	Pt. Cldy	Plane returned and landed at 14:31h.
3	20			28.68	30	SSE	1		
4	24			28.69	30	S	2		
4	4			28.72	29	S	2	Cldy	Continuous lt. snow.
4	8			28.75	30	SSE	2	do	Occasional lt. snow. Drifting in pack ice.
4	12	69 25	116 40 W	28.81	32	SE	3	do	Drifting in open lane.
4	16			28.89	30	SSE	3	do	Proceeding on Northerly course conforming with ice conditions.
4	20			28.94	30	SSE	2	do	Steaming through pack ice.
5	24	67 36	120 34 W	29.02	29	SSW	2	do	Drifting in pack.
5	4			29.07	26	SSW	2	Clr	Pushing through pack ice.
5	8			29.09	28	SSW	1–2	Cldy	Passing through open pack.
5	12	68 32	117 05 W	29.07	30	SW	1	do	In open pack.
5	16			29.07	29	W	4	do	Lt. snow.
5	20			29.05	29	WSW	1	do	Pack thinning out.
6	24			29.07	29	WSW	4	do	Occasional snow squalls.
6	4			29.15	29	WSW	6	do	Occasional lt. snow. Out of pack; bergs and growlers sighted.
6	8			29.25	30	WSW	5		Proceeding at full speed in open water on westerly course.
6	12	67 21	124 29 W	29.32	33	WNW	3	Pt. Cldy	
6	16			29.31	33	NNW	1	Cldy	Occasional lt. mist and snow.
6	20			29.17	30	NNE	2	do	Occasional snow squalls; many bergs and some pack ice.
7	24			29.08	30	NW	2	do	Occasional lt. snow; passing icebergs and field of pack ice.
7	4			29.13	30	NW	2	do	Lt. fog.
	8			29.09	31	WNW	3	do	Do.

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb 18, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	*From 0–12*		
Jan. 7	12	67 21	130 31 W	29.07	32	NW 3	Dn. Fog	Growlers and icebergs.
7	16			29.11	32	NW 3		Fog lifted at 16h.
7	20			29.11	31	W 1	Cldy	Snowing since 19:50h.
7	24			29.19	28	SSW 2	do	Occasional lt. snow. In open water. Many bergs and growlers.
8	4			29.24	27	SSW 1	do	
8	8			29.26	29	0		Various courses to clear pack ice and icebergs.
8	12	67 15	138 36 W	29.26	30	N 1	Cldy	Many bergs, growlers, and floes in sight.
8	16			29.28	32	NW 3	do	In Devil's Graveyard; many bergs in sight.
8	20			29.16	31	NW 3	Dn. Fog	
8	24			29.12	30	NNW 4	Cldy	Fog cleared at 21:10h.
9	4			29.00	30	NW 4	do	On various courses to avoid ice.
9	8			28.88	31	NW 2–1	do	
9	12	67 06	146 04 W	28.83	32	NW 3	do	Lt. snow.
9	16			28.76	35	WSW 2	Dn. Fog	
9	20	67 36	148 43 W	28.76	33	SW 2	Cldy	Occasional snow squalls.
9	24			28.94	29	SSW 5	do	Numerous icebergs and growlers in sight all day.
10	4			29.02	28	SSW 7	Cldy	Frequent snow squalls. Course due S.
10	8			29.09	29	SSW 7	do	Maneuvering in ice floes and bergs.
10	12	69 02	152 21 W	29.17	31	SSW 6	do	Sea rough.
10	16			29.26	34	SW 6	Clr	Ice blink on southern horizon.
10	20			29.32	30	SW 5–4	do	Arrived at edge of pack; ship stopped. 69°50′ S—152°21′ W at 19:30h.
10	24			29.36	26	SW 2	Pt. Cldy	Drifting in open lane; plane lowered over side at 22h.
11	4			29.36	27	SW 2	Clr	Plane took off at 3:32h.
11	8			29.39	26	SW 1	do	Plane returned and landed at 7:05h.
11	12	70 02	152 20 W	29.32	34	0	do	Ship stopped and drifting in open lane.
11	16			29.16	32	NE 3	Pt. Cldy	Under way since 13:40h.
11	20			28.96	26	NE 3–4	Cldy	Hvy. snow from 18h to 23:55h.
11	24			28.88	26	NE 6	do	Much ice and many bergs and growlers sighted.
12	4			28.91	29	W 5	do	Lt. haze; sea moderate.
12	8			28.89	31	NW 4	do	Occasional lt. snow. Maneuvering to avoid ice.
12	12	69 00	155 05 W	28.93	31	WSW 3	do	Lt. snow.
12	16			29.15	31	WSW 4	do	Passing many bergs and growlers; some pack ice.
12	20			29.19	29.7	W 4	do	
12	24			29.27	30	WSW 3	do	Occasional snow squalls. Numerous bergs and growlers sighted all day.
13	4			29.34	29	0	do	Lt. snow; lt. fog. Small floes, bergs, and growlers.
13	8			29.27	30	E 1	do	Misting. Maneuvering in close pack.
13	12	69 26	162 14 W	29.20	30	E 1	do	Maneuvering to avoid floes and bergs.
13	16			29.24	30	SE 1	do	
13	20			29.37	29	SE 2	Pt. Cldy	Many large icebergs.
13	24			29.46	30	WSW 1	do	In open water; only few bergs in sight. 69°08′ S—163°17′ W at 21h.
14	4			29.51	30	WNW 4	Cldy	Dn. fog from 1:43h to 2:20h. No ice sighted.
14	8	69 20	167 47 W	29.53	30	WNW 2	Pt. Cldy	2 bergs sighted.
14	12	69 41	169 08 W	29.52	32	WNW 4	Cldy	No ice in sight.
14	16			29.54	30	WNW 3	do	
14	20	70 46	170 27 W	29.51	31	WNW 2	do	Occasional lt. snow.
14	24			29.47	30	0	do	No ice sighted since 12h.
15	4			29.44	30	N 1	do	Occasional lt. snow.
15	8			29.38	31	NNE 1	do	
15	12	73 11	169 48 W	29.32	31	E 3	do	Lt. snow. No ice sighted.
15	16			29.22	30	ESE 4	do	Hvy. snow.
15	20			29.12	28	ESE 4	do	Occasional hvy. snow squalls.
15	24			28.98	28	ENE 6	do	Hvy. snow. Ship drifting. No ice sighted.
16	4			28.91	28	ESE 6	do	Hvy. snow.
16	8			28.93	29	SSE 4	do	Occasional hvy. snow squalls.
16	12	76 50	169 30 W	29.03	31	SSW 4	Pt. Cldy	
16	16			29.11	31	SW 5	do	A few small bergs.
16	20			29.17	28	SW 5	Cldy	Sea rough.
16	24			29.22	24	WSW 5	do	No ice sighted. Sea moderate.
17	4			29.25	20	SW 5	Pt. Cldy	Sea rough; no ice sighted.
17	8			29.36	16	SSE 2	Clr	Ross Ice Barrier visible at 6:15h.
17	12	In Bay of Whales		29.36	14	SSW 2	do	
17	15			29.34	20	SW 2	do	Ship moored to Bay ice at 23:30h.
18	2			29.34	2	SW 2	do	Unloading ship.
18	4			29.38	5	SSW 2	do	
18	8				11	SE 2	do	

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Remarks
1934	L. M. T.			Inches	°F.	From 0-12			
Jan. 18	16			29.45	19	SSE	1	Clr	
18	21			29.48	------	ESE	1	do	
18	23			29.48	10	ESE	1	do	
19	17			29.32	22	WSW	2	do	
19	20			29.26	9	WSW	2	do	
20	2			29.16	4	SW	5	do	
20	5			29.11	8	SW	3	do	
20	9			29.15	22	S	1	do	
20	18			29.16	16	SW	3	do	
20	20			29.15	10	SW	3	do	Clear during afternoon and night.
20	24			29.15	3	SW	3	do	Sun dogs observed at intervals during shower of ice crystals.
21	4			29.16	3	SW	2	do	Min. Temp. *Minus 1.*
21	8			29.16	6	WSW	3	do	
21	10			29.15	10	WSW	4	do	
21	16			29.16	17	WSW	2	do	
21	19			29.16	17	WSW	1	do	
22	23			29.00	4	ESE	4	Pt. Cldy	Hvy. sea smoke over Bay.
22	4			29.01	10	SE	5	Clr	Maneuvering in Bay.
22	8			29.12	16	ESE	4	do	
22	11			29.13	20	SSE	2	do	
22	18			29.15	24	WSW	1	do	Moored to Bay ice.
23	24			29.16	2	WSW	1	do	
23	1			29.16	0	WSW	1	do	Unloading ship.
23	6			29.16	8	WSW	1	do	
23	15			29.15	16	WSW	1	Pt. Cldy	
23	16			29.16	13	WSW	2	Cldy	
23	23			29.16	10	WNW	1	Pt. Cldy	High ACu and ASt during afternoon and night.
24	2			29.15	12	E	1	Cldy	Hvy. snow.
24	4			29.15	16	ESE	2	do	Sea rough.
24	9			28.01	21	ENE	3	do	Cruising in the Bay.
24	12			29.07	26	ENE	2	Pt. Cldy	Occasional hvy. snow squalls.
24	16			29.11	27	NE	2	do	Sea moderate.
24	20			29.19	25	ENE	3	do	
24	24			29.19	20	ESE	4	do	Cruising in the Bay. Large floes drifting in Bay.
25	4	In Bay of Whales		29.19	20	ESE	4	do	Occasionally hvy. snow squalls. Sea choppy.
25	8			29.21	18	ESE	4	do	
25	12			29.23	22	ESE	4	do	Maneuvering in Bay.
25	16			29.17	22	ESE	4	do	
25	20			29.15	16	ESE	4	do	Cloudiness varied from 4 to 8 tenths.
26	24			29.13	15	ESE	4	do	Sea choppy.
26	4			29.14	16	ESE	3	do	Cruising in Bay.
26	7			29.18	20	ESE	3	do	
26	8			29.16	19	S	2	do	
26	12			29.10	22	S	1	do	
27	15			29.06	30	SW	1	do	Moored to Bay ice.
27	4			29.04	14	WSW	1	do	Maneuvering in Bay.
27	8			29.08	20	WSW	2	do	
27	11			29.09	28	WSW	2	Cldy	
27	16			29.07	22	WSW	3	do	
27	20			29.15	17	WSW	3	do	
28	24			29.19	14	WSW	2	do	Ship drifting in Bay.
28	4			29.25	14	WSW	3	do	Lt. snow.
28	8			29.36	16	WSW	2	Pt. Cldy	Much ice in Bay.
28	12			29.39	19	WNW	2	do	Cruising in Bay.
28	16			29.40	19.5	WNW	1	do	
28	20			29.40	19		0	Cldy	Sea smoke forming along edge of Bay ice.
29	24			29.43	16	WSW	1		
29	4			29.45	12		0	Dn. Fog	Pancake ice forming in Bay.
29	7			29.41	19	NW	1	Pt. Cldy	Fog E. 6:20h.
29	12			29.37	25	WNW	1	do	
29	14			29.34	28	W	1	do	Moored to Bay ice.
30	24			29.22	19	ENE	1	Clr	Ci and CiSt prevailed during early afternoon.
30	1			29.22	13		0	do	
30	8			29.20	20	NE	1	do	Cruising in Bay. Bay filled with masses of broken pressure ice.
30	10			29.20	38	NE	1	do	From 1 to 3 tenths Ci and CiSt.
30	12			29.20	30	SW	1	do	Moored to Bay ice.
30	19			29.20	18	WSW	1	Cldy	
30	24			29.20	13	WSW	2	Pt. Cldy	*Bear of Oakland* sighted at 21:40h; moored alongside at 22:30h.
31	1			29.17	9	SW	1	Cldy	Unloading ship.
31	4			29.18	10	SW	2		
31	8			29.19	11	SW	1	Cldy	

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	*L. M. T.*			*Inches*	*°F.*	*From 0–12*		
Jan. 31	15			29. 22	18	SW 1	Pt. Cldy	
31	24			29. 28	------	SW 2	------	
Feb. 1	1			29. 28	------	SW 1	------	
1	8			29. 35	------	SW 1	------	
1	12			29. 37	------	SW 2	------	
1	17			29. 38	------	SW 1	------	
1	24			29. 38	−3	WSW 2	------	
2	2			29. 37	−3	WSW 4	------	
2	5			29. 36	------	WSW 3	------	
2	9			29. 34	------	WSW 2	------	
2	21			29. 28	6	WSW 2	------	
2	24			29. 27	3	WSW 2	------	
3	2			29. 26	3	WSW 2	------	
3	8			29. 23	4	WSW 2	------	
3	12			29. 20	5	WSW 2	------	
3	16	In Bay of Whales		29. 17	7	WSW 3	------	
3	20			29. 15	3	WSW 4	------	
3	24			29. 13	2	WSW 4	------	
4	4			29. 10	2	WSW 4	------	
4	8			29. 09	3	WSW 4	------	
4	12			29. 12	6	WSW 4	------	
4	16			29. 11	6	WSW 4	------	
4	20			29. 17	7	WSW 4	------	
4	24			29. 20	7	WSW 4	------	
5	4			29. 21	7	WSW 4	------	
5	8			29. 22	7	WSW 4	------	
5	12			29. 24	8	WSW 4	------	
5	16			29. 25	------	WSW 5	------	
5	22			29. 33	9	WSW 4	------	
5	24			29. 33	12	SW 3	------	Cast off Bay ice 22:10h. 1 iceberg and some floe ice sighted.
		° ′	° ′					
6	4	------	------	29. 48	16	SW 4	Pt. Cldy	Sea moderate.
6	8	------	------	29. 56	23	SW 3	do	Passed several icebergs.
6	12	76 46	170 15 W	29. 62	29	WNW 3	Cldy	
6	16	------	------	29. 61	29	WNW 3	Pt. Cldy	
6	20	------	------	29. 66	28	NNE 1	Cldy	
6	24	------	------	29. 56	27	NE 4	do	Some bergs and growlers in sight all day.
7	4	------	------	29. 42	28	ENE 6	do	Few bergs sighted.
7	8	------	------	29. 34	28	ENE 5	do	Lt. snow. No bergs sighted.
7	12	73 49	175 42 W	29. 32	30	SE 3	------	
7	16	------	------	29. 36	29	NE 2	Cldy	Heavy snow with fog.
7	20	------	------	29. 44	29	W 2	Pt. Cldy	Sea moderate.
7	24	------	------	29. 50	28	W 3	do	No ice sighted. Sea moderate.
8	4	------	------	29. 40	28	NNE 2	do	Vis. very good.
8	8	------	------	29. 44	30	ENE 3	Cldy	Vis. poor.
8	12	70 22	179 07 W	29. 37	32	NW 4	do	Occasional lt. snow.
8	16	------	------	------	32	NW 4	do	
8	20	------	------	29. 26	32	NW 4	Dn. Fog	
8	24	------	------	29. 28	29	WNW 5	Cldy	Occasional snow. Fog E. 20:58h. Sea rough. No bergs or growlers sighted all day.
10	4	------	------	29. 35	------	NW 4	do	Numerous bergs and growlers.
10	8	------	------	29. 49	------	WNW 4	do	Crossed 180th mer. from W. to E. longitude, thus losing Feb. 9.
10	12	66 55	178 07 E	29. 58	------	NW 4	do	
10	16	------	------	29. 43	34	ENE 3	do	Heavy snow. Lt. snow and rain at 14h.
10	20	------	------	29. 01	37	ENE 4	do	Raining.
10	24	------	------	28. 82	38	N 5	do	No ice sighted since 14:30h.
11	4	------	------	28. 69	37	WNW 7	do	Sea rough. Vis. poor. Passed several bergs.
11	9	------	------	28. 77	38	W 11	do	Mountainous sea; no ice in sight.
11	12	65 06	179 55 E	29. 05	39	W 10	do	
11	17	------	------	28. 99	38	W 10	do	Mountainous sea, violent squalls and poor visibility.
11	20	------	------	29. 03	36	W 10	do	
11	24	------	------	29. 34	36	WSW 10	do	
12	4	------	------	29. 61	34	WSW 9–10	do	Slight moderation in sea and wind.
12	8	------	------	29. 89	37	SW 6–7	do	Sea rough.
12	12	63 31	179 55 E	30. 03	40	WSW 4	Pt. Cldy	Vis. good; sea rather rough.
12	16	------	------	29. 99	39	NNW 3	Cldy	Misting.
12	20	------	------	29. 87	40	NNW 4	do	
12	24	------	------	29. 71	39	NNW	do	Lt. rain. No ice sighted all day. Occasional lt. fog; vis. poor.
13	4	------	------	29. 52	42	NNW 5	do	Heavy rain; vis. poor; sea rough.
13	8	------	------	29. 55	42	NNW 5	do	
13	12	61 07	178 72 E	29. 67	42	W 4	do	Foggy from 9h to 12h. Sea rather rough.
13	16	------	------	29. 74	42	WNW 2	do	
13	20	------	------	29. 77	42	WNW 2	do	

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L. M. T.	° ′	° ′	Inches	°F.	From 0-12		
Feb. 13	24			29.78	42	W 2	Pt. Cldy	No ice sighted all day.
14	4			29.81	42	WNW 3	do	
14	8			29.96	42	W 2	Cldy	
14	12	58 37	176 48 E	30.06	45	SW 3	do	Vis. good; sea moderate.
14	16			30.09	46	W 3	Pt. Cldy	
14	20			30.04	46	N 1	Cldy	
15	24			30.10	45	NE 1	Pt. Cldy	Sea smooth.
15	4			30.00	43	ENE 2	Cldy	
15	8			29.96	44	ENE 1	do	
15	12	55 50	174 55 E	29.85	52	NE 1	do	Foggy. Sea smooth.
15	16			29.76	50	0	do	Lt. rain since 12h.
15	20			29.76	47	SE 1	do	Occasional lt. rain.
16	24			29.70	47	WSW 1	do	Occasional fog.
16	4			29.75	46	WSW 2	do	
16	8			29.78	48	WSW 2	do	
16	12	51 59	173 08 E	29.82	54	NW 3	do	Occasional lt. rain.
16	16			29.83	54	W 4	Pt. Cldy	
16	20			29.95	51	W 3	Cldy	
17	24			29.97	50	W 2	Clr	Vis. good.
17	4			29.91	50	WNW 2	do	Do.
17	8			29.92	56	WNW 2	Pt. Cldy	
17	12	48 24	171 37 E	29.90	56	WNW 1	Cldy	Lt. rain since 10h.
17	16			29.87	53	WNW 1	do	Raining.
17	20			29.89	50	WNW 1	do	
18	24			30.01	51	WSW 4		
18	4			30.09	52	WSW 3	Clr	
	14			30.07				Arrived Port Chalmers at 11:40h.

TABLE 8.—*Meteorological observations on board the "Bear" from Dunedin New Zealand to the Bay of Whales, Jan. 20–31, 1934*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Relative humidity	Wind	Clouds	Remarks
					Air	Water				
1934	L.M.T.	° ′	° ′	Inches	°F.	°F.	Percent	From 0-12	0-10	
Jan. 20	9	46 45	174 14 E	29.85	54	52		SW 1		Took departure from Otago Heads at 1h.
20	24	48 37	171 25 E	29.80	52	51		NE 2		
21	12	49 45	171 34 E	29.61	50.0		74	ENE 2	1 CiSt NW, Few Ci NW, 7A St E, 1 Cu NE.	
21	16	50 14	171 37 E	29.53	49.2	48	73	ESE 2	5 Ci N, 3 CiSt N, Few ACu S, Few Cu S.	
21	20	50 42	171 41 E	29.51	47.8	46	75	ESE 2	1 Ci N, 3 ASt N, 4 StCu S.	
21	24	51 09	171 45 E	29.49	47.0		81	S 2		Drizzling.
22	4	51 23	171 48 E	29.46	45.3	47	88	S 4	10 StCu S	Drizzle E. about 3h.
22	12	52 21	171 55 E	29.48	44.8	48	67	SSW 4	Few Ci, 1 ASt, 2 StCu SSW.	Weather clearing. Lt. rain from 5:30h to 6:10h and from 7:30h to 8:30h.
22	16	52 47	171 59 E	29.47	44.1		70	SW 4	3 Cu SW	Weather fine.
22	20	53 12	172 04 E	29.45	44.0	46	68	SW 3	5 StCu SW, 1 Cu SW	
22	24	53 39	172 08 E	29.40	44.3	46	84	WSW 2	3 Cu W, 3 StCu W	
23	4	54 07	172 13 E	29.34	42.0	44.5	77	WSW 2	3 ACu NW, 1 StCu WSW.	Hvy. NE swell.
23	8:45	54 35	172 19 E	29.23	43.3	44.2	76	N 1	5 ACu NW, 4 ASt NW, Few Cu N.	
23	13	55 04	172 24 E	29.11	43.6	45	75	NE 3	10 StCu NE	
23	16	55 38	172 22 E	29.02	43.0	45	78	NE 4	do	
23	20	56 14	172 20 E	28.95	43.0	44.8	78	NE 5	do	Misting from 15:30h to 17:30h.
23	24	56 48	172 18 E	28.94	42.8	44.4	73	ENE 4	do	
24	4	57 21	172 16 E	28.96	42.0	45	71	E 3	Few Ci NW, 1 CiSt NW, 1 StCu SE.	
24	8	57 51	172 15 E	29.01		46.2		ESE 2	4 Cu SE	
24	12	58 17	172 13 E	29.05				SE 2		
24	16	58 43	172 34 E	29.06	39.3	42	89	SE 2	1 Ci 2 Cu SE, 1 CiCu NW.	
24	20	59 08	173 07 E	29.09	40.0		72	ENE 3	4 StCu E	Threatening in W.
24	24	59 32	173 38 E	29.10	40.0	40	76	ENE 3	4 StCu SE	
25	5:30	60 11	174 29 E	29.06	39.7		76	NE 4	10 St NE	
25	8	60 25	174 48 E	29.02	39.5		74	NE 4	10 ASt W	
25	12	60 52	175 24 E	28.99				ENE 5	10 ASt N	

TABLE 8.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales, Jan. 20–31, 1934*—Con.

Day	Hour	Latitude S.		Longitude		Pressure sea level	Temperature		Relative humidity	Wind		Clouds	Remarks
							Air	Water					
1934	*L.M.T.*	°	′	°	′	*Inches*	°*F.*	°*F.*	*Percent*	*From 0–12*		*0–10*	
Jan. 25	20	61	55	176	01 E	28.98	37.0	38.5	87	E	6	10 St E	Lt. rain from 19:45h to 20:10h.
25	24	62	24	176	16 E	29.00	35.5	------	93	E	6	do	Lt. rain with snow from 23:40h to 23:50h.
26	4	62	53	176	31 E	29.03	35.0	------	86	ESE	5	do	
26	8	63	15	176	43 E	------	------	------	------	ESE	5	do	
26	12	63	39	176	56 E	------	------	------	------	ESE	5	10 St ESE	Snow squall from 8:30h to 9h.
26	16	64	02	177	12 E	------	------	35.2	------	SE	5	do	First iceberg sighted.
26	20	64	25	177	30 E	------	------	------	------	SE	5	do	
26	24	64	45	177	45 E	29.20	32.2	------	91	SE	6	10 St SE	Snow squall from 22:30h to 23h.
27	16	66	16	178	41 E	29.30	31.0	33	------	SE	2	10 AST SE	Frequent squalls during forenoon.
27	20	66	43	178	44 E	29.35	30.6	------	82	SSW	2	10 ACu SW	
27	24	67	13	178	47 E	29.35	30.3	32	94	WSW	3	3 StCu SW	
28	4	67	40	178	50 E	29.35	31.0	------	87	W	2	5 ACu SW, 5 StCu W	
28	8	68	10	178	54 E	29.39	29.8	------	86	W	3	Few Ci, 9 StCu W	Snowing from 5h to 6h.
28	12	68	42	178	57 E	29.41	------	------	------	W	3	8 StCu W	
28	16	69	13	179	26 E	29.44	30.0	------	79	W	2	10 St W	
28	20	69	43	179	57 W	29.46	30.5	------	79	NW	3	10 St WNW	
28	24	70	15	179	15 W	29.47	29.2	31.5	94	W	5	10 St W	Overcast all day.
28	5	70	55	178	20 W	29.47	29.7	------	74	W	3	10 StCu W	Crossed 180th mer. from E to W longitude; hence second day dated Jan. 28.
28	8	71	17	177	49 W	29.50	30.5	------	78	NW	5	Few Ci (?), 8 StCu NW	Snowing from 5:25h to 6h and from 6:40h to 7h.
28	12	71	46	177	07 W	29.50	29.0	31.7	74	W	3	Few ASt NW, Few StCu W.	
28	16	72	16	176	15 W	29.52	31.0	------	79	NW	3	Few Cu NW	
28	20	72	42	175	33 W	29.50	30.7	------	69	W	2	Few Ci NW, 3 StCu W	
28	24	73	10	174	35 W	29.48	31.2	------	94	W	2	Few Ci NW, 7 StCu NW.	Clear, bright weather during afternoon and evening.
29	4	73	39	173	40 W	29.45	31.0	------	63	W	1	Few Ci, 9 StCu SSE, 1 Ci W, 6 ASt W, 2 Cu NE.	
29	8	74	06	172	48 W	29.40	32.0	------	69	NE	2	------	
29	12	74	26	172	07 W	29.37	31.3	------	76	ENE	1	Few Ci, 6 CiSt, 3 Cu E	
29	16	74	56	171	17 W	29.31	3p.5	------	74	ENE		1 CiSt NW, 5 ACu NW, Few CiCu NW, 3 Cu SE.	
29	20	75	26	170	29 W	29.26	29.6	32	78	ENE	2	Few Ci NW, 4 ACu NW, 4 StCu SE	
29	24	75	56	169	38 W	29.22	30.7	------	68	SE	1	5 ACu NW, 5 StCu SE	Many icebergs sighted.
30	8	76	53	167	57 W	29.20	29.6	------	74	E	2	Few Ci, 4 ACu SE, Few ASt SE, 1 Cu E.	
30	12	77	21	167	07 W	29.20	28.6	------	79	E	3	4 StCu E	Snowing from 10:30h to 10:45h.
30	16	77	49	166	10 W	29.20	26.6	------	69	SSE	2	1 StCu SE	
30	20	78	15	165	17 W	29.20	18.6	------	98	S	2	4 ACu W, 1 StCu S	Hvy. sea smoke to SW. Barrier visible.
30	24	78	32	164	06 W	29.20	10.0	------	------	SSE	2	8 StCu SE	Moored to the *Jacob Ruppert* at 22:30h.
31	9	Bay of Whales				29.20	12.0	------	96	SSE	2	do	
31	12					29.21	13.5	------	90	S	2	Few Ci, Few StCu S	

TABLE 9.—*Meteorological observations on board the "Bear" during the cruise from the Bay of Whales to the eastward and return, Feb. 6–15, 193*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Relative humidity	Wind	Clouds	Remarks
1934	L. M. T.	° ′	°	Inches	°F.	Percent	From 0–12	0–10	
Feb. 6	24			29. 54	20. 8	78	NE 1	Few ASt	Cast off from Bay ice at 19:30h.
7	6			29. 41	29. 5	80	E 5	do	77°50′ S, 161°21′ W at 4h.
7	12	76 59	159 05 W	29. 29	23. 5	60	S 6	Few ASt S	77°27′ S, 160°14′ W at 8h.
7	19			29. 14	22. 0	90	SSW 4	8 ACu S	76°59′ S, 157°20′ W at 16h.
7	24	76 31	154 40 W	29. 19	26. 2	83	N 2	3 ACu (?), 7 StCu N.	Occasional gusts up to force 8 in early afternoon. 76°52′ S, 156°00′ W at 20 h.
8	6			29. 25	27. 4	92	N 2	10 StCu N	76°10′ S, 153°33′ W at 4h.
8	12	75 43	151 00 W	29. 33	27. 2	92	NE 3	10 St NE	75°50′ S, 152°10′ W at 8h. 10:45h stopped by impenetrable pack lying to E.
8	18			29. 39	26. 2	92	E 2	Few Ci W, 5 StCu E.	Snowing from 10:30h to 17h. 75°30′ S, 149°47′ W at 16h. Stopped at 15:10h by impenetrable ice pack filled with large number of tabular bergs, extending unbroken to NE, E, and S.
8	24	74 59	149 37 W	29. 39	26. 3	79	NE 1	10 StCu SSW	At 19:15h stopped by impenetrable pack, extending unbroken to NE, E, and S. Position 75°12′30″ S—148°18′ W at 19:15h; 75°12′ S—148°20′ W at 20h.
9	6			29. 33	26. 1	94	SW 2	6 ACu SW, 3 St.	Met impenetrable pack at 0:30h, swung ship to SW, then NW. At 0:45h began working to E; pack very hvy. hummocked. Working through narrow leads with difficulty. 5h, unable to gain further easting; met unbroken pack at 4h extending far to E; 75°06′ S—148°31′ W.
9	12	75 30	150 17 W	29. 32	27. 0	70	SSE 3	8 ACu SSW	75°11′30″ S—149°21′ W at 8h.
9	20	75 08	153 21 W	29. 33	27. 0	80	WSW 3	4 StCu WSW	At 12:37h began swinging ship to NW to skirt pack, made renewed attempt to turn eastward. Began making northing at 18:35, having gone westward to 153° W. Pack very hvy. and leads very small. Many tabular bergs of immense proportions. 75°23′ S—152°05′ W at 16h.
9	24	74 42	152 50 W	29. 35	27. 0	82	SW 3	3 StCu SW	Vessel in pack most of day. Sea very calm.
10	6			29. 35	28. 4	78	SW 2	1 CiCu SW	74°34′ S—153°56′ W at 4h.
10	12	74 13	154 05 W	29. 29	29. 0	69	0	5 Ci Wor NW, Few Cu W.	74°33′ S—155°00′ W at 8h.
10	18:45			29. 20	28. 0	71	NE 4	10 StCu NE	Forced off to NE at 12:38h by closed pack; following leads in that direction. Hvy. hummocked ice. Many bergs. 73°54′ S—153°08′ W at 16h.
10	23:45	73 24	151 11 W	29. 16	27. 5	70	ENE 6	10 StCu	73°32′ S—152°22′ W at 20h. Mild and balmy until 16h, then low overcast moved in and wind increased. Low pressure area evidently north of us. The *Ruppert* reports high NW winds. Sea slight, owing to vessel being in pack ice throughout the day.
11	6			29. 13	29. 2	94	E 5	10 St E	Snowing. Working through hvy. closed pack, attempting to gain northing and easting at 6:30h. 73°23′ S—150°16′ at 4h. Wind increased to force 6h at 5h.
11	12	73°11′30″	149 52 W	29. 18	29. 5	82	E 6	do	Forced off to SE at 12:08h by hvy. unbroken, hummocked pack. Farthest easting obtained this date was at 7:20h; position 73°22′ S—149°34′ W. 73°22′ S—149°47′ W at 8h.
11	19			29. 33	29. 0	87	ESE 3	10 StCu ESE	Drizzling from 8 to 18h. 73°14′ S—151°15′ W at 16h.
11	24	73 12	153 58 W	29. 43	28. 3	84	SE 3	10 StCu SE	73°11′30″ S—152°45′ W at 20h.
12	6			29. 48	28. 8	95	SE 2	do	73°18′ S—155°26′ W at 4h.
12	12	73 35	157 30 W	29. 47	28. 5	82	ESE 2	10 St ESE	73°18′ S—156°25′ W at 8h.
12	18			29. 35	28. 8	89	E 3	10 StCu E	Snowing from 17:30 to 18h. Ship forced off to SE at 17:30h by hvy. hummocked, closed pack. 74°00′ S—157°28′ W. at 16th.

TABLE 9.—*Meteorological observations on board the "Bear" during the cruise from the Bay of Whales to the eastward and return, Feb. 6–15, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Relative humidity	Wind	Clouds	Remarks
1934	*L. M. T.*	° ′	° ′	*Inches*	*°F.*	*Percent*	*From 0–12*	*0–10*	
Feb. 12	24	74 35	155 40 W	29.33	28.0	93	NE 2	10 St NE	Hvy. mist from 22h to 23:30h. Ship maneuvering in pack ice all day. 74°20′ S—156°52′ W at 20h.
13	6			29.30	29.6	97	N 1	10 StCu N	Rain B. 3:15h, changing to snow at 4h. Misting until 5:15h. Swung to eastward at 3:30h on various courses to avoid ice pack to W. Forced off to N at 4h. Making good course SSW at 6h through hvy. hummocked, pack with few leads. 74°41′ S—155°23′ W at 4h.
13	12	75 08	155 35 W	29.30	30.0	95	E 3	10 St E	Forced off course to NW at 9:50h to gain open water. Swinging wide to SE at 10:20h in search of open leads. 74°58′ S—155°41′ W at 8h.
13	18:45			29.34	29.5	94	SE 2	do	Swinging ship to southerly courses at 17:50h following lead which appears favorable. 75°27′ S—155°34′ W at 16h.
13	24	75 40	156 17 W	29.37	29.0		S 2	10 St NE	Ship being driven to utmost at 23:40h, constantly backing and ramming a narrow passage through flows. Snow from 9h to 22h. 75°40′ S—155°31′ W at 20h.
14	8	76 04	158 04 W	29.37	30.0		S 2	9 ASt W	Clear of pack at 1:30h. Working to NW at 5:30h. Swung to SW at 6:28. 75°52′ S—156°52′ W at 4h.
14	12	76 18	158 58 W	29.37	29.9	91	WSW 2	9 ASt, 1 StCu S	Steaming on outer edge of ice pack.
14	18:45			29.33	23.0	96	S 2	10 St Cu SW	Snow B. 16h. 76°47′ S—159°51′ W at 16h.
14	24	77 52	161 58 W	29.32	16.0	90	S 3	1 ASt, 5 StCu S, Few Ci.	Snow E. 23h. New ice forming in Ross Sea. 77°20′ S—160°55′ W at 20h.
15	6	78 26	163 37 W	29.31	14.1	74	0	5 St SW	Sea covered with new ice. Sea smoke. 78°07′ S—162°30′ W at 2h. 78°17′ S—163°07′ W at 4h. Arrived Bay of Whales and secured to Bay ice at 9h.

TABLE 10.—*Meteorological observations on board the "Bear" from Bay of Whales into the Ross Sea and return, Feb. 19–25, 1934*

Day	Hour	Latitude S.	Longitude	Pressure, sea level	Air temperature	Wind	Cloudiness	Remarks
1934	*L.M.T.*	° ′	° ′	*Inches*	*°F.*	*From 0–12*	*0–10*	
Feb. 19	8	77 30	164 06 W	29.40	10	SSE 6	4	Underway from bay ice foot at 23:10h. Entered lanes of pancake ice and slush at 1:45h.
19	12	76 58	164 12 W	29.34	20	SSE 4	10	Overcast since 9h. Occasional bergs and growlers.
19	20	76 06	164 23 W	29.22	26	ENE 4	10	Snowing at 14h.
19	24	75 38	164 30 W	29.20	26	NNE 4	10	
20	4	75 10	164 42 W	29.13	27	E 4	10	
20	8	74 38	164 49 W	29.09	27	E 4	10	
20	12	74 31	165 58 W	29.09	27	E 4	10	Entering pack ice.
20	16	74 17	167 16 W	29.10	28	ESE 3	10	
20	20	73 58	168 15 W	29.10	28	ESE 3	10	
20	24	73 52	170 02 W	29.13	27	ESE 2	10	Maneuvering in pack ice.
21	4	73 18	170 23 W	29.10	27	ESE 2	10	
21	8	72 57	171 15 W	29.09	27	ESE 2	10	
21	12	72 36	172 05 W	29.07	27	ESE 2	10	Clear of pack at 11:15h. In loose, old pack at 12h.
21	16	72 16	171 35 W	28.99	27	SE 1	10	Snowing. Maneuvering in ice pack.
21	20	72 05	171 00 W					Met and moored to B. R. R. S. *Discovery II*.
22	12	72 02	171 21 W					Cast off from B. R. R. S. *Discovery II* at 12:01h.
22	16			28.88	27		0 9	
22	20			28.88	26	ESE 1	10	Entered moderate ice pack, 12:35h. Inside the pack 19:20h.
22	24			28.94	25	ESE 1	7	
23	8	74 15	172 04 W	29.03	27	ENE 3	8	Open sea. Skirting ice pack.
23	12	74 36	171 21 W	29.13	27	ESE 3	10	No ice visible.
23	16	74 55	170 49 W	29.21	26	ESE 7	9	Sea clear of ice. Wind at gale force.
23	20	75 16	170 10 W	29.27	26	ESE 7	9	
23	24	75 35	169 38 W	29.36	24	SSE 6	10	Occasional tabular bergs. Overcast all day.
24	4	75 53	169 05 W	29.43	23	SSE 6	9	Sea clear of ice.
24	8	76 12	168 29 W	29.48	20	SSE 6	9	
24	12	76 33	167 46 W	29.53	20	SSE 5	9	
24	16	76 52	167 10 W	29.53	17	SSE 6	9	

TABLE 10.—*Meteorological observations on board the "Bear" from Bay of Whales into the Ross Sea and return, Feb. 19–25, 1934*—Continued

Day	Hour	Latitude S.	Longitude	Pressure, sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L.M.T.	° ′	° ′	Inches	°F.	From 0–12	0–10	
Feb. 24	24	77 30	165 45 W	29.52	16	S 5	8	Max. pressure 29.55h at 21h. Overcast all day. Many icebergs and growlers sighted.
25	4	77 49	164 58 W	29.47	7	S 4	7	Encountered lanes of pancake ice at 1:45h, at times reaching considerable size and thickness. Occasional growlers and icebergs.
25	10	77 52	164 52 W	29.42	6	WSW 3	9	Hove to in open pancake ice 25 miles NW Bay of Whales.
25	12	77 52	164 52 W	------	------	S 3	10	
25	20	------	------	29.36	------	SSW 2	7	Steaming through pack ice and newly frozen pancake ice. Position at 23h, 78°28′ S—163°40′ W.
25	24	------	------	29.36	−12	SSW 2	2	Entered Bay of Whales 23:15h.

TABLE 11.—*Meteorological observations on board the "Bear" from Bay of Whales to Dunedin, New Zealand, Feb. 26 to Mar. 12, 1934*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L.M.T.	° ′	° ′	Inches	°F.	From 0–12	0–10	
Feb. 26	12	------	------	29.33	4	ENE 3	5	Cast off from Bay ice at 8:35h. Hvy. pancake ice.
26	16	------	------	29.38	18	NE 1	10	Newly frozen ice.
26	20	77 54	166 30 W	29.38	28	N 1	10	Clear of newly frozen ice at 5h.
27	24	77 33	168 06 W	29.40	28	NW 2	10	Occasional icebergs and growlers.
27	4	77 10	169 51 W	29.38	25	NNW 3	9	Occasional growlers.
27	8	76 46	171 30 W	29.30	25	NE 6	9	
27	12	76 23	173 10 W	29.29	29	NE 4	10	
27	16	76 05	174 34 W	28.13	29	ENE 4	9	
27	20	75 45	175 58 W	28.03	29	ENE 5	10	
28	24	75 25	177 27 W	28.99	27	ENE 6	10	Frequent snow squalls during day.
28	4	75 05	178 55 W	28.81	29	ESE 6	10	Snow flurries and fog. No ice sighted.
28	8	74 36	179 46 W	28.80	29	ESE 6	10	Snowing. Sea rough.
28	12	74 06	179 45 E	28.93	29	SE 6	10	Snowing. Occasional icebergs and growlers sighted.
28	16	73 33	179 38 E	28.97	28	SE 5	9	
28	20	73 03	179 32 E	29.07	28	SE 5	9	
28	24	72 31	179 29 E	29.13	29	SSW 4	10	
Mar. 2	4	72 02	179 30 E	29.16	29	SW 3	10	Crossed 180th mer. from W to E longitude; hence lose Mar. 1, 1934. No ice sighted.
2	8	71 34	179 30 E	29.22	29	W 3	10	
2	12	71 08	179 30 E	29.24	32	NNW 3	9	Snow squall at 10h.
2	16	70 46	179 35 E	29.17	32	N 3	9	
2	20	70 20	179 39 E	29.06	30	NE 5	10	
2	24	69 59	179 41 E	28.73	29	E 10	10	Snowing since 21h.
3	4	------	------	28.32	29	SE 10	10	Snow and sleet. Hvy. sea.
3	8	69 40	179 26 E	28.07	29	SE 11	10	Ship hove to. High wind, sleet and snow.
3	12	69 35	179 23 E	27.99	29	ESE 8	10	Snowing.
3	16	69 09	179 10 E	28.03	31	S 5	10	Snowing. Underway since 12:25h.
3	20	68 33	178 53 E	28.38	30	S 7	10	
4	24	68 14	178 57 E	28.79	29	SSW 10	10	
4	4	67 58	179 23 E	29.06	29	SW 7	9	Field of icebergs sighted ahead at 2:58h.
4	8	67 33	179 11 E	29.28	29	SW 3	9	Maneuvering between icebergs until 7h.
4	12	67 15	178 55 E	29.31	29	NE 2	10	Occasional icebergs and growlers.
4	16	66 48	178 25 E	29.17	29	N 8	10	2 large bergs sighted at 15:30h.
4	20	66 25	177 32 E	28.96	30	N 8	10	
5	24	66 05	176 49 E	28.81	30	NNW 5	10	Snow from 20:40h to 22:45h. No ice sighted.
5	4	65 48	176 10 E	28.89	31	NW 5	10	
5	8	65 34	175 35 E	28.94	31	NW 3	10	
5	13	65 14	174 49 E	28.98	33	NNW 3	10	No icebergs sighted. Maximum pressure 29.00h at 12h.
5	18	64 51	173 57 E	28.88	33	SE 2	10	Dn. fog since 15h.
5	21	64 36	173 22 E	28.85	31	ESE 2	10	Snowing. Dn. fog E. 21h.
6	24	64 20	172 47 E	28.84	30	SW 3	10	Lt. snow.
6	4	63 56	172 17 E	28.87	31	SW 4	9	1 iceberg sighted.
6	8	63 30	171 42 E	28.96	31	SW 3	9	
6	12	63 08	171 14 E	29.04	36	NNW 2	10	
6	16	62 46	170 48 E	29.03	35	N 3	10	
6	20	62 21	170 20 E	29.00	34	N 2	10	
7	24	61 57	169 52 E	28.99	34	ENE 3	4	
7	4	61 29	169 22 E	28.92	35	ENE 3	2	Sudden squall from 2:30h to 3:30h.
7	8	60 55	169 17 E	28.83	36	E 5	2	
7	12	60 23	169 12 E	28.65	36	ESE 8	10	Rain from 10h to 16h.
7	18	59 36	169 08 E	28.57	34	S 7	10	
8	24	58 48	169 11 E	28.70	36	S 5	10	
8	4	58 10	169 21 E	28.87	36	SW 8	10	Wind increasing to gale force.
8	8	57 35	169 31 E	28.99	35	SW 10	10	Sea very high and rough.
8	12	57 03	169 40 E	29.08	35	SW 10	10	
8	16	56 27	169 49 E	29.15	35	SW 8	10	

TABLE 11.—*Meteorological observations on board the "Bear" from Bay of Whales to Dunedin, New Zealand, Feb. 26 to Mar. 12, 1934*—Con.

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	*L.M.T.*	° ′	° ′	*Inches*	°*F.*	*From 0–12*	0–10	
Mar. 8	20	55 55	169 57 E	29.19	36	SW 5	10	
8	24	55 25	170 05 E	29.21	35	NNW 3	9	
9	4	54 59	170 07 E	29.11	36	NNE 3	7	Lt. fog until 8h.
9	8	54 33	170 07 E	29.12	36	NNE 2	3	
9	12	54 10	170 07 E	29.15	38	ENE 2	10	Lt. rain since 9h.
9	15	53 51	170 07 E	29.19	40	WNW 3	10	
9	20	53 19	170 13 E	29.35	40	SW 10	10	Rain with wind at gale force since 17h. Sea rising and very rough.
9	24	52 47	170 18 E	29.45	39	SW 10	5	Gale and squalls continue.
10	4	52 13	170 25 E	29.51	38	WSW 7	6	Rain and squalls until 3h.
10	8	51 42	170 30 E	29.54	38	WSW 6	8	
10	12	51 15	170 36 E	29.54	40	W 5	10	Squalls at 9h.
10	16	50 47	170 38 E	29.49	43	W 6	10	Squalls since 14h.
10	20	50 23	170 37 E	29.50	43	W 8	10	Minimum pressure 29.46 at 18h. Sea rough.
10	24	50 01	170 35 E	29.58	42	W 5	9	Continued wind and rain squalls.
11	4	49 31	170 33 E	29.63	40	WSW 5	4	
11	8	48 59	170 31 E	29.67	42	SW 3	4	
11	12	48 31	170 29 E	29.66	47	W 2	2	
11	18	47 53	170 29 E	29.60	46	W 1	4	
11	20	47 39	170 32 E	29.61	46	W 1	4	
11	24	47 06	170 39 E	29.64	40	W 1	3	
12	4	46 34	170 46 E	29.71	42	WSW 4	6	
12	8	46 04	170 52 E	29.78	42	WSW 9	10	Hvy. squall.
12	12	-------	-------	29.96	42	SW 6–9	10	Intermittent rain and wind squalls.
12	14	-------	-------	30.00	42	SW 8	8	Dropped anchor 15:37h.

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	*From 0–12*	*0–10*	
Jan. 2	20	46 08	170 56 E	29.46	------	SSE 1	10	Dn. fog since 15h. Cast off from Dunedin at 13:15h.
2	24	-------	-------	29.47	------	S 1	10	Dn. fog.
3	4	46 42	171 04 E	29.43	------	SSE 2	10	Fog cleared at 3h.
3	8	46 56	171 08 E	29.51	------	ESE 3	10	
3	12	47 10	171 14 E	29.58	------	SSW 3	10	
3	16	47 32	171 26 E	29.59	------	SW 3	10	
3	20	47 53	171 38 E	29.62	51	SW 3	10	Hvy. overcast.
3	24	48 07	171 45 E	29.69	47	SW 5	10	Passing showers.
4	4	48 33	172 01 E	29.73	48	SSW 5	10	Hvy. overcast. Moderate squalls.
4	8	48 49	172 12 E	29.83	48	SSW 3	10	Squalls. Sea rough.
4	12	49 07	172 24 E	29.87	55	SSW 3	5	Lt. squalls. Sea continues rough.
4	16	49 29	172 40 E	29.87	50	WSW 2	9	
4	20	49 51	172 56 E	29.87	50	WSW 2	8	
4	24	50 15	173 12 E	29.88	47	SSW 4	9	Hvy. squalls with rain since 20:30h.
5	4	50 37	173 30 E	29.87	46	SSW 4	9	Continued squalls.
5	8	50 55	173 44 E	29.93	53	SSW 3	9	Squalls continue.
5	12	51 14	173 55 E	29.93	49	SSW 3	9	Vis. good.
5	16	51 38	174 15 E	29.91	49	WSW 3	9	Occasional mist.
5	20	52 05	174 29 E	29.90	49	SW 3	8	
5	24	52 35	174 42 E	29.91	46	SSW 3	10	Passing showers.
6	4	53 02	174 55 E	29.88	46	SW 3	10	Sea smooth.
6	8	53 26	175 02 E	29.87	46	SW 4	10	Squalls with rain.
6	12	53 47	175 11 E	29.79	45	W 4	10	Continued squalls.
6	16	54 19	175 20 E	29.73	47	WSW 3	10	Drizzling.
6	20	54 50	175 30 E	29.66	47	WSW 3	10	Do.
6	24	-------	-------	29.64	45	W 3	10	Lt. squalls.
7	4	55 47	175 47 E	29.60	49	WSW 1	10	Lt. fog.
7	8	56 10	175 54 E	29.60	45	WSW 1	10	Dn. fog.
7	12	56 35	176 02 E	29.56	44	NNE 2	10	Lt. fog until 15h.
7	16	57 04	176 03 E	29.41	43	ENE 3	10	Raining.
7	24	58 06	176 04 E	29.08	44	N 4	10	Do.
8	4	58 34	176 06 E	28.98	44	NNW 2	10	Dn. fog since 3h. Lt. rain.
8	8	59 00	176 12 E	28.86	44	NNW 2	10	Lt. rain. Dn. fog.
8	12	59 30	176 20 E	28.71	43	N 2	10	Hvy. rain. Fog cleared at 11h.
8	16:20	60 00	176 28 E	28.63	44	N 1	10	Rain E. 13h. Dn. fog since 14h.
8	20	60 22	176 34 E	28.60	43	N 1	10	Dn. fog.
8	24	60 45	176 40 E	28.62	39	NNE 1	10	Do.
9	4	-------	-------	28.66	38	SE 1	------	Fog clearing.
9	8	61 15	176 50 E	28.78	37	ENE 5	------	Lt. rain.
9	12	61 27	177 01 E	28.94	37	E 7	------	Lt. rain changing to snow at 10h.

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	L. M. T.	° ′	° ′	Inches	°F.	From 0-12	0-10	
Jan. 9	16	-------	----------	29. 03	36	E 8	------	Overcast; squalls. Sea hvy. Ship hove to in gale.
9	20	-------	----------	29. 16	37	E 8	------	Ship drifting.
10	24	-------	----------	29. 30	36	ESE 8	------	Gale reached force 9 at 23h.
10	4	-------	----------	29. 39	37	E 8	------	
10	8	61 41	177 46 E	29. 52	35	E 5	9	Sea heavy.
10	12	61 59	177 45 E	29. 58	35	SE 5	9	Occasional lt. snow from 9h to 10h.
10	20	62 27	177 45 E	29. 66	35	SE 3	9	Lt. snow.
11	24	62 51	177 45 E	29. 72	34	SE 2	8	Hvy. snow.
11	4	63 11	177 41 E	29. 77	34	SE 1	9	Sighted first iceberg at 1:15h. Lt. snow squalls.
11	8	63 32	177 48 E	29. 80	34	S 1	10	Sighted iceberg at 2h.
11	12	63 58	178 00 E	29. 85	33	WSW 1	10	Passed a few icebergs.
11	16	64 25	178 11 E	29. 86	33	SSW 1	10	Sea smooth; sighted several icebergs.
11	20	64 54	178 23 E	29. 87	31	SW 2	10	
12	24	65 26	178 38 E	29. 86	31	W 2	10	Occasional snow squalls. Passed several icebergs.
12	4	66 00	178 58 E	29. 82	31	W 2	10	Lt. snow, 0h–4h. Passed several small icebergs.
12	8	66 33	179 14 E	29. 79	31	W 2	10	Occasional lt. snow, 4h to 8h.
12	12	67 06	179 28 E	29. 75	33	WSW 1	10	Snowing. Sighted a few icebergs and patches of pack ice.
12	17	67 27	179 52 W	29. 68	31	WSW 1	6	Snowing Sighted Scott Island 13h.
12	20	67 50	179 50 W	29. 64	30	WSW 1	6	Snowing.
12	24	68 18	179 47 W	29. 55	30	SW 2	10	Small patches of loose pack ice.
12	4	68 43	179 47 W	29. 53	32	S 2	6	Occasional lt. snow, 0h–4h. Passed 1 iceberg. Crossed 180th mer.; thus, second day dated Jan. 12.
12	8	69 03	179 47 W	29. 50	33	S 2	6	
12	12	69 24	179 47 W	29. 52	34	SSW 3	7	
12	16	69 45	179 47 W	29. 56	33	SSE 2	6	
12	20	70 05	179 48 W	29. 56	33	S 2	5	
13	24	70 28	179 49 W	29. 57	33	S 2	4	No ice sighted.
13	4	70 51	179 50 W	29. 57	33	SSE 2	6	
13	8	71 15	179 50 W	29. 58	31	SSE 1	4	
13	12	71 36	179 50 W	29. 59	33	S 2	6	
13	16	71 46	179 12 E	29. 58	32	S 2	4	
13	20	71 59	177 54 E	29. 57	33	S 2	5	
15	24	72 11	176 41 E	29. 57	31	S 2	10	Sea calm. No ice sighted all day.
15	4	72 22	175 30 E	29. 53	32	SW 0–1	4	Crossed 180th mer., W to E longitude; hence, lose Jan. 14
15	8	72 36	174 07 E	29. 55	31	SSE 0–1	5	
15	12	72 48	172 53 E	29. 56	34	SSE 1	6	
15	16	72 58	171 32 E	29. 54	37	SW 1	6	Approaching coast of Antarctica. No ice sighted, 0h–16h.
15	20	73 16	170 53 E	29. 50	38	WNW 1	8	Passed through lane of loose pack ice, 17:10h to 17:22h.
16	24	73 38	170 57 E	29. 52	31	SSE 2	8	Entered pack ice at 23:45.
16	4	-------	----------	29. 48	35	SW 2	5	Cleared pack at 1:20h. 73°33′ S—170°20′ E at 2h.
16	8	74 03	171 16 E	29. 49	35	SSW 2	6	Passed large field of pack ice; open water to south.
16	12	74 23	170 20 E	29. 51	48	NW 1	8	Sighted Franklin Island at 9:40h.
16	16	74 42	169 20 E	29. 51	35	SE 2	8	Rounding field of pack ice. Sea smooth.
16	20	-------	----------	29. 55	35	SE 2	8	Passing field of pack ice.
17	24	-------	----------	29. 58	31	S 3	8	Lt. snow since 23h. 75°13′ S—169°37′ E at 22h.
17	4	75 44	169 06 E	29. 59	30	S 1	8	Occasional lt. snow, 0h–4h.
17	8	76 07	168 47 E	29. 59	30	S 1	8	Intermittent hvy. snow, 4h–8h.
17	12	76 34	168 29 E	29. 66	37	SE 1	8	
17	16	76 58	168 35 E	29. 66	55	NE 1	6	Cape Crozier ahead. 2 small bergs in sight.
17	20	77 20	169 08 E	29. 60	34	WNW 1	8	Following edge of pack ice.
18	24	77 25	170 34 E	29. 58	35	NW 1	9	
18	4	77 35	172 19 E	29. 57	32	NW 1	8	Vessel cruising along northern edge of Ross Ice Barrier.
18	8	77 45	174 03 E	29. 56	34	NW 1	8	Vy. little broken ice; no bergs.
18	12	77 58	176 07 E	29. 56	36	S 1	8	Some small growlers. Sea calm.
18	16	78 09	177 34 E	29. 52	37	NW 1	8	
18	20	78 11	179 47 E	29. 46	35	NW 1	9	
18	24	78 11	178 03 W	29. 42	24	SW 1	9	No loose ice.
18	4	78 16	176 00 W	29. 40	20	S 1	10	Cruising along edge of Ross Ice Barrier. Crossed 180th mer., E to W longitude; thus, second day dated Jan. 18.
18	8	78 18	174 10 W	29. 40	19	S 1	10	
18	12	78 19	172 10 W	29. 38	20	S 1	9	Passed a group of bergs at 10:30h.
18	16	78 19	170 14 W	29. 35	22	S 1	10	In Discovery Inlet. No ice in Inlet.
	20	78 14	170 48 W	29. 34	21	S 1	10	Entered pack ice at 16:43h, close to barrier to gain easting and pick-up trail party camped on bay ice. Out of ice at 17:45h.
18	24	-------	----------	29. 34	22	SE 1	10	No loose ice. 78°09′ S—170°04′ W at 23h.
19	4	78 20	167 17 W	29. 32	19	SE 1	9	Steaming along Ross ice barrier.
19	8	78 25	165 20 W	29. 33	21	SE 1	9	
19	12	Bay of Whales		29. 37	21	NNE 1	9	Ship fast to bay ice in Bay of Whales at 11:30h.
19	20			29. 43	23	ESE 1	------	
20	24			29. 46	22	ESE 1	------	
20	4			29. 48	22	E 3	------	
20	8			29. 54	23	E 2	3	
20	12			29. 58	24	E 2	5	
20	16			29. 58	29	ESE 1	------	
20	20			29. 62	24	ESE 1	------	

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Remarks
1935	*L. M. T.*	° ′	° ′	*Inches*	*°F.*	*From 0–12*		*0–10*	
Jan. 20	24			29.68	24	ESE	1	------	
21	4			29.70	16	S	1	------	
21	8			29.76	22	SSW	1	------	
21	12			29.81	28	SW	1	------	Bay clear of all detached ice.
21	16			29.83	32	W	1	------	
21	20			29.89	28	W	1	------	
21	24			29.94	22	W	1	------	
22	4			29.92	22	WSW	2	------	
22	8			29.97	25	SW	1	------	Bay ice breaking away in large floes.
22	12			29.97	40	N	1	------	Steaming in Bay to keep clear of ice floes.
22	16			29.96	34	WNW	1	------	
22	20			29.94	30	NW	1	10	
22	24			29.91	26	NNW	1	10	
23	4			29.85	30	N	3	10	
23	8			29.77	31	NE	4	10	Snowing since 7h.
23	12			29.69	31	NW	3	10	Continued hvy. snow, 8h–12h.
23	16	Bay of Whales		29.60	32	NW	2	10	Hvy. snow 12h–16h.
23	20			29.57	32	NW	2	10	Snowing 16h–20h.
23	24			29.54	30	NW	2	10	Continuous snow, 20h–24h. Icebergs drifting into Bay of Whales.
24	4			29.50	32	NW	2	10	Hvy. snow 0h–4h.
24	8			29.48	32	NW	2	10	Lt. snow 4h–8h.
24	12			29.48	32	NW	1	10	Lt. snow 8h–12h.
24	16			29.46	33	N	2	------	Snow E. 14h. Sky clearing.
24	20			29.46	32	NNW	2	------	
24	24			29.48	29	NNE	1	------	Ice drifting out around West Cape.
25	4			29.48	33	NE	1	------	
25	8			29.50	32	NE	2	------	Bay still full of ice.
25	12			29.46	34	ENE	4	------	
25	16			29.41	28	E	4	------	
25	20			29.37	30	E	3	10	Drifting in the Bay, waiting for loose ice to move out.
25	24			29.28	26	ESE	6	10	Continuous hvy. snow since 21h.
26	4			29.21	29	ESE	7	10	Hvy. snow falling, 0h–4h. Steaming and drifting in lee of barrier, riding out easterly gale.
26	8			29.17	30	ENE	6	10	Snowing, 4h–8h.
26	12			29.17	34	NNE	6	10	Continuous snow, 8h–12h. Ice closing in on ship; steering for open water.
26	20	Outside Bay of Whales		29.21	31	ENE	6	10	Snow E. at 13h. Fog at 14h. Rain from 15h to 16h. Sleet from 18h. Sighted the *Jacob Ruppert* to eastward at 16:05h.
26	24			29.26	32	NNE	5	10	Occasional snow and sleet until 23h.
27	4			29.28	32	NE	3	------	Hove to outside Bay of Whales. Several bergs visible.
27	8			29.34	33	N	3	------	Icebergs visible to North.
27	12			29.38	33	NNE	3	10	
27	16			29.39	33	NE	2	10	Drifting into Bay of Whales. Weather moderating.
27	20			29.41	33	NE	2	10	Icebergs drifting in around eastern barrier.
27	24			29.43	32	ENE	2	10	Snow from 21h to 22h.
28	4			29.43	32	ENE	1	10	Drifting in Bay of Whales. A few icebergs outside the bay.
28	8			29.43	32	ESE	1	------	Bay jammed with ice.
28	12			29.39	33	ESE	1	------	
28	16			29.36	31	SE	1	10	Snowing since 14h.
28	20			29.35	32	E	1	10	Snowing.
28	24			29.35	32	ENE	1	10	Do.
29	4			29.34	33	NE	3	10	Occasional snow, 0h–4h. Loose ice coming around East Cape into Bay.
29	8			29.35	32	NE	2	10	Lt. snow.
29	12			29.34	34	ENE	2	10	
29	16			29.32	34	ENE	1	10	Snowing since 13h.
29	20			29.28	34	NE	1	10	Snow E. 17h.
29	24								
30	4	Bay of Whales		29.25	32	NE	2	10	Occasional snow and mist, 0h–4h.
30	8			29.21	34	NE	1	10	Outer bay spotted with loose ice and growlers.
30	12			29.17	34	ENE	1	10	Snowing since 9h.
30	16			29.11	34	NE	1	10	Snowing since 14h.
30	20			29.07	34	ENE	1	------	Clearing. Moored to the *Jacob Ruppert* at 16:50h.
30	24			29.04	34	ENE	1	10	Pack ice and bergs drifting out around West Cape.
31	1			29.04	33	------		------	
31	10			29.03	------	NE	1	------	
31	12			29.05	------	------		------	
31	16			29.07	34	NW	1	------	
31	20			29.11	33	NNW	1	------	
31	24			29.13	30	N	1	10	Snowing since 21h.
Feb. 1	4			29.14	30		0	10	Occasional snow, 0h–4h. Much ice drifting out of Bay.
1	7			29.15	31	W	1	10	Snowing since 6h.
1	12			29.13	------	------		------	Occasional snow, 7h–12h.
1	19			29.09	28	E	1	10	
1	22			29.07	27	E	1	10	Lt. snow.

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind		Cloudiness	Remarks
1935	L. M. T.	° ′	° ′	Inches	°F.	From 0–12		0–10	
Feb. 1	24	Bay of Whales		29.06	27	E	1	10	
2	4			29.02	25	ESE	2	------	
2	8			29.00	26	SE	2	10	Ice clearing from Bay.
2	12			28.97	33	S	1	10	Snowing since 10h.
2	18			28.93	28	SSW	1	10	
2	20			28.92	28	SSW	1	10	
2	24			28.91	24	SW	1	------	
3	4			28.88	16	S	1	------	Many small floes in Bay.
3	8			28.84	12	S	5	------	Hvy. sea smoke.
3	12			28.84	15	SSW	2	------	Hvy. pack ice extending outside from West Barrier.
3	16			28.82	20	SSW	2	------	
3	20			28.81	15	SSW	1	------	Pancake ice forming about ship.
4	24			28.80	5	SSW	1	------	Hvy. sea smoke.
4	4			------	12	ESE	1	------	Occasional snow, 0h–4h.
4	8			------	12	ENE	1	10	Snowing from 5h–8h.
4	12			28.89	14	ENE	1	10	Hvy. sea smoke.
4	16			28.89	16	E	1	10	Vy. little ice.
4	20			28.90	18	ESE	1	10	
5	24			28.95	17	ESE	1	10	Snowing since 21h.
5	12			29.07	18	ESE	2	10	
5	16	Discovery Inlet		29.08	25	ESE	1	------	Left Bay of Whales for Discovery Inlet at 15:20h.
5	20			29.12	18	ESE	1	------	Sailing along barrier. Many growlers and ice floes.
6	24			29.15	12	ESE	1	------	
6	4			29.19	15	SE	1	10	Dn. fog since 1:10h.
6	8			29.20	16	SSE	1	10	Dn. fog.
6	12			29.21	16	SE	1	10	Dn. fog. Hvy. sea smoke.
6	16			29.19	20	E	1	10	Entering Discovery Inlet. Fog cleared at 12:30h.
6	20			29.19	16	E	1	10	
7	24			29.17	17	SW	1	10	
7	4	--------	----------	29.10	18	W	2	10	Dn. fog from 0h to 1:25h. Took departure from Discovery Inlet at 4h.
7	8	--------	----------	29.12	25	NW	1	------	No ice or icebergs in sight.
7	12	77 19	173 43 W	29.10	25	SW	1	10	
7	16	--------	----------	29.10	26	SSW	1	------	A few icebergs.
7	20	76 31	175 24 W	29.15	21	SSW	1	8	
8	24	--------	----------	29.19	23	SSW	1	------	A few icebergs.
8	4	75 50	176 54 W	29.21	24	WSW	1	8	Do.
8	8	75 25	177 48 W	29.21	36	NW	1	5	
8	12	74 58	178 45 W	29.21	34	N	1	8	Occasional icebergs.
8	16	74 38	179 24 W	29.15	30	NE	3	9	
8	20	74 11	179 43 E	29.03	30	N	1	8	Occasional hvy. snow.
10	24	73 48	179 28 E	29.01	30	N	1	8	Snowing at intervals.
10	4	73 24	179 12 E	29.00	30	NE	1	9	Passed 3 icebergs. Crossed 180th mer. W. to E. longitude; thus, lose Feb. 9.
10	8	72 59	178 56 E	29.04	35	SW	2	7	
10	12	72 27	178 37 E	29.12	32	SSW	1	3	
10	16	72 06	178 24 E	29.18	31	SW	2	3	
10	20	71 32	178 05 E	29.22	32	SW	3	4	
11	24	71 00	177 45 E	29.28	29	SSW	3	4	
11	4	70 31	177 30 E	29.27	30	WSW	2	3	No ice or icebergs sighted, 0h–4h.
11	8	70 01	177 13 E	29.28	36	SSW	2	4	
11	12	69 32	176 58 E	29.32	34	S	2	5	
11	16	--------	----------	29.39	34	SSW	2	5	
11	20	68 32	176 29 E	29.38	32	SSW	2	6	
12	24	67 59	176 14 E	29.57	30	SW	2	6	Sighted several dozen icebergs and growlers.
12	4	67 34	176 03 E	29.54	32	NW	1	6	Occasional icebergs and growlers.
12	8	67 09	175 48 E	29.42	32	NNW	2	5	
12	12	66 45	175 42 E	29.36	33	W	3	10	Do.
12	16	66 19	175 35 E	29.30	33	W	2	10	Passed several large bergs.
12	20	65 49	175 27 E	29.32	36	WSW	2	10	
13	24	--------	----------	29.34	33	W	4	10	Hvy. intermittent snow. Occasional bergs and growlers.
13	4	64 48	175 11 E	29.33	34	WNW	3	10	One iceberg sighted, 0h–4h.
13	8	64 21	175 05 E	29.28	34	NW	4	10	
13	12	64 03	175 00 E	29.22	34	NW	4	10	Occasional hvy. snow since 11h.
13	16	63 37	174 51 E	29.21	35	W	3	10	Snowing occasionally. Passed 2 icebergs, 12h to 16h.
13	20	--------	----------	29.22	35	W	4	10	Snow E. 19h.
14	24	--------	----------	29.22	35	SW	5	10	Hvy. squalls with rising sea.
14	4	--------	----------	29.18	34	W	3	------	
14	8	61 48	174 13 E	29.11	33	W	5	10	
14	12	61 18	173 53 E	29.11	33	WSW	4	10	Hvy. snow. Sea increasing.
14	16	60 46	173 31 E	29.18	35	SW	7	8	Hvy. snow squalls.
14	20	--------	----------	29.29	35	SSW	8	10	Hvy. sea and snow squalls.
	24	--------	----------	29.30	34	SSW	11	10	Snowing. Sea increasing. Ship hove to riding out gale. Strong St. Elmo's Fire on ship's rigging, also display of Aurora Australis.

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935*—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	*From 0–12*	*0–10*	
Feb. 15	4	--------	----------	29.56	35	SSE 9	------	Occasional snow until 3h. Very high sea; ship hove to.
15	8	--------	----------	29.70	37	S 5	------	Wind and sea moderating.
15	12	59 03	172 46 E	29.74	37	SSW 5	8	Occasional lt. snow, 8h to 12h.
15	16	--------	----------	29.76	38	WSW 6	------	
15	20	--------	----------	29.75	37	SW 4	------	
15	24	--------	----------	29.67	37	SW 4	------	Clear, fine weather. No ice sighted.
16	4	--------	----------	29.62	46	WSW 6	------	
16	8	--------	----------	29.75	46	SSW 9	------	
16	12	55 45	171 55 E	29.88	43	S 8	8	
16	16	--------	----------	29.94	45	S 5	------	
16	20	--------	----------	30.00	45	S 5	------	
16	24	--------	----------	30.05	44	SW 3	10	
17	4	--------	----------	29.99	46	W 2	10	Occasional lt. rain.
17	8	--------	----------	30.00	46	W 5	10	
17	12	52 25	171 05 E	30.02	46	SW 4	10	Occasional lt. rain.
17	16	--------	----------	30.03	50	WSW 3	10	Weather moderating.
17	20	--------	----------	30.05	50	WSW 2	10	Dn. fog B. 18 h.
17	24	--------	----------	30.05	48	WNW 1	10	Dn. fog.
18	4	--------	----------	30.00	50	NW 2	10	Occasional lt. rain.
18	8	--------	----------	29.93	50	NNW 2	10	
18	12	49 45	170 43 E	29.94	55	NW 3	10	Dn. fog since 10h. with mist and rain.
18	16	--------	----------	29.93	59	WNW 3	------	Fog cleared at 15h. Land sighted at 14:45h.
18	20	--------	----------	29.93	60	WNW 3	------	
18	24	--------	----------	30.00	56	NNW 1	10	Hvy. rain from 23h.
19	4	--------	----------	29.99	54	N 1	10	
19	8	--------	----------	29.88	54	ENE 1	10	
19	12	--------	----------	29.70	60	ENE 3	10	Dn. fog. Misting. Outside Dunedin Harbor.
19	16	--------	----------	29.66	68	NE 2	------	
19	20	--------	----------	29.60	68	N 1	------	
19	24	--------	----------	29.60	60	SW 1	------	
20	4	--------	----------	29.54	59	----------	------	Raining.
20	8	--------	----------	29.64	60	----------	------	Raining. Ship docked 8:30h.

TABLE 13.—*Meteorological observations on board the "Jacob Ruppert" from Dunedin, New Zealand, to the Bay of Whales, Jan. 16–28, 1935*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1935	*L. M. T.*	° ′	° ′	*Inches*	°*F.*	°*F.*	*From 0–12*		
Jan. 16	20	--------	----------	29.72	------	------	NE 4	Cldy--------	Left Port Chalmers 18:30h. Squalls.
16	24	--------	----------	29.70	------	------	NE 4	-----do-------	Squalls. Sea smooth.
17	4	--------	----------	29.74	------	56	NW 4	-----do-------	Occasional lt. rain since 1h.
17	8	--------	----------	29.74	------	------	W 2	-----do-------	Lt. rain. Sea smooth.
17	12	48 00	171 47 E	29.74	------	------	W 4	Foggy--------	Occasional showers.
17	16	--------	----------	29.74	------	52	S 4	-----do-------	
17	20	--------	----------	29.74	------	56	ESE 2	-----do-------	
17	24	--------	----------	29.75	------	56	ENE 2	-----do-------	
18	4	--------	----------	--------	56	------	ENE 2	Cldy--------	Drizzling rain from 2h to 8h; fog E. 1h.
18	8	--------	----------	--------	53	------	WNW 1	-----do-------	Sea moderate.
18	12	51 13	173 15 E	--------	52	------	SW 2	-----do-------	Misting at 9h.
18	16	--------	----------	29.66	58	------	SW 3	Pt. Cldy------	Vis. good.
18	20	--------	----------	29.68	51	------	W 2	-----do-------	
18	24	--------	----------	29.67	------	------	WSW 2	-----do-------	
19	4	--------	----------	29.63	48	48	SW 1	Cldy--------	
19	8	--------	----------	29.61	48	------	NE 1	-----do-------	
19	12	54 30	174 49 E	29.57	50	------	N 2	-----do-------	Sea smooth.
19	16	--------	----------	29.45	48	44	NE 3	-----do-------	
19	20	--------	----------	29.38	46	46	NE 2	-----do-------	
19	24	--------	----------	29.38	46	------	NNE 2	-----do-------	Drizzling rain since 21h.
20	4	--------	----------	29.22	44	43	W 3	-----do-------	Rain E. 3h.
20	8	--------	----------	29.20	44	43	NW 2	-----do-------	
20	12	58 11	176 42 E	29.20	49	41	NW 1	Clr----------	
20	16	--------	----------	29.23	59	41	NW 1	Pt. Cldy------	Sea moderate.
20	20	--------	----------	29.23	47	41	WNW 1	Cldy--------	Fog began 21h.
20	24	--------	----------	29.23	43	41	NE 3	Foggy--------	
21	4	--------	----------	29.24	41	39	NE 4	Cldy--------	Fog. E. 2h.
21	8	--------	----------	29.24	43	39	NE 4	-----do-------	
21	12	61 39	178 52 E	29.26	41	38	NE 6	-----do-------	Sea moderate.
21	16	--------	----------	29.28	41	38	NE 5	-----do-------	Foggy from 13h to 15h.
21	20	--------	----------	29.31	40	38	ENE 5	-----do-------	
21	24	--------	----------	29.35	39	35	NE 5	Clr----------	
22	4	--------	----------	29.40	38	36	NE 5	Foggy--------	Fog from 1h to 7h.

TABLE 13.—*Meteorological observations on board the "Jacob Ruppert" from Dunedin, New Zealand, to the Bay of Whales, Jan. 16–28, 1935*—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind		Cloudiness	Remarks
					Air	Water				
1935	L. M. T.	° ′	° ′	Inches	°F.	°F.	From 0–12			
Jan. 22	8	--------	----------	29.46	38	38	NE	5	Cldy--------	Vis. poor. Sea rather rough. First iceberg sighted at 7:30h.
22	12	65 13	179 54 E	29.51	38	34	NE	5	-----do-------	
22	16	--------	----------	29.52	37	34	NE	5	-----do-------	
22	20	--------	----------	29.56	34	34	NE	5	-----do-------	
22	24	--------	----------	29.59	32	33	NE	5	-----do-------	A number of icebergs were sighted during the day.
22	4	--------	----------	29.67	34	32	ENE	5	-----do-------	Sea moderate.
22	8	--------	----------	29.68	31	32	ENE	5	-----do-------	
22	12	68 38	176 56 W	29.70	31	32	ENE	5	-----do-------	Crossed 180th mer. from E to W longitude, hence second day dated Jan. 22.
22	16	--------	----------	29.71	31	32	ENE	5	-----do-------	
22	20	--------	----------	29.72	30	31	ENE	5	-----do-------	Vis. good.
22	24	--------	----------	29.68	31	31	ENE	4	-----do-------	Pack ice to the S and SW. Numerous bergs and growlers in sight all day.
23	4	--------	----------	29.61	30	30	ENE	3	-----do-------	Steaming along edge of pack; many bergs and growlers.
23	8	--------	----------	29.60	30	30	ESE	4	-----do-------	
23	12	71 17	179 00 W	29.55	30	31	E	4	-----do-------	Lt. snow at 9h.
23	16	--------	----------	29.52	30	31	E	3	-----do-------	Bergs and pack ice visible. Sea smooth.
23	20	--------	----------	29.50	30	31	E	2	-----do-------	
24	24	--------	----------	29.47	30	32	SE	1	-----do-------	
24	4	--------	----------	29.44	29	31	SE	3	-----do-------	Snowing. Sea smooth; occasional icebergs.
24	8	--------	----------	29.45	31	31	ENE	3	Pt. Cldy-----	A few small bergs.
24	12	74 40	176 51 W	29.42	31	32	E	1	-----do-------	Passed a few bergs.
24	16	--------	----------	29.35	31	32	E	1	Cldy--------	
24	20	--------	----------	29.33	32	32	ENE	2	-----do-------	Numerous bergs.
25	24	--------	----------	29.31	32	32	E	2	-----do-------	
25	4	--------	----------	29.27	30	32	ESE	6	-----do-------	Some fairly heavy pack ice in sight on port side. Sea smooth.
25	8	--------	----------	29.25	30	31	ESE	6	-----do-------	No ice. Sea rather rough.
25	12	77 00	170 53 W	29.22	31	33	E	6	-----do-------	No ice. Sea rough.
25	16	--------	----------	29.19	30	32	E	7	-----do-------	High sea.
25	20	--------	----------	29.14	30	32	ESE	7	-----do-------	Snowing since 17h. Vis. poor.
26	24	--------	----------	29.08	30	33	E	7	-----do-------	Snowing; high sea.
26	4	--------	----------	29.07	30	------	E	7	-----do-------	Snowing; high sea.
26	8	--------	----------	29.04	30	------	ENE	6	-----do-------	Do.
26	12	77 31	167 25 W	29.06	30	33	E	6	-----do-------	Snow ended 12h. Snow mixed with lt. rain from 8h to 12h.
26	16	--------	----------	29.15	31	32	NE	5	-----do-------	Fog from 13h to 15h. Sighted Barrier at 15h. Sighted the *Bear* at 16h.
26	20	--------	----------	29.15	32	32	NE	4	-----do-------	At entrance of Bay of Whales at 18:20h.
26	24	--------	----------	29.15	32	32	E	7	-----do-------	Occasional snow. Cruising along Barrier.
27	4	Bay of Whales		29.29	30	32	NNE	5	-----do-------	Occasional snow squalls; sea rough.
27	8			29.34	32	32	NE	4	-----do-------	Entrance of Bay full of ice. Sea moderate.
27	12			29.37	30	31	NE	5	-----do-------	
27	16			29.39	32	------	NE	5	-----do-------	
27	20			29.42	32	------	NE	4	-----do-------	Occasional snow.
28	24			------	------	------	------		----------	
28	4			29.43	31	------	E	3	Cldy--------	Several bergs visible.
28	8			29.42	34	------	SE	2	-----do-------	
28	12			29.39	------	------	SE	2	-----do-------	
28	16			29.36	32	------	E	3	-----do-------	

TABLE 14.—*Observations at Camp David Rockefeller, Mar. 7–20, 1929*

[Elevation, 393 feet above sea level. Latitude 78° 07′ S., longitude 155° 20′ W.]

Date	Time	Station pressure	Temperature	Wind		Clouds	Remarks
1929	*180th mer.*	*Inches*	*°F.*	*From*	*m. p. h.*	*0-10*	
Mar. 7	21:30	28.84	18.5		0	10 ASt	The camp is situated in a slight basin-like depression 2.5 miles south by east of a mountain ridge 2 miles long and 1,000 to 1,300 ft. high.
8	6:30	29.01	19.4		0	10	
8	7:30	29.03	24.8			10 St	
8	11:00	29.03	14.0	NNE	35	10	Wind variable between N and NE.
8	16:00	29.19	15.8	N	20	10	
8	19:00	29.30	14.0	W	5	10	
8	21:00	29.31	14.0		0	10 St	
9	6:30	29.30	14.9	NW	5	10	
9	9:30	29.12	15.8	NW	10	10	Fine driving snow.
9	12:00	29.02	19.4	NNE	35	10	Hvy. drift. Vis. vy. bad. Wind increased to 60–70 m. p. h. from N. Temp. between 26.6 and 19.4. Pressure fell steadily to 28.30 inches at 24h.
10	2:00	28.38	19.4	NW	20	10	Pressure at 5h, 28.58; 9:30h, 28.60; 12h, 28.82.
10	14:30	29.01	19.4	W	10	10	
10	16:00	29.04	14.0	NW	15	10	
10	17:20	29.06	−2.2	N	10	9 Cu	
10	19:45	29.06	1.4	NW	10	10 St Cu	
10	22:20	29.10	−2.2		0	0	
11	5:00	28.88	19.4	N	45	10 St	Occasional gusts up to 60 m. p. h.
11	9:30	28.90	19.4	N	45	10	Gusty.
11	10:30	28.91	19.4	N	45	10	Do.
11	11:30	28.96	19.4	N	45	10	Sun breaking through clouds.
11	14:30	29.02	19.4	NNW	20	10	Hvy. snow.
11	15:40	29.05	17.6	NNW	15	10	Do.
11	19:55	29.10	10.4	WNW	2	8 St (thin)	Occasional snow flurries from WNW. Total snowfall 8 inches; soft fluffy type.
12	2:30	29.04	10.4	NE	15	10	
12	4:30	28.98	10.4	NW	5	10	Sun up bright at 5:30h. Air calm.
12	8:00	28.90	12.2	Variable		10	
12	9:00	28.86	12.2	NW		10	Wind increasing from NW. Air filled with flying snow.
12	10:30	28.84	15.8			10	Lt. fall of fluffy snow. Sun faintly visible.
12	13:30	28.74	12.2		0	10	Hvy. fall of lt. fluffy snow.
12	15:30	28.70	12.2		0	10	Hvy. snow; large flakes.
12	19:00	28.66	12.2		0	10	Lt snow.
12	21:00	28.60	12.2		0	10	
13	5:00	28.58	8.6		0	10	Occasional lt. snow.
13	7:00	28.62	8.6		0	10	Do.
13	9:30	28.65	12.2		0	10	Do.
13	17:00	28.70	1.4		0	9 St Cu	Blue sky in N.
13	20:00	28.70					
14	5:00	28.66	1.4		0	Few	Bright sunlight.
14	10:30	28.59	23.0	N	45	10	
14	13:10	28.56		N	35	10	Gusts of wind up to 60 m. p. h.
14	14:00	28.53		N	35	10	
14	15:30	28.50	19.4	N	35	10	
14	17:30			N	88	10	Very high winds during the night; air speed indicator on Fokker plane showed 88 m. p. h. at 17:30h. Strong gusts during the night estimated at 150 m. p. h., tore plane loose from solid moorings carrying it for ½ mile and dropping it a total wreck.
15	10:30	28.43	30.2	N	45	10	High winds during balance of day; gusts up to 60 m. p. h., diminishing in the evening. Lowest pressure 28.38 inches.
16	12:00	28.86			0	10	Lt. snow. Thin overcast.
17	7:00	29.10	1.4		0	Few	Bright sunlight.
17	11:00	29.24	1.4	W	10	7	
17	14:13	29.28	−0.4		0	10	Few flakes of snow falling.
18	6:30	29.26	−0.4		0	1 Ci, 1 CiSt	Bright sunlight.
18	9:30	29.24	10.4		0	5 St	Clear in W.
18	11:00	29.16	10.4		0	10 Ci, CiSt, St	
19	7:30	28.84	−0.4		0	0	Bright sunlight.
19	11:00	28.82	1.4		0	4 CiSt	
19	13:30	28.82	−2.2		0	4 CiSt	
19	17:30	28.82	1.4		0	6 CiSt	
20	4:00	29.00	1.4		0	9 St (thin)	Vis. good.
20	6:30	29.02	10.4		0	9 St (thin)	Do.
20	11:30	29.04					Do.
Mean		28.912	11.3				

TABLE 15.—*Meteorological Journal of spring southern journey to 100-Mile Depot, Oct. 20–28, 1929*

Date	Time	Geographical miles S. of Little America	Temperature	Wind		Cloudiness	Remarks
1929	180th mer.		°F.	From	m. p. h.	0-10	
Oct. 20	20:00	23	−10	E	10	9 St	Vy. dark water sky in N.
21	10:15	23		SE	20	10 St	Drifting snow. Vis. poor.
21	18:00	31		E	15	3 Ci	Vis. improving. Sharp drop in temp. during afternoon.
22	12:00	31		SE	20	Cldy	
22	17:00	31		E	5		22° halo at 15h.
23	7:30	45		E	20		Drifting snow.
23	12:00			S	15		
24	15:00	76	−14.8				Cook tent covered with rime.
24	19:45	76	−27.4				
24	21:00	76	−31.0		0	2 Ci	
24	23:00	76	−29.2		0		
25	7:00	76	−27.4		0	Clr	Vis. vy. good. Bright sunlight.
25	9:00	76	−20.2		0		
25	14:05		−18.4		0	Clr	Vis. good.
25	16:25	89	−11.2		0	do	Vis. good. Considerable refraction phenomena.
25	18:00	92	−20.2		0	do	Looming along horizon.
25	22:45	100	−39.7	NE	2		
26	8:30	100	−20.2		0	Clr	Vis. good.
26	11:55	100	−18.4	SE	5	2 Ci N	Hazy in S.
26	15:45		−18.4	SE	8		
27	22:30	75	−16.6	SE	5	9 St	Hazy. St breaking up at 23:10h; Ci visible above.
27	5:30	75	−11.2	S	8	5 ASt	Clear overhead. Vis good
27	10:00	75		S	5	5 StCu NE	
	12:00	63	−7.6		0	Clr	Vy. sharp drop in temp. felt when passing through a depression 5 miles wide, 53 miles S of Little America; sudden rise in temp. very apparent upon reaching higher elevation. Several haycocks.
28							
28	3:00	36		SE	20	8 Ci	Outline of sun visible
28	6:00	36		SE	20	8 Ci NE	Lt. drift. Vis. fair. Arrived Little America 17h.

TABLE 16.—*Meteorological observations on the fall sledging journey to 155-Mile Depot, Mar. 1–31, 1934*

[Observer: Innes Taylor]

Date	Time	Camp No.	Position or geographical miles S. of Little America	Station pressure	Temperature		Wind		Sky	Elevation above sea level	Remarks
					Dry	Min.					
1934	180th mer.			Inches	°F	°F	From	m. p. h.		Feet	
Mar. 1	22:30	1	10.3	28.97	−10			0	Cldy	126	
2	8:00	1	10.3	28.98	−10	−25	NE	15	do	126	
2	20:00	2	78°58′ S, 163°48′ W	28.73	−2		E	20	do	222	Drifting. 25-Mile Depot.
3	8:00	2	78°58′ S, 163°48′ W	28.44	8	−2	SE	3	do	222	Snowing.
3	20:00	3	29.7	28.29	−2			0	Clr	540	Clearing during afternoon.
4	8:00	3	29.7	28.63	−12	−18	SE	2	Pt. Cldy	540	
4	20:00	4	79°23′ S, 163°48′ W	28.98	8		SE	50	O'cast	124	Snow falling. Estimated fall, 6 inches. 50-Mile Depot.
5	8:00	4	79°23′ S, 163°48′ W	29.18	22		SE	35	do	124	Snowing.
5	20:00	4	79°23′ S, 163°48′ W	29.12	20			0	Pt. Cldy	124	
6	8:00	4	79°23′ S, 163°48′ W	29.10	4	2		0	Clr	124	
6	20:00	5	61.3	29.01	−26		SW	4	Cldy	142	
7	8:00	5	61.3	29.10	−28	−36	SW	6	Clr	142	
7	20:00	6	67	29.02	12		N	40	O'cast	190	Vy. hvy. drift.
8	8:00	6	67	28.87	20		N	25	do	190	Snowing.
8	20:00	6	67	28.75	16		N	20	Cldy	190	
9	8:00	6	67	28.78	8	6	SE	8	do	190	
9	20:00	7		28.80	−12		SE	12	do	196	
10	8:00	7		28.81	−12	−22		0	Clr	196	
10	20:00	8	80°07.5′ S, 163°55′ W	29.01	−6			0	Cldy	252	100-Mile Depot. (Bolling Advance Base).
11	8:00	8		29.19	−6	−12	S	4	do	252	
11	20:00	9	118.4	29.08	2		S	12	do	39	
12	8:00	9	118.4	28.85	2	−22	S	6	do	39	
12	20:00	10	80°32′ S, 163°42′ W	28.69	−10		S	4	Pt. Cldy	158	125-Mile Depot.
13	8:00	10	80°32′ S, 163°42′ W	28.61	−18	−24	NW	12	Cldy	158	
13	20:00	11	145	28.87	−22		N	6	do	211	
14	8:00	11	145	28.89	−33	−47	NW	4	Clr	211	
14	20:00	12	80°54′ S, 161°58′ W	29.01	−12		N	6	Cldy	219	155-Mile Depot.
15	8:00	12	80°54′ S, 161°58′ W	28.92	−10	−20	N	25	O'cast	219	Drifting snow.
15	20:00	12	80°54′ S, 161°58′ W	28.80	−9		N	14	do	219	
16	8:00	12	80°54′ S, 161°58′ W	28.82	−13	−21	SE	0	Cldy	219	
16	20:00	13	139.5	28.98	−10		SE	8	Pt. Cldy	208	

TABLE 16.—*Meteorological observations on the fall sledging journey to 155-Mile Depot, Mar. 1–31, 1934*—Continued

Date	Time	Camp No.	Position or geographical miles S. of Little America	Station pressure	Temperature		Wind		Sky	Elevation above sea level	Remarks
					Dry	Min.					
1934	*180th mer.*			*Inches*	*°F*	*°F*	*From*	*m.p.h.*		*Feet*	
Mar. 17	8:00	13	139.5	29.11	−30	−54		0	Clr	208	
17	20:00	14	80°32′ S, 163°42′ W	29.27	−28			0	do	188	125-Mile Depot.
18	8:00	14	80°32′ S, 163°42′ W	29.30	−18	−45	E	6	Cldy	188	
18	20:00	14	80°32′ S, 163°42′ W	29.29	−26		E	3	Clr	188	
19	8:00	14	80°32′ S, 163°42′ W	29.28	−13	−36	ESE	12	Cldy	188	
19	20:00	15	110	29.18	−10	−14	NE	15	O'cast	223	Snowing and drifting.
20	8:00	15	110	29.02	−12	−14	N	8	Clr	223	
20	20:00	15	110	29.00	−9			0	do	223	
21	8:00	15	110	28.78	−19	−28	W	15	do	223	Drifting snow.
21	20:00	16	80°07.5′ S, 163°55′ W	28.76	−25	−32	NW	15	Cldy	268	At Bolling Advance Base.
22	8:00	16	80°07.5′ S, 163°55′ W	28.78	−46	−52		0	Clr	268	
22	20:00	16	80°07.5′ S, 163°55′ W	28.70	−44	−51		0	do	268	
23	8:00	16	80° 07.5′ S, 163°55′ W	28.92	−54	−60	SE	1	Pt. Cldy	268	
23	20:00	16	80°07.5′ S, 163°55′ W	29.01	−43	−50	SE	3	do	268	
24	8:00	16	80°07.5′ S, 163°55′ W	28.90	−15	−30	W	35	Cldy	268	Hvy. drift.
24	20:00	16		28.92	−12		W	30	do	268	Do.
25	8:00	16	80°07.5′ S, 163°55′ W	29.34	−42	−48	SW	10	Clr	268	
25	20:00	17	87.5		−28	−37.5	SW	6	Pt. Cldy		Aneroid barometer left at Advance Base.
26	8:00	17	87.5		−13	−24	NE	10	O'cast		
26	20:00	17	87.5		0		NE	35	do		Drifting snow.
27	8:00	17	87.5		−38	−43	NW	18	Clr		Do.
27	20:00	18	75		−40		NW	30	Pt. Cldy		Hvy. drift. 75-Mile Depot.
28	8:00	18	75		−27	−34		0	Clr		
28	20:00	19	55		−13			0	do		
29	8:00	19	55		−41	−61		0	do		
29	20:00	20	34		−20	−22		0	do		
30	8:00	20	34		−12	−14	N	30	Cldy		Drifting snow.
30	20:00	20	34		−7		N	45	do		Vy. hvy. drift.
31	8:00	20	34		−13	−18	E	4	do		
31	20:00	21	Little America		−12			0	do		

TABLE 17.—*Meteorological observations on the fall tractor journey to Bolling Advance Base, Mar. 16–29, 1934*

Date	180th	Geographical miles S. of Little America	Station pressure	Temperature		Wind		Cloudiness	Remarks
				Dry	Min.				
1934	*Mer. Time*		*Inches*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	
Mar. 17	2:00	25	29.03	−36		SSW	8	0	Haze to N. Max. wind 15 m. p. h. at 0h.
17	20:30	50	29.12	−24		W	5	4 Ci	Wind NE 10 until 18h.
18	10:00	50	29.13	6	−31	E	20	5 ACu	Lt. drift. Wind changed to E during night and rose to 30 m. p. h.
18	21:00	50	29.18	−6		E	23	2 ACu	Lt. drift. Vis. good.
19	10:00	50	29.16	9	−6	NE	23	O'cast	Lt. drift. Vis. poor.
19	16:00	50	29.12	5		W	15	do	Wind changed from NE to W at 16h. Hazy to W. Vis. fair.
20	8:00	66	29.98			NE	3	do	Wind NE 20 m. p. h. during night with drift.
21	9:00	93	28.57	−41		N	18	3 Ci, ACu	Estimated min. temp. −50° F.
21	17:00	100		−30			0	O'cast	Brisk wind until 17h. Overcast since noon; clearing at 24h. At Bolling Advance Base.
22	8:00	100	28.78	−46	−52		0	0	
22	20:00	100	28.70	−44	−51		0	0	
23	8:00	100	28.92	−54	−60	SE	1	Pt. Cldy	
23	20:00	100	29.01	−43		SE	3	do	
24	8:00	100	28.90	−15		W	35	O'cast	Hvy. drift.
24	20:00	100	28.92	−12	−28	W	30	do	Do.
25	12:00	100	29.26	−40		WSW	10	0	Vis. good.
26	20:00	100	28.89	−23		WNW	23	O'cast	Drifting snow. Vis. vy. poor. Lt. snow during morning.
27	9:00	100	28.82	−42.5	−43	N	12	0	Vis. fair. Hazy on horizon.
27	21:00	100		−48.5		NW	15	0	
28	9:00	100	28.96	−48	−54	N	5	Few	Clouds on horizon. Viz. good.
28	21:00	75	28.88	−60			0	0	Vis. good in bright moonlight.
29	13:30								Arrived Little America.

TABLE 18.—*Meteorological observations on the eastern tractor journey, Sept. 27 to Oct. 12, 1934*

[Observer: Kennett Rawson]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Cloudiness	Visibility	Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.						
1934	*180th mer.*		°	′	°	′	*Inches*	°*F.*	°*F.*	*From*	*0-12*		*0-9*	*Feet*	
Sept. 27	20:00	1	78	30	160	50	28.60	−37	-------	NE	------	0	7	380	High wind at 14h; max vel. force 6. Surface smooth and soft.
28	7:00	1	78	30	160	50	28.54	−20	−42	NE	1	0	6	380	Hazy. Sastrugi trend, SE–NW. Surfaces rough.
28	20:00	2	78	28	159	08	28.48	−22	-------	NW	2	St	0	395	Lt. snow. Surface vy. rough. Sastrugi SE–NW
29	4:45	2	78	28	159	08	28.57	−32	−34	E	2	-------	7	395	Sastrugi SE–NW; surface rough.
29	20:00	3	78	24	156	03	28.58	−15	-------	E	1	O'cast	2	378	Surface smooth. 90 - mile Depot.
30	9:00	3	78	24	156	03	28.59	------	−24		0	Hvy. St	6	378	
30	20:00	4	78	21	154	22	28.37	−15	-------	N	3	do	4	433	Evidence of high winds from several directions. Crevasse Camp.
Oct. 1	8:00	4	78	21	154	22	28.42	−18	−22		0	do	2	433	Fog. Surface smooth. Wind during night, N force 6. At Crevasses on Barrier at foot of Plateau.
2	5:00	4	78	21	154	22	28.52	−29	−43.5		0	0	7	433	
3	9:00	5	78	23	152	12	26.20	−8	-------	N	2	St. N	6	2,339	At 150-Mile Depot. Sastrugi NNE–SSW. High wind during yesterday afternoon and night.
3	20:00	6	78	21	149	45	25.02	−5	-------	NE	8	O'cast	------	3,336	Surface rough. At 180-mile Depot.
4	12:00	6	78	21	149	45	24.75	−6	−8	NE	6	do	0	3,336	Hvy. snow. Wind up to force 9 during night.
4	20:00	6	78	21	149	45	24.64	−6	-------	NE	8	do	------	3,336	Hvy. snow.
5	10:00	6	78	21	149	45	24.54	4	−6	NE	8	do	0	3,336	Hvy. snow and hvy. drift.
5	15:00	6	78	21	149	45	24.40	6	-------	NE	8	do	0	3,336	Do.
5	20:00	6	78	21	149	45	-------	------	-------	E	11	-------	------	-------	Hvy. drift. Wind increasing.
6	15:00	6	78	21	149	45	24.59	------	-------	E	7	O'cast	0	3,336	Hvy. snow. Hvy. drift. Wind E force 12 at 18h.
6	20:00	6	78	21	149	45	24.82	−10	-------	E	2	do	1	3,336	Mod. snow and drift.
7	12:00	6	78	21	149	45	25.09	−8	−15	NNE	4	do	0	3,336	Do.
7	15:00	6	78	21	149	45	25.19	−8	-------	NNE	3	do	1	3,336	Mod. snow.
7	20:00	6	78	21	149	45	25.22	−11	-------	NNE	4	do	0	3,336	Snowing.
8	10:00	6	78	21	149	45	25.06	0	−11	NNE	6	do	0	3,336	Snowing. Hvy. drift.
8	16:00	6	78	21	149	45	25.04	------	-------	NNE	8	do	0	3,336	Do.
8	20:00	6	78	21	149	45	24.93	------	-------	NNE	11	do	0	3,336	Hvy. snow. Hvy. drift.
9	10:00	6	78	21	149	45	25.02	0	0	NE	6	do	0	3,336	
9	16:00	6	78	21	149	45	25.03	------	-------	NE	6	do	0	3,336	Snowing.
10	10:00	6	78	21	149	45	25.17	2	−5	NE	2	St	------	3,336	Lt. snow; clearing.
10	13:00	6	78	21	149	45	25.13	2	-------	NE	2	Pt. Cldy	------	3,336	Clouds breaking. Occasional sunshine.
10	21:00	7	78	19	149	03	24.91	------	-------	NE	1	do	------	3,530	At 189-Mile Camp.
11	8:00	7	78	19	149	03	24.86	2	−6	NE	1	-------	8	3,530	Clearing.
11	20:00	8	77	55	148	17	25.80	10	−6	NE	1	Pt. Cldy	9	2,512	At Mt. Grace McKinley.
12	8:00	8	77	55	148	17	25.76	10	−6	-------		-------	------	2,512	Do.
12	20:00	9	------		-------		25.70	−10	-------	-------		-------	------	2,478	

TABLE 19.—*Meteorological Journal of Marie Byrd Land Party, Oct. 14 to Dec. 25, 1934*

[Observer: Paul Siple]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Cloudiness	Clouds	Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.						
1934	*180th mer.*		°	′	°	′	*Inches*	°*F.*	°*F.*	*From*	*m.p.h.*	*0-10*		*Feet*	
Oct. 14	18:00	1	78	33	163	00	28.30	4.4	0.2	E	12	10	St	146	Lt. drift; snowing most of day.
15	11:25	1	78	33	163	00	28.25	8.0	-------	W	2	10	St	146	Clearing to SW.
15	19:30	2	78	32	162	25	28.30	0	-------	E	4	10	St	144	
16	7:50	2	78	32	162	25	28.35	3.0	−6.2	NNW	13	9	StCu	144	Lt. snow and drift.
16	22:00	3	78	31	161	45	28.35	−11.0	-------	E	3	10	St	209	Sky cleared to 3 Ci and ACu; 22° halo and upper zenithal arc.
17	9:00	3	78	31	161	45	28.35	−18.7	-------	E	10	5	St, CiCu	209	
17	23:00	4	78	31	161	12	28.20	−17.5	-------	SE		10	St	284	Lt. snow since 15h.
18	10:00	4	78	31	161	12	28.35	−16.0	−22.0	ESE	10	10	St	284	Lt. drift D.A. Temp. rose to −5.0 during morning.
18	14:00	4	78	31	161	12	28.40	−9.0	-------	NW	2	9	St	284	
18	18:30	4	78	31	161	12	28.40	−18.5	-------	WNW	8	10	St	284	
19	8:00	4	78	31	161	12	-------	−18.0	−46.0	SE	2	9	St	284	
19	12:00	5	78	30	160	50	28.65	−20.8	-------	SE	5	4	ACu	236	
19	22:00	6	78	30	160	31	28.55	−40.0	-------	SE	8	0	0	208	
20	8:00	6	78	30	160	31	28.35	−25.5	−40.5	SE	30	0	0	208	Hvy. drift.
20	19:00	6	78	30	160	31	28.45	−36.0	-------	SE	30	0	0	208	
21	12:00	6	78	30	160	31	27.80	−3.0	−25.0	S	8	9	St	208	
21	24:00	7	78	28	159	07	27.95	−22.5	-------	W	20	10	CiSt	330	Lt. drift.
22	11:30	7	78	28	159	07	28.30	−13.0	−24.5	WNW	15	10	CiSt	330	Hazy. 22° solar halo.
22	22:00	8	78	28	158	05	28.60	−27.0	-------	NW	20	0	0	241	Sky clear since 12h.
23	8:00	8	78	28	158	05	28.60	−13.0	−32.3	W	5	10	St	241	
23	21:30	9	78	25	156	38	28.60	−7.5	-------	E	5	10	St	206	Sighted Rockefeller Mts.
24	8:00	9	78	25	156	38	28.55	1.0	−8.0	E	5	10	St	206	
24	24:00	10	78	23	155	23	28.25	−5.2	-------	E	5	10	St	328	Vy. lt. snow. St. are vy. low.
25	11:30	10	78	23	155	23	28.25	8.5	−8.9	-------		10	-------	328	Lt. snow.
25	17:00	11	78	22	155	00	28.25	−8.0	-------	W	4	8	-------	351	Lt. snow and fog.
25	21:30	12	78	22	154	43	28.20	−9.0	-------	W	5	9	-------	402	Lt. snow.
26	10:00	12	78	22	154	43	28.30	−4.0	−10.0	W	8	10	St	402	About 2 inches of snow fell during night.
26	19:00	12	78	22	154	43	28.35	−10.0	−16.0	SW	4	9	St	402	Clearing in SW.
26	22:00	12	78	22	154	43	28.30	−30.0	-------	SW	15	5	ACu	402	Hazy. Lt. drift.
27	8:00	12	78	22	154	43	28.50	−18.0	−37.0	E	3	5	Ci	402	22° and 46° solar halo.
27	21:00	13	78	28	154	15	28.65	−35.5	-------	S	5	2	Ci S	476	Ice crystals falling at 16h.
28	8:00	13	78	28	154	15	28.50	−12.0	−36.5	E	5	8	St	476	Clearing in SE.
28	23:00	14	78	27	153	48	27.40	−3.0	-------	E	5	9	Ci	1,028	Mod. drift during afternoon.
29	8:00	14	78	27	153	48	27.40	−7.0	−8.0	SE		5	Ci	1,028	Cloud bank to NE over Ford range.
29	16:00	15	-------		-------		27.02	−22.0	-------	W	5	3	Ci	1,461	
29	22:00	16	78	24	152	50	26.55	−30.5	-------		0	3	Ci	1,812	
30	8:00	16	78	24	152	50	26.75	−16.5	−31.5	E	3	8	Ci	1,812	
30	15:30	17	78	23	152	12	26.15	−18.0	-------	E	5	3	Ci	2,273	At 150-Mile Depot.
30	23:30	18	78	22	151	37	25.55	−31.0	-------	E	5	Few	Ci	2,703	
31	12:00	18	78	22	151	37	25.50	−5.0	−31.0	E	8	0	0	2,703	
31	17:00	19	-------		-------		25.11	−11.0	-------	NE	10	1	Ci W	3,064	
31	23:30	20	78	22	150	20	24.82	−19.0	-------	E	5	Few	Ci	3,256	
Nov. 1	8:30	20	78	22	150	20	24.87	−7.0	−19.0	E	8	Few	Ci	3,256	
1	20:30	21	78	19	149	00	24.44	−27.0	-------	NE	3	Few	Ci W	3,614	
2	8:30	21	78	19	149	00	24.33	−2.0	−27.0	NE	5	0	0	3,614	
2	21:15	22	78	11	147	40	25.95	−22.0	-------	SE	18	0	0	2,423	Lt. drift.
3	8:00	22	78	11	147	40	26.10	−7.0	−25.0	E	8	Few	Ci W	2,423	
3	10:30	23	77	56	148	10	26.25	−1.0	-------		0	9	St W	2,358	Camped at Mt. Grace McKinley.
4	7:30	23	77	56	148	10	26.25	16.0	−1.0	S	1	10	St	2,358	
4	21:00	23	77	56	148	10	26.15	1.0	−1.5	E	2	10	St	2,358	
5	7:30	23	77	56	148	10	26.10	8.0	−1.0	W	5	9	St	2,358	
5	20:30	23	77	56	148	10	26.20	1.0	−1.0	W	5	9	ASt	2,358	
6	7:30	23	77	56	148	10	26.25	16.5	−1.0	W	4	10	ASt	2,358	Lt. snow.
6	21:00	23	77	56	148	10	26.38	−6.0	-------	E	5	8	ACu	2,358	
7	7:30	23	77	56	148	10	26.25	−1.0	−8.0	NW	10	10	St	2,358	
7	24:00	23	77	56	148	10	26.10	−6.0	−8.0	N	20	10	St	2,358	Lt. snow and fog.
8	7:30	23	77	56	148	10	26.10	−1.0	−8.0	N	25	10	St	2,358	Lt. snow and fog. Lt. drift.
8	21:00	23	77	56	148	10	26.05	−7.0	−7.0	SE	10	9	Ci, St, Ast S.	2,358	Lt. fog.
9	7:30	23	77	56	148	10	26.20	0	−11.0	SE	25	10	CiSt	2,358	Lt. drift.
9	23:30	24	77	56	147	58	26.30	−4.0	-------	SE	10	9	Ast	2,417	Clear in SE.
10	7:30	24	77	56	147	58	26.20	0	−6.0	E	10	3	Ci	2,417	Iridescent clouds.
10	21:00	25	77	48	147	38	26.40	−13.0	-------	SE	35	-------	-------	2,004	Hvy. drift.

TABLE 19.—*Meteorological Journal of Marie Byrd Land Party, Oct. 14 to Dec. 25, 1934*—Continued

[Observer: Paul Siple]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Cloudiness	Clouds	Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.						
1934	180th mer.		°	′	°	′	Inches	°F.	°F.	From	m.p.h.	0-10		Feet	
Nov. 11	7:30	25	77	48	147	38	26.30	−7.0	-------	SE	15	4	Ci NE	2,004	
12	7:30	25	77	48	147	38	26.20	−9.0	−17.0	SE	30	------	------	2,004	Mod. drift.
12	23:00	26	77	39	147	13	26.10	−13.0	-------	SSE	25	1	ACu	1,877	Lt. drift. Clear in SE.
13	7:30	26	77	39	147	13	26.18	−3.0	−13.1	SSE	15	6	Ci	1,877	
13	22:30	27	77	29	146	50	27.25	0	-------	S	15	4	Ci	1,659	At Haines Mts.
14	7:30	27	77	29	146	50	27.30	25.5	0		0	1	Ci	1,659	
14	15:00	27	77	29	146	50	-------	6.0	-------		0	0	0	1,659	
14	22:30	27	77	29	146	50	-------	−8.0	-------		0	3	Ci	1,659	
15	7:30	27	77	29	146	50	26.65	6.0	−11.0		0	Few	Ci	1,659	
15	12:00	27	77	29	146	50	26.61	5.0	5.0		0	Few	Ci NW	1,659	Drift to W in afternoon. Gusty; wind varying from 0 to 50 m. p. h.
16	11:00	27	77	29	146	50	26.20	−1.0	-------	N	Gusty	0	0	1,659	
16	24:00	27	77	29	146	50	26.35	2.5	−3.5	E	12	Few	Ci	1,659	
17	7:30	27	77	29	146	50	26.60	5.0	−4.0	NE	14	9	StCu	1,659	
17	22:00	27	77	29	146	50	26.62	4.5	−3.0	SE	15	0	0	1,659	Gusty most of day. Overcast until 16h. Max temp. 16.0.
18	7:30	27	77	29	146	50	26.50	5.0	-------	SE	Gusty	0	0	1,659	At Haines Mts.
19	7:30	27	77	29	146	50	26.60	12.0	−7.5		0	1	CiSt	1,659	
19	23:30	28	77	17	145	51	27.70	14.0	-------	N	8	2	ACu	779	At Mt. Donald Woodward.
20	7:30	28	77	17	145	51	27.95	18.0	-------	NE	3	8	ASt	779	Clear in SW.
20	21:00	28	77	17	145	51	28.10	13.5	9.5	E	10	1	ASt	779	
21	7:30	28	77	17	145	51	28.08	22.0	10.0	E	12	5	ACu	779	
22	22:00	29	77	08	145	33	27.35	-------	-------	E	25	10	ASt	1,214	At Mt. Cooper. Thermometer blew away.
23	23:30	30	76	58	145	27	27.20	-------	-------	NE	5	3	ACu	-------	
24	8:30	30	76	58	145	27	-------	-------	-------		0	3	CiSt	-------	Barometer taken with Wade.
25	9:30	31	76	48	145	24	-------	-------	-------	NE	30	10	ASt	-------	
25	22:30	31	76	48	145	24	-------	-------	-------	NE	4	9	ASt	-------	At Mt. Stancliff.
26	9:00	31	76	48	145	24	-------	-------	-------	N	2	10	ACu	-------	Fog coming in from N.
26	18:00	32	76	45	145	35	-------	-------	-------	E	3	10	Dn. Fog	-------	At Crevasse Valley.
27	9:00	32	76	45	145	35	-------	-------	-------		0	2	St	-------	Hvy. snow (2 to 3 inches).
27	23:30	33	76	36	145	05	-------	-------	-------		0	6	CiSt	-------	
28	9:00	33	76	36	145	05	-------	-------	-------	E	15	6	Ci, ACu	-------	Lt. drift.
28	21:00	34	76	33	144	46	-------	-------	-------	NE	10	6	ACu	-------	Overcast most of afternoon. At "volcano" in R. Fosdick Mts.
29	8:30	34	76	33	144	46	-------	-------	-------	N	38	10	CiSt	-------	Fog and drift.
30	9:00	34	76	33	144	46	-------	-------	-------	N	45	6	ACu	-------	Hvy. drift.
30	19:00	34	76	33	144	46	-------	-------	-------	N	45	6	ACu	-------	Do.
Dec. 1	8:00	34	76	33	144	46	-------	-------	-------	NE	50	10	CiSt	-------	Do.
1	19:30	34	76	33	144	46	-------	-------	-------	NE	45	10	CiSt	-------	Hvy. drift. At Mt. Haines.
2	7:30	34	76	33	144	46	-------	-------	-------		0	6	CiSt	-------	At Mt. Haines.
2	21:00	35	76	45	145	32	-------	-------	-------	E	4	4	CiSt	-------	Crevasse Valley, between Mt. Saunders and Chester Mts.
3	7:30	35	76	45	145	32	-------	-------	-------		0	------	------	-------	
3	22:30	36	76	49	145	42	-------	-------	-------	NE	5	------	------	-------	At Mt. Stancliff.
6	18:00	37	77	29	146	50	27.30	-------	-------		0	------	Ci W	1,828	At Haines Mts.
11	8:00	38	------	------	------	------	25.25	17.6	-------	S	5	------	------	3,701	
11	18:00	39	78	11	147	40	25.02	10.0	-------	S	10	8	ACu	3,932	
12	11:00	39	78	11	147	40	25.02	10.0	-------	N	5	5	ACu, Cu	3,932	Vy. lt. snow during night.
12	18:00	40	78	19	149	08	24.71	2.0	-------	NE	5	------	ACu NW	4,293	
13	10:00	40	78	19	149	08	24.71	10.0	-------	SE	10	9	St	4,293	Hvy. snow.
13	17:30	41	78	22	149	45	24.82	8.0	-------	SE	10	9	St	4,229	Do.
14	18:00	42	78	22	151	44	25.75	9.0	-------	S	5	10	St	3,246	
15	18:00	43	78	12	152	20	26.29	11.0	-------	SW	5	1	ACu	2,783	Fog about Rockefellers.
18	19:00	44	78	07	155	25	28.15	17.6	-------	N	5	8	ACu	877	At Mt. Helen Washington.
22	10:00	44	78	07	155	25	27.70	34.0	-------	N	15	10	------	877	Hvy. snow.
23	21:30	45	78	21	156	03	28.30	6.8	-------	NW	18	------	ASt SE, Ci NW	871	Lt. drift. Overcast in early morning.
24	18:30	46	78	23	157	15	28.00	8.6	-------	W	5	9	ASt	830	Lt. drift from SSW.
25	23:00	47	78	26	158	50	27.75	21.2	-------	E	10	9	ASt	899	

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.					
1934	*180th mer.*		°	′	°	′	*Inches*	°*F.*	°*F.*	*From*	*m. p. h.*		*Feet*	
Oct. 16	8:45	1	78	34.1	163	56	28.49	8	-------	NW	14	10 St NW	46	At Little America.
16	14:30	2	78	37	163	56	-------	6	-------	NNW	Lt.	ASt	-------	Left Little America at 11h together with the Rockefeller Plateau Party. 46° solar halo at 17h. Low St at 22h.
16	20:17	3	78	45	163	56	28.48	−10.5	-------		0	CiCu	98	
17	8:00	3	78	45	163	56	28.47	0	−10.5	NE	Lt.	-------	98	
17	20:00	4	78	55	163	56	28.45	−6	-------		12	O'cast	122	Snowing. Lt. drift. Looming to SW during afternoon.
18	8:30	4	78	55	163	56	28.51	−3	−16		0	do	122	Lt. snow during night.
18	12:35	5	78	59	163	56	-------	-------	-------			do	-------	Lt. snow.
18	20:00	6	79	04	163	56	28.11	−27	-------	SSE	3	-------	554	Clear since 16h.
19	8:00	6	79	04	163	56	28.26	3	−36	SE	1	St O'cast	554	Lt. snow in small flakes during night.
19	20:00	7	79	19	163	56	28.28	−25	-------	E	10	StCu	493	Lat. 79°18′5″. Encountered small sastrugi with hard crusty surface.
20	8:00	7	79	19	163	56	28.08	−16	−29	E	22	-------	493	Lt. drift.
20	18:30	7	79	19	163	56	27.83	−20	-------	SE	30	-------	493	Mod. drift.
21	8:00	7	79	19	163	56	27.61	−18	−30	SE	15	O'cast	493	
21	19:00	8	79	31	163	04	27.86	−22.5	-------	NW	15	do	376	Hard smooth surface.
22	8:00	8	79	31	163	04	-------	−19	−30	NW	3	-------	-------	Clear and cold.
22	20:00	9	79	45	163	27	28.62	−22	-------	SW	3	-------	186	Shower of ice crystals and halo at 12h. Sastrugi rougher; show SE winds predominate. St at 16h.
23	8:00	9	79	45	163	27	28.71	−13	−39		0	Hazy	186	Sun visible through haze all day.
23	20:00	10	80	02	163	45	28.55	−27	-------	NE	Lt.	Ci O'cast	236	Sastrugi more pronounced.
24	8:00	10	80	02	163	45	28.52	0	−33	SE	6	-------	236	Lt. snow.
24	11:30	11	80	07.5	163	55	-------	−3	-------	E	4	-------	-------	At Bolling Advance Base.
24	20:00	11	80	07.5	163	55	28.40	−10	-------	SE	5	-------	202	Lt. snow.
25	9:00	11	80	07.5	163	55	28.38	−6	−12	S	Lt.	Ci	202	
25	13:45	11	80	07.5	163	55	-------	−18	-------	NW	4	-------	-------	Clear.
25	20:00	12	80	13	163	50	28.36	−34	-------	NW	Lt.	Ci Lt	271	Rough sastrugi. Flags from last fall still visible.
26	8:00	12	80	13	163	50	28.38	−27	−45	W	10	Ci, ASt	271	Hazy to W. Lt. drift.
26	21:00	13	80	23	163	46	28.47	−40	-------	NW	3	Ci	274	
27	8:00	13	80	23	163	46	-------	−36	−45	SW	2	Few St	274	Clear. St on horizon in N and E.
27	18:00	14	80	36	163	23	28.91	−40	-------	NW	4	St WNW	171	St coming up rapidly. 80°32′—163°43′ at 13:15.
28	10:00	14	80	36	163	23	28.92	−25	−41	E	18	-------	171	Clear. Solar halo. Temp. −31 at 7h. Lt. drift.
28	18:00	15	80	46	162	18	28.78	−25	-------	SE	25	-------	13	Lt. drift.
29	8:00	15	80	46	162	18	28.50	−25	-------	S	20	-------	13	Lt. drift. Sun shining.
29	22:00	16	80	59	161	00	28.52	−38	-------	SW	8	Ci	217	80°50′—161°52′ at 18h.
30	9:25	16	80	59	161	00	28.57	−27	-------	W	10	Ci	217	
30	21:40	17	-------		-------		28.51	−40	-------	N	Lt.	Thin St	125	Looming in SW.
31	9:45	17	-------		-------		28.46	−22	−43	E	15	Clr	125	Came upon crevasses transverse to trail extending ENE to WSW.
31	20:10	18	81	22	161	24	28.33	−35	-------	SSW	12	-------	182	Crossed 2 filled trenches about 30 feet wide. In last one was a huge gaping hole with corniced edges; inadvisable to get close enough to view depth. The roof appeared to be at least 20 feet thick. About 8 miles out from morning camp there appeared to the W several cliffs or slashes in the otherwise fairly regular barrier surface, another indication of pressure disturbances in this area.
Nov. 1	8:00	18	81	22	161	24	28.30	−20	−39	S	12	O	182	Back tracked 14 miles to warn tractor party. Plateau Party remained camped here.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*—Continued

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position: Lat. S.	Position: Long. W.	Station pressure	Temperature: Dry	Temperature: Min.	Wind	Cloudiness	Elevation above sea level	Remarks
1934	180th mer.		° ′	° ′	Inches	°F.	°F.	From m. p. h.		Feet	
Nov. 1	23:00	19	81 08	161 15	28.30	−27	-------	SW 2	Ci---------	167	Crevassed area is about 173.8 miles S of Little America and extends S for about 3 miles with crevasses, cracks, and trenches trending ENE.
2	11:00	19	81 08	161 15	28.47	−19	−38	N Lt.	Ci---------	167	Mostly clear.
2	21:30	19	81 08	161 15	28.57	−34	-------	NNE 2	0---------	167	
3	8:35	19	81 08	161 15	28.75	−21	−45	NE 3	Lt. Ci-----	167	Mostly clear.
3	12:00	20	81 09	161 07	28.71	−34	-------	SE 5	Fog-------	180	
4	8:00	20	81 09	161 07	28.66	−11	−35	SE Lt.	Lt. St-----	180	
4	23:30	20	81 09	161 07	-------	−35	-------	-------	-------	180	
5	22:30	20	81 09	161 07	28.63	−36	-------	NW 2	0---------	180	
6	8:30	20	81 09	161 07	28.68	−16	−39	SE 1	O'cast-----	180	Foggy. Rockefeller Plateau Party leaves to travel eastward.
6	21:50	21	81 16	161 20	28.68	−18	-------	SE 8	---do-------	193	Fog all day. All exposed equipment covered with rime. Numerous haycocks. Many crevasses.
7	8:30	21	81 16	161 20	28.67	−8	-------	N 10	---do-------	193	
7	20:30	22	81 29	160 45	28.51	−16	-------	SW 5	---do-------	178	Fog and shower of ice crystals in mid-afternoon. Halo at 20h.
8	6:40	22	81 29	160 45	28.52	−4	−28	SE 25	---do-------	178	Blizzard at 10:25h. Low St. at 12h.
8	22:55	23	81 41	159 51	28.61	−18	-------	SE 1	StCu., ACu.	162	Mostly clear since 11h.
9	8:00	23	81 41	159 51	28.78	3	−21	S 8	O'cast-----	162	
9	20:20	24	81 56	159 15	28.88	−2	-------	SE 6	ASt-------	143	O'cast all day.
10	8:15	24	81 56	159 15	28.80	−5	−11	SW 2	Lt. St-----	143	
10	22:50	25	82 22	158 45	28.40	−23	-------	SW 6	0---------	340	Mostly clear all day. Sastrugi prominent, especially some of recent origin produced by SE wind.
11	10:15	25	82 22	158 45	28.12	−13	−32	SW 4	Lt. Ci-----	340	Ci in S.
12	0:30	26	---------	---------	28.12	−27.4	-------	SSE 5	-------	275	
12	10:00	26	---------	---------	28.05	−9.4	-------	NE 3	Low Ci----	275	
12	21:00	27	83 02	157 15	28.05	−10	-------	SSE	Lt. Ci-----	91	
13	14:15	27	83 02	157 15	28.12	−5.8	-------	S 30	-------	91	Mod. drift until 19h.
13	22:40	27	83 02	157 15	28.35	−14	-------	SSE 12	St---------	91	St on S horizon.
14	5:30	27	83 02	157 15	28.46	−10	−15	S 2	Lt. Ci-----	91	Wind moderated at 3:30. Mostly clear; sunny. Ci in NW.
14	19:37	28	83 18	156 45	28.45	1	-------	SSE 14	St---------	217	Supporting party turned back. Sastrugi crosshatched; recently from SE; from 6 to 12 inches high with low flat domes and anticlines. St on SW horizon. 83°03′—156°30′ at 10h.
15	8:25	28	83 18	156 45	28.48	−3	-------	SE 13	0---------	217	
15	22:00	29	83 34	155 36	28.28	−3.5	-------	S 12	0---------	206	Elevation apparently increasing immediately after leaving morning camp. Mountains sighted at 15h.
16	8:45	29	83 34	155 36	28.25	−3	−8	S 18	-------	206	
16	19:00	30	83 43	155 06	28.07	10	-------	SE 30	St---------	137	20 to 25 mile wind all day. Mod. drift. St in S and SE.
17	14:00	30	83 43	155 06	28.50	13	-------	SE 20	ASt--------	137	Lt. drift. Wind up to 50 m. p. h. until 13h.
17	21:05	30	83 43	155 06	28.51	4	-------	SE 15	ASt SW----	137	Sunshine.
18	8:45	30	83 43	155 06	28.37	13	0	SE 18	3 ASt, Ci--	137	Arrived 350-Mile Depot (403 statute miles) at 16h. Cracks and pressure about ½ mile beyond beacon. Position 83°58′ S—154°30′ W at 20h.
19	4:00	31	83 57	154 20	28.08	10	-------	SE 15	Ci---------	369	Encamped within pressure area.
19	10:00	31	83 57	154 20	28.15	14	-------	SE 20	Ci---------	369	

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*—Continued

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.					
1934	*180th mer.*		°	′	°	′	*Inches*	°*F.*	°*F.*	*From*	*m. p. h.*		*Feet*	
Nov. 19	21:30	32	84	10	154	45	28.18	8	-------	SE	12	Lt. St------	377	Worked through 7 miles of chasms and crevasses, trending SE to NW.; numerous monoclinal ridges and hogbacks. The sastrugi has a definite SE trend; apparently eroded; often etched in echelon.
20	8:00	32	84	10	154	45	28.30	4	4	SE	Lt.	Ci NW----	377	
20	21:00	33	84	28	153	45	28.42	8	-------	S	Lt.	St SW-----	496	Long rolls in the barrier surface, the axis trending E and W. Crossed a prominent and open (3 feet wide) crack extending E and W. About 200 miles of Queen Maud Range front in sight.
21	5:40	33	84	28	153	45	28.42	5	-------	SE	5	Few St-----	496	Sky almost cloudless; low St in SE.
21	23:45	34	84	50	151	15	28.27	−2	-------	----------		----------	592	Surface rough; hard low sastrugi with ESE trend. Crossed many filled in, solidly bridged, crevasses trending N and S. Many were 20 to 30 feet wide, had the appearance of sunken highways extending for miles. The giant rolls are rising to 100 feet above the troughs and with crests 2 to 10 miles apart.
22	17:30	34	84	50	151	15	27.99	7	-------	SSW	8	3 ASt SE---	592	Wind S 2 m. p. h. from 0h to 4h; then changed to W and increased. Crossed many large, filled crevasses; NE-SW trend. High wind gradually becoming ESE.
23	24:00	35	85	16	148	46	28.44	16	-------	E	10	St ESE---	199	Max. wind 35 m. p. h. with hvy. drift at 10:30h. At Mountain Base.
24	19:00	35	85	16	148	46	-------	26	-------	E	20	O'cast-----	199	Wind blew up to 50 m. p. h. at times; decreased to 18 m. p. h. by 17h.
25	0:30	35	85	16	148	46	28.31	22	20	E	28	---do------	199	Drifting snow.
25	5:00	35	85	16	148	46	28.43	22	-------	----------		----------	199	Clearing. Max. wind 50 m. p. h. at 2h.
25	20:40	35	85	16	148	46	28.69	11	-------	E	18	O'cast ASt-	199	Lt. drift.
26	8:45	35	85	16	148	46	28.75	17	10	E	15	----------	199	Lt. drift. Sunshine.
26	20:45	36	85	27	147	40	28.47	10	-------	E	Lt.	Ci W------	531	At foot of Supporting Party Mt. Encountered rippled snow surface and patches of hard blue ice in some cases pitted, rough, and rippled.
27	5:15	36	85	27	147	40	28.44	13	-------	E	6	1 Ci-------	531	
27	20:00	36	85	27	147	40	28.37	-------	-------	----------		----------	531	
28	4:15	36	85	27	147	40	28.34	14	11	SW	2	9 Ci-------	531	Solar halo. Crossed 7 miles of rippled ice; a few filled crevasses. Traversed a wide depression ending in a very smooth snow surface, almost no sastrugi, at about 2 miles E of Durham Point.
28	21:50	37	85	30	151	10	28.12	14	-------	ESE	15	Lt. Ci-----	717	
29	8:30	37	85	30	151	10	28.11	16	8	ESE	18	Ci, ASt----	717	Lt. drift.
29	18:15	38	85	38	151	55	27.18	16	-------	E	20	ASt, StCu--	1,560	At foot of Mt. Hamilton.
30	7:25	38	85	38	151	55	-------	27	15	N	Lt.	0----------	1,560	Vis. excellent.
30	20:00	39	85	57	151	14	26.19	15	-------	S	16	0----------	2,438	On blue ice most of day; ice rippled and marred with cracks and crevasses.
Dec. 1	6:30	39	85	57	151	14	26.22	21	12	S	14	3Ci--------	2,438	
1	17:45	40	86	06	150	35	25.29	7	-------	S	16	----------	3,462	Wind from 12 to 20 m. p. h. all day. The blue ice, almost without a crevasse, gave way to a long snow slope with very hard surface. Thorne Glacier Depot.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*—Continued

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.					
1934	180th mer.		°	′	°	′	Inches	°F.	°F.	From	m. p. h.		Feet	
Dec. 2	7:00	40	86	06	150	35	25.26	2	-------	S	16	Ci S-------	3,462	Drift during night.
2	21:45	41	86	13	149	15	24.66	−1	-------	S	3	----------	14,125	Crevasses and other pressure phenomena encountered during day. On Thorne Glacier.
3	6:50	41	86	13	149	15	24.60	4	−8	Var.	Lt.	Ci---------	4,125	Lt. Ci in N.
3	7:30	41	86	13	149	15	24.59	8	-------	Var.	Lt.	Ci---------	4,125	
3	21:15	42	86	26	149	40	23.94	4	-------	SE	30	0----------	4,713	Wind increasing since 9h. Sledging today over snow surface, then patches of ice which became thicker. The going was very rough; many low ridges and crevasses trending E and W. After several miles encountered smoother surface with ice and very hard snow with large filled trenches and crevasses.
4	12:00	42	86	26	149	40	24.00	−1	-------	SE	20	0----------	4,713	Lt. drift. Wind up to 50 m. p. h. during night.
4	23:00	43	86	39	148	03	23.91	10	-------	SE	25	Few-------	4,868	Sun shining. A few clouds over some of the large mts. to W.
5	9:35	43	86	39	148	03	24.00	8	3	ESE	20	StCu------	4,868	StCu forming over mts. High wind during night.
5	20:40	44	86	41	149	35	23.78	12	-------		0	----------	5,285	Camped on smooth hard surface; very little sign of sastrugi.
6	7:35	44	86	41	149	35	23.82	28	7	S	Lt.	St---------	5,285	Cu over mts.
6	20:25	45	86	57	151	55	22.97	−3	-------	SE	25	----------	6,144	
7	7:30	45	86	57	151	55	22.96	10	-------	SE	30	O'cast-----	6,144	Snowing. Gusts of wind up to 50 m. p. h.
7	20:50	46	86	58	152	20	22.83	5	-------	SE	30	---do-------	6,316	Now on moraine at N side of Mt. Weaver.
8	8:00	46	86	58	152	20	22.76	5	−2	SE	12	Pt. O'cast--	6,316	Snowing. 727 miles from Little America.
8	20:45	46	86	58	152	20	22.74	5	-------	SE	25	O'cast-----	6,316	Snowing all day.
9	9:00	46	86	58	152	20	22.66	1	−1	SE	24	Ci, ASt----	6,316	Sun shining.
9	22:30	46	86	58	152	20	22.62	−2	-------	SE	25	----------	6,316	
10	7:30	46	86	58	152	20	22.55	1	−5	SE	25	0----------	6,316	Few Ci in N.
10	21:30	46	86	58	152	20	22.52	-------	-------	----------		----------	6,316	
11	7:30	46	86	58	152	20	22.52	−3	−7	SE	25	Few Ci----	6,316	
11	20:00	46	86	58	152	20	22.56	−5	-------	SE	25	0----------	6,316	Mt. Weaver. Position 86°58′ S—152°30′ W. 212 miles from the Pole. Dec. 11 spent gathering specimens. Pressure at summit 20.66; temp. −13°. Elevation 8,411 feet above sea level.
12	7:00	46	86	58	152	20	22.60	0	−5	SE	20	0----------	6,316	Starting return journey to Little America at 9h.
12	20:00	47–44	86	41	149	35	23.62	3	-------		0	0----------	5,401	Crossed crevassed area; numerous trenches 10 to 30 feet wide and filled to within 1 or 2 feet of top.
13	8:00	47–44	86	41	149	35	23.64	7	−11		0	Lt. St------	5,401	
13	19:55	47–44	86	41	149	35	23.64	0	-------	S	2	----------	5,401	In camp all day.
14	7:30	47–44	86	41	149	35	23.65	1	-------	S	2	Lt. Ci-----	5,401	Clouds over John Oliver La Gorse Mts. Ci to N.
14	19:40	48	86	24	148	45	24.14	0	-------	SSW	4	----------	4,813	
15	8:00	48	86	24	148	45	24.10	1	-------	SE	10	----------	4,813	
15	19:30	49	86	15	149	30	24.76	9	-------	SSE	18	8 Ci, ASt---	4,214	Sun shining. Lt. drift and wind blowing down the glacier.
16	8:00	49	86	15	149	30	24.85	20	-------		0	Ci, StCu, ASt.	4,214	Lt. snow since 0h.
16	19:30	50	86	08	150	27	25.22	19	-------	N	Lt.	----------	3,935	Few flakes of snow falling. Snow and sunshine, intermittently during entire day. Many mts. and ranges of mts. visible. Cu clouds over some of the mt. peaks.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*—Continued

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.					
1934	*180th mer.*		° ′	° ′	*Inches*	°*F.*	°*F.*	*From*	*m. p. h.*		*Feet*	
Dec. 17	8:00	50	86 08	150 27	25.16	9	-------		0	8 ASt, Ci---	3,935	Some Cu over mts. to SE.
17	10:30	50	86 08	150 27	25.13	10	-------	N	Lt.	St, Ci------	3,935	Vis. fair. Small hexagonal crystals of snow fell at intervals during the day.
17	20:00	51	86 05	150 13	25.06	1.4	-------	E	Lt.	ACu-------	3,923	
18	8:00	51	86 05	150 13	24.96	1	1	E	Lt.	----------	3,923	Cu over the mt. ranges. Low fog on Thorne Glacier.
18	20:00	51	86 05	150 13	25.01	−6	-------	E	Lt.	O'cast-----	3,923	The fog has come down the glacier and is enveloping the camp.
19	7:30	51	86 05	150 13	25.11	3	-------	Var.	Lt.	0----------	3,923	Vis. excellent.
19	20:45	52	85 50	151 10	26.30	3	-------	E	Lt.	----------	2,665	Surface covered with 1 inch of loose snow in large flakes.
20	8:00	52	85 50	151 10	26.29	9	-------	Var.	Lt.	Ci---------	2,665	Clear except Ci and haze to N. 4 Skua gulls flew over camp and landed nearby.
20	22:50	53	85 35	151 40	27.32	10	-------	Var.	Lt.	----------	1,673	St and StCu over mt. range to S. Upland snow field visible.
21	7:30	53	85 35	151 45	27.32	10	-------		0	Ci S-------	1,673	
21	22:00	54	85 30	151 15	28.26	13	-------	ESE	8	Ci S-------	542	St at mts.
22	7:35	54	85 30	151 15	28.25	16	-------	SE	14	ASt--------	542	ASt on N horizon. At Durham Pt.
22	20:00	55	85 16	148 46	28.69	20	-------	ESE	19	----------	258	ASt and Ci to SW. At Mountain Base.
23	6:40	55	85 16	148 46	28.69	15	-------	ESE	17	Ci---------	258	Vis. excellent.
23	20:00	56	---------	---------	28.52	23	-------	ESE	7	8 Ci, CiCu--	594	Overcast part of afternoon.
24	8:00	56	---------	---------	28.46	25	-------	ESE	20	O'cast-----	594	Snowing and drifting. Passed 400-Mile Beacon at 84°40′ S—152°41′ W during day.
24	20:50	57	---------	---------	28.32	21	-------	SE	20	8 ACu, Ci--	512	Drifting snow. ASt to S. Snow and drift most of day. Crossed crevasses and filled trenches; trend ENE-WSW.
25	8:00	57	---------	---------	28.27	19	-------	SE	30	Few Ci----	512	Hvy. surface drift.
25	17:10	58	---------	---------	28.38	21	-------	SE	30	8 Ci-------	140	Sun visible at times.
26	8:00	58	---------	---------	28.73	18	-------	SE	35	0----------	140	Hvy. drift. Sun shining.
26	15:30	58	---------	---------	28.81	21	-------	SE	20	0----------	140	Drifting.
27	4:10	59	---------	---------	28.81	18	-------	SE	20	Few Ci----	115	Some clouds over mts. Much etched sastrugi.
27	17:00	59	---------	---------	28.72	19	-------	SE	30	----------	115	Hvy. drift. Confined to camp.
28	10:30	59	---------	---------	28.70	21	-------	ESE	28	Ci---------	115	Sky partly overcast to NE, E, and SE; sun shining. Drifting snow. Confined to camp.
29	4:45	60	83 37	154 45	28.91	23	-------	SE	25	Ci, S or SE--	76	Sun shining.
29	17:20	60	83 37	154 45	28.96	27	-------	SE	20	0----------	76	Surface drift. Passed through crevassed area.
30	5:45	61	83 09	157 06	28.99	25	-------	SE	20	Few Ci----	83	Camped at 300-Mile Beacon all day.
30	21:00	61	83 09	157 06	28.92	21	-------	SE	15	---do-------	83	
31	7:45	62	82 46	157 32	28.84	21	-------	SE	10	0----------	124	
31	19:30	62	82 46	157 32	28.72	23	-------	SE	10	0----------	124	Rough sastrugi indicating SE winds.
1935												
Jan. 1	7:45	63	82 23	158 39	28.75	21	-------	SE	11	0----------	197	
1	20:00	63	82 23	158 39	28.87	14	-------		0	Few Ci----	197	Lt. fog and fog bow at 22h.
2	8:00	64	81 56	159 15	29.20	23	-------	N	15	O'cast-----	232	
2	18:20	64	81 56	159 15	29.48	27	-------	N	17	---do-------	232	Lt. snow and drift. Poor vis.
3	7:35	65	---------	---------	29.66	21	-------	N	6	StCu, ASt--	100	81°35′ S—160°08′ W at 5h. A Skua gull followed sleds for about a mile at 237 miles.
3	17:00	65	---------	---------	29.66	23	-------	N	3	Few ASt---	100	Wind changed to S at 17:30.
4	7:30	66	81 10	161 05	29.48	19	-------	S	14	4 ASt, Ci---	72	Low sastrugi. In pressure area; numerous cracks and lenticular holes, trending E and W. Some haycocks.
4	23:00	66	81 10	161 05	29.38	21	-------	S	12	O'cast Ci---	72	Sun shining through clouds.
5	5:45	66	81 10	161 05	29.32	20	-------	S	9	5 Ci-------	212	Sun shining.
5	18:10	66	81 10	161 05	29.41	25	-------	SW	9	ASt NNW--	212	Fog to SE. Sun shining.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*—Continued

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.					
1935	180th mer.		° ′	° ′	Inches	°F.	°F.	From	m. p. h.		Feet	
Jan. 6	5:40	67	80 50	161 52	29.38	18	-------	SW	8	0----------	252	Smooth soft surface etched with 3- or 4-inch sastrugi.
6	19:10	67	80 50	161 52	29.33	21	-------	S	15	St O'cast---	252	St came in rapidly from S at 17h.
7	7:45	68	80 33	163 43	29.43	19	-------	SW	14	---do-------	246	Smooth surface with low sastrugi until 155 mile; after that, hard and large sastrugi; much rougher surface.
7	18:45	68	80 33	163 43	29.45	18	-------	SW	14	0----------	246	
8	8:00	69	80 07.5	163 55	29.45	14	-------	SW	20	O'cast-----	221	Lt. drift. At Bolling Advance Base. Fog from 0h to 2h.
8	19:50	69	80 07.5	163 55	29.43	23	-------	S	14	St O'cast---	221	
9	5:35	70	79 45	163 27	29.27	18	-------	S	7	Few-------	186	St on horizon to N. Surface marked with 1- or 2-inch sastrugi.
9	17:00	70	79 45	163 27	29.23	23	-------	S	2	---do-------	189	Looming to the E. St. to N.
9	20:20	71	----------	----------	29.28	20	-------	----------		----------	181	
10	5:30	72	79 16	163 56	28.90	18	-------	N	10	St O'cast---	625	Hard, rounded sastrugi from 60 miles to 50 mile beacon. After 50 mile beacon sastrugi lower but more numerous and the surface hard.
10	18:55	72	79 16	163 56	28.88	18	-------	N	7	O'cast-----	625	
11	7:05	73.1	78 34.1	163 56	29.65	30	-------	----------		---do-------	46	Arrived Little America.

TABLE 21.—*Meteorological Journal of Rockefeller Plateau Party, Oct. 16, 1934, to Jan. 2, 1935*

[Observer: E. Bramhall]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind		Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.				
1934	180th mer.		° ′	° ′	Inches	°F.	°F.	From	0-12	Feet	
Oct. 16	11:00	-----	78 34.1	163 56	-------	7	-------	----------		46	Left Little America.
16	17:00	1	78 45	163 56	28.47	−11.2	-------	NW	2	106	Completely overcast.
17	10:00	1	78 45	163 56	28.47	−3.1	-------	E	2	106	ACu overcast.
17	16:00	2	---------	---------	28.44	−2.2	-------	N	3	144	Drift and fog during night.
18	10:00	2	---------	---------	28.49	−5.8	−16	----------		144	Lt. snow.
18	16:00	3	---------	---------	-------	−13	-------	----------		-------	Do.
18	18:00	4	79 05	163 56	28.15	−33	−36	E	1	534	Clear.
19	10:00	4	79 05	163 56	28.23	−7.6	−36		0	534	
19	16:00	5	79 29	163 19	-------	−20.2	-------	N	1	343	ASt and Cu.
20	12:00	5	79 29	163 19	28.15	−13	−29	S	6	343	Blizzard all day.
21	10:00	5	79 29	163 19	-------	−22	−30	SE	3	343	
21	16:00	6	---------	---------	-------	−22	-------	SW	1	300	High wind during night.
22	8:00	6	---------	---------	28.19	−14.8	-------		0	300	
22	19:00	7	80 07.5	163 55	-------	−29.2	-------	NW	2	159	Clear most of day.
23	8:00	7	80 07.5	163 55	28.70	−31	-------		0	159	At Bolling Advance Base.
24	17:00	8	---------	---------	28.40	−6.7	-------	E	2	240	Lt. snow.
24	24:00	8	---------	---------	-------	−18	-------	SE	2	240	Overcast.
25	20:00	8	---------	---------	28.35	−29.2	-------		0	240	
26	20:00	9	80 32	163 30	28.42	−42.5	−44		0	303	Scattered Ci. Vis. good.
27	8:00	9	80 32	163 30	28.65	−33	−45		0	303	Near or at 125-Mile Depot.
27	14:00	10	---------	---------	28.85	−36	-------	W	1	275	Clear.
28	20:00	11	---------	---------	-------	−35	-------	NW	2	137	
28	9:00	11	---------	---------	28.87	−25	−39	ESE	4	137	
28	15:00	12	---------	---------	28.75	−27	-------	SE	5	94	Lt. drift. Vis. poor.
29	9:00	12	80 52	162 09	28.45	−22	−43.5	S	5	94	Drifting snow.
29	15:00	13	---------	---------	28.47	-------	-------	S	3	214	
29	21:00	14	---------	---------	28.48	−38	-------	SW	2	274	
30	9:00	14	---------	---------	28.47	−25	-------	NW	3	274	
30	18:00	15	---------	---------	-------	−27	-------	NW	2	-------	Clear all day.
30	23:00	16	---------	---------	28.47	−42	-------		0	240	
31	12:00	16	---------	---------	28.45	−18	−42.5	NE	3	240	
31	18:00	17	81 22	161 24	28.33	−32	-------	N	4	232	Cold wind.
Nov. 1	12:00	17	81 22	161 24	28.25	−22	−40	S	2	232	
1	19:00	17	81 22	161 24	28.25	−30	-------	SSE	2	232	Clear.

TABLE 21.—*Meteorological Journal of Rockefeller Plateau Party, Oct. 16, 1934, to Jan. 2, 1935*—Continued

[Observer: E. Bramhall]

Date	Time	Camp No.	Position: Lat. S.	Position: Long. W.	Station pressure	Temperature: Dry	Temperature: Min.	Wind		Elevation above sea level	Remarks
1934	*180th mer.*		° ′	° ′	*Inches*	°*F.*	°*F.*	*From*	*0-12*	*Feet*	
Nov. 2	9:00	17	81 22	161 24	28.36	−19.5	-------		2	232	CiSt.
2	18:00	18	81 02	161 00	-------	−28	-------		3	232	Clear.
3	12:00	18	81 02	161 00	-------	-------	-------	E	3	-------	Ci.
3	18:00	19	81 09	161 07	28.70	-------	-------		0	190	Clear. Good vis.
4	11:00	19	81 09	161 07	28.70	−22	-------		0	190	Clear.
5	12:00	19	81 09	161 07	-------	−20.5	-------		0	190	Do.
5	20:00	19	81 09	161 07	28.60	−34	-------		0	190	
6	12:00	19	81 09	161 07	28.60	-------	-------		0	190	Poor vis. during morning. Clear for short time in afternoon.
7	2:00	20	81 01	159 40	-------	−25	-------	NNE	2	244	
7	8:00	20	81 01	159 40	28.55	-------	-------	N	4	244	Fog. Poor vis.
8	11:00	20	81 01	159 40	28.45	−5.5	-------	N	2	244	Lt. snow. Vis. zero.
8	21:00	20	81 01	159 40	-------	−7	-------	NE	2	244	
9	8:00	20	81 01	159 40	28.70	−5	−8	E	3	244	Lt. snow. Vis. zero.
9	23:00	20	81 01	159 40	-------	-------	-------	NE	3	244	Steady wind; high temp.
10	8:00	20	81 01	159 40	28.68	−7.5	−8.5	SE	2	244	Clear except for Cu in SE.
10	17:00	21	81 06	157 28	28.53	−16	-------		0	239	
11	8:00	21	81 06	157 28	28.18	−28	-------	SE	2	239	
11	16:00	21	81 06	157 28	-------	-------	-------	NW	2	239	Clear.
12	1:00	21	81 06	157 28	-------	−26	−32	NE	6	239	Drifting snow. Vis. vy. bad.
12	5:00	21	81 06	157 28	28.08	−24	-------	NE	5	239	
12	10:00	21	81 06	157 28	28.05	−17	-------	E	3	239	Wind decreased at noon and sky clear for a few hours.
12	15:00	21	81 06	157 28	28.05	−14	-------	E	4	239	
13	8:00	21	81 06	157 28	27.95	−16	-------	SW	2	239	
13	20:00	21	81 06	157 28	28.27	−10	-------	E	5	239	Drifting snow.
14	8:00	21	81 06	157 28	28.42	−3	-------	SE	3	239	Overcast.
14	20:00	21	81 06	157 28	-------	−22	-------	S	3	239	Cleared later with clouds in S.
15	8:00	21	81 06	157 28	28.38	−12	-------	S	4	239	
15	14:00	21	81 06	157 28	28.38	−9	-------	SE	3	239	Clear. Wind gusty.
15	21:00	21	81 06	157 28	28.28	−16	-------	S	2	239	
16	8:00	21	81 06	157 28	28.15	−15	-------	S	3	239	Clear.
16	16:00	21	81 06	157 28	28.08	−11	-------	S	3	239	
16	23:00	22	-------	-------	28.06	−20	-------	W	2	224	
17	2:00	22	-------	-------	28.06	−21	−20.5		0	224	Clouds in S.
17	10:00	22	-------	-------	28.18	−10	-------	NE	7	224	Hvy. drift.
17	18:00	22	-------	-------	28.36	−1	-------	E	3	224	Clearing.
18	1:00	23	81 01	159 45	-------	-------	-------		0	-------	Clear and calm.
18	12:00	24	80 37	157 11	-------	-------	-------		0	293	
19	13:00	24	80 37	157 11	28.15	−0.4	-------		0	293	Clear.
19	19:00	24	80 37	157 11	28.22	−11.2	-------	E	2	293	Clouds in N.
19	24:00	24	80 37	157 11	28.36	-------	-------	E	4	293	Lt. drift.
20	15:00	24	80 37	157 11	28.60	−0.4	-------	E	3	293	
20	23:00	24	80 37	157 11	28.67	−14.8	-------		0	293	Clear.
21	8:00	25	-------	-------	28.65	−3	-------	NE	1	315	
21	12:00	26	80 29	151 32	28.65	3	-------	E	2	329	Clear except for few clouds in SE.
22	1:00	26	80 29	151 32	-------	-------	-------		0	329	Clear.
22	19:00	26	80 29	151 32	28.34	−8	-------		0	329	
23	11:00	26	80 29	151 32	28.37	−1	-------	N	2	329	Scattered St.
23	18:00	27	80 27	149 04	28.15	-------	-------	SW	3	365	
23	20:00	27	80 27	149 04	28.13	-------	-------	SW	3	365	
24	8:00	27	80 27	149 04	28.20	-------	-------	NW	4	365	Lt. drift.
24	13:00	27	80 27	149 04	28.10	4	-------	N	3	365	
24	20:00	27	80 27	149 04	-------	5.3	-------	N	3	365	Overcast.
25	15:00	27	80 27	149 04	-------	15	-------	N	5	365	Drifting snow. Overcast.
26	2:00	27	80 27	149 04	28.70	13	-------	NE	4	365	Overcast.
26	18:00	27	80 27	149 04	28.68	15	-------	E	2	365	Vis. zero.
27	4:00	27	80 27	149 04	28.70	13	-------	E	3	365	Clearing in E.
27	11:00	28	-------	-------	28.65	15	-------	NW	1	371	Clear overhead and to N.
28	22:00	29	79 39	149 33	28.62	−1.5	-------		0	323	Clear.
29	11:00	29	79 39	149 33	28.40	9.5	-------		0	323	Clear except in NE.
29	14:00	29	79 39	149 33	-------	-------	-------	NE	2	323	Overcast.
29	21:00	29	79 39	149 33	-------	-------	-------		0	323	Do.
30	18:00	29	79 39	149 33	28.63	-------	-------	NE	3	323	Cloudy. Wind gusty.
30	24:00	29	79 39	149 33	-------	18	-------	NE	4	323	
Dec. 1	15:00	29	79 39	149 33	28.48	-------	-------	N	3	323	High wind during early morning, probably up to 50 m. p. h.
1	24:00	30	-------	-------	-------	14	-------	N	3	-------	Overcast.
2	6:00	31	-------	-------	28.34	14	-------	N	3	643	ACu.
3	4:00	32	79 17	149 00	27.13	−8.6	-------	N	3	1,710	Clear.
3	15:00	32	79 17	149 00	27.07	17	-------	N	1	1,710	Hvy. fog at 22h.
4	12:00	32	79 17	149 00	27.09	18	-------		0	1,710	Clear.
4	15:00	32	79 17	149 00	-------	13	-------		0	1,710	
4	16:00	33	79 07	149 24	27.13	11	-------		0	1,427	
5	20:00	33	79 07	149 24	27.72	12	-------		0	1,427	Vis. zero.
6	12:00	33	79 07	149 24	27.85	13	-------		0	1,427	Few clouds in S.

TABLE 21.—*Meteorological Journal of Rockefeller Plateau Party, Oct. 16, 1934, to Jan. 2, 1935*—Continued

[Observer: E. Bramhall]

Date	Time	Camp No.	Position				Station pressure	Temperature		Wind		Elevation above sea level	Remarks
			Lat. S.		Long. W.			Dry	Min.				
1934	*180th mer.*		°	′	°	′	*Inches*	°*F.*	°*F.*	*From*	*0–12*	*Feet*	
Dec. 6	17:00	34	79	00	150	31	28.17	2	-------		0	1,013	
7	15:00	34	79	00	150	31	28.28	10	-------		0	1,013	Lt. snow. Vis. zero.
8	11:00	34	79	00	150	31	28.05	8	-------		0	1,013	Clear. Fog from NW in afternoon. Shower of ice crystals at 22h.
9	13:00	34	79	00	150	31	27.95	22	-------	SE	1	1,013	Mostly clear; St in NW.
9	21:00	35	79	00	150	24	28.13	9	-------		0	878	Clear.
10	10:00	35	72	00	150	24	28.18	19.5	-------		0	878	Do.
10	15:00	35	79	00	150	24	28.18	14	-------	W	1	878	
11	20:00	35	79	00	150	24	28.19	10	-------		0	878	Ci overcast. Calm and clear in morning. CiSt at 22h.
12	22:00	36	-------		-------		-------	-------	-------	W	2	-------	Clear all day.
13	4:00	37	78	48	150	33	27.30	21.2	-------		0	1,818	Thin ACu.
13	24:00	37	78	48	150	33	27.32	-------	-------	N	2	1,818	Clear except for a few clouds in N.
14	4:00	38	78	33	150	29	26.26	-------	-------	N	2	2,793	Clouds in E.
14	10:00	38	78	33	150	29	-------	11	-------	-------		-------	Clear. Fog on horizon.
15	6:00	38	78	33	150	29	26.15	3.2	-------	E	3	2,793	Clear.
16	8:00	38	78	33	150	29	26.32	-------	-------	N	3	2,793	Fine and clear.
17	13:00	39	78	23	152	12	26.64	-------	-------		0	2,540	Clear. At 150-Mile Depot on Eastern Trail.
17	24:00	39	78	23	152	12	26.55	-------	-------		0	2,540	Overcast.
18	23:00	40	78	25	153	20	27.73	-------	-------	E	2	1,509	
19	10:00	40	78	25	153	20	27.60	23.9	-------	E	2	1,509	Overcast all morning.
19	16:00	40	78	25	153	20	27.62	26.6	-------	-------		1,509	Clear in E.
20	5:00	40	78	25	153	20	27.52	21.2	-------	E	5	1,509	Lt. drift.
20	12:00	40	78	25	153	20	27.60	23	-------		0	1,509	
20	18:00	40	78	25	153	20	27.62	17.6	-------		0	1,509	Clearing.
21	11:00	40	78	25	153	20	-------	23	-------	-------		1,509	
21	19:00	40	78	25	153	20	27.33	23	-------	E	7	1,509	Blizzard from E all day.
22	10:00	40	78	25	153	20	-------	26.6	-------	E	6	1,509	
22	20:00	40	78	25	153	20	-------	27.5	-------	ENE	6	1,509	Snowing and drifting. Signs of clearing in N.
23	12:00	40	78	25	153	20	-------	28.4	-------	W	3	1,509	Lt. snow. Overcast.
23	20:00	40	78	25	153	20	27.63	13.1	-------	N	2	1,509	Fog clearing.
24	14:00	40	78	25	153	20	-------	-------	-------	ESE	2	1,509	Lt. snow. Overcast.
24	20:00	40	78	25	153	20	27.12	17.6	-------	SE	3	1,509	Overcast.
25	16:00	40	78	25	153	20	27.10	19.4	-------	E	3	1,509	Overcast all day.
26	11:00	40	78	25	153	20	27.17	23.9	-------		0	1,509	Clearing in E.
26	13:00	40	78	25	153	20	27.17	23.9	-------		0	1,509	
26	21:00	40	78	25	153	20	-------	10.4	-------	E	2	1,509	
27	18:00	40	78	25	153	20	27.13	17.6	-------	E	2	1,509	Clouds in N and W. Overcast all morning.
27	20:00	40	78	25	153	20	27.15	9.5	-------	-------		-------	Clear.
28	10:00	40	78	25	153	20	27.23	24.8	-------	E	4	1,509	Lt. drift. Wind gusty.
28	21:00	40	78	25	153	20	27.30	15.8	-------	E	4	1,509	Lt. drift.
29	2:00	40	78	25	153	20	27.32	16.7	-------	E	3	1,509	
29	5:00	41	78	27.7	154	21.5	28.13	23.9	-------	NE	3	802	At 120-Mile Depot on Eastern Trail.
29	10:00	41	78	27.7	154	21.5	-------	24.8	-------	E	5	802	
30	24:00	41	78	27.7	154	21.5	28.10	15.8	-------	E	3	802	
30	8:00	42	78	23	155	50	28.45	-------	-------		0	584	
31	-------	42	78	23	155	50	28.38	17.6	-------		0	584	
31	4:00	42	78	23	155	50	28.30	14	-------		0	584	Clear.
	9:00	43	-------		-------		28.34	20	-------	S	2	510	
1935													
Jan. 1	12:00	44	78	34	159	56	28.45	23.9	-------	SE	2	473	Clear.
1	14:00	44	78	34	159	56	28.46	-------	-------	S	2	473	Clear overhead; clouds in E.
1	23:00	45	-------		-------		28.78	-------	-------	N	3	412	Overcast.
2	4:30	------	78	34.1	163	55	[1] 29.06	-------	-------	N	4	-------	Lt. snow and drift. Vis. zero. At Little America.

[1] The reading of the aneroid of 29.06 when the party returned to Little America does not agree with the correct station pressure there which was 29.36. Either the value of 29.06 represents an incorrect reading of the instrument or else the aneroid became out of adjustment somewhere during the journey and if so this must have occurred after Nov. 23, since the pressure on this date agrees well with that deduced from the aero-meteorograph record when the plane landed at the position occupied by the party. There is therefore the possibility that beginning sometime after Nov. 23, all elevations are about 300 feet too high. (G. G.)

TABLE 22.—*Meteorological observations received by radio from the Ellsworth Expedition, Oct. 22, 1934, to Jan. 11, 1935*

AT DECEPTION ISLAND UNTIL NOV. 27

Date	Time	Pressure sea level	Temperature	Wind		Cloudiness	Clouds	Visibility	Remarks
1934	*180th mer.*	*Inches*	*°F.*	*From*	*m. p. h.*	*0-10*		*Kilometers*	
Oct. 22	12:00	28.65	29	WNW	24	10	NbSt	1	Snowing.
23	0:00	28.76	21	WSW	24	10	NbSt	1	Do.
23	12:00	29.36	19	SW	27	5	FrSt	20	Snow E. 0:30h.
24	0:00	29.44	29	W	14	10	NbSt	0	Snowing.
24	12:00	29.47	32	W	46	10	St	0	Snow E. 4:00h.
25	0:00	29.24	31	WNW	37	10	NbSt	0	Hvy. snow 23h to 0:30h.
25	12:00	29.20	32	W	48	10	FrSt, NbSt	1	
26	0:00	28.86	33	WNW	17	------	NbSt	2	Snowing.
26	12:00	28.95	31	W	40	10	3 StCu, 8 ACu	15	Snow E. 4:00h. Wind W to SW to S 55 from 4h to 10h.
27	0:00	29.05	22	W to S	10	------	St	Unl.	Clear.
27	12:00	29.13	26	W to S	6	7	Cu, ACu	Unl.	
28	0:00	28.84	30	W to S	26	10	St	5	Snow from 13h to 17h.
28	12:00	29.08	29	WSW	6	1	ASt	Unl.	Clear.
29	0:00	29.18	29	W	1	4	ACu	Unl.	
29	12:00	29.25	32	W	2	10	St	¼	Snow from 21h to 9h.
30	0:00	28.70	34	WNW	36	10	St	3	Sleet from 14h to 24h.
30	12:00	28.90	32	W	14	10	St	3	Sleet from 0h to 12h.
Nov. 17	0:00	29.37	36	WNW	30	10	St	4	Drizzling.
17	12:00	29.47	34	NNW	19	10	NbSt	3	Sleet.
18	0:00	29.50	34	NW	9	10	St	7	
18	12:00	29.64	33	W	25	6	FrSt	50	Lt. clouds.
21	0:00	30.06	32	WSW	15	8	Ci, ACu	50	
21	12:00	30.05	33	WNW		10	St	1	Fog since 5h.
22	0:00	30.06	32	NW	5	10	St	1	Fog.
22	12:00	29.86	32	NW	20	10	St	1	Do.
23	12:00	29.83	30	W	2	8	Ci	20	Hazy.
24	0:00	29.73	33	WNW	17	4	ACu	3	Lt. snow at 18h.
24	12:00	29.77	32	NW	10	10	St	2	Fog since 2h.
25	0:00	29.70	33	WNW	8	10	St	50	Lt. fog.
25	12:00	29.63	29	NW	8	10	St	50	Do.
26	0:00	29.51	35	N	5	10	St	4	Fog.
26	12:00	29.47	------	WSW	4	8	St	10	Do.

AT SNOW HILL ISLAND UNTIL JAN. 11

1934									
Dec. 2	0:00	28.69	34	N	31	6	ACu	10	Fog and lt. snow from 16h to 21h.
2	12:00	28.72	31	SW	4	9	St	1	Fog.
3	0:00	28.89	33		0	9	StCu, ACu	50	Snow from 17h to 18h.
3	12:00	28.81	32		0	9	StCu	50	
4	0:00	28.77	31	E	3	9	StCu	50	
4	12:00	28.77	30	------		4	StCu, Ci	50	
5	0:00	------	33		0	9	StCu	40	Lt. snow from 19h to 20h.
5	12:00	28.97	32	N	2	8	ACu, StCu	40	
6	0:00	29.05	23		0	10	ACu, StCu	20	
6	12:00	29.09	31	ENE	8	10	StCu	10	Snow from 10h to 11h.
7	8:00	29.13	39	SE	2	10	------	------	Low overcast. Lt. snow at 8h.
8	0:00	29.24	31	ESE	1	9	St	15	Lt. snow since 23h. Low overcast.
8	12:00	29.31	30	NNE	3	9	St, StCu	15	Low overcast.
9	0:00	29.30	32	ENE	16	6	St, Few Ci	25	
9	12:00	29.24	31	SE	5	10	StCu	20	Low overcast.
10	0:00	29.10	31	SSE	15	9	CiSt, Few St	20	
10	12:00	29.15	29	SSE	10	10	NbSt	2	Lt. snow since 4h.
11	0:00	29.24	29	S	8	10	StCu	4	Lt. snow.
11	14:00	28.80	29	SSW	30	10	St	¼	Snow and fog.
13	0:00	28.57	31	SSW	20	10	Low St	½	Do.
14	0:00	28.69	32	S	28	10	NbSt	¼	Do.
15	0:00	28.87	31	SW	31	10	St	------	Lt. snow and fog.
15	8:00	28.89	33	WSW	28	10	St	2	Do.
15	11:00	------	------	WSW	20	10	ASt	4	Fog.
16	0:00	28.81	27	WSW	30	3	Ci, CiSt	1	Do.
16	11:00	28.92	30	WSW	25	10	St	½	Snow and fog.
17	8:00	29.17	28	WSW	45	9	ACu	2	Fog.
18	0:00	29.35	26	WSW	27	1	ACu	1	Low fog.
18	8:00	29.44	30	SSW	10	2	StCu, ACu	50	Fog E. 3h.
18	11:00	29.47	------	W	5	1	StCu	50	
19	0:00	29.36	33	NE	4	3	Low St	50	
19	8:00	------	------		0	------	------	50	Clouds on N. horizon.
20	1:00	29.08	35	WSW	27	10	ASt	30	
20	11:00	29.10	33	W	8	8	StCu	50	
20	20:00	29.15	25	WSW	15	10	StCu	10	Lt. snow.
21	0:00	28.98	29		18	4	Ci	50	
21	8:00	29.00	29	WSW	30	6	ACu, Ci	3	Low fog.

TABLE 22.—*Meteorological observations received by radio from the Ellsworth Expedition, Oct. 22, 1934, to Jan. 11, 1935*—Continued

AT SNOW HILL ISLAND UNTIL JAN. 11—Continued

Date	Time	Pressure sea level	Temperature	Wind		Cloudiness	Clouds	Visibility	Remarks
1934	*180th mer.*	*Inches*	*°F.*	*From*	*m. p. h.*	*0-10*		*Kilometers*	
Dec. 22	20:00	29.22	25	WSW	2	4	Ci NW	4	Clear.
23	8:00	29.00	30	SE	1	10	10 ASt, 4 St	8	Lt. snow and fog.
23	16:00	29.02	28	S	10	10	NbSt	2	Lt. snow.
24	8:00	29.07	30	S	12	8	Low St	0	Snow squalls.
24	20:00	29.22	38	SSW	11	10	Low St	10	
25	11:00	29.31	29	SW	9	9	6 ASt, 3 StCu	30	
25	20:00	29.38	28	WSW	3	9	StCu	30	
26	8:00	29.44	32	ENE	2	8	StCu NE	50	
26	11:00	------	------	------		9	StCu	------	Pressure rising, otherwise unchanged.
26	20:00	29.53	30	NE	6	8	CiSt	50	
27	8:00	29.52	35	NE	7	10	ASt, few St SW	40	High overcast.
27	11:00	29.52	------	------		5	CiCu, ACu SW	------	
27	20:00	29.49	32	NNE	14	3	ACu WSW	10	Snow and lt. fog.
28	8:00	29.50	36	ESE	2	10	Low St	10	
28	20:00	29.55	32	WSW	3	10	Low St	5	
29	8:00	29.62	34	WSW	18	10	8 ASt, 3St	20	
30	0:00	29.61	35	E	10	10	10 StCu, 2 St	2	Hazy.
30	8:00	29.71	37	SW	3	3	StCu	50	Clear since 5h.
30	20:00	29.69	32	N	4	3	Ci	50	Wind N 4; vis. 5; fog and low clouds at 21h.
31	8:00	29.58	37		0	9	ASt	40	
31	20:00	29.30	32		0	10	Low St	20	Sleet and snow B. 21h.
1935									
Jan. 1	8:00	29.51	32	SSW	30	10	Low St	8	Sleet and snow until 6h.
1	20:00	29.69	29	SW	27	10	Low St	10	Lt. snow flurries.
2	8:00	29.77	34	SW	27	10	Low StCu	15	
3	0:00	29.78	31	SW	25	1	St	50	
4	0:00	29.39	35		0	1	ACu	50	
4	8:00	29.18	39	N	5	7	ACu SW	50	
5	0:00	29.24	29	SSW	22	10	StCu	25	Lt. snow.
5	8:00	29.35	31	S	18	10	StCu	10	Do.
6	0:00	29.48	28	W	20	10	StCu	30	Occasional lt. snow.
6	8:00	29.55	27	SSW	18	10	NbSt	20	
7	0:00	29.66	26	SSW	12	10	StCu	25	Occasional lt. snow.
7	8:00	29.73	27	SSW	21	9	StCu	30	Intermittent showers.
10	0:00	29.50	24	SW	28	10	Low St	2	Lt. fog.
10	8:00	29.50	29	SW	36	4	StCu	50	
10	11:00	------	------	SW	23	10	StCu	------	
11	0:00	29.45	27	W	19	9	St, StCu	15	Occasional lt. fog.
11	11:00	29.37	29	N	8	8	Ci, Few StCu	50	

TABLE 23.—*Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929*

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level [1]	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		*0-9*	*Inches*	
Jan. 1	8	29.643	23.5	24.0	------	SW	3	9	2 ASt (0?), 7 StCu SW.	----	6	------	
1	14	29.607	25.9	------	------	SW	7	10	StCu SW	----	6	------	
1	20	29.622	26.5	------	------	SW	3	8	StCu SW	----	7	0	
2	8	29.612	26.5	26.0	------	SSE	3	10	StCu SSE	----	5	------	
2	20	29.672	24.5	------	------	SW	3	9	StCu SW	----	7	0	
3	8	29.764	28.0	28.0	------	NE	9	8	3 ASt E, 5 StCu NE.	----	7	------	
3	14	29.772	33.3	------	------	ENE	11	2	2 ASt E, Few Cu ENE.	----	7	------	
3	20	29.762	25.3	36.5	------	E	11	9	ASt ENE	----	7	0	
4	8	29.714	23.5	24.0	16.1	ESE	10	8	ACu NE	----	7	------	
4	14	29.673	28.0	------	------	ESE	12	4	2 ACu NE, 2 ASt NE.	----	8	------	
4	20	29.681	21.9	27.0	------	SE	9	2	Few CiCu E, 2 Acu E.	----	7	0	
5	8	29.672	20.5	23.5	15.8	SE	9	7	ACu SW	----	5	------	
5	14	29.667	31.8	------	------	ESE	7	1	ACu SSW	----	7	------	
5	20	29.653	27.0	------	27.0	E	8	7	Few ACu NNE, 7 StCu NNE.	----	6	0	A fine day.

[1] Pressures in parentheses determined from barograph trace.

TABLE 23.—*Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929*—Continued

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		*0-9*	*Inches*	
Jan. 6	8	29.664	30.2	32.5	26.0	NE	12	9	8 StCu N, 1 St NE	----	5	------	Sky darkened rapidly in NNE at 10h, a snow squall reaching the ship at 10:24h. Lt. snow from 10:24h to 12:15h.
6	14	29.639	30.2	------	------	NE	13	10	StCu NE	----	6	------	
6	20	29.618	29.7	------	26.0	N	12	9	6 StCu N, 3 St N	----	6	.5	Dn. fog from 22 h to 2:30.
7	8	29.581	23.0	31.0	19.0	N	3	10	St N	----	5	------	
7	14	29.517	30.0	------	------	ENE	2	10	StCu 0	----	6	------	
7	20	29.451	22.1	34.7	19.0	S	9	9	StCu ENE	----	6	0	
8	8	29.494	19.0	23.5	17.0	SW	18	9	StCu SW	----	6	------	
8	14	29.520	20.2	------	------	SSW	16	10	StCu SW	----	6	------	
8	20	29.589	18.9	21.4	16.6	SSW	12	9	St SSW	----	7	T	Lt. snow at intervals during day. StCu changed to layer of St at about 300 m. or lower in evening.
9	8	29.641	27.6	27.6	16.1	NNE	12	10	StCu NNE	----	5	------	
9	14	29.644	29.5	------	------	N	16	10	StCu (0?)	----	7	------	Hvy. layer of CiSt, at about 7,500 m.; moving slowly from WSW at 14 h.
9	20	29.599	28.4	29.5	27.6	NE	19	9	8 ACu NW, 1St NE	----	7	T	Bay choppy all day. Barometer settling in the evening; wind veering from N towards E, increasing steadily. Lt. snow B. 10:45h.
10	8	29.383	16.0	28.4	15.8	SE	21	10	St SE	----	3	------	Lt. to mod. snow until 9h. Drifting.
10	14	29.320	20.0	------	------	SSE	27	9	ASt	----	2	------	Drifting snow.
10	20	29.352	18.0	20.5	15.5	SSE	23	9	5 CiSt WSW, 2 ASt WSW, 2 ACu W.	----	3	2.0	Do.
11	8	29.434	14.0	18.0	13.0	SW	21	6	1 CiSt WSW, 5 ACu WSW.	----	3	------	Do.
11	14	29.530	14.0	------	------	SSW	21	3	1 Ci W, 2 ASt W	----	4	------	Do.
11	20	29.577	12.0	14.6	12.0	SW	16	2	2 Ci W, Few StCu SW.	----	8	0	Drift extended only about 50 ft. above surface.
12	8	29.652	14.8	14.8	8.5	SSW	4	5	St W	----	9	------	ACu appeared in SW at 9h, advancing overhead and giving way to a solid layer of StCu before 12h.
12	14	29.624	27.3	------	------	NE	5	10	StCu N	----	6	------	
12	20	29.578	27.3	30.0	14.8	N	12	10	StCu N	----	6	T	Occasional lt. snow flurries from 14h to 21h.
13	8	29.487	27.0	27.3	26.3	NNW	9	10	StCu NW	----	6	------	Occasional lt. snow during morning.
13	14	29.463	32.0	------	------	ESE	7	9	StCu 0	----	8	------	
13	20	29.440	28.0	32.0	23.9	E	7	4	StCu 0	----	8	T	
14	8	29.492	26.5	28.0	13.4	ESE	7	5	1 ACu 4 St N	----	8	------	
14	14	29.479	30.2	------	------	E	4	9	StCu WSW	----	8	------	
14	20	29.484	30.0	32.8	24.0	E	3	9	4 ASt WNW, 5 StCu NW.	----	7	.5	Lt. snow. Ci from WNW at 19h.
15	8	29.529	19.3	30.0	19.3	SE	10	9	StCu NNW	----	7	------	Lt. snow continued steadily during early morning until 6:30h; snowfall estimated at ¾ inch.
15	14	29.588	25.4	------	------	SE	12	3	3 ACu ENE, Few StCu.	----	8	------	
15	20	29.620	12.5	26.7	12.5	S	6	2	2 ACu NE, Few Cu	----	9	.8	Cu are along E horizon and have appearance of small thunderheads.
16	8	29.622	15.0	15.0	4.0	SE	9	1	1 Ci WNW, Few St SE.	----	7	------	
16	14	29.645	19.0	------	------	S	8	2	2 Ci WNW, Few St S.	----	9	------	
16	20	29.546	8.0	19.0	8.0	SS	9	1	Ci WNW	----	9	0	A fine day with bright sunshine. Lt. sea smoke over open bay water during evening.
17	8	29.314	14.0	16.4	2.7	S	9	3	StCu S	----	9	------	

TABLE 23.—*Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929*—Continued

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		0-9	Inches	
Jan. 17	14	29.250	27.8	------	------	SSE 7	1	1 ACu NW, Few StCu S.	----	9	------	
17	20	29.172	5.0	27.8	5.0	SSW 6	1	1 ACu, Few St	----	9	0	
18	8	28.941	9.0	11.4	2.8	SSW 13	5	ACu 0	----	9	------	
18	14	28.934	12.5	------	------	SSW 20	8	6 ACu (SSE?), 2 StCu SSW.	----	6	------	
18	20	28.967	12.3	12.6	9.0	SW 16	9	StCu SW	----	7	0	
19	8	(29.12)	7.6	12.3	4.8	SSW 9	1	1 Ci NNE, Few St SSW.	----	9	------	
19	14	(29.21)	14.6	------	------	SSW 12	8	8 CiSt NNE, Few St. SW	----	9	------	
19	20	(29.24)	12.5	15.4	7.6	SSW 15	9	CiSt NNE	----	9	0	A bright day. 22° solar halo visible after 14h.
20	8	(29.33)	15.4	15.4	10.5	SSW 20	7	1 CiSt NNE, 6 ACu NNE, Few St SW.	----	6	------	Report from whaler *C. A. Larsen*, at 22h: Position 74°45′ S—179°00′ E; pressure 29.02; lt. SE wind; cldy.; 32° F.
20	14	(29.45)	18.5	------	------	S 20	9	6 ASt NNE, 3 St S.	----	6	------	
20	20	(29.49)	20.3	20.3	15.4	S 12	10	StCu SSW	----	7	.5	Lt. snow.
21	8	(29.54)	31.3	34.5	20.3	E 12	10	Nb E	----	5	------	Occasional lt. snow during the early morning; snow changed to lt. drizzle at 9:15h.
21	14	(29.50)	34.9	------	------	E 8	9	9 ACu NE, Few StCu.	----	8	------	
21	20	29.519	27.6	36.7	27.6	ESE 11	9	ASt ENE	----	8	.5	
22	8	29.436	32.0	35.4	24.1	ESE 6	8	2 Ci, 1 CiCu NNW, 5 ACu NNW.	----	9	------	22° solar halo.
22	14	29.394	42.4	------	------	SSW 3	4	Few Ci (NNW?), 4 ACu NNW.	----	9	------	Corona and halo.
22	20	29.349	30.0	42.4	30.0	0	9	ASt NNW	----	8	0	Report from whaler *C. A. Larsen*, at 22h: Position 75°09′ S—179°32′ W; pressure 29.42, lt. SE wind, cldy., temp. 29.3.
23	8	29.346	33.3	34.5	26.0	SW 8	10	Dn. fog	----	2	------	Lt. snow. Dn. fog since 7:34h.
23	14	--------	31.1	------	------	SSW 15	10	3 ACu, 7 St SSW	----	5	------	Lt. snow.
23	20	29.344	24.3	35.4	24.3	SSW 18	10	ASt S	----	6	.2	Vy. lt. snow.
24	8	29.366	25.7	28.5	16.3	WSW 6	6	3 Ci NNW, 3 StCu WSW.	----	9	------	
24	12	--------	35.0	------	------	WSW 7	2	StCu W	----	9	------	Lt. snow from 12:30h to 13:30h.
24	20	29.28	19.5	35.0	19.5	WSW 5	2	2 Ci WNW, Few StCu WSW.	----	9	.1	
25	8	29.230	26.0	------	15.8	E 4	10	Nb E	----	5	------	
25	14	--------	------	------	------	ESE 10	10	St ENE	----	5	------	
25	20	29.100	22.2	38.3	22.2	ESE 10	9	3 Ci NNE, 2 ASt NNE, 2 ACu NNE, 2 StCu NE, Few Cu NE.	----	8	.2	Lt. snow from 11:40h to 15h.
26	8	29.024	30.8	32.2	20.1	NE 9	10	St NE	----	6	------	Vy. lt. snow.
26	14	--------	39.0	------	------	N 3	9	7 StCu NNW, 2 St NNW.	----	7	------	
26	20	29.054	29.8	39.0	25.5	S 4	8	8 StCu S, Few St S.	----	9	T	Few St or fog on S horizon. Lt. fog at 21:05h; fog depth 30 ft.
27	8	29.16	26.0	29.8	13.4	SW 10	1	Ci (WNW?)	----	9	------	
27	14	29.26	24.0	------	------	SW 10	1	Ci (WNW?)	----	9	------	
27	20	29.31	14.0	30.3	14.0	SSW 6	Few	St	----	9	0	
28	8	29.414	8.0	15.0	2.2	WSW 2	7	2 Ci SW, 5 St WSW.	----	4	------	Dn. fog from 0h to 7h. Lt. fog from 7h to 9h.
28	14	29.324	21.4	------	------	ENE 3	10	ASt SW	----	6	------	
28	20	29.220	26.0	------	------	NE 8	------	------	----	5	1.0	Lt. snow.
29	8	28.943	30.2	------	30.2	NE 7	10	StCu	----	6	------	Mod. snow until 4h.
29	14	(28.99)	------	------	------	S 9	9	StCu S	----	6	------	Snowing from 12h. to 13:30h.
29	20	(29.16)	22.0	------	------	S 4	4	ACu SSW	----	8	1.0	
30	8	(29.37)	10.0	------	3.3	S 5	3	ACu WSW	----	9	------	
30	14	(29.36)	------	------	------	S 4	8	StCu	----	6	------	

TABLE 23.—*Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929*—Continued

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		*0-9*	*Inches*	
Jan. 30	20	(29.31)	5.2	------	------	SE	8	2	StCu SW	----	8	0	Snow streamers. A wide field of bay ice adjacent to the East Barrier went out tonight.
31	8	(29.08)	3.0	------	−6.3	ENE	13	Few	ACu, St	----	8	------	Bright halo visible through drift at 10h. Parhelia and upper tangent arc.
31	14	(29.01)	------	------	------	E	7	Few	ASt (WSW?), StCu (S?).	----	9	------	
31[2]	20	(29.02)	5.1	13.4	------	S	6	Few	StCu S	----	9	0	
Feb. 1	8	(29.03)	10.0	------	------	SE	8	10	St	----	8	------	
1	14	(29.02)	------	------	------	NE	10	9	St	----	8	------	
1	20	(29.01)	14.0	------	------	SW	4	9	StCu	----	8	0	
2	8	(29.12)	10.0	------	6.3	SE	10	10	StCu	----	8	------	
2	14	(29.19)	------	------	------	E	10	10	StCu	----	8	------	
2	20	(29.24)	13.1	------	8.3	ENE	9	10	StCu W	----	7	T	Lt. snow flurry at 23h.
3	8	(29.36)	8.0	14.8	−1.4	S	5	10	Nb S	----	4	------	Lt. snow from 5:15h to 9:30h.
3	14	(29.33)	------	------	------	E	12	9	------	----	6	------	
3	20	(29.31)	20.3	24.9	8.0	NNW	16	9	1 StCu N, 8 St NNW	----	6	.7	Hvy. sea from N in afternoon and evening.
4	8	(29.41)	13.9	21.7	12.0	SSE	9	9	StCu (N?)	----	6	------	Vy. lt. snow.
4	14	(29.40)	------	------	------	SSW	15	9	StCu 0	----	6	------	
4	20	(29.31)	7.0	21.2	7.0	SSW	11	5	StCu SSW	----	8	T	Considerable pancake ice forming.
5	8	(29.16)	−1.0	7.0	−1.4	SSW	7	6	ACu S	----	8	------	
5	14	(29.09)	------	------	------	SSW	11	4	ACu S	----	9	------	
5	20	(29.07)	2.0	14.3	------	SSW	9	1	1 ACu, Few St SSW	----	9	0	Considerable pancake ice formed again during night.
6	8	(29.13)	8.0	------	−8.8	WSW	9	8	7 ACu W, 1 Cu WNW.	----	7	------	Bank of Cu along W horizon since 6 h.
6	14	(29.21)	------	------	------	WSW	8	6	5 ACu W, 1 Cu WNW.	----	9	------	
6	20	(29.29)	15.0	17.2	------	SE	14	5	3 ACu NW, 2 StCu NW.	----	9	0	Pancake ice formed around ship during night.
7	8	(29.36)	14.4	25.7	11.9	ESE	18	9	2 Ci (SW?), 1 CiCu, 2 ACu, 4 StCu ESE.	----	7	------	Snow squall from 4:45h to 5:15h, 22° halo at 7h.
7	14	(29.35)	------	------	------	ESE	12	10	Nb ESE	----	3	------	Lt. snow and drift.
7	20	(29.23)	13.2	17.3	11.4	ESE	17	10	Nb ESE	----	2	2.0	Mod. snow.
8	8	(29.03)	26.0	------	------	ENE	22	10	Nb ENE	----	3	------	Lt. snow.
8	14	(28.99)	------	------	------	NE	21	10	Nb NE	----	3	------	Do.
8	20	(28.94)	28.2	28.2	------	NE	21	10	Nb NE	----	3	3.5	Lt. snow. Cruising about mouth of bay.
9	8	(28.91)	28.6	29.0	26.4	NE	15	10	ASt WNW	----	4	------	Lt. snow.
9	14	(28.95)	------	------	------	NE	14	10	Nb NE	----	4	------	Mod. snow.
9	20	(28.98)	29.4	30.8	27.3	NE	15	10	St NNE	----	5	2.0	Lt. snow.
10	8	(29.05)	25.9	30.3	25.4	ESE	16	10	StCu NE	----	6	------	
10	14	(29.03)	------	------	------	E	14	10	StCu NE	----	4	------	
10	20	(28.99)	28.0	------	------	E	16	10	StCu NE	----	4	0	
11	8	(28.89)	28.0	------	------	E	15	10	ASt ENE	----	5	------	Lt. snow.
11	14	(28.84)	------	------	------	E	18	10	ASt ENE	----	4	------	Do.
11	20	(28.81)	23.6	23.6	------	SE	14	9	9 ASt ENE, Few StCu ENE.	----	9	1.0	
12	8	(28.77)	27.3	27.3	22.9	NE	21	9	6 ACu NNE, 3 StCu NNE.	----	8	------	Gusty SE winds in early morning, backing suddenly to NE at 5:30h.
12	14	(28.78)	29.4	------	------	NE	21	10	Nb NE	----	3	------	Hvy. snow squalls from 12:30h to 19:30h.
12	20	(28.84)	29.6	32.2	27.0	NE	21	10	StCu NE	----	7	1.5	Report from whalers *C. A. Larsen* and *Sir Jas. Clark Ross* at 10h: Position 73° S—178°31′ E; pressure 28.46, temp. 24.8; strong W gale; snow squalls; cldy. At
13	8	(28.95)	24.2	30.3	24.2	ESE	19	10	St E	----	4	------	Lt. snow since 5:45h. At 7:30h the snow became mixed with mist, forming a coating of clear ice on the windward side of exposed objects.

[2] Total snowfall for month, 7.3 inches.

TABLE 23.—*Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h.	Remarks
			Dry	Max.	Min.								
	180th mer. time	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
13	14	(29.00)	------	------	------	ESE	16	9	St E	----	9	------	
13	20	(29.03)	20.5	29.0	20.5	ESE	16	9	StCu ENE	----	7	0.5	
14	8	(29.04)	26.1	27.3	13.8	ESE	8	9	9 ACu NNE, Few St (ESE?).	----	9	------	
14	14	(29.03)	------	------	------	ESE	9	8	6 ACu WSW, 2 StCu (E?).	----	7	------	
14	20	(29.06)	21.0	------	------	ESE	10	6	ACu WNW	----	8	0	
15	8	(29.11)	21.0	------	20.6	ESE	12	9	9 ACu (0?), Few StCu ESE.	0	6	------	
15	14	(29.14)	27.3	------	------	E	7	10	8 ASt (0?), 2 St E	0	7	------	
15	20	(29.13)	18.0	27.3	18.0	E	4	10	6 ACu WNW, 4 St Cu NNW.	0	6	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Feb. 16	8	29.206	15.8	18.0	14.0	S	7	10	StCu S	0	5	------	
16	14	29.280	15.2	------	------	SSW	9	8	StCu SW	0	7	------	
16	20	29.306	5.0	17.2	3.8	S	7	9	2 ACu SW, 7 StCu S	0	7	0	
17	8	29.356	−3.0	8.0	−7.0	S	6	1	1 ASt S, Few St S	0	7	------	
17	14	29.335	1.0	------	------	S	8	6	2 ASt S, 4 St S	0	6	------	
17	20	29.326	−1.8	6.0	−3.0	SSE	12	4	StCu SSE	0	4	0	Lt. fog in SSE. Showers of ice crystals fell several times during day, causing haloes. Arcs of 46° halo visible a number of times.
18													
18	8	29.312	−9.0	4.0	−12.0	S	4	Few	CiSt WNW	0	8	------	
18	14	29.296	7.0	------	------	E	2	Few	Ci NW	0	8	------	
18	20	29.299	−5.0	10.8	−9.0	E	12	2	1 Ci NW, 1 ACu WSW.	0	7	0	
19													
19	8	29.325	−3.0	−1.0	−12.0	E	15	0	------	0	4	------	
19	14	29.339	1.0	------	------	ESE	16	0	------	0	4	------	
20	20	29.356	−6.0	1.5	------	E	9	0	------	0	8	0	
20	8	29.366	−3.8	−2.0	−19.0	S	7	5	3 CiSt NNW, Few ACu, WNW, 2 StCu S.	0	7	------	Thin slush ice formed across the bay during the night.
20	14	29.387	6.0	------	------	S	12	9	8 StCu SSE, 1 Cu S	0	6	------	
21	20	29.398	2.8	4.8	−3.8	S	9	7	StCu SSE	0	7	0	
21	8	29.445	−5.4	3.0	−12.3	ESE	9	Few	ASt WNW	0	8	------	
21	14	29.465	6.0	------	------	ESE	12	Few	Ci NW	0	7	------	
22	20	29.501	−6.0	6.0	−6.0	ESE	12	2	Ci NW	0	7	0	
22	8	29.497	−5.0	−2.0	−21.8	E	3	1	CiSt NW	0	7	------	
22	14	29.483	−3.0	------	------	SSW	6	7	CiSt NNW	0	7	------	
23	20	29.431	−11.8	−1.8	−11.8	SSW	5	0	------	0	7	0	
23	8	29.371	−1.8	−1.8	−17.4		0	6	6 Ci N, Few ACu NE	0	9	------	
23	14	29.308	−4.0	------	------	S	13	9	1 CiSt NW, 8 ACu NNE.	0	5	------	
23	20	29.240	1.3	2.2	−3.8	S	9	9	ASt NE	0	6	.5	Lt. snow since 19:15h; becoming steadily heavier.
24													
24	8	29.164	9.0	10.5	1.3	E	27	9	StCu ENE	Mod.	2	------	Lt. snow until 6h.
24	14	29.243	8.5	------	------	E	21	9	StCu ENE	Mod.	3	------	
25	20	29.271	11.0	14.2	6.3	E	20	10	StCu ENE	Lt.	4	.5	
25	8	29.391	11.4	17.0	7.8	E	12	9	6 Ci NW, 3 St Cu ENE.	0	8	------	
25	14	29.436	19.0	------	------	ENE	7	9	2 ACu ENE, 7 StCu ENE.	0	7	------	
25	20	129.46	14.0	23.3	9.8	E	11	10	2 CiSt NE, 6 ASt SSW, 2 St ENE.	0	7	0	
26	8	29.447	19.5	19.5	9.2	E	16	9	9 ASt E, Few St ENE.	Lt.	6	------	Lt. snow from 0h to 6h.
26	14	29.370	15.2	------	------	ESE	15	8	CiSt NE	0	7	------	Solar halo at 13:10h.
26	20	29.319	12.5	19.5	12.5	S	4	9	Few CiSt ENE, 9 AST NNE.	0	7	.5	Full moon visible at 21:30h.
27	8	29.215	10.8	12.5	4.1	S	7	9	2 Ci (ENE?), 7 ACu NNW.	0	8	------	Lt. snow fell between 0h and 6h.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Feb. 27	14	29.186	14.0	------	------	S	4	9	2 Ci (ENE?), 7 ACu ENE.	0	7	------	22° solar halo from 15h to 18:30h.
27	20	29.173	5.6	14.3	4.1	ENE	12	9	1 CiSt NE, 8 StCu NE.	0	7	0	Lenticular ASt to N at 19h.
28	8	29.161	4.7	8.0	4.2	E	10	9	StCu NW	0	6	------	
28	14	29.200	5.0	------	------	E	6	8	StCu NW	0	7	------	
28 [1]	20	29.256	4.0	7.2	3.7	E	9	9	St NNE	0	7	0	
Mar. 1	8	29.404	6.4	6.4	4.1	E	17	10	St E	Lt.	6	------	Lt. snow from 2h to 7h.
1	14	29.445	8.6	------	------	E	13	9	5 Ci ENE, 4 St N	Lt.	5	------	22° solar halo from 14h to 16h.
1	20	29.488	5.4	9.0	5.1	E	15	9	3 Ci ENE, 6 St NNE	Lt.	3	.5	
2	8	29.489	8.1	8.1	4.0	E	14	10	StCu NE	Lt.	4	------	Lt. snow since soon after 0h.
2	14	------	10.0	------	------	ESE	9	10	St NE	0	6	------	Lt. snow; snowfall by 7h, estimated at between 1 and 2 inches; very lt. snow during balance of day.
2	20	29.405	6.0	10.0	6.0	S	9	10	St NE	0	7	2.0	Lt. snow.
3	8	29.377	−3.1	6.0	−10.0	S	11	10	StCu NW	0	7	------	
3	14	29.366	−0.3	------	------	SSW	12	9	StCu WNW	0	6	------	
3	20	29.346	−4.1	−0.3	−4.1	W	4	7	Few CiSt, 7 StCu WNW.	0	8	0	
4	8	29.334	−5.6	−2.7	−11.6	E	18	9	5 ASt NW, 4 ACu NW.	Lt.	5	------	
4	14	29.323	−2.5	------	------	E	30	10	St (N?)	Hvy.	0	------	
4	20	29.368	1.1	1.6	−6.8	E	21	10	StCu N	Hvy.	1	.5	Lt. snow after 14h.
5	8	29.451	−0.7	1.1	−0.7	E	15	10	3 ASt NNE, 8 St NE.	0	6	------	Lt. snow.
5	14	29.437	8.0	------	------	E	15	10	St NE	0	6	------	Do.
5	20	29.431	7.7	11.3	−0.7	E	11	10	St NE	0	6	1.0	Lt. snow. Snowfall estimated at 1 inch.
6	8	29.157	17.0	18.1	6.2	ESE	25	10	St ENE	Hvy.	1	------	Snowing.
6	14	29.034	18.8	------	------	ESE	29	10	5 ACu NE, 5 St ENE.	Hvy.	2	------	Lt. snow.
6	20	28.988	13.2	22.2	13.2	E	20	10	St NE	Lt.	7	3.0	Do.
7	8	29.013	4.5	13.2	3.3	S	4	9	CiSt ESE	0	8	------	CiSt produced varied halo phenomena from 8h to 11h.
7	14	29.094	11.5	------	------		0	8	3 CiSt NW, 5 ACu N.	0	9	------	
7	20	29.146	−1.3	13.0	−1.3	ENE	10	9	4 CiST NNW, 5 ACu NNW.	0	7	0	A decided change in winds aloft today.
8	8	29.276	15.6	20.8	−9.3	WNW	8	10	St WNW	0	6	------	Occasional snow in NNE. Sharp rise in temperature during night followed by windshift to WNW at 6h. Lt. snow B. 6:45h. Rapid clearing after 11h.
8	14	29.474	4.1	------	------	W	11	3	2 Ci WNW, 1 StCu WNW.	0	9	------	
8	20	29.607	−12.7	15.6	−12.7	W	5	2	Ci WNW	0	9	.2	Vis. unlimited. Rise in barometer sharpest and most pronounced experienced here. High WNW winds aloft.
9	8	29.522	3.3	3.3	−17.7	ESE	18	10	St (E?)	Lt.	4	------	Lt. snow.
9	14	29.138	4.7	------	------	ESE	38	10	St	Hvy.	0	------	Do.
9	20	28.801	9.3	9.3	2.8	ESE	40	10	St	Hvy.	0	3.0	Do.
10	8	29.297	−18.0	13.4	−19.5	SW	21	10	St SW	Lt.	4	------	Sastrugi visible on barrier this morning.
10	14	29.404	−14.0	------	------	WSW	7	1	ASt WNW	0	7	------	Shower of ice crystals with brilliant halo phenomena at 10h.
10	20	29.427	−16.9	−10.0	−18.0	ESE	4	9	St W	0	6	T	
11	8	29.206	4.2	20.0	−18.1	W	9	9	StCu NW	0	6	------	Snow from D. A. to 10h.
11	14	29.397	−4.0	------	------	SSW	5	9	StCu WNW	0	5	------	
11	20	29.499	−16.4	4.2	−18.6	S	4	8	StCu WNW	0	9	4.0	Rapid clearing after 17h; followed by practically cloudless sky; good vis. at 19h.
12	8	29.290	−0.7	−0.7	−16.4	ESE	29	10	St	Hvy.	1	------	Lt. snow since 0h.
12	14	29.166	0.0	------	------	ESE	24	10	St	Hvy.	2	------	Lt. snow.
12	20	29.098	0.7	3.3	−1.2	S	10	9	StCu S	0	6	2.0	Lt. snow until 22:30h.
13	8	29.070	−13.0	0.7	−19.0	S	9	9	4 CiSt, 5 ASt	0	5	------	Lt. snow from 8:15h to 10h.

[1] Total snowfall for month, 12.7 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0–10	From		0–9	Inches	
Mar. 13	14	29.130	−9.0	------	------	S	9	------	------	0	5	------	
13	20	29.150	−12.7	−4.6	−13.0	S	9	9	StCu	0	5	0	
14	8	29.034	0.5	0.5	−16.5	ESE	24	7	3 Ci WNW, 4 StCu ENE.	Mod.	3	------	Wind shifted to ESE about 3h, suddenly increasing in velocity.
14	14	28.928	10.9	------	------	ESE	27	9	StCu (ENE?)	Lt.	3	------	
14	20	28.837	10.5	10.9	0.5	ESE	28	10	St (ESE?)	Mod.	3	0	
15	8	28.822	23.0	24.0	10.5	NE	15	10	St ENE	0	3	------	Moderately hvy. snow fell during night, continued during morning and ended at 14h. When the St overcast broke up, upper layers of Ci (SE) and ACu (ENE) were visible.
15	14	28.830	23.5	------	------	NE	15	9	St ENE	0	6	------	
15	20	28.844	24.4	25.0	20.0	NE	9	10	St ENE	0	5	4.0	Lt. snow since 17:40h; snowfall today estimated at 4 inches.
16	8	29.119	2.7	24.4	2.7	SSW	17	10	ACu	Lt.	6	------	
16	14	29.246	−0.6	------	------	SW	24	10	St	Mod.	1	------	Mod. snow from 13h to 15:30h. 10 St at 12:30h.
16	20	29.404	−1.1	2.7	−5.0	SSW	9	9	ACu NNW	0	8	.5	3 ACu NNW at 18:30h.
17	8	29.510	10.7	14.0	−9.4	WSW	9	9	StCu NNW	Lt.	6	------	Lt. drift in early morning.
17	14	29.662	−4.0	------	------	SSW	3	1	1StCu W, Few Ci W.	0	9	------	
17	20	29.678	−5.0	10.7	−16.0	E	10	10	ASt WNW	0	7	T	Lt. snow at 22h.
18	8	29.563	8.0	8.0	−5.0	E	15	9	1 ACu N, 8 St Cu WNW.	0	5	------	Lt. snow until 4h. Snowfall during night about ¼ inch.
18	14	29.480	4.0	------	------	E	16	7	Few Ci NNW, 3 ACu NW; 4 St Cu NW.	0	9	------	
18	20	29.371	0	9.8	−3.6	E	15	3	1 Ci (W?), 1 ACu W, 1 StCu ENE.	0	8	.2	
19	8	29.239	−3.4	3.1	−4.8	E	17	9	6 CiSt (WNW?), 3 ACu WNW.	Lt.	8	------	
19	14	29.202	−3.8	------	------	E	18	10	7 CiSt WNW, 3 ASt WNW.	Lt.	6	------	Faint 22° halo.
19	20	29.214	−7.3	−2.5	−9.4	E	16	10	ASt N	0	7	0	
20	8	29.265	−0.3	−0.3	−9.0	E	18	10	St NE	Lt.	5	------	Lt. snow from 7:45h to 11h.
20	14	29.255	0.4	------	------	E	16	10	5 ASt NNE, 5 St NE.	0	7	------	Faint halo.
20	20	29.253	−2.9	1.4	−3.2	E	18	9	7 ASt NNE, 2 St NE.	0	8	.5	
21	8	29.159	−5.4	0.7	−5.4	E	17	10	7 CiSt NE, 2 ASt NE, 1 St NE.	0	8	------	
21	14	------	−9.0	------	------	E	18	10	8 CiSt NE, 2 ASt NE.	0	8	------	22° and 46° halo.
21	20	29.109	−14.6	−5.4	−14.6	E	10	8	CiSt NNE	0	8	0	
22	8	29.135	−22.0	------	−23.0	SE	2	8	CiSt NNE	0	9	------	
22	14	29.114	−20.8	------	------	SSW	4	7	4 Ci NNE, 3 CiSt NNE.	0	9	------	
22	20	29.077	−32.0	------	−32.0	SSW	5	4	Ci NNE	0	9	0	A fine bright day with unlimited vis.
23	8	28.913	−30.2	−30.2	−35.6	SSW	9	Few	CiSt NNE	0	9	------	
23	14	28.854	−30.0	------	------	SSW	9	Few	ASt NE	0	7	------	Ice crystals falling at 12h; sufficient to obscure the horizon at times.
23	20	28.799	−36.0	------	−36.8	SSW	5	3	ASt (ENE?)	0	9	0	
24	8	28.800	−12.2	−12.2	−36.0	E	16	9	3 ACu E, 6 StCu NE.	0	6	------	Parhelia at 12h.
24	14	28.867	−4.8	------	------	ENE	15	9	9 StCu E, Few St NE.	0	6	------	
24	20	28.904	−1.4	−1.0	−12.2	E	16	10	1 ASt, 9 St NE	0	----	.1	Lt. snow since 15:30h.
25	8	29.046	−6.3	0.4	−7.1	E	7	10	St ENE	0	5	------	Vy. lt. snow until 8h; about ¼ inch fell during night.
25	14	29.086	−3.8	------	------	ESE	14	10	St ENE	0	5	------	
25	20	29.105	−5.0	−2.8	−6.3	ESE	11	9	St	0	----	.3	Lt. snow since 18:30h.
26	8	29.296	−9.2	−4.1	−22.9	NE	8	10	StCu NNW	0	6	------	Lt. snow until 9h.
26	14	29.371	−13.5	------	------	NE	11	3	StCu	0	7	------	
26	20	29.354	−8.8	0.9	−21.7	E	15	10	St E	0	5	1.0	Mod. snow.
27	8	29.320	−4.8	−3.6	−8.8	ESE	2	10	9 ASt SSE, 1 St E	Lt.	5	------	Lt. snow until 9h. Parhelia due to shower of ice crystals at 11h.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Mar. 27	14	29.299	−15.6	------	------	SSW	5	4	ASt SSE	0	6	------	
27	20	29.237	−19.2	−4.8	−22.2		0	9	ASt	0	----	0.2	Lunar corona.
28	8	29.044	−23.9	−10.8	−23.9		0	1	1 Ci SSE, Few St	0	9	------	Bright sunlight.
28	14	28.962	−13.2	------	------		0	10	St SW	0	4	------	St. moved in from SW at 9h.
28	20	28.927	−14.8	−10.8	−26.0	SW	5	10	St SW	0	----	0	
29	8	28.849	−12.9	−11.9	−30.0		0	10	St SW	0	5	------	
29	14	28.819	−14.6	------	------	E	3	10	St NNE	0	5	------	
29	20	28.769	−8.6	−8.6	−17.2	E	12	10	St (NNE?)	0	----	.2	Lt. snow since 17h.
30	8	28.814	−9.0	−3.6	−9.0	SE	8	10	Nb SE	0	5	------	Lt. snow until 10h.
30	14	28.880	−15.8	------	------	SSW	5	10	St SE	0	6	------	Parhelia at 10:15h.
30	20	28.940	−26.0	−9.0	−26.0	ESE	10	2	ASt S	0	7	1.0	Corona. Aurora Australis observed for first time at 23h.
31	8	29.098	−29.0	−23.2	−29.0	E	4	9	St	0	8	------	
31	14	29.150	−33.5	------	------		0	5	St ESE	0	7	------	
31[2]	20	29.168	−39.8	−24.0	−41.6	ESE	6	Few	St NE	0	----	0	Bright moon.
Apr. 1	8	29.175	−45.4	------	−47.0	S	4	0		0	9	------	Looming of Barrier to S and SW.
1	14	29.121	−43.0	------	------	SSW	2	Few	ASt SW	0	9	------	
1	20	29.030	−46.5	------	−49.8	S	6	0		0	7	0	
2	8	29.020	−46.4	------	−47.9	WSW	9	Few	StCu WSW	0	9	------	Bright sunlight, unlimited vis.
2	14	29.141	−44.8	------	------		0	1	ASt	0	9	------	
2	20	29.227	−47.5	------	−50.0		0	2	CiSt N	0	9	0	
3	8	29.288	−35.0	------	−48.4	SE	5	4	Ci N	0	9	------	
3	14	29.290	−34.5	------	------	SW	3	1	Ci NE	0	9	------	
3	20	29.277	−40.5	------	−40.5	SW	10	Few	Ci (NE?)	0	9	0	
4	8	29.282	−37.5	------	−41.3	SW	9	6	1 CiSt NNE, 5 ACu SSW.	0	9	------	
4	14	29.310	−38.8	------	------	SW	6	Few	ASt	0	9	------	
4	20	29.320	−45.1	------	−45.1		0	0		0	----	0	Bright moonlight.
5	8	29.352	−27.5	------	−47.0	SW	4	10	St SW	0	4	------	Lt. fog; nearly dn. at 8:30h and forming rime on windward side of exposed objects.
5	14	29.308	−25.2	------	------	SW	3	10	St	0	3	------	Mod. fog.
5	20	29.267	−19.4	−19.4	−27.5	NE	3	10	St NE	0	2	0	Few flakes of snow falling. Mod. fog.
6	8	29.265	−22.0	------	−22.8	SSW	8	10	St SSW	0	4	------	Lt. fog until 10:30h.
6	14	29.304	−26.5	------	------	SSW	4	8	CiSt NW	0	8	------	
6	20	29.322	−26.0	------	−32.4	SW	9	2	Ci	0	----	0	
7	8	29.334	−26.6	------	−28.7	SSW	12	0		0	5	------	Shower of ice crystals with 22° halo, parhelia and upper tangent arc at 9h.
7	14	29.379	−35.0	------	------		0	7	St SSW	0	5	------	
7	20	29.402	−35.6	------	−35.6	SW	5	Few	StCu SSW	0	----	0	
8	8	29.376	−34.5	------	−35.8		0	Few	ASt	0	9	------	
8	14	29.257	−30.5	------	------	SSW	10	10	St SSW	0	5	------	Lt. fog since 13h.
8	20	29.079	−19.8	−19.8	−38.9	SW	8	10	St SSW	0	----	T	Lt. fog until 23h. Lt. snow until after 24h.
9	8	28.853	−31.8	------	−32.5	SSW	5	10	St SSW	0	5	------	Lt. snow since 6:45h.
9	14	28.838	−22.9	------	------	E	17	10	ASt	Lt.	4	------	Lt. snow.
9	20	28.968	−18.5	------	−31.8	E	19	10	St	Lt.	----	.2	Do.
10	8	29.206	−15.3	------	−18.5	ESE	11	2	2 Ci NNE, Few St ENE.	0	9	------	Lt. snow ended 2h.
10	14	29.262	−25.0	------	------	SSW	2	Few	ASt E	0	9	------	Clear after 9:30h.
10	20	29.249	−27.8	------	−29.4	SW	5	0		0	----	T	
11	8	29.080	−30.0	------	−30.0	SW	4	Few	St SE	0	9	------	Ice crystals falling all day, attended by halo phenomena.
11	14	29.045	−35.5	------	------	SE	5	------		0	9	------	
11	20	29.034	−33.0	------	−37.2	E	12	0		0	----	0	
12	8	29.016	−29.3	------	−34.3	E	3	10	St	0	3	------	Lt. fog. Dn. fog until 7:30h. CiSt SE at 9:30h.
12	14	29.063	−23.3	------	------	WSW	3	10	St	0	4	------	Lt. fog until 17h.
12	20	29.123	−20.8	−12.4	−32.0	ENE	9	2	St	0	----	T	Lt. snow from 17:10h to 22:30h.
13	8	29.322	−6.5	−4.0	−20.8	NE	11	10	St	0	4	------	
13	14	29.417	1.8	------	------	N	15	10	St NNE	0	3	------	Lt. snow since 12:35h.
13	20	29.485	3.7	3.7	−6.5	ENE	13	10	Nb	0	----	.2	Lt. snow until 2:30h.
14	8	29.488	−4.8	------	−4.8	E	19	10	St ENE	Mod.	3	------	
14	14	29.641	−6.5	------	------	E	18	10	St ENE	Lt.	3	------	Vy. lt. snow since 12h.

[2] Total snowfall for month, 24.2 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
Apr. 14	20	29.647	−7.1	−4.8	−8.0	E	14	10	St	Lt.	----	0.5	Lt. snow. Water sky along NW and N horizon.
15	8	29.634	−7.3	------	−9.0	SSW	2	10	St	0	3	------	Lt. fog since 6h.
15	14	29.603	−9.5	------	------	SSW	7	10	St	0	3	------	Lt. fog. Lt. snow since 9:55h. Mod. water sky in NW and N.
15	20	29.549	−8.8	−6.3	−10.1	SW	10	10	Nb SW	0	----	.1	Mod. snow; large flakes, until 8:30h.
16	8	29.496	−11.2	−7.0	−13.0	SW	12	10	St	0	6	------	
16	14	29.498	−12.0	------	−12.0	SSW	10	9	St	0	6	------	A few flakes of snow fell from 8:30h until 12h.
16	20	29.469	−16.8	------	−16.8	SSW	4	4	St O	0	----	T	Mod. water sky in NW and N.
17	8	29.576	−21.3	------	−32.8	SW	7	6	StCu S	0	7	------	
17	14	29.643	−31.2	------	------	SW	7	0		0	9	------	Vy. lt. snow from 8:30h to 12h.
17	20	29.706	−38.0	------	−38.0		0	0		0	----	T	Stars brilliant.
18	8	29.754	−24.8	------	−39.8	SSW	4	8	3 ASt WSW, 5 ACu WSW.	0	7	------	
18	14	29.713	−27.0	------	------	SW	4	8	CiSt SW	0	9	------	
18	20	29.681	−23.6	------	−29.9	SW	7	5	CiSt (SW?)	0	----	0	The CiSt broke up slowly allowing bright starlight during most of evening.
19	8	29.603	−28.0	------	−37.8	SW	8	9	StCu SSW	0	7	------	
19	14	29.551	−32.2	------	------	SW	7	1	StCu SSW	0	9	------	Last day sun is visible.
19	20	29.490	−35.2	------	−36.4	WSW	9	Few	StCu SW	0	----	0	Ice crystals falling.
20	8	29.457	−28.3	------	−37.0	E	13	9	St	0	5	------	Lt. snow B. 8:15h.
20	14	29.430	−35.7	------	------	E	17	10	StCu	Lt.	4	------	Lt. snow until 17h.
20	20	29.405	−43.4	------	−43.4	E	15	1	StCu SSE	Lt.	----	.5	Bright moon.
21	88	29.347	−46.6	------	−47.7		0	3	ASt N	0	9	------	A bank of ACu moved in slowly from N and NE at 7h.
21	14	29.285	−33.0	------	------	ESE	18	10	StCu (0)	Lt.	3	------	Lt. fog B. 14:30h.
21	20	29.199	−25.4	------	−51.5	ESE	15	10	St	Lt.	----	T	Lt. snow since 17h. Lt. fog until 20:30h.
22	8	29.106	−18.2	------	−26.5	E	21	10	St	Mod.	2	------	Lt. snow.
22	14	29.115	−18.4	------	------	E	21	10	StCu	Mod.	2	------	Lt. snow until 15h.
22	20	29.125	−21.2	------	−21.2	E	16	4	CiSt	Lt.	----	1.0	22° lunar halo and upper tangent arc.
23	8	29.155	−24.4	------	−24.4	E	20	9	CiSt (ENE?)	Lt.	4	------	
23	14	29.246	−33.4	------	------		0	10	CiSt ENE	0	9	------	Full moon.
23	20	29.266	−36.5	------	−37.8		0	5	CiSt NE	0	----	0	22° lunar halo.
24	8	29.163	−40.6	------	−40.6	SW	15	4	Ci (ENE?)	0	9	------	
24	14	29.041	−50.6	------	------	SW	6	7	3 ACu, 4 St SSW	0	8	------	Bright corona.
24	20	28.978	−56.0	------	−56.0	SSW	12	4	St SSW	0	----	0	
25	8	28.879	−56.1	------	−58.0		0	1	ASt	0	7	------	
25	14	28.853	−50.6	------	------	ENE	9	3	2 Ci (WSW?), 1 St WSW.	0	7	------	
25	20	28.835	−38.7	------	−56.7	ENE	15	10	St NE	Lt.	----	.1	Snowing. Clouds thin; moon faint; faint corona until 24h.
26	8	28.885	−28.4	------	−39.6	E	24	10	St	Mod.	3	------	Lt. snow.
26	14	28.978	−22.5	------	------	E	21	10	St	Mod.	2	------	Do.
27	20	29.068	−23.3	------	−31.1	ESE	14	10	St	Lt.	----	2.0	Do.
27	8	29.116	−43.2	------	−43.2	SSW	4	4	St SW	0	9	------	Lunar corona. Lt. snow ended 4:15h.
27	14	29.117	−47.8	------	------	E	4	0		0	9	------	Bright moonlight.
27	20	29.157	−44.5	------	−48.8	E	11	0		0	----	T	A thin layer of St just above the surface at 22h; wind shifted suddenly to NW.
28	8	29.203	−34.6	------	−47.1	ESE	12	10	St	0	6	------	Snow B. 8:15h.
28	14	29.323	−22.6	------	------	E	21	10	St	Lt.	3	------	Lt. snow until 18h.
28	20	29.379	−25.2	------	−34.6	ESE	7	2	St SE	0	----	1.0	22° halo and upper tangent arc; cleared about 18:30h.
29	8	29.322	−33.2	------	−40.5	SW	7	7	CiSt ENE	0	8	------	
29	14	29.314	−28.2	------	------	SSW	9	9	3 CiSt ENE, 6 ASt ENE.	0	8	------	
29	20	29.271	−37.4	------	−37.4	SW	3	1	St E	0	----	0	Brilliant moonlight.
30	8	29.258	−42.0	------	−44.3	ENE	16	Few	ASt	0	9	------	
30	14	29.254	−41.1	------	------	E	14	4	1 Ci NW, 3 ASt NW.	0	9	------	
30 [1]	20	29.202	−30.8	------	−43.1	E	16	8	CiSt	0	----	0	

[1] Total snowfall for month, 5.6 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
May 1	8	28.963	1.8	------	−30.8	E	24	10	St	Hvy.	2	------	Lt. snow since 24h.
1	15	28.899	7.5	------	------	E	27	10	St	Hvy.	1	------	Mod. snow.
1	20	28.916	9.3	------	1.8	ESE	24	10	St	Hvy.	----	3.0	Hvy. snow.
2	8	29.077	3.0	------	3.0	ESE	12	10	St	0	5	------	Snow ended 1h.
2	14	29.174	8.0	------	------	ESE	13	10	St	0	5	------	Water sky in NW.
2	20	29.286	14.5	------	------	NE	14	10	St	0	----	.2	Open lead in bay along East Barrier 1 mile from camp.
3	8	29.364	8.9	------	8.9		0	10	St	0	5	------	Lt. snow from 6:40h to 9h.
3	14	29.343	−6.4	------	------	ESE	21	10	St	Lt.	3	------	Lt. snow from 12:15h to 18h. Lt. fog from 10:40h to 17h.
3	20	29.352	−22.6	------	------	ESE	13	3	St	0	----	.2	
4	8	29.335	−32.0	------	−34.0	SSW	7	1	CiSt	0	9	------	
4	14	29.288	−36.3	------	------	S	8	1	Ci	0	9	------	
4	20	29.222	−40.0	------	−41.8	S	7	0		0	----	0	Ice crystals falling. Moon pillar at 16:45h.
5	8	29.044	−37.8	------	−41.0	SSW	9	Few	ASt	0	8	------	The bay is entirely frozen over; also the Ross Sea as far as the eye can see.
5	14	28.984	−41.0	------	------	SSW	6	0		0	8	------	
5	20	28.919	−41.8	------	−42.6	WSW	5	0		0	----	0	
6	8	28.884	−45.1	------	−46.3		0	3	Ci	0	8	------	
6	14	28.922	−44.8	------	------	SW	3	3	Ci	0	8	------	
6	20	28.974	−45.0	------	−46.2	S	5	2	Ci (N?)	0	----	0	
7	8	28.961	−44.0	------	−46.7		0	3	Few ACu, 3 St	0	5	------	
7	14	28.922	−44.5	------	------	SW	5	3	St	0	5	------	Ice crystals falling since 8h.
7	20	28.871	−45.2	------	−45.8	SW	15	0		0	----	0	Ice crystals falling until 23h.
8	8	28.864	−50.0	------	−50.0	SE	2	4	3 Ci, 1 ASt	0	8	------	
8	14	28.838	−39.0	------	------	ESE	12	10	St	0	3	------	Lt. snow.
8	20	28.858	−24.6	------	−51.0	E	15	10	St	Lt.	----	.2	Mod. snow.
9	8	28.950	−7.1	------	−24.6	NNE	11	10	St	0	5	------	Lt. snow.
9	14	29.027	−4.8	------	------	N	16	10	St	0	4	------	Lt. snow until 17:30h.
9	20	29.156	−27.4	------	−27.4	WSW	4	3	St	0	----	.2	
10	8	29.128	−14.6	------	−35.0	ENE	16	10	St	Lt.	4	------	Lt. snow from 2h to 12h.
10	14	29.077	−12.8	------	------	E	16	8	6 CiSt, 2 St	Lt.	4	------	
10	20	28.993	−4.7	------	−17.8	E	19	8	St	Lt.	----	.1	Stars visible.
11	8	28.928	−2.3	------	−7.0	ENE	20	10	St	Mod.	3	------	Mod. snow since 12h.
11	14	28.943	−5.0	------	------	E	18	6	ASt	Lt.	5	------	Lt. snow until 14:30h.
11	20	28.978	−6.0	------	−7.4	E	4	2	ASt	0	----	.5	
12	8	28.951	−20.3	------	−20.3	SSW	3	2	Ci	0	8	------	
12	14	28.933	−23.6	------	------		0	1	1 CiSt, Few St ESE	0	8	------	
12	20	28.922	−25.3	------	−26.0	SW	9	8	4 CiSt, 4 St	0	----	0	Stars visible.
13	8	28.909	−31.5	------	−31.5	SSW	6	4	3 CiSt, 1 StCu	0	8	------	
13	14	28.918	−35.4	------	------	SW	8	4	CiSt	0	8	------	
13	20	28.932	−32.1	------	−36.4	SSW	6	0		0	----	0	
14	8	28.999	−36.3	------	−38.2	SW	7	0		0	8	------	
14	14	29.051	−35.0	------	------	SW	5	0		0	9	------	
14	20	29.009	−36.0	------	−40.0	SSW	8	0		0	----	0	
15	8	28.859	−47.5	------	−48.2		0	0		0	9	------	
15	14	28.783	−49.3	------	------	SSW	2	Few	Ci	0	8	------	
15	20	28.716	−43.2	------	−49.4	SSW	5	1	StCu SW	0	----	0	
16	8	28.646	−44.2	------	−47.5	SW	9	1	StCu SSW	0	----	------	
16	14	28.653	−38.1	------	------	WSW	9	9	StCu SW	0	8	------	
16	20	28.685	−31.7	------	−44.2		0	3	StCu SW	0	----	0	The StCu broke up rapidly after 19h. and passed off to the NE.
17	8	28.845	−30.2	------	−37.2		0	10	St	0	----	------	
17	14	28.893	−24.3	------	------		0	8	St	0	5	------	Narrow streak of water sky along N and NW horizon.
17	20	28.947	−38.6	------	−40.3	S	15	1	ASt (ESE?)	0	----	0	Bright moon.
18	8	28.952	−44.0	------	−44.0		0	1	CiSt	0	7	------	
18	14	28.912	−46.3	------	------	ENE	7	Few	StCu	0	9	------	
18	20	28.889	−30.0	------	−49.2	E	10	10	3 CiSt, 7 StCu	0	----	T	
19	8	28.792	−15.5	------	−30.0	E	9	10	St	0	----	------	
19	14	28.750	−11.5	------	------	E	9	10	St	0	5	------	Vy. lt. snow from 10h to 17h.
19	20	28.734	−11.4	------	−15.5	ENE	10	8	St E	0	----	------	Bright moon.
20	8	28.724	−23.1	------	−23.1	SSW	6	7	St	0	----	---- T	
20	14	28.656	−34.7	------	------	SSW	4	2	St SE	0	8	------	
20	20	28.487	−29.3	------	−35.0	SW	9	9	St	0	----	.3	Snowing since 5:45h. Moon visible until 22h.
21	8	28.611	−41.4	------	−41.9	SW	2	2	1 CiSt, 1 St	0	----	------	Lt. snow until 5h.
21	14	28.735	−17.3	------	------	NNE	11	9	St NNE	0	5	------	Lt. snow from 11:30h to 19:45h.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0–10	From		0–9	Inches	
May 21	20	28.839	−15.8	------	−41.4	N	14	7	St N	0	----	0.5	Lunar corona. Bright moon.
22	8	28.988	−18.7	------	−21.7	NE	7	9	St NNE	0	----	------	Lt. snow from 11:15h to 2h.
22	14	29.004	−10.3	------	------	NE	12	10	St NNE	0	4	------	Lt. snow from 11h to 17h.
22	20	29.063	−17.3	------	−18.7	S	2	10	StCu N	0	----	T	Corona at 21:30h.
23	8	29.040	−14.7	------	−18.3	E	14	10	St	0	----	------	Lt. snow from 6:30h to 11:30h.
23	14	29.015	−15.0	------	------	S	6	10	St	0	5	------	Thin band of water sky along N horizon.
23	20	28.929	−13.5	------	−16.0	SSW	10	10	St	0	----	T	
24	8	28.771	−11.7	------	−16.8	SW	4	10	6 CiSt, 4 St	0	----	------	Occasional lt. snow. Faint 22° lunar halo from 1h to 9h.
24	14	28.746	−5.0	------	------	SSE	5	10	5 CiSt, 5 St (E?)	0	5	------	
24	20	28.785	−12.3	------	−13.0	SSE	7	9	7 CiSt, 2 St	0	----	T	
25	8	28.757	−15.7	------	−18.8	E	14	3	2 CiSt W, 1 StCu NE	0	----	------	Ice crystals falling. Brilliant 22° halo. Lt. snow 0 to 6h.
25	14	28.750	−15.7	------	------	E	19	1	StCu (NE?)	Lt.	7	------	Brilliant moon.
25	20	28.801	−2.0	------	−19.7	ESE	18	10	St NE	Lt.	----	T	Lt. snow B. 17:50h.
26	8	28.743	5.0	------	−4.9	SSE	12	10	6 CiSt, 4 St	0	----	------	Lt. drift during night. Lt. snow until 9:45h.
26	14	28.629	−20.6	------	------	WSW	14	10	7 CiSt, 3 St	0	5	------	Moon faint. Faint parhelia and 22° lunar halo.
26	20	28.516	−32.1	------	−32.1	SW	15	7	CiSt S	0	----	0	
27	8	28.364	−43.1	------	−43.1	E	2	Few	Ci	0	----	------	CiSt thick at 3h; passing to W at 5h.
27	14	28.410	−34.2	------	------	E	11	10	St	0	4	------	
27	20	28.479	−27.1	------	−45.2	ESE	18	10	St	Lt.	----	.5	Lt. snow since 15h.
28	8	28.729	2.5	------	−26.0	E	10	10	St	0	----	------	Lt. snow until 11h.
28	14	28.824	−3.4	------	------	ESE	21	5	StCu ENE	Mod.	5	------	
28	20	28.948	0.3	------	−5.7	ESE	17	10	St	Lt.	----	1.5	Snow since 19th.
29	8	29.101	−7.0	------	−9.5	E	5	5	St S	0	----	------	Lt. snow. Clouds vy. thin.
29	14	29.075	−3.2	------	------	S	3	2	Ci	0	5	------	Lt. snow.
29	20	29.016	−3.3	------	−12.3	WSW	8	10	St	0	----	.3	Lt. snow until 23h. Bright 22° lunar halo at 21:30h.
30	8	28.928	−27.3	------	−27.3	WSW	7	1	StCu (W?)	0	----	------	
30	14	28.876	−28.6	------	------	WSW	10	9	4 CiSt, 5 St	0	5	------	Lt. snow from 13h to 16:10h.
30	20	28.924	−28.8	------	−32.8	WSW	6	5	CiSt	0	----	.1	Paraselenae and moon pillar at 21h.
31	8	28.938	−34.5	------	−36.0		0	10	St	0	----	------	CiSt along the horizon.
31	14	28.981	−31.5	------	------	WSW	5	10	St	0	5	------	Few flakes of snow falling from 12:20h to 3h.
June 1[1]	20	29.087	−29.0	------	−34.5	E	3	10	St	0	----	T	
1	8	29.207	−26.2	------	−34.0	E	15	10	St	Lt.	----	------	Lt. show from 4h to 11h.
1	14	29.199	−27.7	------	------	ESE	15	Few	St	0	----	------	Sudden clearing of St. at 13h.
2	20	29.181	−23.5	------	−30.5	ESE	19	3	StCu	Lt.	----	.1	
2	8	29.183	−22.0	------	−23.8	ESE	19	10	St	Lt.	----	------	Lt. snow since 1h.
2	14	29.190	−25.8	------	------	ESE	12	10	St	0	----	------	Mod. snow until 17:30.
2	20	29.155	−31.0	------	−31.0	E	7	10	St	0	----	.5	St cleared away quickly at 21h.
3	8	28.744	−50.5	------	−50.5		0	0		0	----	------	Shower of ice crystals produced bright lunar pillar in early morning.
3	14	28.568	−56.0	------	------		0	Few	Ci	0	----	------	
4	20	28.497	−54.8	------	−56.8	ESE	2	1	St	0	----	0	
4	8	28.882	−19.0	------	−56.8	NNE	24	1	StCu NNE	Lt.	----	------	
4	18	29.168	−30.0	------	------	E	12	1	StCu	Lt.	----	------	
5	20	29.138	−30.3	------	−33.2	ESE	21	0		Lt.	----	0	
5	8	29.182	−34.4	------	−34.4	SW	5	0		0	----	------	Lt. drift during night.
5	14	29.453	−46.6	------	------		0	Few	St	0	----	------	
	20	29.564	−41.4	------	−48.9	NE	11	0		0	----	0	Wind SW at 21:30h, SSE at 22:30h, E at 23:30h, and velocity increasing.
6	8	29.305	12.4	------	−42.0	ESE	24	10	St	Hvy.	----	------	Mod. snow from 1:30h to 9:15h. The temperature rise amounted to 65° in 20 hours. A pronounced water sky visible from NW to NE.
6	14	29.161	5.4	------	------	S	18	4	StCu SE	0	----	------	
7	20	29-120	−16.6	------	−17.0	S	15	1	StCu SSE	0	----	1.0	
7	8	28.936	−25.4	------	−25.4	S	9	3	2 CiSt, 1 St	0	----	------	
	14	28.905	−17.7	------	------	S	7	9	7 CiSt, 2 StCu	0	----	------	

[1] Total snowfall for month, 7.6 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
June 7	20	29.022	13.2	------	−25.9	NNE	21	10	St	Lt.	----	0.2	Lt. snow from 16:50h to 22h.
8	8	29.226	−2.7	------	−6.2	NNE	9	2	StCu N	0	----	------	Lt. snow from 2h to 4h.
8	14	29.233	−9.4	------	------	ESE	3	3	CiSt	0	----	------	
8	20	29.239	−11.3	------	−14.9	SSW	3	4	2 CiSt, 2 St ESE	0	----	T	
9	8	29.135	−1.4	------	−11.3	ESE	9	9	7 CiSt, 2 St E	0	----	------	
9	14	29.110	1.8	------	------	E	21	10	St E	Lt.	----	------	Lt. snow from 10h to 16h.
9	20	29.044	3.3	------	−1.4	ESE	13	1	St	Lt.	----	.5	Lt. snow B. 20:45h.
10	8	28.922	7.2	------	−1.5	E	18	4	CiSt	Lt.	----	------	Lt. snow.
10	14	28.901	5.0	------	------	E	18	7	4 CiSt, 3 St NE	Lt.	----	------	Do.
10	20	28.910	3.3	------	3.3	ENE	9	5	3 StCu (ENE?) 2 St NE.	0	----	2.0	Lt. now E. D. P.
11	8	28.985	10.2	------	−1.3	E	5	10	St ENE	0	----	------	Lt. snow since 5:30h, changing to mist at 11:35h.
11	14	29.008	10.0	------	------	E	5	10	St	0	----	------	Misting. Thin coating of ice on exposed objects. Lt. fog from 18h to 23h. 1½ inches of rime on windward side of wires.
11	20	29.035	9.2	------	7.9	E	4	9	St NNW	0	----	T	Mist and a few flakes of snow falling until 23:30h.
12	8	29.069	−2.5	------	−3.4	S	2	2	St W	0	----	------	
12	14	29.065	−10.9	------	------		0	2	Ci	0	----	------	
12	20	29.085	−19.2	------	−19.2		0	0	------	0	----	0	
13	8	29.120	−16.3	------	−24.6	ENE	3	5	3 CiSt, 2 St	0	----	------	
13	14	29.131	−4.2	------	------	ESE	11	8	3 CiSt, 5 St	0	----	------	Lt. snow since 13:15h.
13	20	29.159	−3.0	------	−16.8	ESE	11	9	St	0	----	.5	Lt. snow.
14	8	29.218	−3.5	------	−4.8	E	18	10	St	Lt.	----	------	Do.
14	14	29.263	−3.3	------	------	E	13	10	St	0	----	------	Mod. snow.
14	20	29.319	−5.1	------	−5.1	E	9	10	St	0	----	2.5	Mod. snow until 22:15h.
15	8	29.397	−8.0	------	−9.2	E	3	10	St	0	----	------	
15	14	29.387	−9.8	------	------	E	5	7	St	0	----	------	St breaking up and passing to N.
15	20	29.363	−31.7	------	−31.7	E	3	4	3 Ci (SE?), 1 St SSE	0	----	0	Faint 22° lunar halo at 19h.
16	8	29.246	−42.0	------	−43.1		0	0	------	0	----	------	
16	14	29.286	−40.0	------	------	E	5	1	CiSt	0	----	------	
16	20	29.262	−28.3	------	−43.2	SSW	3	2	1 CiSt, 1 St	0	----	0	Faint 22° lunar halo.
17	8	29.161	3.3	------	−28.9	SSE	13	10	St	0	----	------	Lt. snow from 3:30h to 7h.
17	14	29.086	9.5	------	------	E	12	10	St	0	----	------	Lt. snow from 11h to 13:30h.
17	20	29.077	7.7	------	0.0	ESE	21	10	St	Lt.	----	.2	Moon faint. Vy. faint 22° lunar halo visible at times.
18	8	29.106	4.4	------	0.9	ESE	16	10	St	0	----	------	Mod. snow since 24h.
18	14	29.108	5.3	------	------	ESE	12	1	A St, 9 St	0	----	------	Lt. snow.
18	20	29.137	10.1	------	3.9	ESE	18	10	St	Lt.	----	2.0	Lt. snow. Moon faint.
19	8	29.171	13.7	------	7.8	NE	24	10	St	Mod.	----	------	Hvy. snow.
19	14	29.276	10.1	------	------	N	18	10	StCu N	0	----	------	Mod. snow changing to mist at 18h.
19	20	29.384	9.1	------	9.1	NNE	6	10	St N	0	----	3.0	Misting until 20:40h.
20	8	29.578	2.2	------	2.2	S	5	10	St	0	----	------	22° lunar halo at 1h.
20	14	29.654	5.0	------	------	SW	4	10	St	0	----	------	Lt. snow from 8:50h to 16h.
20	20	29.720	9.4	------	0.9	ENE	6	9	7StCu E, 2St NE	0	----	T	
21	8	29.781	−0.8	------	−0.8		0	9	CiSt (ENE?)	0	----	------	Lt. snow from 0h to 5:30h.
21	14	29.792	1.2	------	------	E	9	10	ASt E	0	----	------	Mod. snow since 8:40h.
21	20	29.790	−3.0	------	−3.0	E	11	5	3CiSt, 2ASt	0	----	.6	Vy. lt. snow. Brilliant moon. Lunar corona.
22	8	29.731	−10.3	------	−13.6	SW	2	9	6CiSt, 3ASt N	0	----	------	22° lunar halo at 4h.
22	14	29.721	−3.4	------	------	SSE	3	9	ASt N	0	----	------	
22	20	29.709	−1.9	------	−10.3	SE	11	10	ASt (N?)	0	----	0	
23	8	29.632	−3.3	------	−5.3	E	9	10	8ASt (NNE?), 2St Cu (NE?)	0	----	------	
23	14	29.565	−6.3	------	------	E	3	9	6CiSt NNW, 3ASt NNE	0	----	------	
23	20	29.489	−10.9	------	−10.9	WNW	5	9	ASt NNW	0	----	0	22° lunar halo from 18h to 24h.
24	8	29.424	−5.7	------	−15.6	E	3	10	5ASt, 5St	0	----	------	Lt. snow since 4:20h.
24	14	29.405	0	------	------	E	7	10	5ASt, 5St	0	----	------	Lt. snow. Moon faint.
24	20	29.351	4.0	------	−5.7	E	18	10	St	Lt.	----	.5	Lt. snow until 21:30h.
25	8	29.305	6.8	------	−1.1	ENE	18	10	St	Lt.	----	------	Lt. snow since 2h.
25	14	29.237	8.0	------	------	NE	32	10	St	Hvy.	----	------	Lt. snow.
25	20	29.181	7.8	------	6.3	NE	27	10	St	Lt.	----	2.5	Lt. snow until 24h.
26	8	29.293	−16.5	------	−16.5	NNE	12	8	6StCu N, 2St N	------	----	------	Lt. snow from 8:30h to 10:30h. Faint 22° lunar halo.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
June 26	14	29.490	−5.1	------	------	NNW	13	10	St N or NW	0	----	------	Vy. lt. snow from 13:15h to 15:15h.
26	20	29.710	−8.0	------	−16.5	NW	3	9	5Ast, 4St NW	0	----	T	
27	8	30.011	−6.2	------	−22.8	NE	7	10	St NE	0	----	------	
27	14	30.028	−9.9	------	------	E	11	10	St NE	0	----	------	
27	20	29.979	−9.0	------	−15.8	E	21	10	St NE	Lt.	----	.2	Lt. snow from 18h to 22:15h.
28	8	29.748	−8.5	------	−9.8	E	16	10	St (NNE?)	Lt.	----	------	Lt. snow from 0h to 10h.
28	14	29.705	−7.2	------	------	E	13	8	St NNE	0	----	------	
28	20	29.703	−6.3	------	−8.5	ESE	10	8	St	0	----	.3	Few flakes of snow falling.
29	8	29.651	−9.5	------	−10.0	SSW	3	7	3 CiSt, 4 ASt (WNW?)	0	----	------	Lt. snow since 3:30h. 22° lunar halo from 3:30h to 4:30h.
29	14	29.681	−20.0	------	------		0	1	ASt WNW	0	----	------	Ice crystals falling.
29	20	29.701	−26.2	------	−26.2		0	Few	St	0	----	T	
30	8	29.653	−37.5	------	−38.0	SW	10	4	2 Ci, 2 St SW	0	----	------	
30	14	29.593	−31.2	------	------	SW	8	6	2 CiSt, 4 ASt	0	----	------	
30	20	29.556	−27.8	------	−37.5	SSW	7	10	St	0	----	.1	Lt. snow from 15h to 21:45h. Rapid clearing of St at 24h.
July 1	8	29.493	−47.5	------	−47.5	SW	11	Few	Ci	0	----	------	
1	14	29.485	−53.6	------	------	SW	6	Few	Ci	0	----	------	
1	20	29.477	−56.6	------	57.0	SW	7	0	------	0	----	0	
2	8	29.479	−53.7	------	−60.0	SW	4	0	------	0	----	------	
2	14	29.476	−58.0	------	------		0	0	------	0	----	------	
2	20	29.430	−63.8	------	−63.8	S	6	0	------	0	----	0	Cloudless throughout the day.
3	8	29.113	−51.7	------	−63.8	SW	9	2	St SSW	0	----	------	Lt. snow from 9h to 10:30h.
3	14	29.036	−48.4	------	------	SW	20	1	St	Mod.	----	------	
3	20	29.117	−56.0	------	−58.0	SW	22	0	------	Mod.	----	T	
4	8	29.265	−60.0	------	−60.8	SSW	5	Few	St (S?)	0	----	------	
4	14	29.277	−49.3	------	------	E	12	2	Ci	0	----	------	
4	20	29.285	−58.3	------	−60.0	SSW	2	Few	Ci	0	----	0	Scattered Ci visible in N most of day.
5	8	29.090	−57.7	------	−60.7	NE	3	1	Ci	0	----	------	
5	14	28.775	−54.1	------	------	SW	8	6	CiSt	0	----	------	Wind shifted suddenly to SE at 15:15h.
5	20	28.314	−10.2	------	−59.2	SE	34	10	St (SE?)	Hvy.	----	1.0	Mod. snow from 17h to 24h. Extreme velocity of wind 54 m. p. h. at 22:03h.
6	8	28.280	−35.4	------	−35.4	SW	24	7	Ci	Mod.	----	------	Wind shifted to SSW at 1:15h.
6	14	28.568	−45.8	------	------	SW	16	Few	St	0	----	------	Clear at 12h.
6	20	28.818	−45.2	------	−48.5	SSW	6	2	CiSt	0	----	T	
7	8	28.947	−23.9	------	−53.7	NNE	12	1	St	0	----	------	Lt. snow since 5h. with rapid formation of St and shift of wind to NE.
7	14	28.930	−41.2	------	------		0	2	ASt (NW?)	0	----	------	
7	20	28.919	−47.3	------	−48.0		0	1	Ci	0	----	.2	
8	8	29.020	−59.2	------	−59.2	SW	6	0	------	0	----	------	
8	14	29.013	−63.0	------	------	SW	3	Few	ASt (WNW?)	0	----	------	
8	20	28.965	−62.0	------	−64.0	SSW	3	Few	ASt (WNW?)	0	----	0	
9	8	28.864	−63.6	------	−63.6	SW	5	0	------	0	----	------	
9	14	28.907	−66.2	------	------	SSW	9	0	------	0	----	------	
9	20	28.955	−70.1	------	−70.1	S	2	1	Ci (NW?)	0	----	0	Slight cracking noises heard repeatedly in the evening.
10	8	29.043	−58.0	------	−71.1	SE	2	2	ASt	0	----	------	
10	14	29.110	−65.1	------	------		0	0	------	0	----	------	Crescent moon.
11	20	29.193	−65.8	------	−67.4	SW	2	Few	Ci	0	----	0	
11	8	29.408	−49.8	------	−66.0	SW	18	2	ASt	Lt.	----	------	
11	14	29.447	−62.2	------	−63.8	WSW	15	0	------	0	----	------	
12	20	29.371	−57.4	------	−63.8	SW	18	Few	St	Lt.	----	0	Hazy along NW horizon.
12	8	29.147	−47.0	------	−57.4	WSW	18	4	ASt	0	----	------	
12	14	29.116	−49.2	------	------	SW	2	2	1 Ci, 1 ASt	0	----	------	
13	20	29.147	−57.0	------	−57.0	E	5	3	2 CiSt, 1ASt	0	----	0	Ice crystals falling at 21:30h.
13	8	29.093	−65.8	------	−66.8	SW	2	Few	ASt	0	----	------	
13	14	29.043	−64.8	------	------	ENE	2	4	2 Ci, 2 ASt	0	----	------	
13	20	29.031	−52.8	------	−66.5	S	6	4	CiSt	0	----	T	Lt. haze; very faint 22° lunar halo, paraselenae and lunar cross. Vy. lt. snow B. 20:45h.
14	8	28.999	−36.8	------	−54.8	E	12	2	1 CiSt, 1 ASt	0	----	------	Vy. lt. snow ended 3:30h.
14	14	28.945	−49.3	------	------	SSW	3	Few	Ci	0	----	------	

[1] Total snowfall for month, 16.2 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
July 14	20	28.876	−47.8	------	−51.0		0	9	9 CiSt, Few St SSE	0	----	T	Bright 22° lunar halo from 17h to 21h.
15	8	28.796	−26.9	------	−47.8	SSW	13	4	CiSt	0	----	------	
15	14	28.780	−23.6	------	------	ESE	20	6	Ci	Lt.	----	------	22° lunar halo at 12h.
15	20	28.844	−39.3	------	−39.3	SSW	2	2	ASt	0	----	0	
16	8	28.730	−41.2	------	−46.3	SW	9	6	Ci	0	----	------	
16	14	28.742	−41.5	------	------	SW	9	4	Ci	0	----	------	22° lunar halo.
16	20	28.735	−43.0	------	−44.8	SW	7	3	Ci	0	----	0	22° lunar halo. Ice crystals falling; horizon very hazy.
17	8	28.665	−46.3	------	−48.2	SSW	4	Few	Ci	0	----	------	Full moon; paraselenae from 3:30h to 8h. Ice crystals falling until 6h.
17	14	28.652	−52.2	------	------	SW	4	0		0	----	------	
17	20	28.672	−54.8	------	−55.6	SE	4	0		0	----	0	
18	8	28.764	−44.3	------	−56.3	ENE	12	8	St ENE	0	----	------	St moved in rapidly at 7:35h.
18	14	28.764	−25.3	------	------	E	14	10	St	0	----	------	Lt. snow from 11:15h to 14:15h.
18	20	28.714	−32.2	------	−44.3	SSW	5	1	Ci	0	----	T	Bright 22° lunar halo.
19	8	28.612	−40.2	------	−43.0	W	7	10	St	0	----	------	Rapid formation of St and windshift to W at 7:30h.
19	14	28.579	−19.8	------	------		0	10	St	0	----	------	Brilliant lunar corona visible until 20h.
19	20	28.646	−23.7	------	−40.2	NW	6	9	StCu SW	0	----	0	
20	8	28.710	−10.0	------	−30.9	ENE	8	10	St	0	----	------	Mod. snow since 3:30h.
20	14	28.834	0.7	------	------	NNW	5	10	St	0	----	------	Lt. snow until 14:15h.
20	20	28.945	−10.1	------	−10.1	SW	7	10	St WNW	0	----	.5	
21	8	28.987	−37.8	------	−39.1	SW	4	9	CiSt	0	----	------	Faint 22° lunar halo.
21	14	28.943	−32.1	------	------	E	8	9	5 CiSt, 4 St E	0	----	------	Brilliant moonlight.
21	20	28.883	−29.9	------	−40.2	S	6	9	5 CiSt, 4 St	0	----	0	Bright lunar corona.
22	8	28.910	−37.5	------	−44.0		0	5	5 CiSt, Few St	0	----	------	22° lunar halo, upper tangent arc and paraselenae.
22	14	28.899	−38.5	------	------		0	10	2 CiSt, 8 St	0	----	------	St moved in rapidly at 12:30h.
22	20	28.856	−33.0	------	−40.1	S	5	7	StCu SSW	0	----	0	
23	8	28.828	−32.8	------	−33.4	E	2	8	5 ASt WSW, 3 St	0	----	------	Lt. snow from 0h to 3:30h.
23	14	28.840	−35.3	------	------	ENE	2	4	4 CiSt, Few StCu	0	----	------	
23	20	28.893	−39.1	------	−39.1		0	6	6 CiSt, Few St SW	0	----	T	
24	8	29.068	−53.8	------	−53.8	SW	7	1	Ci	0	----	------	Lunar pillar.
24	14	29.106	−56.1	------	------		0	4	Ci	0	----	------	Thin St drifted in from (NE?) about 17h.
24	20	29.079	−44.3	------	−58.6	ENE	5	10	StCu	0	----	T	Vy. lt. snow from 19h to 22:30h.
25	8	28.909	−46.0	------	−46.0	SE	2	3	1 CiSt, 2 ASt WSW	0	----	------	Lt. snow from 0h to 3:10h.
25	14	28.709	−47.5	------	------	SW	9	10	St W	0	----	------	
25	20	28.467	−59.7	------	−59.7	SSW	16	10	St (W?)	Lt.	----	T	Vy. lt. snow from 17h to 22h.
26	8	28.500	−66.5	------	−68.8	SW	14	3	1 CiSt, 2 St	0	----	------	St along horizon.
26	14	28.457	−66.1	------	------	WSW	15	2	CiSt	0	----	------	
26	20	28.391	−64.6	------	−68.1	W	9	Few	Ci	0	----	0	Faint 22° lunar halo and bright lunar cross at 22h.
27	8	28.457	−54.0	------	−64.6	WSW	2	7	4 CiSt, 3 StCu W	0	----	------	
27	14	28.633	−65.8	------	------	SW	15	Few	ASt, StCu	0	----	------	
27	20	28.760	−60.8	------	−67.5	WSW	9	0		0	----	0	Ice crystals falling at 20:30h.
28	8	28.935	−68.6	------	−68.6	SSE	2	Few	ASt	0	----	------	
28	14	29.076	−70.8	------	------		0	Few	Ci	0	----	------	
28	20	29.226	−70.9	------	−72.2	SSE	3	0		0	----	0	−72.4 at 21h.
29	8	29.338	−55.1	------	−72.4	E	15	10	8 CiSt, 2 St	0	----	------	
29	14	29.332	−41.5	------	------	ESE	15	10	St	0	----	------	Lt. snow from 12:45h to 18h.
29	20	29.308	−47.8	------	−55.1	SSW	9	2	St	0	----	.2	
30	8	28.796	−7.5	------	−48.7	ESE	27	10	St	Hvy.	----	------	Lt. to hvy. snow from 0h to 11h.
30	14	29.191	−34.1	------	------	SSW	14	2	St	Lt.	----	------	
30	20	29.383	−35.8	------	−37.5	S	19	10	St (WSW?)	------	----	3.0	Lt. snow from 19h to 21h.
31	8	29.395	−15.3	------	−36.3	E	24	10	St	Mod.	----	------	Hvy. snow since 0h.
31	14	29.357	−7.5	------	------	ESE	19	10	St	Lt.	----	------	Lt. snow.
31 [6]	20	29.393	9.7	------	−15.7	NE	16	10	St	0	----	4.0	Hvy. snow; large flakes. Temperature range 82° in 3 days.

[6] Total snowfall for month, 8.9 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
Aug. 1	8	29.411	11.3	------	4.3	NE	15	10	St	0	----	------	Lt. snow; large flakes.
1	14	29.438	10.3	------	------	NE	7	10	St	0	----	------	Mod. snow until 19h.
1	20	29.453	13.6	------	10.0	SE	10	10	St	0	----	2.5	Mist from 20:45h to 22h, forming a thin coating of ice on all exposed objects.
2													
2	8	29.389	3.2	------	3.2	ESE	21	4	CiSt	Lt.	----	------	
2	14	29.366	11.5	------	------	SE	23	9	StCu (SE?)	Lt.	----	------	
3	20	29.347	11.5	------	3.2	SE	24	10	StCu (SE?)	Lt.	----	T	
3	8	29.340	−12.3	------	−12.3	SSW	9	10	ASt	0	----	------	
3	14	29.352	−20.3	------	------	SSW	12	7	2 CiSt, 5 ASt	0	----	------	
4	20	29.344	−33.3	------	−33.3	S	15	2	ASt	0	----	.2	
4	8	29.135	−31.1	------	−37.4	S	13	9	CiSt	0	----	------	
4	14	29.041	−21.7	------	------	S	13	10	St	0	----	------	
5	20	28.955	−18.2	------	−31.8	S	15	10	St	0	----	.5	Mod. snow since 19:40h.
5	8	28.935	−21.0	------	−24.5	S	12	10	St	0			Ice crystals falling. Lt. snow until 5h.
5	14	29.005	−14.1	------	------	S	6	10	St	0	----	------	
6	20	29.148	−14.5	------	−21.0	SSW	11	4	St (NW?)	0	----	.5	
6	8	29.497	−32.2	------	−32.2	S	15	3	St	0	----	------	Lt. snow from 7:30h to 13h.
6	14	29.569	−15.0	------	------	SSW	13	8	St	0	----	------	
7	20	29.600	−19.8	------	−32.2	SSW	9	10	St (E?)	0	----	.3	Lt. snow.
7	8	29.591	−10.8	------	−21.2	S	6	8	4 ASt, 4 StCu	0	----	------	
7	14	29.561	−15.0	------	------	S	5	9	St	0	----	------	Moon visible.
8	20	29.540	−25.0	------	−26.8	SSE	4	0		0	----	T	
8	8	29.438	−35.8	------	−35.8	SSW	3	3	ASt	0	----	------	
8	14	29.365	−40.6	------	------	S	7	3	Ci	0	----	------	
9	20	29.299	−44.3	------	−46.4	SSW	7	2	Ci	0	----	0	
9	8	29.146	−38.2	------	−44.8	SW	3	8	5 A St,3 StCu	0	----	------	
9	14	29.071	−39.0	------	------	SSW	3	6	5 CiSt, 1 StCu	0	----	------	
10	20	28.958	−44.6	------	−45.0	SSW	2	0		0	----	0	Ice crystals falling. Paraselenae and lunar pillar.
10	8	29.062	−55.5	------	−55.5	SSW	2	0		0	----	------	
10	14	29.140	−59.1	------	------		0	Few	Ci	0	----	------	St formed quickly at 15h.
11	20	29.191	−40.0	------	−60.1		0	10	St	0	----	0	Lt. fog.
11	8	29.159	−7.2	------	−40.0	ESE	16	10	St	Lt.	----	------	Lt. snow since 0h.
11	14	29.146	−6.6	------	------	ESE	14	9	ASt	0	----	------	Lt. snow. Moon faint.
12	20	29.173	−8.4	------	−8.6	W	3	9	ASt	0	----	1.5	Lt. snow until 21h; moon faint, few stars visible.
12	8	29.316	−22.7	------	−29.1	E	3	10	1 ASt, 9 St	0	----	------	Moon faint.
12	14	29.309	−41.1	------	------	WSW	5	9	7 CiSt, 2 St	0	9	------	
13	20	29.172	−47.5	------	−48.3	SW	5	Few	CiSt	0	----	0	Faint 22° lunar halo.
13	8	28.863	−43.9	------	−48.6	SW	10	9	St (W?)	0	----	------	Bright 22° lunar halo, paraselenae, lunar cross at 2:30h.
13	14	28.851	−50.8	------	------	WSW	7	Few	St (W?)	0		8	
14	20	28.889	−58.5	------	−59.0	WSW	3	Few	CiSt?	0	----	0	Small, colorful corona.
14	8	29.113	−41.9	------	−64.0	E	9	10	St	0	----	------	Lt. snow from 5:50h to 11:20h. Dn. fog from 10h to 11:30h.
14	14	29.233	−20.5	------	------	N	16	8	St N	Lt.	7	------	Abrupt windshift at 9:32h.
15	20	29.333	−40.2	------	−41.9	ESE	16	4	3 CiSt, 1 St N	0	----	.5	Lunar halo 17:30h to 18h.
15	8	28.913	−24.6	------	−41.3	SW	7	10	St	0	----	------	Moon faint.
15	14	28.762	−36.0	------	------	SW	2	2	St O	0	9	------	
16	20	28.645	−32.5	------	−40.7	SSW	12	9	9 StCu E, Few St SSE.	0	----	T	Bright lunar halo at 18:30h. Hvy. snow B. 1:20.
16	8	27.978	5.4	------	−34.2	E	24	10	St	Hvy.	0	------	Hvy. snow.
16	14	27.890	−1.0	------	------	NE	30	10	St	Hvy.	----	------	Station pressure 27:82 at 11h.
17	20	27.957	−4.4	------	−4.4	ENE	27	10	St	Mod.	----	3.0	Lt. snow.
17	8	28.442	−7.9	------	−7.9	NE	23	10	StCu ENE	Mod.	----	------	
17	14	28.612	−15.5	------	------	ESE	12	8	5 ASt NE, 3 St NE	0	----	------	
18	20	28.505	−5.0	------	−17.2	S	6	10	StCu E	0	----	1.0	
18	8	28.852	−0.8	------	−5.0	NE	25	9	9 St Cu (NE?), Few St (NE?).	Mod.	3	------	
18	14	29.131	−6.6	------	------	NE	14	6	3 Ci, 3 StCu NE	0	9	------	
19	20	29.337	−12.6	------	−17.8	ENE	4	6	StCu NE	0	----	1.0	
19	8	29.623	12.2	------	−15.0	ESE	9	10	1 ASt, 9 St (NE?)	0	----	------	
19	14	29.751	6.0	------	------	E	5	10	2 ASt, 8 StCu NE	0	----	------	
20	20	29.831	−2.8	------	−3.8	E	11	9	4 CiSt, 5 ASt (NE?)	0	----	0	
20	8	29.821	−15.2	------	−15.2	NNE	3	7	4 CiSt, 3 ASt	0	----	------	
20	14	29.754	−17.0	------	------		0	5	CiSt	0	3	------	Lt. fog since 12h.
	20	29.709	−10.3	------	−21.7	SSW	2	2	Ci	0	----	0	Mod. rime deposit produced by fog. Paraselenae.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Aug. 21	8	29.454	−20.5	------	−25.2	W	7	9	6 CiSt, 3 ASt	0	----	------	
21	14:30	29.364	−25.6	------	------	WSW	5	10	ASt WSW	0	7	------	Lt. fog.
21	20	29.280	−19.2	------	−26.2	WSW	6	10	St	0	----	0	
22	8	29.143	−34.2	------	−36.0	WSW	6	10	7 ASt, 3 St	0	----	------	
22	14	29.124	−36.8	------	------	SW	16	3	3 Ci, Few StCu S	0	9	------	
22	20	29.169	−33.1	------	−39.2	WSW	19	10	ASt	0	----	T	
23	8	29.184	−46.0	------	−46.0	SW	3	8	CiSt	0	7	------	Sun just visible on Barrier horizon at 12h.
23	14	29.145	−51.4	------	------	SW	3	3	3 Ci, Few ASt (SSW?).	0	9	------	
23	20	29.087	−51.8	------	−54.0	E	7	0	----------	0	----	0	
24	8	29.008	−53.0	------	−55.1	S	3	0	----------	0	5	------	Ice crystals falling.
24	14	28.941	−53.1	------	------		0	2	2 Ci, Few ASt	0	9	------	
24	20	28.839	−56.4	------	−56.7		0	0	----------	0	----	0	
25	8	28.720	−48.1	------	−56.4	SW	7	Few	Ci	0	5	------	Ice crystals falling.
25	14	28.730	−52.3	------	------		0	1	ASt (S?)	0	5	------	Do.
25	20	28.770	−55.0	------	−56.3	SSW	4	0	----------	0	----	0	
26	8	28.830	−56.2	------	−56.2	SSE	5	Few	ACu	0	9	------	
26	14	28.849	−57.2	------	------	NE	6	1	Ci	0	9	------	A few Ci on NW horizon.
26	20	28.896	−59.5	------	−59.5	S	3	0	----------	0	----	0	
27	8	28.949	−59.5	------	−61.0	S	3	2	Ci	0	9	------	
27	14	28.945	−56.8	------	------		0	9	CiSt	0	6	------	Bright sunlight.
27	20	28.970	−56.0	------	−59.5	SW	3	4	CiSt	0	----	0	
28	8	28.945	−49.0	------	−57.0	E	4	7	CiSt	0	----	------	
28	14	28.914	−44.7	------	------	NE	14	10	St W	0	8	------	
28	20	28.875	−39.1	------	−51.0		0	10	St	0	----	T	Lt. snow since 16:45h.
29	8	28.833	−24.6	------	−51.0	ENE	5	10	St	0	----	------	Lt. snow. St and StCu from WNW at 10h.
29	14	28.888	−9.0	------	------	NE	15	10	St	0	5	------	Lt. snow.
29	20	28.995	−11.2	------	−25.8	NE	13	10	St	0	----	.3	Lt. snow E. D. P.
30	8	29.081	−26.7	------	−28.0	E	12	9	ASt	0	8	------	
30	14	29.054	−31.7	------	------	WSW	2	10	ASt SSW	0	6	------	Vy. lt. snow.
30	20	28.965	−37.0	------	−38.8	SW	4	2	ASt	0	----	T	
31	8	28.780	−55.8	------	−55.8	S	9	1	Ci	0	9	------	Ice crystals falling at 9h.
31	14	28.769	−60.0	------	------	S	2	1	CiSt	0	7	------	
31 [1]	20	28.767	−63.1	------	−63.1	SW	4	Few	CiSt	0	----	0	
Sept. 1	8	28.850	−63.2	------	−66.0		0	2	CiSt (NNW?)	0	8	------	
1	14	28.867	−64.4	------	------		0	3	Ci (NNW?)	0	9	------	
1	20	28.927	−65.0	------	−65.0	SW	3	0	----------	0	----	0	Moderate noise from the ice at 15h.
2	8	28.990	−51.8	------	−66.2	SW	6	9	3 ASt (ENE?), 6 StCu ENE.	0	5	------	Lt. snow from 8:30h to 9:30h.
2	14	29.038	−43.1	------	------	SSW	9	10	St NNE	0	6	------	
2	20	29.073	−38.2	------	−51.8	SSW	9	8	4 StCu, 4 St	0	----	T	Lt. fog.
3	8	29.158	−44.3	------	−47.5	SW	12	10	6 ASt, 4 St SW	0	4	------	Ice crystals falling. Lt. fog.
3	14	29.226	−38.8	------	------	SW	12	3	1 Ci, 2 St SW	0	5	------	22° solar halo and parhelia at 12:15h; hazy along horizon.
3	20	29.284	−43.4	------	−44.6	SW	12	2	StCu (SW?)	0	----	0	
4	8	29.354	−52.5	------	−53.2	SW	3	4	2 Ci NE, 2 ASt NE	0	9	------	
4	14	29.392	−52.0	------	------	WSW	4	2	CiSt NE	0	9	------	
4	20	29.468	−48.0	------	−54.2	WSW	7	3	CiSt	0	----	0	
5	8	29.627	−35.0	------	−52.2		0	10	St W	0	5	------	Lt. snow.
5	14	29.681	−26.1	------	------	NNE	10	10	St WNW	0	6	------	Vy. thin St from W at 11h.
5	20	29.752	−20.5	------	−35.0	W	5	8	4 StCu W, 4 St W	0	----	T	Clear at 21h.
6	8	29.788	−41.2	------	−41.2	WSW	7	7	StCu W	0	7	------	Looming observed this morning. Clouds passed off rapidly at 8:30h.
6	14	29.823	−53.3	------	------	SW	12	Few	StCu SW	0	9	------	
6	20	29.851	−52.6	------	−54.9	SW	11	2	2 ASt, Few St	0	----	0	
7	8	29.808	−54.0	------	−54.8	SSW	5	Few	CiSt SW	0	9	------	
7	14	29.722	−53.2	------	------	SW	5	4	CiSt SW	0	6	------	
7	20	29.614	−55.0	------	−56.8		0	2	CiSt	0	----	0	Hvy. St moved in rapidly at 20:55h.
8	8	29.396	−39.5	------	−56.2	ESE	19	10	St	Lt.	3	------	
8	14	29.414	−53.5	------	------	SSW	10	Few	StCu	0	8	------	Ice crystals falling. Parhelia at 12h.
8	20	29.442	−61.3	------	−61.9	SSW	7	Few	ASt	0	----	.2	Moon bright.
9	8	29.425	−61.2	------	−64.5	SSW	5	0	----------	0	9	------	
9	14	29.419	−58.8	------	------	S	9	1	CiSt NW or WNW	0	8	------	Parhelia, upper tangent arc and sun pillar at 11h.
9	20	29.354	−58.5	------	−61.6	SSW	7	2	CiSt	0	----	0	

[1] Total snowfall for month, 11.3 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0–10	From		0–9	Inches	
Sept. 10	8	29.116	−57.8	------	−59.6	SW	10	0	------	0	8	------	
10	14	28.929	−53.0	------	------	SSW	7	3	ASt SSW	0	7	------	
10	20	28.795	−52.8	------	−57.8	ESE	2	Few	ASt	0	----	0	
11	8	28.676	−59.0	------	−60.0	SE	4	Few	ASt SW	0	8	------	
11	14	28.680	−64.6	------	------	S	12	2	Few ASt SW, 2 St S.	0	8	------	
11	20	28.719	−66.8	------	−66.8	SE	9	Few	St	0	----	0	Bright moonlight.
12	8	28.696	−60.7	------	−67.5	E	4	0	------	0	3	------	Ice crystals falling until 10h.
12	14	28.820	−58.7	------	------	SW	9	0	------	0	8	------	
12	20	28.982	−61.3	------	−62.6	E	2	0	------	0	----	0	
13	8	29.169	−50.8	------	−63.3	E	12	Few	Ci	0	5	------	Lt. fog.
13	14	29.194	−37.5	------	------	E	19	8	3 Ci NW, 5 CiSt NW.	Mod.	3	------	
13	20	29.238	−35.0	------	−50.8	E	16	3	CiSt	Lt.	----	0	
14	8	29.393	−52.1	------	−53.0	E	3	3	Ci WNW	0	9	------	
14	14	29.426	−49.2	------	------	NE	2	Few	CiSt	0	8	------	
14	20	29.434	−54.0	------	−55.0	NE	8	0	------	0	----	0	Pronounced looming to S.
15	8	29.362	−47.7	------	−57.6	E	3	4	1 Ci WNW, 3 St SE.	0	8	------	
15	14	29.265	−47.3	------	------	ENE	8	8	CiSt WNW	0	8	------	Parhelion.
15	20	29.147	−45.1	------	−49.6	ESE	3	7	CiSt	0	----	0	22° lunar halo and paraselenae at 20:30h.
16	8	28.940	−40.3	------	−45.1	SW	9	10	ASt NW	0	8	------	
16	15	28.935	−44.8	------	------	SW	11	9	CiSt	0	8	------	22° solar halo.
16	20	28.943	−42.3	------	−45.7	SW	7	9	CiSt	0	----	0	Bright lunar halo.
17	8	28.995	−38.0	------	−42.7	S	5	9	CiSt NNW	0	9	------	
17	14	28.969	−33.8	------	------	E	16	4	3 ASt N, 1 StCu	0	8	------	
17	20	28.844	−34.0	------	−38.0	ESE	17	5	3 CiSt, 2 StCu N	Lt.	----	T	Lt. snow B. 23 h.
18	8	28.208	−5.0	------	−34.3	ESE	25	10	4 ASt, 6 St NNE	Mod.	2	------	Mod. snow until 7:30h.
18	14	28.091	−14.0	------	------	SSW	6	10	9 ASt E, 1 StCu	0	6	------	
18	20	28.051	−23.2	------	−23.2	SSW	15	10	ASt	0	----	1.0	Pronounced water sky during day, 22° lunar halo.
19	8	28.236	−27.0	------	−29.2	SW	18	4	1 Ci, 3 ASt SW	Lt.	8	------	
19	14	28.424	−28.6	------	------	SW	18	3	3 Ci, Few StCu	0	9	------	Shower of ice crystals, halo, parhelia and upper tangent arc at 13:30h.
19	20	28.578	−36.0	------	−36.0	WSW	12	Few	Ci	0	----	0	
20	8	28.686	−41.4	------	−42.2	WSW	6	9	St	0	6	------	Water sky, 22° lunar halo, paraselenae and lunar cross in early morning.
20	15:45	28.761	−32.3	------	------	SW	12	10	St	0	3	------	Lt. fog from 13:40h to 18h.
20	20	28.770	−26.2	------	−41.5	SW	9	10	St	0	----	T	Lt. snow since 21:15h.
21	8	28.775	−21.8	------	−26.2	SW	14	10	St	0	5	------	Water sky. Lt. snow until 6h.
21	14	------	−21.0	------	------	SSW	4	10	St	0	6	------	
21	20	28.872	−17.8	------	−22.0	SSW	18	10	St	Lt.	----	.2	Water sky.
22	8	28.931	−37.2	------	−37.2	SW	15	0	------	0	9	------	Rapid clearing of St at 6h.
22	14	28.922	−39.0	------	------	SW	16	10	St	0	4	------	St moved in from SSW at 12h; clearing at 16h.
22	20	28.940	−41.3	------	−41.3	SW	7	Few	Ci	0	----	0	
23	8	28.728	−40.8	------	−50.2	SW	5	10	StCu NW	0	6	------	Lt. snow until 10h.
23	14	28.646	−46.0	------	------	SW	7	9	St NNW	0	4	------	Lt. fog. Open water observed off barrier in afternoon.
23	20	28.568	−39.6	------	−46.5	S		9	St	0	----	T	Water sky.
24	8	28.542	−29.0	------	−40.0	SE	10	Few	StCu SE	0	9	------	
24	14	28.503	−32.1	------	------	SSW	11	7	ASt SE	0	6	------	Faint 22° solar halo. ASt moved in from SE at 12h.
24	20	28.435	−34.9	------	−37.7	SSW	13	10	ASt S	0	----	.5	Water sky; ASt apparently lowering in evening.
25	8	28.473	−42.0	------	−51.1	E	15	9	StCu N	Lt.	5	------	
25	14	28.576	−32.1	------	------	E	21	10	StCu N	Lt.	4	------	
25	20	28.691	−33.4	------	−42.0	ESE	15	8	ASt E	0	----	0	
26	8	28.811	−45.0	------	−49.0	SW	9	5	ACu NE	0	8	------	
26	14	28.846	−40.5	------	------	S	4	Few	ASt (NE?)	0	7	------	
26	20	28.838	−41.0	------	−46.4	E	2	8	8 CiSt ENE, Few St N.	0	----	0	Water sky; hvy. sea smoke observed from bay.
27	8	28.843	−45.0	------	−50.8	S	4	Few	Ci	0	9	------	
27	14	28.780	−40.7	------	------	SW	7	Few	Ci	0	9	------	
28	20	28.743	−52.3	------	−52.3	SW	5	Few	Ci	0	8	0	
28	8	28.674	−56.7	------	−60.0	SW	7	0	------	0	9	------	
28	14	28.647	−50.0	------	------	SSW	13	0	------	0	8	------	
29	20	28.707	−56.6	------	−57.3	SSW	2	Few	StCu	0	8	0	
29	8	28.674	−54.5	------	−61.7	E	4	0	------	0	9	------	
	14	28.586	−50.7	------	------	ESE	5	0	------	0	7	------	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Sept. 29	20	28.556	−56.8	------	−57.4	E	2	Few	StCu SSW	0	6	0	
30	8	28.527	−46.8	------	−63.0	E	12	10	St N	0	3	------	Lt. fog.
30	14	28.534	−15.3	------	------	N	20	10	St N	Mod.	2	------	Snowing since 13h.
30 [8]	20	28.551	−13.8	------	−46.8	NE	24	10	St (N?)	Hvy.	1	.5	Mod. snow.
Oct. 1	8	28.630	−18.0	------	−21.3	ESE	24	10	St ESE	Hvy.	1	------	Mod. snow.
1	14	28.637	−13.1	------	------	ESE	18	10	St Cu NE	Lt.	3	------	Lt. snow.
1	20	28.664	−14.3	------	−18.4	E	15	10	St. ENE	0	4	1.0	Lt. snow until D. A.
2	8	28.781	−29.5	------	−29.5	W	10	7	5 Ci St, 2 ASt ESE	0	8	------	22° solar halo 6h to 9h.
2	14	28.841	−36.0	------	------	SW	9	3	1 CiSt SW, 2 ASt SW	0	6	------	
2	20	28.885	−41.7	------	−43.1	WSW	3	9	StCu SSW	0	6	T	Ice crystals falling at 16h.
3	8	28.919	−28.0	------	−41.7	WSW	6	9	St	0	4	------	Lt. fog. Rapid clearing of St and fog after 8h.
3	14	28.876	−39.4	------	------	W	7	Few	ASt SW	0	9	------	
3	20	28.811	−48.4	------	−48.4	SW	9	Few	ASt SW	0	9	0	
4	8	28.687	−45.0	------	−48.4	WSW	9	0	------	0	9	------	
4	14	28.626	−41.5	------	------	WSW	3	0	------	0	6	------	Lt. haze along horizon.
4	20	28.583	−52.1	------	−54.6	E	7	Few	St	0	7	0	Open water off mouth of bay. The bay is broken up into pressure ridges.
5	8	28.523	−37.3	------	−53.3	E	7	9	CiSt	0	6	------	
5	14	28.453	−29.5	------	------	SSW	9	10	ASt (E?)	0	6	------	Bright 22° halo all afternoon; parhelion at 16h.
5	20	28.375	−25.6	------	−37.3	SSE	5	10	St (SE?)	0	8	---- 0	Strong water sky.
6	8	28.295	−27.3	------	−27.3	SSW	17	10	StCu SE	Lt.	5	------	
6	14	28.334	−23.7	------	------	SSW	11	9	7 CiSt (E?), 2 ASt E.	0	7	------	22° solar halo from 13h to 16:30h.
6	20	28.347	−39.8	------	−39.8	SSW	9	9	CiSt (E?)	0	7	0	
7	8	28.304	−24.2	------	−44.5	E	8	9	St NE	0	7	------	StCu drifted in from NE at 5h. Marked looming of West barrier, 6h. to 6:30h.
7	14	28.350	−11.6	------	------	E	12	10	St NE	0	5	------	Lt. snow from 12:30h to 15:30h.
7	20	28.483	−11.2	------	−24.2	ENE	11	10	St NNE	0	6	.1	Lt. snow from 18:45 to D.P.
8	8	28.736	−6.2	------	−12.1	E	13	10	St NNE	0	6	------	Water sky.
8	14	28.871	−4.8	------	------	ESE	15	10	St NNE	0	6	------	
8	20	28.918	−7.8	------	−9.2	E	12	10	St NNE	0	6	T	
9	8	28.926	−6.3	------	−9.6	S	12	9	St	0	6	------	Water sky.
9	15	28.881	−5.4	------	------	S	15	10	St (SSW?)	0	6	------	Water sky. Ice crystals falling at 17h.
9	20	28.833	−16.5	------	−19.0	SSW	14	Few	ASt (S?)	0	7	0	Extraordinary halo phenomena from 17:30h to 18:50.h
10	8	28.806	−40.0	------	−40.8	SSW	13	3	ASt (S?)	0	5	------	Lt. haze; thick along horizon. Thin St at 5:30h.
10	14	28.847	−35.0	------	------	SW	9	10	St	0	8	------	Lt. fog since 9h.
10	20:30	28.863	−41.5	------	−42.2	S	4	0	------	0	7	0	Rapid clearing at 16:30h.
11	8	28.835	−21.1	------	−47.5	SW	9	10	St S	0	7	------	
11	14	28.819	−31.8	------	------	SSW	8	0	------	0	9	------	Abrupt clearing at 10:30h.
11	20	28.823	−40.0	------	−42.2	SSW	6	5	St S	0	7	0	Clouded up rapidly between 19 h and 19:30h.
12	8	28.767	−38.0	------	−45.0	E	21	4	CiSt	Mod.	3	------	StCu from NE at 8:45.
12	14	28.890	−13.5	------	------	E	22	10	St E	Mod.	2	------	Lt. snow from 9h to 15:15h.
12	20	29.032	−30.8	------	−38.0	ESE	9	Few	StCu E	0	8	.3	
13	8	28.959	−31.0	------	−45.0	ESE	3	9	ASt	0	6	------	
13	14	28.919	−27.0	------	------	SSW	7	Few	Ci ESE	0	9	------	Bright 22° solar halo from 9:25h to 10h.
13	20	28.913	−36.3	------	−36.3	SSW	5	1	Ci E	0	9	0	
14	8	28.911	−35.4	------	−46.7	S	2	2	Ci ESE	0	9	------	Bank of fog on top of higher barrier to the N at 13h; apparently rolling in slowly from the NW. Fog reached the camp at 16h, but lifted an hour later leaving a solid layer of St.
14	14	28.961	−25.8	------	------	ENE	2	2	Ci ESE, Few St.	0	8	------	
14	20	29.020	−8.8	------	−35.4	NNE	9	9	St	0	7	0	Vy. lt. snow; clear in SW.
15	8	29.254	−11.0	------	−11.0	ESE	15	10	St SE	0	5	------	
15	14	29.222	−14.0	------	------	SE	7	Few	St SE	0	9	------	
15	20	29.161	−20.0	------	−22.1	N	6	4	CiSt ENE	0	9	0	CiSt vy. low; banked up heavily in N. Parbelion.
16	8	29.012	−23.0	------	−31.7	SSW	2	Few	Ci SE	0	9	------	
16	14	28.966	−19.2	------	------	SW	5	1	1 CiSt SE, Few ACu SE.	0	9	------	

[8] Total snowfall for month, 2.4 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
Oct. 16	20	28.946	−26.0	------	−26.0	S	10	7	3 (ASt?) NW, 4 (ACu?) NW.	0	8	0	Green Flash observed intermittently from 20:45h to 21:20h.
17	8	28.893	−4.4	------	−26.0	E	12	10	St	0	6	------	
17	15	28.893	1.9	------	------	E	15	10	St	0	5	------	
17	20	28.906	−2.1	------	−4.4	E	10	10	St	0	5	T	Few flakes of snow from 16:30h to 21h.
18	8	28.937	1.5	------	−14.5	SE	11	1	St ESE	0	9	------	Shower of ice crystals from 9:45h to 10:35h with brilliant and complex halo phenomena.
18	14	29.003	−8.2	------	------	E	18	10	St	0	4	------	Lt. fog; lt. snow since 13:45h.
18	20	29.085	−5.5	------	−9.6	E	16	10	St	0	5	.2	Lt. snow until 21:30h.
19	8	29.260	0.5	------	−5.8	ESE	15	10	St NNE	Lt.	----	------	Lt. snow at intervals since 1h.
19	14	29.328	5.0	------	------	E	14	10	St (NNE?)	0	5	------	Lt. snow until 15:45h.
19	20	29.400	3.0	------	0.5	E	10	10	St	0	----	.2	
20	8	29.418	6.7	------	1.9	ESE	10	10	St	0	5	------	Water sky.
20	14	29.369	7.3	------	------	ESE	14	10	St	0	7	------	Do.
20	20	29.329	3.0	------	3.0	ESE	15	10	St	0	7	T	Lt. snow from 17:30h to 19h. Water sky; drift along surface. St broke up and gave way to Ci at 22:30h.
21	8	29.215	1.0	------	−5.8	E	13	8	5 CiSt (NW?), 3 ASt (NW?)	0	----	------	22° halo from 9h to 11h; parhelia and upper tangent arc.
21	14	29.148	7.3	------	------	ESE	10	1	1 Ci, Few St	0	9	------	
21	20	29.082	−16.0	------	−16.0	SW	17	Few	Cist, ASt	0	9	0	Open water visible off mouth of bay.
22	8	28.914	−4.3	------	−24.8	SW	13	7	ACu S	0	7	------	
22	14	28.826	−7.8	------	------	SSW	14	8	5 CiSt S, 3 StCu S	0	8	------	Faint 22° solar halo visible most of afternoon and evening.
22	20	28.718	−17.0	------	−17.0	SW	14	8	7 CiSt S, 1 ASt S	0	7	0	Upper limb of sun visible at 23h.
23	8	28.771	−11.0	------	−29.0	E	19	10	St E	Mod.	3	------	
23	14	28.833	−4.9	------	------	ESE	14	10	St (ENE?)	0	6	------	
23	20	28.901	−12.0	------	−12.0	E	9	10	StCu NW	0	6	0	
24	8	28.961	−16.4	------	−19.7	SE	9	Few	St NE	0	9	------	Lt. fog from 4h to 5:30h. Rime deposit at 8h.
24	14	29.013	−11.2	------	------	SE	14	10	St ENE	0	6	------	St moved in slowly from NE at 11:30h.
24	20	29.067	−10.5	------	−16.8	SE	12	10	Dn. fog	0	3	0	Dn. fog since 19h. Lt. fog from 18h to 19h. Mirage from 16:45h to 18:30h.
25	8	29.128	−15.8	------	−19.0	S	2	4	ACu ESE	0	9	------	Dn. fog until 5:15. Fog bow at 5:30h. 1 inch of rime formed during fog on windward side of all exposed objects.
25	14	29.107	−13.0	------	------	SW	5	Few	ASt E	0	9	------	
25	20	29.089	−19.0	------	−20.8	S	4	Few	Ci ENE	0	9	0	
26	8	29.022	−24.4	------	−29.4	SSW	6	8	CiSt ESE	0	9	------	22° solar halo and faint parhelia; partial 46° halo and circumzenithal arc.
26	14	29.003	−13.7	------	------	SSW	5	1	Ci ESE	0	9	------	
26	20	28.965	−20.0	------	−24.4	SW	7	7	CiSt E	0	9	0	
27	8	28.914	−13.5	------	−24.0	SSW	7	1	Few Ci NNE, 1 ASt NE.	0	9	------	Clouded up rapidly between 9h and 10h, cleared at 10h.
27	14	28.897	−9.9	------	------	S	9	1	Few Ci (NNE?), 1 ASt NE.	0	9	------	
27	20	28.856	−7.1	------	−13.5	SW	7	9	StCu	0	8	T	Vy. lt. snow from 19:15h to 22h. Strong water sky.
28	8	28.740	−4.6	------	−14.4	WSW	6	9	CiSt ENE	0	8	------	
28	14	28.774	−6.2	------	------	S	9	5	5 CiSt SSE, Few ASt.	0	8	------	22° halo and upper tangent arc intermittently until 15h.
28	20	28.779	−7.8	------	−11.0	SW	5	7	ACu S	0	8	0	Looming over the sea.
29	8	28.791	−10.2	------	−17.0	W	9	2	1 ASt SW, 1 ACu SW	0	9	------	
29	14	28.790	−3.5	------	------	WSW	7	3	1 ASt (SW?), 2 ACu (SW?)	0	9	------	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Oct. 29	20	28.797	−10.8	------	−11.7		0	4	Few CiCu SSE, 4 St W	0	9	0	Snow flurries to N and SW at 22h.
30	8	28.820	0.9	------	−18.8	ESE	9	10	St NNW	0	5	------	
30	14	28.849	1.1	------	------	ESE	12	10	St NNW	0	6	------	Few flakes of snow falling continuously during entire day.
30	20	28.890	2.5	------	−0.3	E	5	10	St NNW	0	5	.1	Hvy. streamers of falling snow visible to N throughout the day.
31	8	28.973	7.5	------	2.5	E	9	10	St	0	5	------	
31	14	29.005	10.8	------	------	NNE	5	10	St	0	5	------	Few flakes of snow and some graupel falling at intervals.
31	21	28.998	9.2	------	6.6	N	2	10	St	0	6	.1	Strong water sky.
Nov. 1	8	28.965	9.4	------	5.0	ENE	4	10	St	0	5	------	Lt. snow and graupel falling.
1	14	28.934	8.0	------	------	W	6	10	St	0	5	------	Lt. snow. Hvy. streamers of falling snow were observed to N during most of day.
1	20	28.935	−1.0	------	------	WNW	10	10	St	0	5	.1	Few flakes of snow falling.
2	8	29.014	0.0	------	−4.8	E	7	10	St	0	5	------	Vy. lt. snow and graupel falling.
2	14	29.021	2.5	------	------	E	12	10	St	0	5	------	Occasional snow flurries.
2	20	29.031	1.4	------	−1.0	E	12	10	St N	0	6	.1	Vy. lt. snow and graupel fell almost constantly during the day.
3	8	29.125	2.4	------	0.2	ENE	9	10	St WSW	0	6	------	Snow flurries until 4h.
3	14:45	29.164	3.4	------	------	ENE	9	9	StCu SW, Few St	0	6	------	
3	20	29.211	0.8	------	−0.3	NE	9	10	9 StCu SW, 1 St NW	0	7	T	
4	8	29.254	8.8	------	−1.1	N	9	10	StCu NE	0	5	------	Lt. snow from 1h to 5h.
4	14	29.255	6.0	------	------	ESE	12	10	St ENE	0	5	------	Few flakes of snow falling.
4	20	29.236	1.3	------	1.3	E	15	10	St	Lt.	4	1.0	Mod. snow from 16:30h to 20:45h. CiSt visible for a short time at 15h.
5	8	29.146	−1.1	------	−4.6	SSE	12	1	1 St ESE, Few Ci, Few StCu SE	0	9	------	
5	14	29.133	1.0	------	------	S	12	1	1 St (SE?), Few Cu (SE?)	0	9	------	
5	20	29.104	−7.0	------	−7.0	S	12	8	StCu SSE	0	6	0	
6	8	29.098	−1.8	------	−7.8	SE	7	9	ASt	0	6	------	
6	14	29.070	1.0	------	------	SE	9	9	StCu SE	0	6	------	
6	20	29.018	−3.8	------	−3.8	S	9	9	StCu	0	6	0	
7	8	28.952	−3.9	------	−7.8	WSW	4	9	9 StCu (S?), Few St	0	6	------	
7	14	28.927	1.2	------	------	E	11	9	9 StCu (N?), Few St	0	6	------	
7	20	28.926	3.2	------	−3.9	NNW	12	10	St	0	6	T	Vy. lt. snow. Hvy. snow flurries visible to N during evening.
8	8	29.019	3.1	------	−1.3	NW	10	10	St NNW	0	6	------	Lt. snow until 6h.
8	14	29.069	2.1	------	------	NW	9	9	StCu NW	0	7	------	Hvy. snow to N at 9h. Lt. drift at 9:50h.
8	20	29.086	−1.6	------	−1.6	SW	3	10	StCu WNW	0	6	.6	Vy. lt. snow.
9	8	29.094	5.0	------	−5.4	NE	10	10	6 CiSt NNW, 4 StCu NW	0	6	------	Snowing.
9	14	29.089	5.0	------	------	NE	9	9	5 CiSt NNW, 4 Cu NNW	0	8	------	Mod. snow. Scattered CiSt (NNW) present most of day; occasionally some false Ci overflow from the Cu. 22° solar halo visible until 11h.
9	20	29.091	−1.4	------	−2.8	NE	9	9	3 CiSt NNW, 6 StCu NE	0	4	.8	Snowing until 22h. Brilliant parbelion at 21:30h.
10	8	29.180	−3.0	------	−7.8	ENE	14	5	3 CiSt N, 2 StCu SE	0	9	------	
10	14	29.196	1.8	------	------	S	6	3	CiSt NNE	0	9	------	
10	20	29.215	−3.6	------	−6.8	SW	7	5	3 ASt ESE, 2 ACu ESE	0	9	0	A sharp, sudden drop in temperature in the evening accompanied by a shower of ice crystals and brilliant parhelia. Looming observed to SW over the Bay ice.

[1] Total snowfall for month, 2.0 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall to 0h 24h	Remarks
			Dry	Max.	Min.								
1929	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0–10	From		0–9	Inches	
Nov. 11	8	29.228	−3.0	------	−16.7	SW	3	4	3 Ci ESE, 1 ACu (SE?) Few St	0	7	------	
11	14	29.227	1.1	------	------	S	11	9	StCu SSE	0	7	------	
11	20	29.220	−7.8	------	−7.8	S	6	4	2 ASt E, 2 ACu E	0	8	0	
12	8	29.195	−2.5	------	−17.9	SE	6	9	St SE	0	5	------	Snow flurry from 5h to 6h. Clouds breaking at 9h.
12	14	29.156	−2.0	------	------	ESE	16	5	2 ACu ESE, 3 StCu ESE	0	8	------	
12	20	29.143	−3.4	------	−3.4	ESE	18	9	StCu NE	Lt.	7	T	Parhelia. Hvy. snow flurries visible to N.
13	8	29.165	.5	------	−10.8		0	Few	ASt	0	9	------	
13	14	29.163	−2.0	------	------	SSW	2	Few	Ci	0	9	------	
13	20	29.226	−14.0	------	−14.0	E	10	0	------	0	9	0	
14	8	29.377	−4.0	------	−19.0	ESE	21	6	StCu NE	Lt.	6	------	
14	14	29.427	5.0	------	------	ESE	21	10	St NE	Lt.	4	------	
14	20	29.473	2.1	------	−5.0	ESE	13	3	StCu NE	0	9	0	
15	8	29.633	0.4	------	−10.3	E	6	1	ACu	0	9	------	
15	14	29.729	6.8	------	------	S	5	Few	ASt WNW	0	9	------	
15	20	29.775	−3.3	------	−4.3	E	8	Few	ACu (WNW?)	0	9	0	
16	8	29.828	2.6	------	−11.0	E	16	Few	Ci W	0	9	------	
16	14	29.821	10.0	------	------	ESE	18	1	Ci W	Lt.	8	------	
16	20	29.847	7.1	------	2.6	ESE	21	Few	CiSt W	Lt.	8	0	Ice crystals falling from 0h to 3h.
17	8	29.800	5.3	------	1.2	SW	6	Few	Ci (W?)	0	9	------	
17	14	29.744	9.1	------	------	SSW	7	Few	Ci WSW	0	9	------	
17	20	29.712	−1.5	------	−1.5	SSW	12	Few	Ci WSW	0	9	0	
18	8	29.612	0.3	------	−10.1	WSW	6	0	------	0	9	------	
18	14	29.464	5.0	------	------	SW	11	0	------	0	8	------	
18	20	29.395	−2.5	------	−4.0	S	6	0	------	0	9	0	
19	8	29.383	−5.0	------	−14.2	ESE	11	0	------	0	9	------	
19	14	29.356	8.3	------	------	SSW	6	0	------	0	9	------	
19	20	29.276	−1.5	------	−5.0	SW	7	Few	Ci SW	0	9	0	Day cloudless until 17:30h when a few patches of low Ci moved in from SW.
20	8	29.246	−5.0	------	−10.9	WSW	9	0	------	0	9	------	
20	14	29.243	9.8	------	------		0	Few	CiSt (WSW?)	0	9	------	
20	20	29.288	5.4	------	−5.0	ENE	3	5	St NW	0	9	T	The first low clouds for 6 days came over at 15:30h
21	8	29.465	−8.0	------	−8.0	WSW	9	2	StCu NW	0	9	------	Lt. snow until 7h.
21	14	29.548	−0.6	------	------	SW	12	8	StCu NW	0	6	------	StCu alternately building up and dissipating.
21	20	29.622	−2.1	------	−8.4	W	11	9	StCu NW	0	6	.2	
22	8	29.842	3.3	------	−5.6	W	5	2	1 Ci WNW, 1 St W	0	9	------	
22	14	29.862	11.4	------	------	ENE	8	8	7 CiSt W, 1 ACu WNW.	0	8	------	
22	20	29.850	11.2	------	3.1	SE	12	10	5 ASt WNW, 5 St	0	3	T	Lt. snow from 19h to 1h. Bright 22° solar halo with parhelia and circumzenithal arc from 16 to 20h.
23	8	29.938	6.7	------	3.9	SW	4	1	Few Ci (W?), 1Cu WSW.	0	9	------	
23	14	30.025	18.9	------	------		0	Few	ACu WSW	0	9	------	
23	20	30.072	1.8	------	1.8	E	6	1	Few Ci (W?), 1 ACu W.	0	8	T	Fog formed rapidly after 21h.
24	8:20	30.052	6.3	------	−6.8	E	19	10	St (N?)	0	5	------	
24	14	30.035	11.2	------	------	E	14	9	6 StCu WNW, 3 St. N.	0	6	------	Occasional lt. snow.
24	20	30.049	10.8	------	6.3	E	9	9	StCu NW	0	6	T	
25	8	29.991	15.9	------	4.0		0	10	Dn. fog	0	0	------	Lt. to dn. fog from 5h to 10h.
25	14	29.876	20.0	------	------	WNW	16	1	St Cu W, Few St	Lt.	8	------	Lt. snow from 10 to 12h.
25	20	29.797	6.8	------	6.8	SW	12	10	St Cu	0	7	.1	Occasional lt. snow.
26	8	29.557	6.3	------	3.0	SW	9	10	St	0	5	------	Few flakes of snow falling.
26	14	29.461	6.6	------	------	SSW	15	8	StCu SE	0	8	------	
26	20	29.430	5.0	------	4.3	S	11	8	ASt SSE	0	9	T	Clearing in S and SW at 17h followed by steady drop in temperature.
27	8	29.360	4.3	------	−6.2	E	11	9	6 ACu W, 3 StCu (NE?).	0	6	------	
27	14	29.345	2.0	------	------	E	18	8	5 ASt W, 3 StCu NE.	0	5	------	
27	20	29.328	5.4	------	1.8	ESE	13	4	ACu SW	0	9	0	
28	8	29.455	9.3	------	1.8	ESE	14	3	ACu ENE	0	9	------	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Nov. 28	14	29.501	13.7	------	------	ESE	12	8	StCu ESE	0	9	------	
28	20	29.544	9.2	------	7.9	ESE	16	7	StCu E	Lt.	9	0	Occasional vy. lt. drift. Took off for flight over South Pole at 15:29h.
29	8	29.474	13.3	------	−0.1		0	Few	StCu (0?)	0	9	------	
29	14	29.402	15.3	------	------	NE	7	7	StCu W	0	9	------	Returned from flight over South Pole at 10:09h.
29	20	29.341	14.4	------	12.7	NE	12	9	StCu N	0	6	T	Occasional lt. snow from 18 to 21h.
30	8	29.419	10.7	------	5.3	ESE	18	2	Few CiSt, 2 StCu ENE.	Lt.	7	------	
30	14	29.402	15.8	------	------	ESE	16	2	CiSt	0	9	------	
30[10]	20	29.402	10.8	------	10.0	SE	12	7	CiSt NE	0	9	0	
Dec. 1	8	29.425	7.0	------	2.9	SSW	12	Few	Ci	0	9	------	
1	14	29.437	14.8	------	------	SSW	6	Few	Ci	0	9	------	Considerable thawing now in the vicinity of dark objects and wherever the snow is dirty.
1	20	29.431	12.8	------	7.0		0	Few	Ci, StCu	0	9	0	No open water or sea smoke visible from barrier.
2	8	29.357	4.8	------	−1.2	SSW	5	0	------	0	9	------	An overcast of StCu (SE) in the early morning; clearing from S. at 5:30h.
2	14	29.275	13.8	------	------	SW	5	Few	CiSt	0	9	------	
2	20	29.224	5.6	------	4.8	ENE	3	Few	Ci	0	9	0	
3	8	29.244	1.8	------	−1.4	S	7	2	1 Ci NNE, 1 ACu NNE.	0	9	------	
3	14	29.297	10.3	------	------	SSW	7	8	Ci St NNE	0	8	------	Faint 22° halo at 12h.
3	20	29.356	10.3	------	1.5	SSW	7	10	7 CiSt NNE, 3 ASt NNE.	0	7	0	
4	8	29.536	18.3	------	7.9	ESE	14	3	Ci ENE	0	8	------	
4	14	29.629	26.2	------	------	SSW	4	5	Ci ENE	0	9	------	Barrier surface has softened considerably in last few days.
4	20	29.695	18.7	------	18.3	SW	5	1	1 Ci (NE?), Few ACu NE	0	9	T	
5	8	29.789	14.8	------	9.5	SW	7	Few	ASt NNE	0	9	------	
5	14	29.794	20.5	------	------	SW	9	3	1 CiCu NNE, 2 ACu NNE.	0	9	------	
5	20	29.776	19.5	------	14.7	SW	3	4	2 ACu NW, 2 St W	0	8	0	
6	8	29.699	14.9	------	10.8	SW	4	1	Few ASt NNW, 1 StCu WSW.	0	9	------	
6	14	29.657	22.0	------	------	SW	5	2	StCu W	0	9	------	
6	20	29.633	18.5	------	14.9	E	3	2	StCu (W?)	0	9	0	
7	8	29.645	12.0	------	6.3	WSW	6	1	A StW	0	9	------	
7	15	29.623	18.0	------	------	SW	9	2	Ci WSW	0	7	------	Scattered Ci moving rapidly from WSW.
7	20	29.609	17.0	------	11.8	WSW	3	Few	Ci W	0	8	0	
8	8	29.445	13.8	------	3.6	E	8	8	7 CiSt W, 1 St W	0	7	------	Lt. fog from 2h to 4h caused rime formation on windward side of exposed objects.
8	14	29.408	19.2	------	------	E	8	9	4 ACu W, 5 Cu	0	6	------	
8	20	29.422	6.7	------	6.7	SW	7	1	St SW	0	9	0	
9	8	29.544	13.5	------	2.5		0	10	Dn. fog	0	0	------	Dn. fog from 7h to 11h. Sun dimly visible through fog.
9	14	29.609	17.4	------	------	W	5	Few	ASt WSW	0	8	------	
9	20	29.650	10.6	------	10.5	SW	4	Few	ASt WSW, St SW	0	9	0	Lt. to dn. fog from 22h to 1h.
10	8	29.656	13.8	------	2.8	ESE	12	9	St E	0	6	------	
10	14	29.623	15.8	------	------	ESE	17	6	4 CiSt (NW?), 2 ACu NW, Few St ESE.	Lt.	7	------	
10	20	29.619	15.5	------	13.8	SE	19	7	Few CiSt, 7 StCu E	0	7	0	
11	8	29.761	16.0	------	14.8	S	12	1	StCu SE	0	9	------	
11	14	29.814	17.7	------	------	SW	12	6	ACu S	0	9	------	
11	20	29.848	16.9	------	15.0	WSW	9	7	ACu S	0	9	0	
12	8	29.886	17.2	------	7.5	SW	4	Few	ASt SW	0	9	------	
12	14	29.852	28.1	------	------	SW	3	4	StCu SW	0	9	------	
12	20	29.798	23.3	------	16.4	N	4	9	9 StCu W, Few St. W.	0	6	0	
13	8	29.722	21.0	------	18.5	SW	7	10	St	0	4	------	Lt. to dn. fog from 4:30h to 9h.

[10] Total snowfall for month, 2.9 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Dec. 13	14:30	29.757	20.5	------	------	SE	12	8	St Cu	0	7	------	Lt. snow 9h to 13h.
13	20	29.757	22.0	------	19.6	SSW	4	10	St SSW	0	5	.1	
14	8	29.801	18.0	------	13.4	SSW	2	10	St	0	5	------	Lt. snow from 5h to 9h. Lt. fog from 22:30h to 6:15h.
14	14	29.798	13.8	------	------	SSW	7	9	St	0	6	------	
14	20:20	29.778	12.3	------	11.0	SSW	10	8	StCu SW	0	7	T	
15	8	29.771	17.0	------	5.4	NE	10	10	St W	0	6	------	Lt. snow from 8h to 11h.
15	12	29.756	23.0	------	------	WNW	8	10	St NNW	0	6	------	
15	20	29.781	23.0	------	17.0		0	Few	St W	0	9	.2	
16	8	29.808	19.2	------	15.1	E	12	8	StCu SW	0	5	------	Few flakes of snow at intervals during morning.
16	14	29.775	23.0	------	------	E	12	10	St SW	0	6	------	
16	20	29.751	20.0	------	18.8	SSE	10	10	St (SW?)	0	4	T	Lt. fog from 19h to 22h.
17	8	29.676	18.8	------	14.5	S	5	9	ACu NE	0	6	------	
17	14	29.648	18.8	------	------	ESE	15	9	ACu NE	Lt.	6	------	
17	20	29.660	16.9	------	16.5	ESE	15	9	Few ACu NE, 9 St ESE.	0	6	0	Lt. mist B. 23:15h.
18	8	29.723	21.2	------	16.7	ESE	7	10	St	0	5	------	Lt. to hvy. mist ended 4:30h.
18	14	29.743	24.9	------	------	SE	9	10	St	0	4	------	Misting since 11:50h. Lt. fog since 12h. Freezing mist formed a thin film of ice glaze on the windward side of exposed objects.
18	20	29.770	25.8	------	20.8	E	6	10	St	0	4	0	Lt. mist and lt. fog ended 21h.
19	8	29.835	25.2	------	22.8	E	9	10	St E	0	5	------	
19	14:25	29.837	27.8	------	------	ESE	12	7	3 Ci, 4 StCu ENE	0	8	------	
19	20	29.822	23.8	------	23.8	ESE	13	Few	Ci (NE?), ACu E	0	9	0	
20	8	29.726	24.5	------	18.8	SE	19	4	2 CiSt E, 2 ASt ENE	Lt.	9	------	
20	14	29.634	25.8	------	------	ESE	26	8	5 ASt ENE, 3 StCu	Lt.	6	------	
20	20	29.604	24.2	------	23.7	E	17	9	ASt ESE	Lt.	7	0	
21	8	29.619	26.8	------	21.0	E	15	8	5 ASt NE, 3 StCu NE.	0	7	------	
21	14	29.653	30.8	------	------	ENE	16	9	StCu NE	0	6	------	
21	20	29.713	28.2	------	25.6	NE	17	10	StCu NE	0	6	.1	Lt. snow since 15:15h. Hvy. snow squalls to NW and N.
22	8	29.818	27.0	------	24.1	ENE	15	10	6 CiSt, 4 StCu	0	6	------	
22	14	29.797	30.2	------	------	E	15	10	St NE	0	5	------	Lt. snow since 13h.
22	20	29.754	27.0	------	27.0	ESE	14	10	9 StCu NE, 1 St NE	0	5	.5	Lt. snow continues.
23	8	29.640	29.5	------	26.3	E	18	10	St	Lt.	4	------	Occasional lt. snow.
23	14	29.581	30.0	------	------	E	16	10	St	Lt.	5	------	Lt. snow. The snowflakes are large.
23	20	29.569	28.8	------	28.8	ENE	12	10	St (NE?)	0	4	.2	Lt. snow. Lt. fog from 16h to 23h.
24	8	29.531	29.7	------	28.0	NNE	12	9	StCu N	0	5	------	Lt. snow ended 3h.
24	14	29.541	30.7	------	------	N	12	9	StCu N	0	6	------	
24	20	29.529	28.4	------	27.7	NNE	10	10	3 StCu NNW, 7 St NNW.	0	5	.3	Lt. snow. A hvy. fall of graupel from 19h to 19:45h.
25	8	29.443	30.0	------	27.0	NNE	9	10	7 StCu, 3 St	0	5	------	Lt. snow until 10:45h.
25	14	29.403	29.2	------	------	NNE	11	10	8 StCu, 2 St	0	6	------	
25	20	29.335	28.3	------	28.0	N	12	9	4 StCu (NW?), 5 StCu NNW.	0	6	.8	Lt. snow since 17:30h.
26	8	29.316	30.2	------	27.2	N	16	10	9 StCu NNW, 1 St (N?).	0	6	------	Lt. snow ended 7h.
26	14	29.333	30.8	------	------	NNW	10	9	8 ACu NNW, 1 Cu NNW.	0	7	------	
26	20	29.371	25.0	------	25.0	W	9	9	StCu WNW	0	7	.1	
27	8	29.505	18.3	------	14.8	NW	7	Few	ASt WSW	0	9	------	
27	14	29.552	25.4	------	------	E	5	7	St NNW	0	7	------	
28	20	29.562	26.5	------	18.3		0	Few	ASt, StCu	0	9	0	
28	8	29.574	32.5	------	15.9		0	5	StCu WSW	0	9	------	
28	14	29.567	25.7	------	------	NE	7	9	StCu (0)	0	6	------	
28	20	29.569	23.2	------	23.2	ENE	8	9	9 ACu (0?), Few St ENE.	0	6	T	
29	8	29.563	29.0	------	20.5	ENE	2	8	5 ACu WSW, 3 StCu	0	9	------	
29	14	29.522	31.8	------	------	E	5	7	StCu	0	8	------	
29	20	29.483	19.0	------	19.0	SE	9	5	1 CiSt (NW?), 4 St Cu SW.	0	9	0	
30	8	29.429	26.5	------	13.8	ESE	9	5	ACu WSW	0	7	------	
30	14	29.411	26.7	------	------	SE	8	5	ACu NW	0	9	------	
30	20	29.379	15.9	------	15.9	SSE	9	5	3 Ci NNW, 2 ACu NNW.	0	9	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Dec. 31	8	29.346	21.0	------	12.2	S	10	8	4 ASt NW, 4 ACu NW.	0	8	------	
31	14	29.318	24.2	------	------	SSE	9	7	5 Ci N, 2 ACu NNW.	0	7	------	
31[11]	20	29.347	22.2	------	20.0	SSE	8	8	2 Ci N, 5 ACu NNW, 1 StCu SSE.	0	6	T	Vy. lt. snow from 19:15h to 20:30h.
1930													
Jan. 1	8	29.392	24.5	------	16.4	WSW	4	10	ASt	0	6	------	
1	14	29.416	28.3	------	------	WSW	5	9	ASt (SSW?)	0	6	------	
1	20	29.441	31.7	------	24.5	WSW	3	6	5 ACu (WNW?), 1 StCu NW.	0	6	T	
2	8	29.450	27.0	------	16.1	NNE	10	10	St	0	6	------	
2	14	29.406	30.2	------	------	NNE	14	10	St N	0	4	------	Vy. lt. snow since 11h.
2	20	29.373	29.8	------	27.0	N	11	10	St NNW	0	5	.5	Continued lt. snow until 23:15h.
3	8	29.380	23.0	------	14.3	E	4	10	StCu N	0	6	------	Dn. fog from 2h to 6:30h.
3	14	29.336	29.8	------	------	NNE	8	9	6 StCu (NNW?), 1 Cu N, 2 St N.	0	6	------	Hard snow squall from 12:40h to 13:45h.
3	20	29.329	27.1	------	23.0	N	8	9	Few Ci, 9 St N	0	6	.3	Vy. lt. snow. Hvy. St and StCu throughout the day with broken CiSt occasionally visible through breaks in lower clouds.
4	8	29.253	25.7	------	22.1	ENE	14	10	St (ENE?)	0	5	------	Lt. snow.
4	14	29.199	27.7	------	------	ENE	18	10	St ENE	Lt.	4	------	Do.
4	20	29.188	25.0	------	24.7	E	17	10	St ENE	Lt.	6	1.0	Lt. snow ended 19:30h. Whalers report a southerly gale and clear sky in the ice pack 600 miles to N.
5	8	29.195	23.8	------	21.5	ESE	16	10	St ENE	Lt.	5	------	
5	14	29.166	25.3	------	------	ESE	16	10	St ENE	Lt.	5	------	
5	20	29.101	24.4	------	23.3	ESE	18	9	Few CiSt, 9 ASt NE.	Lt.	6	T	Lt. snow from 15h to 19h. Faint 22° solar halo visible at intervals during evening. Whalers again report southerly gale near and to S of ice pack.
6	8	29.004	27.5	------	23.0	ESE	19	10	9 CiSt, NNE, 1 St Cu ENE.	Lt.	5	------	
6	14	28.952	27.8	------	------	ESE	21	10	ASt NE	Lt.	6	------	22° solar halo from 9h to 9:45h.
6	20	28.935	28.4	------	26.8	ESE	12	9	ASt NE	0	7	0	
7	8	28.961	26.8	------	22.6	ESE	16	6	StCu NE	Lt.	8	------	
7	14	28.957	29.5	------	------	ESE	18	9	3 ASt NE, 6 StCu ENE.	Lt.	7	------	
7	20	28.939	29.6	------	25.8	E	18	9	7 ASt (NW?), 2St Cu ENE.	Lt.	6	0	ASt and StCu thickened in the evening.
8	8	29.177	30.2	------	28.8	ENE	10	9	StCu NNE	0	5	------	
8	14	29.226	33.0	------	------	E	11	10	8 StCu NE, 2 St NE.	0	5	------	Open water in bay to within ¼ mile of the Barrier cache.
8	20	29.230	31.0	------	30.2	SE	12	10	6 StCu E, 4 St E	0	5	T	Occasional lt. snow from 14h to 17h.
9	8	29.211	31.6	------	29.3	E	9	9	StCu ESE	0	5	------	
9	14	29.201	30.3	------	------	NNE	6	10	9 StCu E, 1 St E	0	5	------	
9	20	29.199	28.6	------	28.6	NE	9	10	8 StCu E, 2 St NE	0	5	0	StCu gave way to a solid sheet of low St in the evening.
10	8	29.171	30.2	------	25.7	NNE	8	10	7 StCu N, 3 St NNE	0	6	------	
10	14	29.187	30.3	------	------	N	10	9	StCu N	0	6	------	Lt. snow squall from 9:30h to 9:45h.
10	20	29.192	27.7	------	27.1	NE	7	9	8 StCu N, 1 St N	0	6	T	
11	8	29.270	29.0	------	27.4	NE	9	10	9 StCu N, 1 St NNE.	0	5	------	
11	14	29.315	30.9	------	------	NE	5	10	9 StCu N, 1 St NNE.	0	5	------	
11	20	29.334	26.9	------	------	E	9	9	9 StCu (N?), Few St (NNE?).	0	6	T	Lt. snow from 16h to 17h.
12	8	29.364	27.0	------	24.0	ENE	11	10	8 StCu N, 2 St N	0	5	------	
12	14	29.357	30.6	------	------	NNW	7	7	2 ACu N, 3 StCu N, 2 Cu N.	0	5	------	
12	20	29.339	28.8	------	27.0	NNW	5	10	8 StCu NNW, 2 St NNW.	0	5	T	

[11] Total snowfall for month, 2.3 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures: Dry	Air temperatures: Max.	Air temperatures: Min.	Wind	Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
1930	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Jan. 13	8	29.295	26.9	------	22.3	WSW 7	10	7 StCu (WNW?), 3 St W.	0	5	------	
13	14	29.251	27.6	------	------	W 9	1	StCu WSW	0	9	------	
13	20	29.243	27.0	------	22.2	W 3	6	StCu WNW	0	7	T	
14	8	29.233	22.8	------	16.1	E 9	10	StCu W	0	5	------	Snow flurries from 2:30h to 6:30h.
14	14	29.245	25.0	------	------	NE 12	10	StCu W	0	5	------	Snowing.
14	20	29.238	24.0	------	22.8	NNE 5	10	St	0	5	T	Lt. snow.
15	8	29.298	24.0	------	21.3	E 10	9	StCu NNW	0	6	------	Lt. snow flurries ended 6h.
15	14	29.309	24.9	------	------	E 10	10	St NNW	0	5	------	Lt. snow from 13:30h to 15:15h.
15	20	29.334	24.2	------	24.0	E 3	2	2 ACu NW, Few StCu NNW.	0	9	.3	Sudden clearing at 18:15. Fog formed on bay at 24h.
16	8	29.329	20.8	------	16.8	E 10	5	StCu WNW	0	6	------	
16	14	29.297	23.1	------	------	E 12	9	StCu NNW	0	7	------	
16	20	29.314	22.2	------	20.8	E 9	9	6 StCu NW, 3 St	0	7	.2	Lt. snow from 19:20h to 21:30h.
17	8	29.280	22.9	------	18.5	E 9	9	St (ENE?)	0	6	------	
17	14	29.244	23.3	------	------	E 9	3	StCu W	0	9	------	Rapid clearing of St at 8:15h.
17	20	29.237	20.8	------	19.8	E 9	5	StCu ENE	0	9	T	
18	8	29.257	19.8	------	15.9	E 7	10	StCu SSE	0	6	------	
18	15	29.288	20.2	------	------	E 11	8	3 CiSt, 5 StCu NE, Few Cu.	0	6	------	A sheet of CiSt visible at times through the lower clouds.
18	20	29.316	18.4	------	18.4	E 9	9	StCu (E?)	0	6	0	Parhelion at 21:30h.
19	8	29.407	21.7	------	13.0	SSW 6	9	Few ASt, 9 St	0	6	------	
19	14	------	------	------	------	WSW 9	10	St (WSW?)	0	6	------	
19	20	29.466	14.0	------	13.3	WSW 9	10	St (WSW?)	0	6	T	Lt. snow from 17:30h to 23:30h.
20	8	29.582	14.0	------	9.4	WSW 9	1	StCu SSW	0	9	------	
20	14	29.640	19.1	------	------	SW 9	8	StCu SW	0	7	------	Patches of thin StCu moving in rapidly from SW.
20	20	29.679	14.8	------	13.7	SW 7	3	StCu SW	0	9	T	Plane flight to Discovery Inlet reports a bank of clouds covering the sea and also extending west at 13h.
21	8	29.739	15.3	------	8.1	E 5	4	4 Ci WSW, Few StCu SW.	0	9	------	
21	14	29.734	18.7	------	------	ESE 10	2	1 Ci WSW, 1 ACu SW.	0	9	------	
21	20	29.693	13.8	------	12.8	SE 11	Few	Ci WSW, ACu SW	0	9	0	Plane reports "heavy clouds" over sea and to W of Discovery Inlet; cloudless in interior.
22	8	29.498	18.3	------	8.1	SE 12	0	------	0	9	------	
22	14	29.404	20.9	------	------	SE 16	Few	Ci SW	0	9	------	
22	20	29.339	16.2	------	15.6	SE 12	7	4 Ci W, 3 CiSt W	0	7	0	The Ci practically gone by 22h.
23	8	29.242	13.4	------	8.9	ESE 11	1	Ci (W?)	0	8	------	
23	14	29.180	13.9	------	------	ESE 10	Few	Ci (SW?)	0	9	------	
23	20	------	11.0	------	9.0	S 2	Few	StCu S	0	9	0	Layer of StCu moving in from S after 21:45h.
24	8	29.086	12.4	------	4.9	SSW 13	9	StCu SSW	0	6	------	
24	14	29.082	12.3	------	------	SW 13	8	StCu SSW	0	7	------	
24	20	29.075	8.6	------	7.7	SSE 9	Few	StCu	0	9	0	Clearing slowly from S during afternoon.
25	8	29.136	10.3	------	−0.4	0	Few	ASt, StCu	0	9	------	
25	14	29.132	8.3	------	------	WSW 7	Few	StCu WSW	0	9	------	
25	20	29.144	3.9	------	3.9	SW 8	Few	StCu	0	9	0	
26	8	29.163	8.6	------	−5.9	S 2	9	St S	0	6	------	Thin layer of St formed at 2:30h attended by lt. fog which became dn. at 6:30h. Fog lifted at 7:40h, hvy. St persisted until 9:30h.
26	14	29.166	11.2	------	------	S 7	8	StCu S	0	7	------	
26	20	29.198	7.0	------	7.0	SSW 8	Few	Ci, StCu SE	0	9	0	Clear at 16h. The bay ice along the east barrier is completely broken up into large floes.
27	8	29.311	0.2	------	−6.0	SSW 6	1	Ci S	0	9	------	
27	14	29.341	12.3	------	------	SSW 2	Few	Ci	0	9	------	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0–10*	*From*		*0–9*	*Inches*	
Jan. 27	20	29.365	4.9	------	0.2	E	8	3	StCu WNW	0	9	0	Isolated patches of StCu from NW at 18h began to build up in NW and N; the cloud layer moved steadily overhead and nearly covered the sky by midnight.
28	8	29.209	14.2	------	1.8	ESE	24	10	St	Mod.	3	------	Lt. to mod. snow since 0h.
28	14	29.153	16.5	------	------	ESE	21	10	St	Mod.	2	------	Lt. snow.
28	20	29.100	17.0	------	14.2	ESE	19	10	St	Lt.	3	2.5	Lt. snow until 21h. Whalers at 67°5′ S report dn. fog.
29	8	28.951	13.7	------	11.9	SSW	9	5	3 Ci NNW, 2 ACu SSE.	0	9	------	Lt. snow from 24:30h to 1:30h.
29	14	28.892	16.7	------	------	SW	10	4	1 Ci NNW, 3 StCu SSE.	0	9	------	
29	20	28.906	8.0	------	7.2	SSW	15	5	StCu S	Lt.	7	T	
30	8	29.020	−2.3	------	−5.0	SW	9	4	Few ASt SW, 4 St SW.	0	6	------	Shower of ice crystals produced bright parhelia and portion of 22° halo from 3:30h to 5h.
30	14:30	29.082	10.2	------	------	W	10	3	2 ACu WSW, 1 ASt WSW.	0	7	------	
30	20	29.128	8.0	------	−2.3	W	5	2	1 ACu WSW, 1 ASt WSW Few Cu (W?).	0	9	0	
31	8	29.200	12.1	------	−2.6	W	2	3	StCu W	0	9	------	Hvy. snow flurry from 3h to 3:20h with some graupel.
31	14	29.194	14.2	------	------	E	6	8	StCu NE	0	7	------	ACu and ASt moved in from NE at 15:30h.
31[12]	20	29.113	18.7	------	7.2	SE	21	10	St	Lt.	2	2.2	Hvy. steady snow from 16:50h to 22:30h. Lt. drift from 16:30h to 21h.
Feb. 1	8	29.150	7.7	------	5.3	SSW	7	8	7 StCu WSW, 1 St	0	7	------	Sound of surf against barrier and edge of bay ice, 3 miles to the NNW, audible all day. Lt. snow since 10:30h.
1	14	29.141	8.3	------	------	SSW	14	9	St	0	5	------	
1	20	29.141	2.5	------	2.5	SSW	18	9	St	Lt.	5	.5	Lt. snow until 23h. The lower clouds broke away at 24h showing a brilliant halo and parhelia produced by a hvy. shower of ice crystals.
2	8	29.171	4.5	------	−0.3	W	12	3	St WSW	0	9	------	Halo remained brilliant until 4h.
2	14	29.166	7.0	------	------	W	10	7	StCu W	0	7	------	StCu moved in from W at 12h.
2	20	29.149	8.8	------	3.8	W	11	10	St W	0	5	T	Lt. snow from 17h to 18:30h.
3	8	29.083	11.0	------	3.0	WNW	7	3	St WNW	0	7	------	Lt. fog from 8:30h to 9:15h.
3	14	29.080	16.0	------	------	W	7	10	St	0	5	------	Lt. snow since 11:30h.
3	20	29.099	7.0	------	7.0	E	6	9	5 StCu WNW, 4 St WNW.	0	6	T	Lt. snow until 23:15h.
4	8	29.135	14.0	------	6.7	E	13	10	St NNW	0	5	------	Snowing from 4:30h to 8:30h.
4	14	29.197	20.0	------	------	WSW	2	2	Few Ci NW, 2 ACu NW. Few StCu WNW.	0	8	------	Hvy. snow flurry from 10:15h to 10:45h.
4	20	29.220	10.3	------	6.7	ENE	9	9	7 CiSt NW, 2 StCu WNW.	0	7	2.0	Snow flurries from 17:45h to 23h.
5	8	29.193	12.4	------	7.0	ESE	15	9	8 CiSt WNW, 1StCu.	0	7	------	Occasional snow D. A.
5	14	29.155	17.7	------	------	E	16	6	3 Ci, 3 StCu NE	Lt.	7	------	22° parhelia, partial 46° halo and circumzenithal arc and portion of parhelic circle at 13:55h. Hvy. shower of ice crystals.
5	20	29.132	12.0	------	7.3	ESE	15	1	StCu ENE	0	9	.7	
6	8	29.142	9.0	------	------	ESE	11	1	1 ACu ESE, Few StCu SE.	0	9	------	
6	14	29.130	10.0	------	------	S	2	1	ASt ESE	0	9	------	
6	20	29.062	2.8	------	2.8		0	Few	ACu SE	0	9	0	
7	8	28.917	1.5	------	−14.0	SSW	22	5	ACu	Lt.	5	------	
7	14	28.746	2.3	------	------	SW	20	10	St	Lt.	5	------	
7	20	28.684	1.7	------	1.0	SW	12	10	ASt	0	6	0	

[12] Total snowfall for month, 6.5 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures: Dry	Air temperatures: Max.	Air temperatures: Min.	Wind		Cloudiness	Clouds	Drift	Visibility	Total snowfall 0h to 24h	Remarks
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
Feb. 8	8	28.873	3.8	------	1.0	ENE	6	8	StCu WNW	0	7	------	
8	14	29.033	11.7	------	------	ESE	15	9	StCu WNW	0	5	------	
8	20	29.155	6.3	------	3.0	E	18	9	ACu WNW	Lt.	6	0	
9	8	29.238	11.4	------	−3.8	ESE	16	Few	ACu ESE	0	9	------	
9	14	------	10.0	------	------	ESE	11	Few	------	0	----	------	Most of the meteorological instruments dismantled and packed.
9	20	------	9.3	------	3.0	NE	11	Few	ACu	0	9	0	
10	8	------	−1.0	------	−8.8	SE	------	6	ACu SE	------	----	------	Fog over bay.
10	20	29.145	−1.3	------	−1.3	SW	10	Few	St	------	----	------	Shower of ice crystals; brilliant 22° parhelia.
11	8	29.286	−4.8	------	−9.3	S	5	Few	St	------	----	------	Hvy. bank of fog visible over sea most of day.
11	20	29.276	−8.3	------	−8.3	SE	8	Few	St	------	----	------	
12	8	29.255	4.2	------	−10.6	ESE	16	10	StCu	Lt.	----	------	Few flakes of snow falling.
12	10	29.195	------	------	------	ESE	16	7	StCu ENE	Lt.	----	------	
13	8	29.145	13.3	------	------	E	21	9	ACu	Lt.	----	------	
13	20	29.185	10.3	------	10.3	E	16	10	ASt (?)	Lt.	----	------	
14	8	29.295	13.3	------	6.7	E	14	10	ASt (?)	------	----	------	
14	20	29.325	12.8	------	12.8		0	10	ASt (?)	------	----	------	A large section of the bay ice went out today.
15	8	29.375	14.2	------	9.8	E	9	10	ASt (?)	0	----	------	
15	20	29.375	5.0	------	5.0	E	21	10	St (N?)	Lt.	----	------	Lt. snow since 15h.
16	8	29.355	11.0	------	1.5	E	20	10	St (?)	Lt.	----	------	
16	20	29.315	8.5	------	8.5	E	10	9	8 ACu, 1 St	------	----	------	
17	8	29.285	10.8	------	2.7	ESE	18	8	StCu SE	------	----	------	
17[13]	20	29.246	−3.7	------	−3.7	ESE	12	2	2 ASt N, Few StCu	------	----	------	Last observation at Little America.

Day	Hour	Pressure, sea level	Air temperatures: Dry	Air temperatures: Max.	Air temperatures: Min.	Wind		Cloudiness	Clouds	Drift	Remarks
1934	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		
Feb. 9	20	------	2.0	------	2.0	SE	7	0	------	0	Day: Clear.
10	8	------	8.0	------	−7.8		0	Few	ACu SE	0	
10	14	------	9.2	------	------	------	------	6	ACu SSE	0	Cloudiness increased rapidly about 9h.
10	20	------	4.0	------	4.0	SW	3	4	ACu SE	0	Day: Pt. cldy.
11	8	------	4.3	------	−3.0	S	9	0	------	0	
11	14	------	11.0	------	------	------	------	1	Ci	0	
11	20	------	5.5	------	3.0	SE		8	CiSt	0	Day: Pt. cldy.
12	8	29.643	13.0	------	1.7	SE	17	3	1 CiSt NW, 2 ASt NW.	0	
12	14	------	------	------	------	SE	26	8	CiSt NW	Mod.	
12	20	29.550	5.1	------	5.1	SE	18	2	CiSt NW	0	Day: Pt. cldy.
13	8	29.537	0.2	------	−7.8	SW	6	3	1 Cu NW, 2 ACu NW.	0	
13	14	------	10.0	------	0.2	SW	6	6	4 CiSt NW, 2 ACu NW.	0	22° halo.
13	20	29.501	12.0	------	0.2	SE	20	6	6 ACu N	Lt.	Lt. drift in the evening and continuing after 24h. Day: Pt. cldy.
14	8	29.454	11.2	------	8.0	SE	26	9	CiSt NW	Mod.	22° halo.
14	14	------	15.0	------	------	SE	12	9	ASt NW	0	
15	20	29.373	8.0	------	8.0	E	6	10	ASt NW	0	Day: Cldy.
15	8	29.298	6.0	------	−2.5	SW	3	9	StCu S	0	
15	14	------	------	------	------	S	10	10	St S	0	Graupel at 9:50h. Lt. to hvy. snow, large flakes, from 10:15 to 14:30h.
15	20	29.243	−7.2	------	−7.2	W	13	1	StCu W	0	Cloudiness decreased rapidly at 16h. Shower of ice crystals, parhelia of 22° halo and partial 46° halo at 21h. Day: Pt. cldy.
16	8	29.200	−8.8	−8.0	−17.0	W	20	1	ASt	Lt.	
16	14	------	−1.7	------	------	W	13	0	------	0	
17	20	29.230	−9.2	−1.7	−9.2	W	9	Few	ASt	0	Day: Clear.
17	8	29.225	−1.3	−1.3	−20.2	W	3	10	ASt NW	0	
17	14	------	4.2	------	------	E	15	10	ASt NW	0	
18	20	29.222	0.8	5.8	−1.3	E	16	10	ASt NW	0	Day: Cldy.
18	8	29.204	8.8	8.8	.6	S	16	10	StCu S	0	Cloudiness diminished at 9 h.
18	14	29.243	5.5	------	------	SW	22	4	2 Ci NE, 2 CiSt NE	Lt.	
19	20	29.350	−1.0	8.8	−1.5	S	16	5	2 Ci NE, 3 CiSt NE	0	Day: Pt. cldy.
19	8	29.498	−1.0	0.0	−7.8	S	10	5	3 Ci NW, 2 CiSt NW	0	22° halo.
	14	------	3.3	------	------	SE	26	7	3 CiSt NW, 4 CiCu NW.	Mod.	

[13] Total snowfall, 3.2 inches.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0–10*	*From*		
Feb. 19	20	29.390	9.2	9.2	−1.0	SE	27	10	ASt (NW?)	Mod.	Mod. drift during afternoon and evening. Day: Pt. cldy.
20	8	29.273	10.2	11.5	8.2	SE	25	5	2 Ci NW, 3 CiSt NW.	Mod.	Lt. to mod. drift continued all last night.
20	14	29.223	10.3			SE	26	10	ASt NNE	Mod.	
20	20	29.198	7.0	11.0	7.0	SE	22	6	ACu SE	Lt.	Day: Pt. cldy.
21	8	29.185	8.2	8.2	1.0	SE	22	3	Ci	Lt.	
21	20	29.083	6.0	10.7	6.0	SE	24	Few	Ci SSE	Lt.	Day: Clear.
22	7:30	29.055	−0.4	6.0	−3.2	SE	8	1	Few CiSSE, Few CiCu SSE, 1 ASt SSE.	0	
22	14	28.998	2.8			SW	5	0		0	
22	20	29.001	−7.4	3.7	−7.4	S	3	0		0	A fine day with little wind. Day: Clear.
23	7:45	29.188	−12.8	−7.4	−20.9	S	4	Few	Ci N	0	
23	14	29.302	−2.5			SW	3	Few	Ci N, CiSt N	0	
23	20	29.402	−14.4	.5	−14.4	SW	5	Few	Ci N	0	Day: Clear.
24	8	29.567	−18.6	−14.4	−24.7	SW	5	2	Ci NW	0	
24	14	29.585	−13.9			SW	7	5	1 CiSt NW, 4 Ci NW	0	22° solar halo from 10h to 13h.
24	20	29.567	−19.0	−13.5	−19.7	SW	8	1	Ci NW	0	Heavy sea smoke observed over the water. Day: Clear.
25	8	29.470	−23.8	−19.0	−28.5	SW	4	10	ASt S	0	
25	14	29.417	−13.1			SW	7	9	StCu SSW	0	
25	20	29.358	−10.9	−10.6	−23.8	S	2	10	Dn. fog	0	Heavy sea smoke continued throughout the day. Lt. fog B. 17:30h. Dn. fog E. D. P. A lt. deposit of rime was observed on the windward side of exposed objects. Day: Cldy.
26	8	29.326	−8.0	−8.0	−18.0	S	11	8	1 ACu SE, 7 ASt SE	0	
26	14	29.277	1.3			E	16	10	St. E	0	Snowing; moist snow since 13:50h
26	20	29.309	0.6	1.3	−8.0	E	17	10	St NE	0	Snowing at intervals throughout the night. Total fall about 1 inch. Day: Cldy.
27	8	29.356	4.8		0.8	E	16	10	St	Lt.	
27	14	29.314	7.1			E	18	10	6 ASt SW, 4 ACu SW	Lt.	
27	20	29.277	6.8	7.1	4.2	E	20	10	ASt SW	Lt.	Day: Cloudy.
28	8	29.146	6.2	7.8	1.2	E	16	4	1 CiCu W, 3 Ci W	0	
28	14	29.071	3.1			E	24	7	3 Ci W, 4 CiSt W	Lt.	
28	20	29.036	−2.9	9.0	−2.9	SE	8	7	Ci NW	0	Solar halo from 14h to 15h. Day: Pt. cldy.
Mar. 1	8	29.021	−3.0	3.4	−8.0	S	6	9	CiSt NW	0	22° solar halo.
1	14	29.047	−0.9			S	4	9	2 Ci NW, 7 CiSt NW.	0	
1	20	29.086	−3.8	2.3	−9.0	E	9	8	2 ASt W, 6 ACu W	0	Solar halo until 15h. Iridescent clouds at 17h.
2	8	29.158	−5.0	−2.9	−20.0	E	11	10	5 St W, 5 StCu W	0	
2	14	29.119	−4.0			E	16	8	4 CiSt NW, 4 CiCu NW.	0	
2	20	28.983	5.7	5.7	−6.5	E	25	10	St NW	Lt.	Iridescent clouds at 14:30h. 22° solar halo from 16 to 17h. The St at 20h were rather high. Snow B. D. P.
3	8	28.701	16.6	16.6	5.7	SE	29	10	St	Mod.	Snowing until 9h.
3	14	28.751	13.5			S	10	8	Ci N	0	
3	20	28.904	−3.0	18.5	−3.0	SW	9	Few	Ci NW	0	
4	8	29.309	−11.2	−3.0	−18.0	SW	2	4	StCu SW	0	
4	14	29.248	19.7			NW	18	10	St NW	0	Temperatures higher when wind shifted to NW.
4	20	29.267	22.0	22.0	−12.3	NW	24	10	St NW	Lt.	
5	8	29.325	24.8	24.8	21.1	NW	17	10	StCu NW	0	Snowing from D. A. to 7h.
5	14	29.304	24.0			N	16	10	5 St N, 5 StCu N	0	Snowing from 14h to 14:30h.
5	20	29.229	12.0	25.3	12.0	NE	8	Few	StCu NE	0	Parhelion at 15h.
6	8	29.126	7.0	12.0	6.1	NE	5	9	4 Ci W, 4 ASt W, 1 StCu NE.	0	
6	14	29.098	5.0		5.0	E	18	10	St	Lt.	Snowing since 10:15h.
6	20	29.075	−6.5	14.1	−6.5	SW	24	10	St SW	Lt.	Snowing.
7	8	29.393	−27.6	−6.5	−29.5	SW	4	1	Ci W	0	Snow ended between 3h and 4h and sky began to clear.
7	14	29.392	−2.0			E	20	10	St	Lt.	
7	20	29.335	17.7	17.7	−28.0	NE	32	10	St	Mod.	Wind increasing throughout afternoon. Snow B. 23:30h.
8	8	29.194	20.0	20.0	14.2	NE	34	10	St	Mod.	
8	14	29.005	22.1			NE	17	10	St	Lt.	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0–10	From		
Mar. 8	20	28.889	28.8	28.8	20.0	N	17	10	St	Lt.	Lt. mist with fine snow. Mod. fog. ¼ inch of clear ice observed on the windward side of exposed objects. Snow continued throughout the night.
9											
9	8	28.868	−4.0	29.4	−4.0	SW	20	10	St	Mod.	Snow until 12h. Fog ended D. A.
9	14	28.859	−6.0			SW	29	8	StCu SW	Mod.	Clouds breaking up.
	20	28.949	−5.5	−4.0	−6.8	SW	17	9	ASt SW	Lt.	Clear ice ¾ inch thick observed on radio towers.
10											
10	8	29.131	−.5	−0.5	−16.5	NE	9	10	5 St SW, 5 St Cu SW	0	
10	14	29.280	4.5			NE	16	3	ACu W	0	
	20	29.385	−6.8	5.6	−6.8	E	16	Few	ASt W	0	A fine day throughout. The first sun for several days.
11											
11	8	29.428	2.0	2.0	−10.0	SE	16	7	4 Ci NW, 3 CiSt NW	0	
11	14	29.277	6.1			SE	22	5	Ci NW	Lt.	Solar halo from 10h to 11h.
	20	29.085	7.3	9.0	−1.0	SE	34	2	2 Ci NW, Few ACu SE Few ASt SE.	Hvy.	
12											
12	8	28.937	12.3	13.5	7.3	S	16	10	St	0	
12	14	28.843	8.0			S	24	10	St	Lt.	Snowing.
13	20	28.792	4.0	12.3	4.0	S	26	10	St	Lt.	Do.
13	8	28.892	−12.0	4.0	−12.0	SW	13	3	ACu W	0	
	14	29.006	−17.0			SW	9	Few	Ci	0	Shower of ice crystals falling at 12h gave rise to 22° halo and parhelia.
13											
14	20	29.080	−23.8	−12.0	−25.0	W	9	0		0	
14	8	29.211	−22.5	−23.8	−29.8	SW	4	3	ACu SW	0	
14	14	29.211	−9.0			E	13	8	ASt WSW	0	
15	20	29.238	−11.0	−9.0	−22.5	E	16	10	ASt W	0	
15	8	29.140	−7.6	−5.6	−11.3	E	22	8	3 CiSt, 5 Ci	Lt.	
15	14	29.104	−3.8			E	10	9	St NW	0	Snow from 13:30h to 15h.
16	20	29.111	−22.0	−1.0	−22.0	SW	9	Few	ASt	0	
16	8	29.130	−13.6	−10.8	−25.0	S	12	10	St W	0	
16	14	29.148	−15.6			W	9	9	St W	0	
17	20	29.210	−19.0	−13.6	−20.6	SW	7	9	St. S	0	
17	8	29.397	−25.7	−17.5	−32.0	S	8	Few	St S	0	
17	14	29.463	−19.1			S	3	10	Dn. Fog	0	
	20	29.500	−24.3	−18.2	−29.1	E	4	9	4 ACu W, 5 ASt W	0	Dn. fog until 18h. Lt. deposit of rime on windward side of exposed objects. Outline of sun visible most of day.
18											
18	8	29.493	−15.0	−13.8	−24.3	E	24	10	St	Lt.	
18	14	29.513	−14.7			E	24	1	Ci NW	Lt.	
19	20	29.542	−13.5	−10.0	−15.0	E	24	1	ASt SE	Lt.	
19	8	29.553	−15.1	−13.5	−22.0	E	14	Few	ASt SW	0	
19	14	29.519	−11.1			E	21	1	ASt SW	Lt.	
20	20	29.464	−9.0	−9.0	−15.1	E	25	10	St	Lt.	Mostly clear at 22h.
20	8	29.250	−3.2	−3.2	−9.7	SW	9	10	5 St N, 5 StCu N	0	Drift until 8h.
20	14	29.194	−9.0			SW	16	9	StCu N	0	
21	20	29.189	−25.0	0.0	−25.0	SW	14	3	St N	0	
	8	29.181	−37.5	−25.0	−42.4	E	4	1	St W	0	Few flakes of snow falling at 7:30h.
21											
	14	29.096	−23.0			W	17	5	St	0	Low overcast with vy. lt. snow at 9:30h.
21											
22	20	29.050	−32.7	−20.0	−37.5	W	8	10	ASt W	0	
22	8	29.101	−42.5	−32.7	−43.0	W	7	Few	Ci W	0	
22	14	29.100	−37.3			SW	9			0	
23	20	29.119	−42.8	−36.8	−42.8	W	5	0		0	
23	8	29.284	−47.1		−51.0	S	3	Few	ASt SW, ACu SW	0	
23	14	29.342	−32.0			E	24	10	St	Mod.	
24	19:30	29.357	−29.7	−29.7	−50.0	E	24	10	St	Mod.	
24	8	29.224	4.0	4.0	−29.7	N	26	10	St	Mod.	
24	14	29.234	−7.3			W	11	9	StCu NW	0	
25	19:30	29.314	−28.0	4.0	−28.0	W	20	10	St	Lt.	
25	8	29.636	−40.0	−28.0	−40.0	W	13	Few	ASt W	0	
25	14	29.694	−34.9			SW	9	8	ASt W	0	Pressure high.
26	20	29.662	−24.9	−24.9	−40.7	E	7	10	ASt	0	
26	8	29.384	−16.2	−16.2	−24.9	E	24	10	St	Lt.	Snowing.
26	14	29.173	6.0			NE	24	10	St	Lt.	Do.
	19:30	29.260	−23.6	8.1	−23.6	SW	9	10	St	0	Snow until 16h when barometer began to rise and wind shifted to W. Mostly clear after 22h.
27											
27	8	29.249	−39.1	−23.6	−40.0	W	8	1	St W	0	
27	14	29.252	−40.9			W	10	0		0	
28	20	29.264	−49.8	−39.1	−49.8	W	2	0		0	
	8	29.269	−50.0		−55.3	E	9	Few	ASt N or NW	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0–10*	*From*		
Mar. 28	14	29.287	−41.1	--------	--------	S	6	10	ASt NW	0	
28	20	29.273	−40.5	−39.0	−50.0	SE	5	1	ASt NW	0	Clear at 21h.
29	8	29.360	−32.8	−32.0	−42.3	SW	5	10	ACu E	0	
29	14	29.434	−35.7	--------	--------	S	3	6	ACu SE	0	
29	20	29.444	−45.2	--------	−46.4	S	6	1	Ci W	0	
30	8	29.338	−20.0	−18.0	−46.2	E	24	7	7 Ci (W?) Few AST	Lt.	
30	14	29.322	−15.0	--------	--------	E	19	10	ASt N	Lt.	Solar halo from 10:30h to 12h.
30	19:30	29.317	−21.0	−9.5	−21.8	S	9	5	Ci	0	Lunar halo at 21h. Began pilot balloon observations today.
31	8	29.334	−36.0	--------	−37.0	S	8	9	7 Ci NNW, 2 CiSt NNW.	0	
31	14	29.362	−29.0	--------	--------	S	6	9	5 Ci NW, 4 CiSt NW.	0	
31	20	29.378	−28.0	--------	−36.0	S	5	4	Ci NW	0	Lunar halo.
Apr. 1	8:30	29.285	−14.3	−14.3	−29.0	E	24	10	St E	Lt.	
1	14	29.193	−12.0	--------	--------	E	24	8	5 Ci NW, 3 CiSt NW	Lt.	Partial halo.
1	20	29.078	−10.3	−10.3	−14.3	E	34	10	St	Mod.	
2	8	29.013	−18.0	2.8	−18.0	W	22	10	St W	Lt.	Lt. fog B. D. A. Snow from D. A. to 8h. The barometer took a sharp rise at 7h and wind shifted to W. Temp falling. Fog until 10h.
2	14	29.200	−34.9	--------	--------	W	8	5	Ci NW	0	
2	20	29.085	−31.0	−18.0	−36.9	E	4	8	CiSt NW	0	
3	8	28.314	1.7	1.7	−31.0	E	37	10	Dn. fog	Mod.	Snow and lt. fog since 1h.
3	14	28.097	21.5	--------	--------	NE	29	10	do	Mod.	Snowing.
3	20	28.172	21.5	22.9	1.0	NE	24	10	do	Mod.	Do.
4	8	28.315	5.5	21.5	4.1	NE	29	10	St	Mod.	Snowing. Lt. fog.
4	14	28.541	8.6	--------	--------	N	20	10	St NNW	Lt.	Do.
4	20	28.818	4.0	9.7	4.0	N	20	0	--------	0	Lt. fog and snow ended 19:30h.
5	8	29.024	−2.0	4.0	−5.9	E	17	7	6 ASt N, 1St NE	0	St coming in from NE.
5	14	29.019	−2.0	--------	--------	E	24	10	St NE	Lt.	
5	20	29.055	−3.0	4.6	−5.5	E	16	10	ASt ENE	0	
6	8	29.052	−6.0	−1.0	−12.0	E	17	10	St ENE	Lt.	Lt. snow since 7:30h.
6	14	29.039	0	--------	--------	SE	8	10	St NE	Lt.	Lt. snow.
6	20	29.044	−1.0	2.0	−6.1	E	16	10	St NNE	Lt.	Lt. snow continued all day.
7	8	28.991	−0.6	1.0	−2.8	E	24	10	St N	Lt.	Lt. snow.
7	14	28.953	0.4	--------	--------	E	28	10	St NNE	Lt.	Do.
7	20	28.907	−5.0	2.5	−6.0	E	24	1	ASt NNE	Lt.	Lt. snow until 18h. Mostly clear at 19h.
8	8	28.936	−6.0	−4.2	−7.8	E	24	10	ASt NNE	Lt.	
8	14	28.974	−9.0	--------	--------	E	17	10	ASt NE	0	
8	20	29.019	−17.5	−5.5	−17.5	E	16	--------	--------	0	
9	8	29.118	−18.3	−14.0	−18.3	NE	8	9	5 Ci NNE, 4 A St NE	0	
9	14	29.165	−11.0	--------	--------	E	5	10	St NE	0	
9	20	29.177	−21.0	−8.5	−21.8	E	9	10	St	0	
10	8	29.210	−10.9	−7.5	−21.0	SE	5	10	St ENE	0	
10	14	29.194	−7.5	--------	--------	SE	4	10	St SSE	0	
10	19	29.178	−16.0	−7.5	−16.0	E	6	5	St E	0	
11	8	29.075	−25.0	−15.0	−27.0	S	9	10	St NNE	0	Lt. snow since 7:30h.
11	14	28.995	−20.0	--------	--------	S	7	10	ASt ENE	0	
11	20	28.955	−15.1	−12.0	−25.0	E	20	8	CiSt ENE	Lt.	
12	8	28.937	−22.8	−15.1	−22.8	S	5	8	CiSt E	0	
12	14	28.941	−30.3	--------	--------	S	4	8	CiSt ENE	0	
12	20	28.982	−35.1	−22.8	−35.1	S	4	0	--------	0	Good vis. today.
13	8	29.073	−42.8	−35.1	−42.8	S	3	Few	CiSt ESE	0	
13	14	29.092	−40.0	--------	--------	S	6	10	St ESE	0	Low clouds coming in at 13h.
13	19	29.073	−25.0	−22.0	−45.0	SE	13	10	St WNW	0	
14	8:30	29.094	−36.1	−22.0	−36.1	E	5	Few	St ESE	0	
14	14:45	29.096	−32.0	--------	--------	SE	13	0	--------	0	Lt. fog B. 9:30h; fog thin and close to ground.
14	20	29.083	−33.0	--------	−40.0	SE	12	0	--------	0	Lt. fog.
15	8	28.948	−21.5	−25.0	−40.0	SE	20	10	St SE	Lt.	Do.
15	14	28.884	−15.6	--------	--------	SE	20	10	St SE	Lt.	Do.
15	20	28.850	−24.9	−14.6	−24.9	S	12	0	--------	Lt.	Lt. fog. The low St were mostly gone at 16 h. disclosing some CiSt.
16	8	28.824	−25.0	−17.9	−31.0	SW	8	10	ASt E	0	Lt. fog E. D. A.
16	14	28.882	−15.6	--------	--------	E	22	10	ASt ESE	0	
16	20	28.966	−15.8	−15.0	−25.8	SE	16	10	ASt E	0	Clouds very thin; some stars visible.
17	8	29.068	−35.0	−15.8	−35.0	S	5	1	Ci N or NE	0	
17	14	29.097	−42.7	--------	--------	SW	3	7	1Ci NNE, 6CiSt NNE.	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures: Dry	Air temperatures: Max.	Air temperatures: Min.	Wind		Cloudiness	Clouds	Drift	Remarks
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Apr. 17	20	29.116	−45.8	−35.0	−45.8	SW	5	0		0	
18	8	29.145	−48.0		−48.0	SW	3	2	2 Ci ENE, Few ACu SE, Few ASt SE.	0	
18	14	29.137	−47.8			SW	5	Few	Few Ci ENE	0	
18	20:20	29.140	−50.8		−50.8	SW	4	0		0	
19	8	29.161	−47.2		−52.9	S	8	10	St E	0	
19	14	29.177	−34.1			S	8	10	St NNE	0	
19	20	29.197	−22.3		−47.2	S	7	10	St SE	0	Last day sun is visible.
20	8	29.249	−13.3	−12.6	−22.3	S	9	10	St SE	0	
20	14	29.263	−4.9			E	24	10	St SE	Lt.	Lt. snow since 12:30h. (By 12h the St had passed over leaving sky covered with ASt from N.).
20	20	29.288	−13.7	−1.4	−14.8	S	10	8	ASt NE	0	Lt. snow.
21	8	29.218	−11.2	−11.2	−15.9	S	4	10	St ESE	0	
21	14	29.177	−15.0			S	7	10	ASt NNE	0	
21	20	29.157	−18.8	−11.2	−19.0	S	8	0		0	
22	8	29.101	−21.2	−19.3	−24.0	S	10	10	St NNW	0	Lt. snow.
22	14	29.064	−18.8			S	4	10	St NNW	0	Do.
22	20	29.110	−35.4	−18.8	−35.4	SW	3	0		0	Lt. snow until 18h.
23	8	28.942	−10.0	−10.0	−38.0	E	24	10	St	Lt.	Lt. snow B. D. A.
23	14	28.710	0.0			E	29	10	St	Mod.	Lt. snow. Vis. 200 feet during day.
23	20	28.626	5.0	6.0	−10.0	E	25	10	St	Lt.	Snowing.
24	8	28.639	5.0	5.4	3.8	E	14	10	ASt E	0	Lt. snow.
24	14	28.686	4.3			SE	20	10	St ENE	Lt.	Do.
24	20	28.714	1.3	6.4	1.3	E	18	4	ASt NE	Lt.	Lt. snow. ASt vy. thin.
25	8	28.889	−2.0	1.7	−5.8	N	24	10	St N	Lt.	Lt. snow.
25	14	28.924	−1.0			N	16	10	5 Ci N, 5 St NNE	0	Lt. snow. Broken Ci and St at 15h.
25	20	28.925	−2.0	1.2	−3.3	N	13	7	ASt NE	0	Lt. snow. ASt thin.
26	8	28.907	−12.1	−2.0	−13.0	E	17	10	St NE	Lt.	Lt. snow until 12h.
26	14	28.912	−12.2			E	20	9	StCu SE	Lt.	
26	20	28.906	−17.0	−9.0	−19.6	E	9	4	1 ACu SE, 3 St Cu ESE.	0	Corona.
27	8	28.810	−24.3	−17.0	−32.4	S	9	10	St NE	0	
27	14	28.721	−23.0			S	9	8	St E	0	Snowing since 13h.
27	20	28.667	−8.9	−8.9	−25.5	E	22	10	St E	Lt.	Lt. snow. Moon occasionally visible through clouds.
28	8	28.794	−10.0	−8.9	−14.4	E	13	10	St NE	0	Snow ended D. P.
28	14	28.886	−4.0			E	14	10	ASt	0	Lunar halo and paraselenae at 16h.
28	20	29.019	−14.3	−4.0	−14.3	NE	16	2	Ci	0	
29	8	29.165	−7.1	−7.1	−19.0	E	24	10	St	Lt.	
29	14	29.092	−1.0			E	29	9	St	Lt.	
29	20	29.104	−7.0	0.2	−8.7	E	20	2	CiSt	Lt.	22° lunar halo.
30	8	29.072	−1.2	1.8	−17.0	SE	13	Few	Ci NNE	0	
30	14	29.046	−25.9			SW	9	0		0	
30	20	29.004	−32.0	1.0	−32.9	SW	13	0		0	
May 1	8	28.952	−40.5		−43.0	S	6	10	9 ASt SSW, 1 St S	0	Lunar corona until 9h.
1	14	28.842	−27.2			S	7	2	St Cu SSW	0	Shower of ice crystals and lunar halo at 16h.
1	19:30	28.779	−34.1		−41.0	SW	16	6	2 ACu SSW, 4 ASt SSW.	0	
2	8	28.834	−46.0		−48.6	S	4	9	ASt S	0	Lunar corona.
2	14	28.851	−45.4			E	6	Few	Ci S	0	
2	20	28.835	−35.6		−46.0	E	18	10	St NNW	Lt.	Snowing since 19:30h.
3	8	29.068	−27.0	−23.0	−35.6	S	8	10	St S	0	Snow ended 6h.
3	14					SW	8	10	St	0	
3	20	29.425	−39.0		−39.2	SW	6	8	St SW	0	
4	8	29.486	−43.2		−48.0	E	6	Few	Ci	0	
4	14	29.421	−45.1			S	6	0		0	Shower of ice crystals, 22° lunar halo and paraselenae at 15h.
4	20	29.420	−42.9		−47.0	SW	12	0		0	
5	8	29.526	−39.8		−45.0	SW	4	4	CiSt	0	Faint 22° halo at 6h.
5	14	29.554	−41.9			S	3	7	CiSt (WNW?)	0	
5	20	29.561	−39.0		−44.4	E	8	0		0	
6	8	29.457	−34.7		−42.5	SE	12	0		0	
6	14:30	29.376	−34.4			SE	17	0		0	
6	19:30	29.326	−26.8		−36.7	SE	18	0		Lt.	
7	8	29.223	−23.9		−29.0	E	20	8	CiSt	Lt.	
7	14	29.167	−31.0			E	13	Few	CiSt	0	
7	20	29.093	−31.4		−33.0	E	18	0		0	
8	8	29.035	−38.4		−40.0	S	11	Few	Ci	0	Ci Are along N horizon.
8	14	29.051	−41.2			SE	9	1	CiSt	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0–10*	*From*		
May 8	20	29.036	−44.0	--------	−44.0	SW	6	0	----------	0	
9	8	28.979	−38.1	--------	−45.0	S	7	0	----------	0	Lt., shallow fog from D. A. to 11h.
9	14	28.950	−31.8	--------	--------	SW	13	0	----------	0	
9	20	28.968	−42.0	−31.8	−42.0	S	4	0	----------	0	
10	8	29.022	−53.0	--------	−53.0	S	2	Few	Ci----------	0	
10	14	29.036	−46.0	--------	--------	E	12	0	----------	0	
10	20	29.070	−39.2	--------	−53.0	SE	7	10	St NNE----------	0	
11	8	29.043	−7.5	--------	−39.2	E	20	10	St NNE----------	Lt.	Snowing since D. A.
11	14	29.075	−6.8	--------	--------	E	13	10	St NNE----------	0	Lt. snow.
11	20	29.086	−4.9	−4.9	−7.5	E	13	10	St ESE----------	0	Snow E. D. P. Cloud height increased during day.
12	8	28.999	−19.7	−4.0	−20.8	E	17	0		0	
12	14:35	28.921	−22.0	--------	--------	E	10	0	----------	0	Ice crystals falling at 14h.
12	20:30	28.806	−21.2	−13.0	−29.1	E	8	10	St N----------	0	Snowing since 19:15h.
13	8:30	28.544	−9.5	−9.5	−23.0	SE	16	Few	Ci----------	0	Lt. snow ended D. A.
13	14	28.451	−8.9	--------	--------	E	20	Few	Ci----------	Lt.	
13	20:30	28.396	−4.7	−4.7	−14.3	E	24	10	St----------	Lt.	
14	8:30	28.416	−0.1	2.2	−4.7	E	6	10	St ESE----------	0	
14	14	28.450	−12.8	--------	--------	S	10	10	St----------	0	Snowing since 10h.
14	20	28.494	−22.8	−0.1	−22.8	S	12	10	St SE----------	0	Lt. snow. A few stars visible at 21h.
15	8:30	28.508	−36.4	--------	−36.8	S	6	Few	StCu N----------	0	Lt. snow ended D. A.
15	14	28.559	−30.3	--------	--------	S	5	10	St----------	0	Shower of fine ice crystals from 13 to 20h.
15	20	28.643	−24.3	--------	−37.2	S	9	10	St----------	0	Lt., shallow fog; stars visible.
16	8:30	28.853	−18.8	−18.8	−26.5	E	7	10	St NNE----------	0	Vy. lt. snow since D. A. Lt. fog ended D. A. About ¼ inch of rime noted this morning on the windward side of exposed objects.
16	14	28.913	−13.0	--------	--------	E	13	10	St NNE----------	0	Lt. snow.
16	20	29.025	−11.9	−11.9	−18.8	E	9	10	St NNE----------	0	Do.
17	8	29.207	−11.1	−11.1	−12.8	E	7	10	St----------	0	Do.
17	14	29.308	−9.0	--------	--------	E	5	10	St (NW?)----------	0	Do.
17	20	29.356	−8.1	−7.0	−11.1	SE	6	10	St WNW----------	0	Lt. snow until D. P.
18	8	29.434	−12.8	−8.1	−15.5	W	2	10	St----------	0	
18	14	29.412	−25.0	--------	--------	S	9	0	----------	0	Sky clear at 13h.
18	20	29.351	−42.0	−12.8	−42.0	SW	6	0	----------	0	Vis. vy. good. Shower of fine ice crystals falling since 21 h.
19	8	29.265	−53.0	--------	−54.1	S	6	0	----------	0	
19	14	29.192	−55.0	--------	--------	SW	7	0	----------	0	
19	20	29.078	−54.8	--------	−56.3	SW	8	0	----------	0	
20	8	29.163	−59.8	--------	−60.1	SW	5	0	----------	0	
20	14	29.314	−58.3	--------	--------	SW	7	Few	Ci----------	0	
20	20	29.442	−53.0	--------	−62.4	W	3	0	----------	0	Shower of ice crystals from 19h to 20h.
21	8	29.484	−41.8	--------	−55.8	E	8	3	StCu NW----------	0	
21	14	29.472	−37.0	--------	--------	E	13	2	Ci----------	0	
21	21	29.281	−28.0	--------	−41.8	SE	16	0	----------	0	
22	8	28.739	2.2	--------	−28.0	E	24	10	St (NNE?)----------	Lt.	Fairly hvy. snowfall consisting of large, moist flakes began at 10h.
22	14	28.836	16.9	--------	--------	NE	34	10	St----------	Mod.	
22	20	28.957	1.1	17.0	1.1	N	29	0	----------	Mod.	Snow until 19h.
23	8	29.480	−11.1	1.1	−11.1	N	4	10	ASt (NNW?)----------	0	
23	14	29.530	−6.0	--------	--------	E	12	10	St NE----------	Lt.	
23	21	29.448	7.0	7.0	−12.7	E	20	3	StCu NE----------	Lt.	Sky overcast at 22h.
24	8	29.301	16.8	16.8	7.0	E	24	10	St----------	Lt.	Snow since D. A.
24	14	29.272	20.0	--------	--------	E	17	10	St----------	0	Snowing until 16h.
24	20	29.380	17.0	25.1	16.2	N	8	10	St ESE----------	0	
25	8	29.258	19.5	19.5	12.8	E	11	10	St N----------	0	
25	14	29.295	1.8	--------	--------	NE	9	3	CiSt NE----------	0	Faint 22° lunar halo from 13h to 15h.
25	20	29.267	−3.0	21.4	−3.0	E	4	4	ASt NE----------	0	Lt. snow B. 20:50h.
26	8	29.084	9.7	13.2	−3.0	E	18	10	St (NE?)----------	Lt.	Lt. snow E. D. A.
26	14	29.045	9.0	--------	--------	E	17	10	StCu (NE?)----------	0	
26	21:30	28.976	4.2	11.0	4.2	SE	13	6	ASt NNE----------	0	
27	8	28.901	8.4	14.2	3.0	SE	13	10	St N----------	0	Lt. snow B. D. A.
27	14	28.845	3.2	--------	--------	E	18	10	St N----------	0	Lt. snow.
27	20	28.812	3.0	10.0	3.0	S	7	10	St----------	0	Do.
28	8	28.715	1.8	5.7	0.8	E	8	10	St----------	0	Snowing.
28	14	28.731	5.0	--------	--------	E	13	10	St----------	0	Lt. snow until 13h.
28	20	28.780	−3.8	7.0	−6.2	E	15	10	StCu NE----------	0	
29	8	28.852	−3.0	−1.2	−10.7	E	16	3	ASt NE----------	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
May 29	14					E	18			0	
29	20	29.031	6.2	6.2	−5.0	E	11	6	StCu	0	
30	8	29.054	14.0	14.0	3.0	SE	18	10	St	0	Lt. snow B. D. A.
30	15	28.998	19.0			E	13	10	St	0	Lt. snow.
30	21	29.039	20.1	20.4	14.0	NE	16	10	ASt	0	Do.
31	8	29.139	14.8	20.4	14.1	NE	14	10	St	0	Do.
31	14	29.131	7.0			E	13	10	St NE	0	Lt. show. Snow ended 10h. Snow B. 13h. Sky cleared somewhat after 11h; fine ice crystals falling through air.
June 1	20	29.085	7.8	14.8	−0.5	SE	13	10	St	0	Lt. snow.
1	8	28.863	7.8	14.3	3.8	SE	20	10	St (NE?)	Lt.	Do.
1	14	28.767	11.8			E	20	10	St (NE?)	Lt.	Do.
1	20	28.737	9.2	12.4	7.8	E	9	4	St NE	0	Snow until 21h. Sky clearing; few stars visible.
2	8	29.107	−2.0	13.0	−2.0	N	20	0		Lt.	Ci from N at 9h produced 22° lunar halo and parasalenae.
2	14	29.257	−11.8			E	8	1	Ci N	0	
2	20	29.178	1.0	1.8	−13.3	S	14	10	St	0	Snowing since 18h.
3	8:45	29.113	19.0	20.8	1.0	E	22	10	St (NE?)	Lt.	
3	14	29.079	16.2			SE	25	10	St (NE?)	Lt.	
3	20	28.997	24.4	24.4	14.5	E	22	10	St (NE?)	Lt.	
4	8	29.077	24.3	25.0	20.1	E	24	10	St (NE?)	Lt.	Snowing. Thin coating of ice on windward side of exposed objects this morning. Snow vy. fine and moist, probably mixed with some mist.
4	14	29.237	19.0			N	29	10	St (NE?)	Mod.	Snow ended at 12h.
4	20	29.382	19.5	25.2	13.8	E	16	10	St NNE	0	Vy. moist snow B. 21h.
5	8	29.453	19.3	23.9	15.3	E	16	10	St ENE	0	
5	14	29.375	9.4			W	4	0		0	
5	20	29.262	−1.0	22.0	−1.3	W	5	0		0	Observation of meteor trail shows a 121 m. p. h. W wind at altitude of 50 miles.
6	8	29.240	−15.5	14.3	−15.5	SW	7	0		0	
6	14	29.159	−16.0			S	13	0		0	
6	21	29.078	−19.0	−15.5	−21.0	SW	24	0		Lt.	
7	8	28.947	−22.9	−18.0	−26.0	SW	13	0		0	
7	14	28.904	−31.8			S	5	0		0	
7	20	28.885	−33.5		−37.4	SW	4	0		0	
8	8	28.848	−12.7	−12.7	−35.0	SW	3	10	St	0	Snowing. Estimated snowfall ⅞ inch; snow lt. and fluffy.
8	14	28.773	−2.0			E	21	10	St (ENE?)	Lt.	Lt. snow.
8	20	28.762	6.9	6.9	−12.8	E	17	10	St ENE	Lt.	Do.
9	8	28.754	−7.2	7.4	−7.2	E	13	10	St	0	Lt. snow ended D. A.
9	14	28.848	−6.0			E	5	10	St	0	Snowing from 11h to 13h.
9	19:30	28.958	−1.0	−0.7	−10.3	E	11	10	St	0	Snowing since 17h.
10	8:30	29.047	6.2	7.0	−1.0	SE	13	10	St (NE?)	0	Vy. lt. snow.
10	14	28.867	12.9			SE	29	10	St (NE?)	Mod.	
10	20	28.887	6.8	14.7	5.7	E	23	0		Lt.	
11	8	28.948	1.0	10.0	−3.4	SE	17	4	St ENE	Lt.	Lt. snow; some stars visible.
11	14:30	29.144	−1.0			E	5	10	St ESE	0	Vy. fine snow. Some of the brighter stars are visible.
12	21:30	29.392	−14.8	4.7	−14.8	W	6	0		0	Fine ice crystals falling at 21:30h.
12	8	29.313	−22.7	−14.8	−27.1	E	4	0		0	
13	20	29.161	−27.2		−28.4	SW	8	0		0	
13	8	29.138	−27.0	−24.0	−33.8	S	7	1	St	0	
13	14	28.967	−14.6			SW	3	0		0	
14	21	28.824	−15.0	−14.6	−33.7	S	13	10	St	0	Snowing since 17h.
14	8	28.601	−13.0	−13.0	−17.0	S	13	10	St	0	Lt. snow. Mod. drift during night.
14	14	28.480	11.1			E	18	10	St (NE?)	0	Lt. snow.
15	20	28.469	15.3	21.0	−13.0	E	20	10	St (NE?)	Lt.	Do.
15	8	28.391	11.4	18.0	7.4	SE	18	10	1StCu ENE, 9St ENE.	0	
15	14	28.382	−2.0			NE	9	1	St NE	0	
16	20	28.403	−2.0	12.0	−5.7	E	8	0		0	Ice crystals falling.
16	8	28.444	6.4	13.5	−4.0	NE	17	10	St NE	0	Vy. lt. snow until 10h.
16	14	28.526	1.7			NE	24	10	St N	Lt.	
17	21:15	28.579	−2.1	6.9	−2.1	N	16	10	St N	0	Lt. snow.
17	9	28.655	−12.4	−2.1	−12.4	E	14	10	St (NE?)	0	Lt. snow until 10h.
17	14	28.657	−21.8			SE	15	Few	St SE	0	
18	21	28.673	−28.9	−12.4	−30.0	SW	3	0		0	Fine ice crystals falling.
18	8	28.748	−31.4		−35.0	SW	6	0		0	Ice crystals falling.
	14	28.800	−33.3			SW	4	0		0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0–10*	*From*		
June 18	20	28.781	−27.8	--------	−34.7	SW	8	10	St	------	Lt. fog (?) since 14:30h. Ice crystals falling.
19	8	28.688	−28.0	--------	−38.8	S	7	10	St	0	Lt. snow fell during night.
19	14	28.677	−7.6	--------	--------	SE	13	10	St	Lt.	
19	20	28.705	−11.0	−7.0	−28.0	E	13	10	St	0	Lt. snow since 19h.
20	8	28.750	−11.8	−8.0	−20.0	W	7	10	St	0	Lt. snow.
20	13:30	28.741	−5.0	--------	--------	E	11	10	St (NE?)	0	Lt. snow until 17h.
20	21	28.711	−13.6	−4.0	−14.0	SE	5	10	St (E?)	0	
21	8	28.637	−21.0	−13.0	−21.0	SW	8	0	--------	0	
21	14	28.631	−25.0	--------	--------	SW	4	Few	St ESE	0	
21	20	28.612	−31.9	--------	−31.9	S	8	0	--------	0	
22	9	28.544	−32.0	--------	−37.9	SW	3	2	ACu E	0	
22	14	28.531	−36.1	--------	--------	SW	2	4	ACu ESE	0	
22	20	28.572	−35.0	--------	--------	E	8	6	ACu	0	
23	9	28.740	−18.3	--------	−37.1	E	11	10	St	0	
23	14	28.737	−21.3	--------	--------	NE	7	Few	ASt E	0	
23	21:30	28.582	−13.3	−9.9	−27.7	SW	16	4	CiSt	0	Lunar corona at 15h. Lunar halo at 21h. Lt. fog B. 22h.
24	8:30	28.461	−30.3	−13.3	−35.0	E	20	2	ASt	Lt.	
24	14	28.519	−20.0	--------	--------	E	23	10	St NE	Lt.	
24	19:30	28.681	−19.0	−16.0	−30.3	E	29	10	St NE	Lt.	
25	9	28.958	−12.1	−11.6	−23.6	E	18	10	St (NE?)	0	
25	14	29.060	−17.0	--------	--------	E	19	10	ASt ENE	0	
25	20	29.074	−21.0	−10.0	−22.2	SE	17	4	ASt ENE	0	
26	8	28.969	−15.1	−14.8	−21.9	E	22	8	ASt NE	Lt.	Lunar corona; 2 rings visible. Low St came over at 9h.
26	14	29.056	−16.8	--------	--------	SE	2	10	St	0	
26	20	29.150	−20.0	−15.1	−20.0	SE	3	8	ASt NE	0	22° lunar halo and lunar corona observed simultaneously at 21h; only ASt visible.
27	8	29.215	−35.0	−20.0	−35.8	S	4	Few	ASt E	0	Brilliant corona, 2 rings.
27	14:45	29.253	−40.0	--------	--------	SE	4	4	ASt E	0	Shower of fine ice crystals.
27	20	29.294	−42.1	--------	−42.1	S	4	0	--------	0	Shower of ice crystals continues.
28	8:30	29.536	−49.0	--------	−49.0	SW	6	0	--------	0	
28	14	29.660	−50.0	--------	--------	SW	4	0	--------	0	
28	20	29.649	−51.8	--------	−52.6	SW	7	0	--------	0	
29	8	29.508	−48.5	--------	−53.0	S	3	Few	ASt SW	0	
29	14	29.575	−50.0	--------	--------	SW	5	0	--------	0	
29	20	29.624	−43.0	--------	−51.4	SW	9	0	--------	0	Lt. shower of vy. fine ice crystals falling.
30	8	29.650	−35.3	−35.3	−48.9	SW	15	3	CiSt	0	Faint 22° lunar halo.
30	14	29.668	−37.0	--------	--------	SW	9	Few	ASt SW	0	
30	21:15	29.624	−31.0	−31.0	−40.0	SW	9	Few	ASt	0	
July 1	8	29.418	−46.4	−31.0	−49.0	S	8	1	ASt	0	
1	14	29.320	−38.0	--------	--------	E	11	10	St	0	Low St came over at 10h. Lt. snow since 13h.
1	21:30	29.252	−38.0	--------	−47.7	S	5	0	--------	0	Lt. fog since 17h.
2	8	29.171	−60.0	--------	−60.0	S	4	0	--------	0	Lt. fog E. D. A.
2	14	29.078	−58.2	--------	--------	S	4	0	--------	0	
2	21:30	28.947	−48.3	--------	−61.1	S	6	0	--------	0	Shower of ice crystals from 19 to 21h; cutting down vis. considerably.
3	8:30	28.937	−54.5	--------	−56.0	SW	3	0	--------	0	Shower of ice crystals until 10h.
3	14	28.978	−58.8	--------	--------	SW	2	0	--------	0	
3	20	29.025	−50.0	--------	−58.8	S	3	0	--------	0	
4	8	29.020	−33.1	--------	−53.3	SW	5	Few	ASt E	0	Lt. snow from 2h to 5 h.
4	14	29.024	−14.0	--------	--------	E	24	0	--------	Lt.	
4	21	29.074	−18.0	−12.6	−34.3	E	16	0	--------	0	
5	8:30	29.055	−11.4	−10.2	−22.0	E	13	10	St	0	
5	14	29.075	−13.4	--------	--------	E	13	10	St	0	Lt. snow since 3h.
5	20	29.103	−15.0	−11.4	−17.0	E	9	9	St ENE	0	A number of the brighter stars visible and shower of ice crystals falling since 19h; clear at 21h.
6	8:30	29.128	−23.4	−15.0	−29.0	W	3	0	--------	0	
6	14	29.135	−40.8	--------	--------	W	7	0	--------	0	Ice crystals falling.
6	20	29.165	−49.8	--------	−49.8	W	5	0	--------	0	
7	9	29.274	−49.2	--------	−53.0	W	7	0	--------	0	
7	14	29.327	−52.4	--------	--------	W	3	0	--------	0	Do.
7	21:30	29.403	−51.0	--------	−53.9	W	7	0	--------	0	Do.
8	8	29.465	−56.2	--------	−57.8	SW	4	0	--------	0	
8	14	29.475	−55.0	--------	--------	S	6	7	CiSt Wor NW	0	
8	20:34	29.352	−35.8	−35.8	−59.0	SE	13	8	St?	Lt.	Vy. lt., fine snow. Few stars visible overhead; clouds difficult to determine.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
July 9	8	29.069	−29.2	−21.0	−40.0	S	11	5	St	0	
9	14	28.984	−25.0			S	6	10	St ESE	0	
9	21	29.018	−27.9	−16.0	−34.5	SW	13	10	St	0	Ice crystals or vy. lt., fine snow falling most of day; a number of stars visible.
10	8	29.079	−46.0	−27.9	−46.0	S	13	7	St	0	
10	14	29.132	−45.8			SW	14	8	St	0	
10	20	29.245	−46.1		−47.5	W	18	3	St	0	Ice crystals or vy. lt., fine snow falling all day.
11	8	29.425	−51.0		−51.0	W	5	0		0	Ice crystals falling.
11	14	29.397	−49.3			W	4	0		0	
11	20	29.354	−47.3		−54.0	W	9	0		0	
12	8	29.142	−52.0		−54.0	S	6	0		0	Ice crystals falling.
12	14	29.143	−50.1			SW	14	0		0	Lt., shallow fog from 10h to 14h.
12	20	29.161	−53.2		−54.5	SW	11	0		0	
13	8	29.264	−55.1		−57.7	SW	15	0		0	
13	14	29.319	−55.6			W	7	0		0	
13	20	29.321	−62.2		−62.2	S	4	0		0	
14	8	29.101	−51.0		−63.0	E	4	0		0	
14	14	28.931	−24.0			SE	24	0		0	Lt., shallow fog from 9h to 13h.
14	21:45	28.891	−21.0	−18.0	−56.9	SE	29	0		Mod.	Sharp rise in temperature.
15	9	28.872	−39.3	−17.0	−39.3	E	11	10	St E	0	Lt. snow.
15	14	28.766	−37.1			E	8	10	St (E?)	0	Do.
15	21:30	28.534	−32.2	−27.0	−39.8	S	11	10	St	0	Do.
16	8	28.309	−35.3		−36.2	SW	13	10	St (SE?)	0	Do.
16	14	28.293	−36.8			S	13	10	St	0	Do.
16	19	28.303	−39.0		−39.0	SW	13	0		0	Ice crystals falling.
17	8	28.534	−44.4		−45.8	W	3	Few	Ci	0	
17	14	28.615	−44.0			E	7	2	CiSt (N?)	0	
17	20	28.559	−22.5	−22.5	−55.3	SE	17	0		Lt.	Snowing since 16h.
18	8	28.506	−44.0	−18.5	−44.9	W	8	0		0	Lt. shower of ice crystals falling all day.
18	15	28.628	−48.6			W	6	0		0	
18	21:30	28.679	−57.7		−57.7	W	2	0		0	
19	8:30	28.715	−40.9		−58.8	W	3	0		0	Lt., shallow fog. Ice crystals falling.
19	14	28.739	−24.0			NE	13	10	St NW	0	Lt. snow.
19	20	28.766	−16.1	−16.0	−41.7	N	22	8	CiSt	Lt.	Faint 22° lunar halo since 18h. Brighter stars visible overhead.
20	8	28.854	−35.4	−14.0	−36.8	W	5	8	St NW	0	Snowing.
20	15	28.944	−42.0			SE	6	10	St	0	Do.
20	20	28.939	−36.2		−51.7	NE	16	Few	Ci	0	Clear at 17h.
21	9	29.240	−66.0		−67.0	SW	8	0		0	Lt. shower of ice crystals falling all day.
21	14	29.412	−70.0			SW	6	Few	CiSt	0	
21	20	29.576	−70.0		−70.6	W	5	0		0	
22	8	29.432	−43.0		−70.0	E	34	10	(St?)	Mod.	
22	14	29.212	−28.2			SE	45	10	St	Hvy.	
22	22	29.312	−25.0	−25.0	−43.0	S	20	7	St SSE	Lt.	Moon faintly visible all day.
23	8:30	29.673	−54.0		−54.0	S	6	0		0	Lt. shower of ice crystals falling most of day.
23	14	29.838	−59.0			S	2	Few	Ci	0	
23	20	29.927	−54.5		−59.5	S	7	4	ACu WNW	0	Lunar corona.
24	8	29.724	−29.5	−29.5	−54.5	SE	29	8	St	Mod.	
24	14	29.549	−17.0			SE	49	10	St	Hvy.	
24	20	29.418	−7.4	−6.4	−29.5	SE	34	10	St	Mod.	Snowing.
25	9	29.366	−7.0	−7.0	−12.0	SE	17	10	St	Lt.	Do.
25	14	29.375	−7.0			SE	17	10	St	0	Do.
25	21:30	29.336	−3.0	−1.7	−10.7	S	13	10	St ENE	0	Do.
26	8	29.200	6.8	8.4	−3.0	SE	22	10	St	Lt.	Do.
26	14	29.171	7.6			SE	20	10	St	Lt.	Snow until 13:30h.
26	20	29.128	13.3	13.3	5.3	SE	17	10	St NE	Lt.	Snowing since 17h.
27	8	29.075	21.9	22.9	13.1	NE	16	10	St	Lt.	Lt. snow perhaps mixed with some mist.
27	14	29.121	20.6			N	2	10	St N	0	Misting. Mist changed to vy. lt. snow at 17h.
27	20	29.122	17.3	22.7	17.3	SE	8	10	St	0	Vy. lt. snow. Coating of ice on exposed objects.
28	8	29.120	−20.1	17.3	−20.1	SW	8	5	StCu SSE	0	
28	14	29.128	−36.3			SW	7	0		0	
28	21:30	29.101	−38.9	−20.1	−43.0	W	4	0		0	
29	8:45	28.997	−50.1		−51.0	SW	3	0		0	
29	15:15	28.916	−53.7			SW	3	0		0	
29	21:30	28.834	−55.0		−55.8	W	8	0		0	
30	9	28.693	−56.0		−57.9	W	7	Few	ASt	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m.p.h.*	*0-10*	*From*		
July 30	14	28.627	−53.2	--------	--------	SW	7	0	--------	0	
30	21:30	28.581	−53.0	--------	−56.0	S	4	0	--------	0	Lt., shallow fog since 13h.
31	28	28.560	−59.2	--------	−60.0	S	3	Few	St N	0	
31	14	28.566	−46.8	--------	--------	S	4	9	St	0	
31	20	28.534	−36.0	−36.0	−59.7	SW	6	10	St E	0	
Aug. 1	8	28.358	−32.0	--------	−36.2	SW	8	0	--------	0	Lt., shallow fog from D. A. until 10h.
1	14	28.248	−41.5	--------	--------	W	13	1	ASt E	0	Few CiSt or ASt appeared in E at 11h. Lt., shallow fog since 13h.
1	22	28.212	−38.3	--------	−43.0	SW	6	10	St	0	Vy. fine, lt. snow since 18h. Lt., shallow fog.
2	8:30	28.334	−29.2	--------	−38.3	E	13	Few	ASt ENE	0	Lt., shallow fog until 9h. Snow E. D. A.
2	14	28.354	−27.0	--------	--------	S	6	10	St (E?)	0	
2	20	28.403	−1.8	−0.2	−30.0	E	16	10	St (NE?)	Lt.	Deposit of rime on exposed objects.
3	8	28.752	−4.7	−1.0	−12.7	SW	3	10	St E	0	
3	14	28.831	−15.8	--------	--------	SE	8	9	St S	0	Sky cleared at 16:30h.
3	20	28.875	−25.0	--------	−26.0	SW	3	0	--------	0	
4	9	28.790	−13.0	−13.0	−30.0	SW	6	10	ASt	0	Sky clear at 6h; clouded up suddenly before 9h.
4	14	28.738	−19.0	--------	--------	S	6	10	St	0	
4	20	28.737	−22.8	−12.0	−22.8	S	6	0	--------	0	Sky cleared at 18h.
5	8	28.867	−2.7	−2.7	−22.8	E	17	10	St (NE?)	Lt.	
5	13:15	28.930	−7.1	--------	--------	E	17	8	ASt NNE	Lt.	
5	21:30	28.961	−21.9	−1.9	−24.1	E	17	0	--------	Lt.	
6	8	28.969	−26.8	--------	−30.1	W	10	10	ASt	0	
6	14	28.896	−27.0	--------	--------	W	10	10	ASt SSE	0	
6	20	28.861	−33.9	--------	−34.0	SW	7	0	--------	0	Lt. shower of ice crystals at 15:30h.
7	8	28.736	−55.0	−33.9	−55.0	S	4	Few	ASt S	0	
7	14	28.719	−55.9	--------	--------	S	5	0	--------	0	
7	21	28.728	−54.6	--------	−57.8	SW	3	0	--------	0	
8	8	28.813	−40.9	--------	−59.0	E	9	10	St NNW	0	Lt. fog B. D. A.
8	13:30	28.864	−28.8	--------	--------	E	13	10	StCu	0	Lt. fog until 17h.
8	20	28.923	−27.0	--------	−40.9	E	9	10	St ESE	0	Lt. snow B. 18h.
9	8:25	28.924	−12.0	−12.0	−38.1	S	6	10	St (NE?)	0	Lt. snow.
9	14	28.934	−13.3	--------	--------	S	11	10	St NE	0	Lt. snow until 9h.
9	20	28.969	−22.1	−8.9	−23.6	S	7	0	--------	0	Ice crystals falling since 19h. Stars faint.
10	8:30	28.942	−22.7	−19.9	−24.3	S	4	8	ASt NE	0	
10	13:30	28.908	−29.1	--------	--------	S	4	10	ASt	0	
10	20	28.862	−25.0	--------	−32.0	W	4	0	--------	0	Sky clear at 17h.
11	8	28.738	−27.3	−13.9	−37.0	SW	13	1	StCu	0	
11	14	28.610	−33.0	--------	--------	SW	9	0	--------	0	
11	20	28.497	−46.5	−24.0	−46.5	S	7	0	--------	0	Hvy. shower of ice crystals at 22h. causing poor vis.
12	8	28.529	−41.3	--------	−47.2	W	7	10	ASt SE	0	
12	14	28.504	−51.4	--------	--------	W	6	2	Ci	0	
12	20	28.451	−53.0	--------	−53.0	W	11	0	--------	0	Ice crystals falling.
13	8:30	28.443	−44.0	--------	−53.2	W	9	0	--------	0	
13	14	28.517	−41.0	--------	--------	W	11	0	--------	0	Cloudy from 10h to 11h.
13	21:30	28.648	−36.6	--------	−44.0	W	5	10	St SW	0	Vy. lt. snow since 19:30h.
14	8:30	28.823	−40.0	--------	−43.0	W	11	9	St	0	
14	14	28.910	−24.2	--------	--------	W	11	10	St	0	Lt. snow since 13h.
14	20	28.990	−27.2	−20.0	−40.0	W	8	10	St WNW	0	Lt. snow.
15	8	29.176	−33.1	--------	−37.7	S	6	10	St	0	Snow ended D. A. Fall estimated at ½ inch.
15	14	29.165	−26.1	--------	--------	E	13	10	ASt WNW	0	
15	21:15	28.976	−16.4	−16.4	−35.1	SE	29	10	St	Lt.	Snowing since 18h.
16	8	28.586	−3.7	−3.7	−16.4	S	27	10	St	Lt.	Snow continues.
16	13	28.465	−7.8	--------	--------	E	24	10	St	Lt.	Snowing until 17h.
16	20	28.321	−12.8	−3.7	−12.8	S	7	10	St ENE	0	
17	8	28.450	−21.0	−6.8	−21.0	SW	16	10	St	0	
17	13:30	28.560	−22.2	--------	--------	W	13	10	St	0	
17	20	28.612	−37.0	--------	−37.0	W	13	0	--------	0	
18	8	28.750	−49.0	--------	--------	W	7	3	St	0	
18	13:30	28.844	−52.1	--------	--------	NW	5	Few	St	0	
18	19:05	28.836	−36.2	−36.2	−55.0	NE	13	1	ASt NW	0	Hvy. shower of ice crystals since 18h.
19	8	28.744	−36.1	--------	−37.2	E	16	9	St	Lt.	
19	14	28.591	−36.2	--------	--------	E	17	8	CiSt	Lt.	
19	20:30	28.448	−44.0	--------	−44.0	SW	4	Few	Ci	0	Ice crystals falling.
20	8	28.353	−59.4	--------	−61.1	SW	3	Few	ASt (WNW?)	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Aug. 20	14	28.361	−49.2			SW	5	0		0	
20	20:30	28.410	−52.8		−62.3	W	6	0		0	Ice crystals falling.
21	8:30	28.553	−65.0		−66.2	W	3	Few	Ci (NW?)	0	
21	14	28.658	−65.0			W	4	0		0	
21	20	28.752	−70.1		−70.9	W	5	0		0	Ice crystals falling since 17h.
22	9	28.874	−46.0		−70.1	E	11	9	StCu	0	Sky clearing at 10h.
22	14	28.880	−51.0			E	12			Lt.	
22	20	28.850	−57.0		−57.0	S	6			0	
23	9	28.739	−58.2		−65.3		0	10	ASt	0	
23	14	28.705	−50.0			SW	4	10	5 CiSt, 5 ASt	0	Vy. fine snow or ice crystals falling since 13:30h.
23	20	28.697	−47.1		−58.2	SW	2	10	CiSt	0	Vy. fine snow or ice crystals falling; 22° lunar halo.
24	8	28.720	−62.1		−62.1	SW	2	5	ASt	0	
24	14	28.754	−58.0			E	9	8	Ci	0	
24	19:30	28.771	−55.6		−64.0	E	6	0		0	Ice crystals falling since 16h.
25	8	28.725	−54.2		−64.7	SW	4	10	St	0	Lt., shallow fog.
25	14	28.628	−45.7			SW	9	10	ASt (SSE?)	0	
25	21	28.525	−60.0		−60.0	SW	4	0		0	
26	9	28.362	−40.9		−60.0	SW	11	3	ASt	0	
26	13:15	28.325	−47.0			SW	13	10	ASt	0	
26	19:15	28.213	−50.3		−53.0	SW	11	0		0	Hvy. shower of ice crystals falling.
27	8	27.933	−62.0		−62.0	W	9	0		0	
27	14	28.075	−66.8			E	3	Few	ASt (W?)	0	
27	20	28.245	−47.4		−68.0	E	16	0		Lt.	
28	8	28.769	−18.1	−17.0	−49.8	NE	29	10	ASt	Lt.	
28	14	28.972	−19.9			NE	24	8	ASt	Lt.	
28	20	29.096	−40.0		−41.0	E	14	0		0	Ice crystals falling.
29	8	29.167	−42.0		−47.0	E	5	9	ASt	0	
29	13:30	29.200	−44.3			SE	4	7	ASt (ESE?)	0	Lt. snow.
29	21:15	29.196	−45.8		−47.3	S	3	0		0	Ice crystals falling.
30	8	29.084	−62.5		−62.5	S	3	0		0	
30	14	29.023	−62.2			S	2	0		0	
30	20	28.977	−68.2		−68.2	S	3	0		0	Shower of ice crystals since 18h.
31	8	28.822	−64.0		−71.3	S	3	0			Lt. fog since D. A.
31	14	28.789	−57.0			SW	11	0			Lt. fog.
Sept. 1	20	28.758	−47.2		−65.0	W	13	0			Do.
1	9	28.653	−38.4		−49.8	S	8	10	ASt ENE	0	
1	14	28.612	−36.3			S	12	10	ASt	0	
2	20	28.557	−37.0		−40.2	S	10	0		0	
2	8	28.406	−22.7	−22.7	−45.1	E	13	10	St (NNE?)	0	
2	14	28.376	−29.7			E	18	4	CiSt	Lt.	
3	19:15	28.267	−9.7	−9.7	−30.8	SE	17	0		Lt.	
3	7:30	28.022	−33.2	−3.0	−33.7	S	9	2	1 ACu, 1 StCu	0	
3	14	28.043	−33.0			SE	8	3	1 ASt, 1 ACu, 1 Ci, Few St	0	
3	20	27.967	−35.1		−39.0	SW	13	0		0	Hvy. shower of ice crystals falling.
4	8	28.097	−40.1		−44.7	W	10	10	St	0	
4	14	28.260	−8.1			N	24	10	St NE	Lt.	Sky cleared from 11h to 12:30h. Shower of ice crystals and parhelia from 12h to 12:30h.
4	19:15	28.337	1.0	2.4	−40.1	N	27	10	St	Lt.	Lt. snow since 16h.
5	8	28.591	−11.0	1.0	−11.0	E	13	10	St NE	0	Snow ended D. A.
5	14	28.683	−14.9			E	9	10	St NE	0	
5	20	28.801	−19.0	−11.0	−20.9	SW	5	0		0	
6	8	28.978	−24.7	−19.0	−27.1	S	8	10	St	0	
6	13:40	29.021	−38.8			W	6	5	Few ASt, 5 St SW	0	St vy. thin.
6	20:30	28.961	−42.8		−49.0	N	3	2	St WNW	0	
7	8	28.944	−47.1		−50.3	W	5	0		0	
7	14	28.950	−52.0			SW	8	0		0	
7	20	28.917	−59.8		−59.8	W	3	0		0	Lt. shower of ice crystals falling.
8	8	28.815	−64.5		−64.5	S	4	Few	Ci	0	
8	14	28.888	−57.0			W	5	Few	ACu (WSW?)	0	
8	22:30	28.949	−63.0		−64.3	NW	2	0		0	Lt. shower of ice crystals falling.
9	8:30	28.803	−40.2		−64.9	E	18	10	St	Lt.	
9	14	28.622	−19.7			SE	17	10	St	0	
9	19:30	28.503	−33.0	−13.0	−40.2	S	17	10	St	Lt.	
10	8	28.820	−47.3		−48.0	SW	16	10	ASt	0	
10	14	29.029	−49.0			SW	8	4	ASt WNW	0	
10	20	29.146	−58.0		−58.0	W	2	0		0	
11	8	29.184	−40.9		−62.5	E	16	7	CiSt	0	
11	14:15	29.163	−47.5			SE	4	3	CiSt	0	Ice crystals falling.
11	19:30	29.124	−57.0		−57.0	S	6	0		0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		
Sept. 12	8	29.111	−52.0	--------	−58.8	S	4	3	CiSt NW	0	
12	14	29.091	−52.5	--------	--------	S	6	Few	Ci	0	
12	20	29.052	−58.5	--------	−58.5	S	2	Few	Ci NW	0	Lt. shower of ice crystals falling.
13	8:30	28.800	−61.0	--------	−63.8	S	3	0	--------	0	
13	14:30	28.695	−58.2	--------	--------	S	3	0	--------	0	
13	20	28.636	−64.2	--------	−64.2	S	3	0	--------	0	Lt. shower of ice crystals falling and continuing throughout night.
14	8	28.530	−64.0	--------	−67.0	S	4	Few	St N	0	
14	14	28.545	−63.0	--------	--------	S	8	0	--------	0	
14	20	28.595	−55.0	--------	−64.0	E	11	0	--------	0	
15	8	28.753	−26.0	--------	−56.3	E	24	10	St	Lt.	
15	14	28.864	−21.0	--------	--------	E	20	10	St	Lt.	
15	19:30	29.012	−23.9	−13.8	−26.0	E	24	0	--------	Lt.	
16	8	29.192	−30.9	--------	−30.9	E	14	8	St NE	0	
16	13:40	29.186	−41.0	--------	--------	SE	4	2	Ci	0	
16	20	29.045	−55.0	−30.9	−55.0	S	6	0	--------	0	Ice crystals falling during most of day.
17	8	28.675	−56.2	--------	−58.5	S	6	0	--------	0	
17	20	28.741	−64.8	--------	−64.8	W	3	Few	ASt	0	
18	8	28.845	−45.0	--------	−66.3	NE	5	Few	StCu	0	
18	13:30	28.841	−40.1	--------	--------	E	4	0	--------	0	
18	20	28.831	−37.0	--------	−49.3	E	13	9	StCu NW	0	Lunar corona.
19	8	28.801	−29.8	--------	−40.0	E	13	10	St	0	
19	13	28.837	−25.3	--------	--------	NE	14	10	St	0	
19	19:30	28.829	−32.6	--------	−34.7	E	22	10	St	Lt.	
20	8	28.702	−19.0	−19.0	−32.6	E	38	8	StCu (NE?)	Mod.	
20	13	28.716	−12.8	--------	--------	E	34	10	St (NE?)	Mod.	
20	20	28.780	−13.0	--------	--------	E	34	10	St	Mod.	
21	8	28.991	4.5	4.5	--------	E	24	10	St	Lt.	Hvy. snow B. D. A.
21	14	29.160	10.0	--------	--------	NE	18	10	St	0	Snow ended 16h.
21	19:15	29.335	−8.9	10.0	−8.9	E	15	8	StCu NE	0	
22	8	29.558	−25.0	−8.9	−27.0	S	3	0	--------	0	Lt. shower of ice crystals at 10h.
22	13	29.556	−23.7	--------	--------		0	Few	Ci, ASt N	0	
22	20	29.453	−13.2	−13.2	−27.0	W	9	10	St	0	Lt. fog since 18h.
23	8:30	28.997	−4.0	−4.0	−13.2	E	11	10	St	0	Lt. fog. Lt. deposit of rime on E side of exposed objects this morning.
23	14:30	28.809	−2.0	--------	--------	E	11	10	St	0	Lt. fog. Lt. snow since 13:30h.
23	20	28.684	3.9	6.0	−4.0	N	13	10	St	0	Lt. fog.
24	8	28.696	−25.6	3.9	−25.6	SW	13	10	5 CiSt, 5 St	0	
24	14	28.835	−32.2	--------	--------	SW	8	10	St SSE	0	Lt. snow since 13:30h. Intermittent snow during the day.
24	20	28.967	−38.4	--------	−38.4	W	3	Few	Ci	0	Vy. fine, lt. snow or ice crystals falling.
25	8:30	28.920	−32.0	--------	−51.0	W	5	10	St	0	
25	14	28.856	−32.0	--------	--------	SW	9	10	St	0	Lt. snow.
25	20	28.786	−21.9	--------	−33.0	S	11	10	St	0	Do.
26	8	28.710	−30.0	−18.0	−30.0	SW	16	6	3 Ci, 3 CiSt	Lt.	
26	14	28.737	−24.8	--------	--------	S	9	10	ASt	0	
26	20	28.836	−35.8	--------	−36.8	SW	9	Few	ASt	0	
27	8	28.958	−30.2	--------	−38.4	W	9	Few	St SSW	0	
27	14	29.055	−29.0	--------	--------	S	8	Few	CiSt (?), St SW	0	
27	20	29.113	−40.0	--------	−40.0	W	3	10	St W	0	Shower of ice crystals falling.
28	8	28.985	−24.0	−2.0	−40.0	NE	5	9	St	0	
28	14	28.954	−32.8	--------	--------	W	13	4	1 CiSt, 3 St W	0	Sky cleared suddenly at 11h.
28	20	29.017	−30.0	−14.8	−33.1	SW	12	10	St SW	0	
29	8	29.008	−25.0	−25.0	−37.3	SW	8	10	St	0	
29	14	29.062	−33.0	--------	--------	SW	3	0	--------	0	Lt. fog. Fog bow opposite the sun at 13:45h. Lt. fog ended 15h.
29	20	29.098	−47.0	--------	−47.0	W	2	Few	CiSt	0	
30	8	29.025	−12.0	−12.0	−50.3	E	9	10	ASt WNW	0	The layer of E wind this morning was less than 60 feet thick, the wind generator pointing westerly.
30	13:30	28.956	3.0	--------	--------	N	18	9	ASt NW	Lt.	
30	20	28.853	2.2	7.6	−12.0	NW	16	10	St	Lt.	Lt. snow since 17h.
Oct. 1	8:30	28.998	−30.9	2.2	−34.7	SW	18	0	--------	Lt.	
1	14	29.084	−31.9	--------	--------	S	11	Few	Ci	0	Horizon hazy during forenoon; vis. much improved now.
1	20	29.108	−42.9	--------	−43.8	S	3	Few	Ci	0	
2	9	29.085	−40.1	--------	−45.2	SE	4	Few	Ci NW	0	
2	13	29.070	−32.6	--------	--------	S	3	6	Ci NW	0	Shower of ice crystals and halo during afternoon.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Oct. 2	20	29.057	−37.1	--------	−41.0	S	4	Few	ASt W	0	
3	8	28.935	−27.0	--------	−41.8	E	13	7	CiSt NW	0	
3	14	28.861	−23.4	--------	--------	SE	5	10	CiSt NW	0	
4	8	28.557	−6.1	--------	−27.0	E	24	10	St	Lt.	Lt. snow since D. A.
4	14	28.430	−0.9	--------	--------	E	24	10	St	Lt.	Lt. snow.
4	20	28.352	−2.7	3.0	−6.3	E	18	10	St	Lt.	Do.
5	8	28.250	0.6	0.6	−6.1	E	19	10	St	Lt.	Lt. snow ended 11h.
5	13:45	28.092	6.4	--------	--------	SE	18	10	St E	Lt.	
5	20	27.804	14.1	14.1	0.6	E	24	10	St E	Lt.	
6	8	27.978	−12.0	17.0	−12.0	SW	14	10	St (SW?)	0	Snow ended D. A. 22° halo at 10h.
6	14	28.289	−20.3	--------	--------	W	8	8	Ci N	0	Hvy. shower of ice crystals, 22° halo and parhelia since 13:15h.
6	20	28.536	−16.3	−12.0	−23.4	N	9	10	St N	0	
7	8	28.776	−3.0	−2.6	−16.3	E	12	10	9 St N, 1 StCu N	0	
7	14	28.824	1.3	--------	--------	NE	24	10	CiSt N	Lt.	22° halo at 13h.
7	20	28.886	−1.8	3.3	−4.7	E	20	10	ASt	Vy.Lt	
8	8	28.486	9.0	10.0	−5.0	E	43	10	(St?)	Hvy.	
8	14	28.459	11.6	--------	--------	NE	35	10	(St?)	Hvy.	
8	20	28.448	10.8	12.0	9.0	N	34	10	St	Hvy.	
9	8	28.575	6.0	11.7	0.2	NW	11	10	St	0	Lt. snow from D. A. to 10h. Ltl fog until 13h.
9	14	28.618	5.9	--------	--------	N	14	10	St	0	
9	20	28.669	1.8	7.0	1.8	NW	5	10	St (NW?)	0	
10	8	28.807	1.0	1.8	−3.8	N	9	10	St	0	
10	14	28.822	2.6	--------	--------	E	13	10	St	0	
10	19:15	28.801	4.2	4.2	1.0	E	18	10	St	Lt.	Snowing since 19h.
11	8	28.630	6.3	8.0	4.0	E	18	10	St E	Lt.	Snow ended D. A.
11	14	28.580	3.4	--------	--------	E	15	10	ASt ENE	0	
11	20	28.567	−7.3	6.3	−7.3	E	2	10	ASt ENE	0	
12	8:20	28.550	−12.3	−7.0	−22.2	S	3	9	2 Ci N, 7 CiSt N	0	Vis. 30 miles.
12	14	28.530	−12.0	--------	--------	NE	9	5	Ci N	0	Parhelia.
12	20	28.499	−20.0	−9.0	−20.0	S	4	Few	ASt, St	0	
13	8	28.396	−18.3	−18.3	−30.0	S	3	8	CiSt	0	Lt. fog. 22° halo.
13	14	28.364	−5.6	--------	--------	E	18	10	St ENE	Lt.	Lt. snow since 9h. Lt. fog.
13	20	28.406	−6.0	−4.2	−19.0	E	14	10	St NE	0	Lt. snow. Lt. fog.
14	8	28.478	1.8	4.0	−8.5	N	9	10	St NNE	0	Vy. lt. snow.
14	14	28.453	3.9	--------	--------	E	11	10	St NNE	0	Snowing. Lt. fog.
15	20	28.429	3.0	5.0	1.4	NE	13	9	St N	0	Snowing.
15	8:15	28.434	1.0	3.3	−0.6	E	8	10	St	0	Lt. snow. Lt. fog.
15	14	28.458	3.4	--------	--------	NW	5	10	St	0	Do.
16	20	28.462	0.0	4.2	0	E	6	10	St NNW	0	Lt. snow. About 1 inch of new snow on surface today.
16	8	28.523	2.0	3.0	−4.3	NW	11	10	St NW	0	Lt. snow until 12h.
16	13:45	28.570	1.0	--------	--------	NW	11	4	2 ACu NW, 2 ASt NW.	0	
17	20	28.585	−10.2	4.0	−11.0	N	13	9	StCu NW	0	
17	8:15	28.599	−11.8	−5.0	−19.2	E	14	4	StCu NW	0	
17	13:30	28.608	−11.9	--------	--------	E	19	10	StCu NW	Lt.	
18	20	28.592	−13.0	--------	−14.8	E	20	10	St	Lt.	Mod. fog.
18	8	28.650	−16.3	−13.0	−18.5	E	9	10	St NE	0	
18	13:45	28.688	−12.3	--------	--------	E	5	9	St NE	0	Lt. snow from 11h to 15 h.
19	19	28.780	−28.7	−9.0	−28.7	S	6	Few	St SSW	0	Ice crystals falling.
19	8	28.922	−28.1	--------	−41.8	S	3	10	StCu SSE	0	
19	14:25	28.932	−19.0	--------	--------	E	3	Few	St. SE	0	
20	20:30	28.912	−29.0	--------	−30.0	E	16	Few	St SE	Lt.	
20	8:20	28.658	−14.0	−12.6	−35.8	S	11	9	StCu NNE	0	
20	14	28.515	−15.0	--------	--------	SE	29	4	Ci SE	Mod.	Partial 22° halo.
21	20	28.386	−26.3	−12.0	−26.3	S	13	2	1 Ci SE, 1 St SE	0	
21	8:45	28.184	−29.8	--------	−34.2	SW	22	10	CiSt	Mod.	
21	14	28.210	−26.4	--------	--------	SW	20	10	CiSt	Lt.	22° solar halo.
22	20	28.317	−25.8	--------	−29.8	SW	15	8	4 CiSt SE, 4 ASt S	0	
22	8	28.550	−18.8	−18.8	−28.2	W	19	3	Ci SE	0	Hvy. shower of ice crystals falling.
22	14	28.774	−16.0	--------	--------	W	16	1	1 Ci (SW?), Few ASt SW.	0	Hvy. shower of ice crystals falling; 22° halo.
23	20	28.902	−24.8	−16.0	−24.8	W	15	0	--------	0	
23	8	28.897	−26.2	--------	−38.3	S	3	1	1 Ci (NW?), Few St W.	0	22° halo at 10h.
23	14	28.879	−25.9	--------	--------	SE	4	10	10 CiSt (WNW?), Few St W.	0	
24	20	28.877	−21.0	--------	−30.8	E	16	10	St SW	0	
24	8	28.774	−12.1	−12.1	−22.0	E	17	10	St NE	0	Lt. snow B. D. A. Lt. fog.
24	13:30	28.704	−5.0	--------	--------	E	16	10	St NE	Lt.	Lt. snow. Lt. fog until 16h.
	19	28.640	−6.1	−5.0	−12.1	E	16	10	St NE	0	Lt. snow.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		
Oct. 25	8	28.624	−5.7	−5.7	−8.5	SE	8	9	8 Ci, 1 CiSt	0	Ice crystals falling; 22° solar halo. 46° and 22° haloes at 11h.
25	14:30	28.657	−13.2			SE	7	7	1 CiCu, 6 Ci	0	Ice crystals falling; faint iridescence in CiCu.
25	20	28.671	−25.0	−6.2	−25.9	SW	13	8	StCu NW	0	
26	8	28.748	−30.0		−35.2	SW	11	0		0	Hvy. shower of ice crystals at 9 h. which continued most of day.
26	13:30	28.790	−22.0			SW	7	Few	ASt W	0	
26	20	28.817	−35.9	−22.0	−35.9	W	4	1	StCu W	0	Parhelia at 22h.
27	8:30	29.032	−32.0		−38.0	W	15	0		0	
27	14	29.200	−28.2			SW	13	0		0	
27	20:30	29.275	−35.1		−35.1	W	2	0		0	
28	8	29.074	−21.9	−21.9	−42.3	E	27	10	ASt	Mod.	
28	14:45	28.768	−11.0			E	45	10	ASt	Hvy.	
28	20:30	28.577	−7.2	−6.5	−21.9	SE	42	10	ASt	Hvy.	
29	8	28.642	−16.9	1.0	−16.9	S	20	8	Ci	Lt.	22° halo.
29	14	28.715	−16.8			S	18	2	Ci	Lt.	
29	20	28.787	−26.0		−26.0	S	20	8	Ci (WNW?)	Lt.	
30	8	28.830	−21.5		−31.9	E	5	4	2 Ci W, 2 ASt W	0	
30	14	28.806	−15.0			E	10	6	3 Ci W, 3 ASt W, Few St (0?).	0	
30	20	28.762	−24.5		−24.5	E	6	2	ASt W	0	
31	8	28.572	−10.4	−10.4	−32.9	E	22	8	Ci	0	
31	14	28.527	−7.1			SE	20	8	Ci	0	
31	20	28.522	−13.5	−6.3	−13.5	SE	13	9	CiSt (W?)	0	
Nov. 1	8	28.561	−26.9	−13.5	−31.0	S	9	1	CiSt W	0	
1	14	28.548	−20.1			S	10	5	Ci W	0	
1	20	28.581	−30.1	−18.3	−30.1	S	9	7	CiSt (NW?)	0	
2	8	28.670	−21.8	−20.0	−35.4	E	6	Few	ASt N	0	
2	14	28.728	−14.8			E	7	3	ACu NW	0	
2	20	28.768	−15.7	−14.8	−21.8	E	13	7	6 ACu N, 1 StCu N	0	Few flakes of snow at 20:10h.
3	8:15	28.838	−1.2	−1.2	−17.1	E	20	10	St	Lt.	Lt. fog.
3	14	28.865	2.1			E	24	10	2 ACu NE, 6 ASt NE, 2 St ENE.	Lt.	Vy. lt. snow. Lt. fog.
3	20:30	28.875	0.3	2.8	−1.2	E	22	10	St ENE	Lt.	Do.
4	8	28.864	−3.9	0.3	−8.6	E	18	10	ASt N	Lt.	Vy. lt. snow. Lt. fog ended D. A.
4	13:30	28.841	−2.0			E	18	10	St N	Lt.	Lt. snow. Lt. fog since 11h.
4	20	28.832	−2.0	−1.2	−5.2	E	15	10	St NNE	0	Vy. lt. snow.
5	8	28.816	5.0	5.0	−2.6	S	4	10	St S	0	Do.
5	14	28.837	6.6			E	8	10	St WSW	0	Vy. lt. snow until 16h.
5	19	28.864	−2.0	11.1	−2.0	S	8	5	StCu WSW	0	Lt. fog and poor vis. at 21h.
6	8	28.912	−9.3	−2.0	−11.3	S	5	10	St SSE	0	Vy. lt. snow. Lt. fog.
6	13:30	28.905	−5.8			S	4	10	St	0	Lt. fog ended and sky clearing at 18h.
6	19:45	28.924	−18.0	−5.0	−18.0	S	5	0		0	
7	8	28.883	−16.7	−16.7	−31.8	SW	5	10	St (NW?)	0	Lt. fog from D. A. to 13:30h. Lt. deposit of rime this morning.
7	13:30	28.827	−16.0			W	3	10	St NW	0	
7	21	28.760	−18.5	−12.8	−18.5	S	8	10	St (NW?)	0	
8	8	28.710	−14.1	−14.1	−18.8	S	6	10	St S	0	Lt. fog. Lt. deposit of rime this morning on windward side of exposed objects.
8	13:45	28.714	−12.8			SW	7	10	St SW	0	Lt. fog until 18h.
8	20	28.762	−10.8	−10.4	−14.3	SW	8	10	St SW	0	
9	8	28.989	−10.7	−8.0	−15.0	W	3	10	St NNW	0	
9	14	29.034	2.0			W	2	10	St (NW?)	0	Few flakes of snow during afternoon.
9	19:45	29.060	−8.5	3.5	−11.0	W	11	9	St NW	0	
10	8:30	28.972	−8.3	−7.0	−18.4	S	12	8	StCu SSW	0	
10	14	28.938	−7.7			SE	9	1	St SSE	0	
10	21	28.838	−13.8	−4.0	−13.8	SW	16	Few	St SW	0	Hvy. shower of ice crystals at 17h; also 22° halo, parhelia, and circumzenithal arc.
11	8	28.570	−16.9	−13.8	−23.7	SW	15	0		0	Hvy. shower of ice crystals falling.
11	14	28.532	−12.0			SW	16	0		0	
11	21	28.505	−10.0	−9.0	−16.9	SW	11	Few	St SW	0	
12	8	28.383	−5.0	−3.9	−18.7	E	3	Few	StCu WSW	0	Low clouds and water sky along N horizon all morning. High clouds coming in from NW at 12:30h producing solar corona and iridescence. Sudden low overcast from NW at 14:30h.
12	15	28.287	1.9			E	7	10	St WNW	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Nov. 12	19	28.262	2.1	5.0	−8.1	NE	10	10	St NE	0	Vy. lt. snow from 15:30h to 19h.
13	9	28.224	7.2	9.8	1.9	S	4	10	St N	0	Lt. snow.
13	14	28.241	7.0			S	5	10	St N	0	Do.
13	20	28.307	1.9	12.2	1.9	E	16	10	St NE	0	Do.
14	8:30	28.638	0	7.0	−0.4	E	14	Few	StCu ENE	0	
14	13	28.687	10.0			SW	4	10	StCu SSE	0	
14	21	28.736	−2.3	11.1	−2.3	SW	6	6	5 ASt SE, 1 St SW	0	
15	8	28.707	−9.0	−2.3	−13.0	S	7	Few	ASt SE	0	Sky cleared at 1h or 2h.
15	14	28.658	−4.1			SW	10	0		0	
15	20	28.582	−11.0	−2.5	−11.6	SE	7	0		0	
16	8	28.441	−10.0	−9.0	−21.2	SW	13	0		0	Ice crystals falling at 9h.
16	14	28.400	−6.5			S	11	0		0	
16	20	28.362	−10.5	−5.9	−11.0	S	15	0		0	A fine clear day.
17	8	28.443	−8.0	−5.2	−22.8	E	3	Few	ASt SE	0	Increasing cloudiness during the morning.
17	13:30	28.492	−4.9			E	11	9	9 ASt S, Few StCu NNW.	0	22° solar halo at 13h.
17	20	28.564	−2.0	−1.0	−10.0	E	19	10	St (NE?)	0	
18	8	28.638	1.1	3.0	−2.0	S	5	0		0	Ice crystals falling during morning.
18	14:15	28.571	0.0			S	7	Few	St S	0	3 Ci SE at 17h.
18	20	28.521	−7.0	2.0	−7.0	SW	6	1	Few Ci ESE, 1 CiSt ESE.	0	
19	8	28.530	−4.0	−4.0	−14.0	E	7	Few	Ci SE, CiSt SE, ASt ESE.	0	Partial 22° solar halo at 10h.
19	14:20	28.538	2.3			E	9	8	5 Ci SE, 3 CiSt SE	0	
19	21	28.563	7.2	9.0	−4.0	E	4	9	8 St NE, 1 StCu NE	0	
20	8	28.774	8.2	10.9	6.0	E	17	10	St NE	0	
20	14	28.885	9.8			E	16	10	St NE	0	
20	20	28.968	4.0	9.9	4.0	E	24	10	1 StCu NE, 9 St NE	Mod.	
21	8	29.016	5.3	5.3	0.0	E	18	1	ASt ESE	Lt.	
21	14	28.985	8.1			E	16	Few	Cu E	0	
21	21	28.933	0.1	8.1	.1	S	6	Few	ASt E	0	
22	7:30	28.818	−0.2	.8	−11.2	S	7	Few	ASt ESE	0	
22	13	28.761	7.1			S	13	10	StCu SSW	0	
22	20	28.723	6.1	9.1	−0.2	S	7	10	St S	0	
23	8	28.775	.8	6.8	−4.0	SW	7	Few	Ci ESE, ASt SSE	0	
23	13:40	28.776	4.0			S	9	Few	Ci ESE, ASt S	0	
23	20	28.732	−1.8	6.0	−1.8	S	8	1	1 CiSt SE, Few Ci SE.	0	
24	11	28.575	1.0	1.0	−10.0	SW	7	Few	StCu WSW	0	
24	14	28.573	1.0			W	6	Few	StCu WSW	0	
24	20	28.565	0.5	2.3	−0.3	NE	9	10	StCu WNW	0	Lt. snow since 19h.
25	8	28.618	17.0	17.0	0.5	NW	18	10	St N	0	Lt. snow continues.
25	14	28.768	21.0			NW	27	10	Nb N	Mod.	Hvy. snow.
25	20	28.838	18.8	21.7	16.0	N	29	10	Nb N	Mod.	Snowing
26	8	28.978	18.0	19.2	17.0	N	24	10	St N	Lt.	Lt. snow.
26	13:45	28.996	20.0			N	20	10	St N	Lt.	Lt. snow. Lt. fog.
26	20:30	29.013	16.6	21.0	16.2	N	12	9	StCu NNE	0	Surface now covered with soft, loose, moist snow. Few large towering Cu in E at 19h.
27	8	29.067	15.8	16.8	11.5	N	13	2	1 Ci NW, 1 StCu NNW.	0	Snow flurries at intervals during the morning.
27	14	29.055	20.9			N	10	10	5 ACu N, 2 ASt N, 3 StCu N.	0	
27	20	29.006	14.1	22.7	14.1	E	18	10	2 ASt WNW, 8 St NE.	Lt.	Lt. snow since 15h continuing during night.
28	8	28.916	13.2	14.8	11.0	E	23	9	5 Ci NE, 4 CiSt NE	Lt.	
28	14	28.896	13.8			E	22	8	3 Ci NE, 3 ASt NE, 2 St E.	Lt.	
28	20	28.895	9.3	14.3	8.7	E	26	9	ASt NE	Lt.	
29	8	28.953	11.0	11.5	8.0	SE	13	7	3 Ci E, 4 CiSt E	0	22° solar halo.
29	14	28.941	10.5			SE	7	10	ASt E	0	
29	20:20	28.914	8.0	14.0	6.0	SE	14	9	3 CiSt E, 6 ASt ENE.	0	Partial 22° halo at 20h.
30	8	28.856	10.8	10.6	7.3	E	25	10	St E	Lt.	
30	14	28.842	16.0			SE	19	9	ASt NE	0	
Dec. 1	19	28.833	15.8	17.0	10.0	SE	17	9	3 ASt NE, 6 St E	0	
1	8	28.864	21.0	21.4	12.0	NE	11	9	StCu NE	0	
1	14	28.909	24.0			E	14	8	7 ASt NE, Few Cu ENE, 1 StCu ENE.	0	Lt. snow until 12h.
1	20	29.001	17.9	26.0	17.9	N	11	10	St NE	0	
2	8	29.073	16.8	19.7	2.8	E	6	9	2 ASt ENE, 7 ACu ENE.	0	
2	14	29.063	20.2			E	8	7	7 ACu E, Few Cu ESE.	0	

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		
Dec. 2	20	29.051	17.7	21.0	16.8	S	6	10	St SE	0	
3	8	29.032	11.9	18.2	10.2	SW	8	7	ASt NE	0	Lt. snow D. A. Hvy. shower of ice crystals; 22° halo, parhelia and parhelic circle.
3	14:30	28.993	12.2			SW	8	10	StCu WSW	0	
3	19	28.979	10.9	16.3	10.9	S	6	10	St WSW	0	Few large flakes of snow falling since 16h. Lt. fog B. 21h.
4	8	28.972	14.2	16.2	6.0	E	8	10	St E	0	Lt. snow and fog ended D. A. Vy. lt. formation of rime on E. side of exposed objects.
4	13:15	28.981	18.0			E	8	10	5 StCu ESE, 5 St ESE.	0	Lt. snow B. 14h.
4	20	29.005	15.0	19.1	14.2	SE	9	10	St ESE	0	Snow ended 22h.
5	8:45	29.122	16.6	16.6	4.4	S	6	10	StCu SSW	0	
5	13	29.155	18.0			S	8	10	StCu SW	0	
5	20	29.208	10.8	20.0	10.8	S	8	7	StCu SW	0	
6	8	29.294	15.3	17.6	10.2	N	8	10	St WSW	0	Lt. fog.
6	13:30	29.319	17.4			W	3	10	St W	0	Lt. snow from 10h to 13h.
6	20	29.350	14.9	21.1	14.9	E	6	10	St W	0	
7	8	29.403	12.7	14.9	9.0	SE	3	Few	Ci ESE, St SSE	0	
7	14:15	29.382	13.7			S	17	0		0	
7	20	29.345	6.3	15.2	6.3	S	17	0		0	Vy. hvy. shower of ice crystals. Hazy. Partial 22° halo; sun pillar and parhelia.
8	8	29.277	7.2	7.8	0.8	S	8	Few	StCu S	0	
8	14	29.203	12.0			S	8			0	Corona and some iridescence at 15h and 17h.
8	21	29.144	3.7	13.5	3.7	E	8	Few	St SSE	0	
9	8	29.098	5.8	9.2	−0.8	S	6	10	St SSE	0	Lt. fog D. A.
9	14	29.111	11.4			S	2	1	1 ASt SSE, Few St SE.	0	Lt. snow since 9h; large flakes.
9	20	29.126	7.0	14.8	5.2	SE	3	9	St SE	0	Sky clouded rapidly about 19h. Snow, large flakes B. at 21h.
10	8	29.148	15.3	15.3	7.0	E	16	10	St (E?)	0	Lt. snow and lt. fog until 14h.
10	14	29.167	17.8			E	13	10	St NE	0	
10	20	29.184	13.8	18.3	13.8	E	16	9	StCu E	0	
11	8	29.200	18.2	20.0	3.8	S	3	Few	ASt ESE	0	
11	14	29.214	21.8			SW	4	Few	ASt ESE	0	
11	20	29.224	12.1	25.1	12.1	S	4	Few	Ci SE	0	
12	8	29.268	16.1	16.1	5.4	S	3	9	1 Ci SE, 8 ASt SE	0	
12	14:20	29.258	18.0			S	5	7	2 CiCu SE, 5 ASt SE.	0	
12	20	29.286	17.3	21.8	14.7	S	3	9	ACu SSE	0	
13	8	29.343	13.0	18.8	9.3	E	5	Few	ASt SE, St SE	0	Sky mostly clear at 2h.
13	14	29.352	18.2			S	4	2	StCu SE	0	
13	20	29.354	17.8	24.5	11.9	E	3	3	StCu S	0	
14	8	29.357	16.9	17.8	6.9	S	8	10	St SSW	0	Hvy. shower of ice crystals, almost like a fine snow. Lt. fog.
14	13:45	29.320	19.0			S	11	9	StCu SSW	0	Hvy. shower of ice crystals and lt. fog again from 15h to 18h.
14	20	29.296	9.7	20.7	9.7	SW	9	Few	St SSW	0	Lt. fog and snow B. 21h.
15	8	29.265	10.3	15.3	5.9	S	5	10	St	0	Formation of rime observed this morning. Lt. snow from 9h to 12:30h.
15	14	29.245	10.9			S	9	0		0	Sky cleared suddenly at 12:30h and shower of ice crystals began falling at this time.
15	20	29.266	7.8	12.0	7.8	SW	3	0		0	
16	8:30	29.375	11.2	12.9	−1.3	S	4	10	St W	0	Lt. fog.
16	14	29.395	21.3			NE	9	10	StCu WNW	0	
16	20	29.410	18.0	23.1	11.2	NE	8	2	StCu WNW	0	
17	8	29.400	23.2	27.9	16.2	E	5	9	5 StCu N, 4 St N	0	Hvy. snow flurry with some graupel from 6h to 7h; lt. snow until 8:30h.
17	13:15	29.371	37.0			E	2	10	3 ACu W, 7 ASt W	0	
17	20	29.316	24.4	37.9	23.2	W	3	10	ACu W	0	
18	8	29.221	25.0	25.0	16.2	NE	15	10	St NW	0	Lt. snow since D. A.
18	14	29.196	27.3			N	5	10	St N	0	Lt. snow.
18	20	29.213	25.5	28.1	23.9	N	7	10	St N	0	Do.
19	8	29.241	18.6	26.8	17.5	E	20	10	ASt	Lt.	Do.
19	14	29.239	26.0			NE	16	10	St N	0	Do.
19	20	29.213	23.8	26.8	17.6	E	11	10	St NE	0	Lt. snow. Lt. fog since 17h.
20	8	29.224	25.2	26.2	21.2	NW	7	10	5 StCu NW, 5 St NW.	0	Snow ended D. A.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		
Dec. 20	14	29.255	26.8			N	9	10	St NW	0	Mod. snow since 13:45h.
20	20	29.242	24.5	29.2	23.2	N	7	10	St NW	0	Hvy. snow; large flakes. Estimated snowfall 2 inches.
21	8	29.137	21.6	25.8	8.7	E	24	10	10 CiSt NW, 5 St E.	Lt.	Lt. snow. Lt. fog. Snow probably continued all night, heaviest snowfall so far this year.
21	14	29.064	24.1			SE	19	10	St E	Lt.	Mod. snow. Lt. fog.
21	20	28.954	26.0	27.0	21.0	E	20	10	St. E	Lt.	Do.
22	8:30	28.790	28.7	28.7	24.1	E	17	10	St E	Lt.	Mod. snow. Lt. fog. Snow continued all last night.
22	14	28.793	32.9			NE	7	10	St		Lt. snow. Lt. fog.
22	20	28.842	31.0	37.0	28.7	E	4	10	St WSW	0	Snow and fog ended 20h.
23	8	[1] 29.223	16.5	31.4	16.0	SW	20	Few	Ci SW, ACu SW, ASt SW.	Lt.	Hvy. shower of ice crystals.
23	14	29.335	19.5			SW	15	Few	ASt SW	0	
23	20	29.331	15.0	20.3	15.0	W	6	9	CiSt W	0	
24	8	28.994	16.7	16.7	11.0	SE	9	9	2 CiSt, 7 ASt SSE	0	Partial 22° solar halo.
24	14	28.963	18.5			S	16	6	3 Ci S, 3 ASt S	0	Shower of ice crystals, parhelia at 22° and sun pillar at 18:40h.
24	19:30	28.936	14.0	25.0	14.0	SW	9	Few	ASt SW	0	St overcast at 21h
25	9	28.787	22.4	29.0	11.7	E	7	10	St E	0	
25	14	28.744	23.9			SE	6	10	St E	0	
25	20	28.726	22.8	24.8	22.0	E	13	10	St E	0	
26	9	28.822	23.0	23.0	19.3	SE	20	10	St E	0	
26	19	28.901	20.6	24.0	20.6	E	20	10	St E	Lt.	Mod. snow. Lt. fog. Layer of clear, hard ice on exposed objects.
27	8	28.847	16.5	20.8	12.8	S	7	Few	ASt SE	0	
27	14:15	28.825	20.8			E	16	3	1 ACu SE, 2 ASt SE.	0	
27	20	28.823	15.0	23.0	15.0	SE	7	2	1 ACu SE, 1 ASt SE.	0	
28	8	28.892	20.0	20.0	14.2	E	11	Few	ASt E	0	
28	14:30	28.949	21.6			E	16	Few	ASt ENE, St ENE	0	Few St. on NE horizon at 14h.
28	20	28.995	19.2	24.0	19.2	E	2	Few	ASt E	0	
29	8	29.043	23.2	24.0	13.3	E	13	Few	Ci SE, ASt E	0	
29	13:45	29.030	30.1			S	8	Few	Ci E, ASt ESE	0	
29	20	28.997	20.0	34.2	20.0	S	8	9	CiSt E	0	
30	8	29.056	21.9	21.9	13.8	E	18	Few	ASt E	0	
30	14	29.091	25.4			E	16	Few	ASt E	0	
30	20	29.077	23.2	30.0	21.9	S	11	Few	ASt E	0	
31	8	28.934	21.0	23.8	14.4	S	5	Few	ASt ESE	0	
31	14:15	28.900	29.0			S	5	Few	CiSt E	0	
31	20	28.895	20.4	29.7	19.2	E	3	8	5 CiSt ESE, 3 Ci ESE.	0	
1935											
Jan. 1	8	28.906	20.3	20.4	11.8	E	15	0		0	
1	14	28.990	27.0			E	13	Few	ASt E	0	
1	20	29.147	21.1	27.7	20.1	E	8	Few	ASt E	0	Sudden low overcast from NE at 22h.
2	8	29.506	30.3	31.1	18.3	N	13	3	1 ACu SE, 1 ASt SE, 1 StCu N.	0	Snow D. A. Fall estimated between ½ and 1 inch.
2	14	29.632	31.1			NE	11	7	Few ACu, 7 StCu NE.	0	
2	20	29.742	22.1	32.7	22.1	E	9	Few	Cu NE, StCu NE	0	
3	8	29.834	27.2	27.2	16.8	SE	13	5	3 Ci (E?) 2 CiSt (E?).	0	
3	13:30	29.756	28.0			SE	24	10	CiSt (E?)	Lt.	
3	20	29.680	24.7	29.0	24.7	SE	20	8	8 Ci E, Few ACu N.	Lt.	
4	8	29.528	25.0	26.0	21.0	SE	20	10	St E	Lt.	
4	14	29.500	27.0			E	16	10	8 ASt SE, 2 St E	0	
4	20:40	29.489	21.0	28.7	21.0	S	4	9	ASt SE	0	
5	8	29.579	24.1	24.1	15.0	S	6	Few	Ci (WNW?)	0	
5	14	29.638	26.1			S	13	Few	Ci WNW	0	
5	20	29.666	20.4	27.7	20.4	S	8	Few	CiSt WNW or W	0	
6	8	29.660	17.3	20.4	14.0	S	15	0		0	
6	14	29.639	21.2			S	14	Few	Ci W, CiCu W	0	
6	21	29.642	20.1	22.7	17.3	S	16	Few	ASt SW	0	Low StCu coming in from S or SSW at 21h.
7	8:15	29.721	21.2	22.2	17.1	S	13	10	StCu S	0	Only 1 StCu at 7h.
7	14:25	29.739	23.0			S	17	10	St S	0	
7	20	29.752	20.7	23.0	20.7	S	13	4	StCu S	0	

[1] Pressure read at 9h.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudiness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1935	*180th mer. time*	*Inches*	*°F.*	*°F.*	*°F.*	*From*	*m. p. h.*	*0-10*	*From*		
Jan. 8	8	29.774	16.0	20.7	14.6	SW	15	1	StCu SSW	0	
8	14	29.704	21.0	--------	--------	SW	20	8	StCu SSW	0	
8	20	29.624	19.4	21.8	16.0	S	16	10	St SSW	0	Lt. snow from 18:30h to 19:30h. Lt. fog since 18:30h.
9	8	29.461	18.1	19.8	17.1	S	9	2	StCu SSW	0	Sky clear at 9h.
9	14	29.441	23.0	--------	--------	SW	13	Few	St SSW	0	
9	20	29.491	16.3	24.4	16.3	E	7	Few	St SE	0	Dn. fog and fog bow at 21:30h.
10	8	29.583	22.8	22.8	12.3	NE	11	9	Few Ci NW, 9 St NE.	0	Deposit of rime this morning about ½ inch thick.
10	14	29.611	26.1	--------	--------	W	4	10	StCu N	0	
10	19:30	29.642	24.2	29.0	22.8	W	5	10	St N	0	
11	8	29.681	27.7	29.2	20.7	E	6	9	3 ACu ENE, 3 ASt ENE, 3 StCu NNE.	0	
11	14	29.658	29.4	--------	--------	SE	13	1	Few ACu E, 1 ASt E.	0	Low St overcast from E at 16h to 17h.
11	20	29.635	29.4	31.1	27.7	S	6	10	St E	0	Lt. snow since 19h.
12	8	29.620	24.1	29.9	22.3	E	13	10	St ESE	0	Snowfall last night vy. lt., only ⅛ inch; snow ended D. A.
12	14	29.598	26.8	--------	--------	S	8	10	St ESE	0	
12	19:30	29.574	21.8	26.8	21.1	S	7	7	3 ACu NE, 4 St SSW.	0	St overcast at 22h which continued all night.
13	8	29.503	19.1	21.8	13.9	SE	11	10	St E	0	
13	14	29.447	23.1	--------	--------	S	9	10	St SSE	0	
13	22	29.389	22.1	27.0	19.1	SE	13	10	St SE	0	
14	8	29.382	19.1	22.1	17.9	E	11	10	St ESE	0	
14	14	29.408	22.3	--------	--------	E	4	10	St ESE	0	
14	20	29.436	20.9	23.8	19.1	E	5	10	St ESE	0	
15	8	29.507	23.0	23.0	20.0	S	7	10	St WNW	0	Vy. lt., fine mist at 9h.
15	14	29.520	26.1	--------	--------	W	4	10	St (W?)	0	
15	20	29.493	20.6	28.1	20.6	SW	11	10	St (SW?)	0	
16	8	29.370	22.1	22.1	16.1	SW	13	10	St SW	0	
16	14	29.320	23.2	--------	--------	SW	10	10	St (SW?)	0	
16	19	29.311	20.8	23.6	20.8	S	7	10	St (SW?)	0	Few snow flakes falling intermittently all day.
17	8	29.353	21.9	21.9	18.1	S	7	10	St SSE	0	
17	14	29.349	26.2	--------	--------	S	3	10	5 StCu SE, 5 St SE	0	
17	20	29.345	20.8	28.4	20.8	S	5	10	5 StCu SSE, 5 St SE, Few Cu.	0	
18	8	29.347	22.2	24.0	18.5	S	4	10	1 StCu NE, 9 St NE.	0	
18	14	29.337	22.9	--------	--------	SE	7	10	St ENE	0	
18	20	29.332	19.3	--------	19.3	E	9	10	St ENE	0	
19	8	29.333	20.4	21.0	18.2	E	18	10	St NE	Lt.	Occasional lt. snow until 10:30h.
19	14:30	29.390	28.1	--------	--------	N	7	10	5 StCu N, 5 St N	0	
19	20	29.441	22.8	30.7	20.4	E	13	9	St ENE	0	
20	8	29.530	22.9	22.9	21.1	E	20	4	3 ACu ESE, 1 StCu E.	Lt.	
20	14	29.583	25.3	--------	--------	E	15	5	StCu E	0	
20	20	29.629	22.1	25.3	22.1	E	9	8	5 St E, 3 StCu E	0	
21	8	29.765	19.1	--------	11.8	W	7	5	ACu ESE	0	
21	15	29.840	25.0	--------	--------	SW	9	6	ACu	0	
21	20	29.885	23.0	--------	18.1	W	3	Few	St W	0	
22	8	29.967	17.8	23.3	14.0	W	8	10	StCu SW	0	
22	14	29.986	24.8	--------	--------	NW	5	10	StCu (NW?)	0	Sky cleared during forenoon but clouded rapidly at 13h.
22	20	29.945	28.8	30.0	17.8	NW	4	10	StCu NW	0	
23	8	29.781	27.5	28.8	26.3	N	20	10	Nb N	0	Snowing.
23	14	29.640	31.2	--------	--------	N	13	10	St N	0	Do.
23	20	29.569	30.1	31.2	27.0	NW	13	10	St NW	0	Lt. snow, vy. moist.
24	8	29.485	31.5	31.5	27.5	NW	13	10	Nb NW	0	Lt., moist snow continued all last night. Total fall to 8h. estimated at 3 inches.
24	14	29.489	28.9	--------	--------	N	13	10	Nb N	0	Snow ended 17h.
24	20	29.474	26.0	32.5	25.1	N	11	10	10 CiSt, 3 StCu N	0	Clouds beginning to break at 18h., showing a CiSt overcast above. Faint partial 22° solar halo.
25	8	29.486	26.8	28.5	23.9	E	9	9	5 ACu NNW, 4 ASt NNW.	0	
25	14	29.429	25.5	--------	--------	E	20	10	3 ACu N, 7 ASt N	Lt.	
25	20	29.357	24.1	27.1	23.9	E	20	10	St NE	Lt.	Mod. snow since 21h. Lt. fog B.21h.
26	8:30	29.185	28.5	28.5	23.7	E	18	10	Nb (NE?)	Lt.	Mod. snow. Lt. fog. Snow mixed with graupel at 12h.

TABLE 24.—*Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935*—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi-	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1935	180th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		
Jan. 26	14	29.184	31.1	--------	--------	N	20	10	Nb N----------	Lt.	Snowing in form of fine spicules perhaps mixed with some mist.
26	20	29.211	30.7	32.2	28.5	N	23	10	Nb N----------	0	Raining at 17h; raindrops vy. small, almost a mist. This is freezing on snow surface and preventing drift. Lt. fog.
27	8	29.340	31.5	31.5	29.8	N	16	10	Nb N----------	0	Snow continued all last night and E. 7h. Lt. fog ended D. A. Exposed objects covered with coating of clear ice this morning.
27	14	--------	--------	--------	--------	N	17	10	St NNE----------	0	
27	20	29.424	31.1	31.8	31.1	NE	13	10	St NE----------	0	
28	8	29.417	31.7	31.7	28.9	E	11	10	St ENE----------	0	
28	14	29.372	30.8	--------	--------	E	13	10	St ESE----------	0	
28	20	29.344	31.1	32.2	29.7	E	13	10	St E----------	0	Lt. snow since 14:15.
29	8	29.358	32.1	32.8	31.1	E	15	10	St NE----------	0	Vy. fine, lt., moist snow. Snow continued all last night.
29	14	29.333	31.9	--------	--------	NE	17	10	Nb NE----------	0	Snow ended 9h. Vy. fine snow B. again 11h.
29	20	29.288	31.0	--------	30.3	NE	17	10	St NE----------	0	Lt. snow.
30	8	29.195	30.9	--------	30.0	NE	15	10	St NE----------	0	Do.
30	14	29.130	30.2	--------	--------	NE	8	10	St NE----------	0	Do.
30	20	29.076	28.2	--------	26.1	NE	14	10	4 StCu, 6 St--------	0	Lt. snow. Sun visible through clouds at 23h.
31	8	29.026	29.0	29.0	21.0	NE	7	10	St NNW----------	------	Lt. snow.
31	14	29.050	31.5	--------	--------	N	9	10	StCu NNE--------	------	Vy. lt. snow.
31	20	29.097	29.3	32.0	29.0	NW	9	10	St NW----------	------	Mod. snow.
Feb. 1	8	29.146	27.1	29.3	25.3	W	3	9	St NNE----------	0	Snow ended 5h.
1	13	29.144	27.1	--------	--------	E	6	10	St NE----------	0	Lt. snow since 10h.
1	21	29.080	25.1	30.3	25.1	E	11	10	St NE----------	0	Lt. snow.
2	8	29.000	24.8	25.1	20.1	E	8	9	St ESE----------	0	Lt. snow ended 5h.
2	15	28.943	24.1	--------	--------	S	--------	10	7 StCu SE, 3 St SE-	0	Lt. snow from 9:30 to 12h.
3	7	28.851	8.0	--------	--------	SSW	16	6	Ci----------	0	Hvy. shower of ice crystals; 22° halo.

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934*

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind		Cloudiness	Remarks
			Dry	Min.				
1934		Inches	°F.	°F.	From	m.p.h.	0-10	
Mar. 27	9	28.82	−43	−43	NW	12	0	Horizon hazy.
27	21	28.87	−48.5	−48.5	NW	15	0	Bright moonlight.
28	9:30	28.96	−48	−54	N	5	0	
28	21	29.03	−57	−57	NE	8	0	Bright moonlight.
29	11:20	29.16	−53.5	−57.5	S	7	0	
29	21	29.22	−53	−59	SE	9	0	Bright moonlight.
30	11	29.16	−41.5	−53	S	11	1	
30	21	29.12	−46.5	−48.5	S	9	2	
31	13	29.07	−51.5	−53.5	S	10	4	Partial solar halo.
31	21	29.11	−52.5	−52.5	S	10	3	Lunar halo.
Apr. 1	12	28.98	−30	−53	SE	12	10	Sun dimly visible through clouds.
1	21	28.81	−29	--------	SE	16	--------	
2	12	--------	−30.5	−32.5	NW	18	0	Lt. drift.
2	21	28.68	−40.5	−41	NW	14	10	Moon visible through thin overcast.
3	12	28.02	11	−35	E	24	10	
3	19	27.97	15	11	E	16	10	
4	7	28.05	16	3.5	NE	24	10	
4	19	28.40	7	2	NE	24	10	
5	7	28.75	−5.5	−10.5	E	11	10	
5	19	28.78	−15	−17.5	SE	13	1	
6	7	28.70	−31	−31	S	6	Few	
6	12	28.71	−35	−35	S	6	Few	Hazy.
6	19	28.77	−32	−37	SE	8	Few	Clouds on S horizon.
7	7	28.70	−22.5	−32	SE	11	10	
7	19	28.66	−15	−22.5	SE	14	10	
8	7	28.66	−10	−18.5	SE	15	10	

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934*—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind		Cloudiness	Remarks
			Dry	Min.				
1934		*Inches*	*°F.*	*°F.*	*From*	*m.p.h.*	*0-10*	
Apr. 8	19	28.74	−27	−27	SE	13	0	
9	7	28.80	−21.5	−30.5	E	13	10	
9	19	28.89	−16.5	−21.5	SE	9	5	
10	7	28.92	−35.5	−35.5	E	6	1	
10	19	28.88	−40	−42	S	8	1	
11	7	28.77	−40.5	−46.5	SE	5	3	
11	19	28.74	−44.5	−44.5	SE	8	2	
12	7	28.70	−45.5	−46	SE	4	----------	
12	19	28.74	−51	−51	SE	9	----------	
13	7	28.76	−46	−52	SE	7	1	
13	19	28.80	−56	−56	SE	5	0	
14	7	28.82	−57.5	−58	SE	8	Few	
14	19	28.81	−57	−57.5	S	7	0	
15	6:45	28.76	−48.5	−58	SE	6	10	
15	19	28.72	−52	−52	SE	10	0	
16	7	28.65	−48.5	−54	SE	12	2	
16	19	28.74	−50.5	−51.5	S	3	----------	
17	7	28.77	−44.5	−51.5	SW	7	2	
17	19	28.82	−57	−57	S		0	
18	7	28.82	−61.5	−62	SE	3	2	
18	19	28.82	−59	−61.5	S	3	0	
19	6:45	28.82	−55.5	−60	S	1	10	
19	19	28.92	−26.5	−55.5	E	8	10	
20	7	28.99	−24	−26	SE	7	10	
20	19	29.10	−32	−32.5	S	9	4	
21	7	29.01	−31	−34	S	7	10	
21	19	28.90	−37	−37		0	0	
22	7:30	28.80	−46	−48.5	NW	2	7	
22	19	28.74	−49	−50	NW	2	----------	
23	7	28.73	−31.5	−54	E	8	10	
23	19	28.52	−10	−31.5	SE	26	10	
24	7	28.46	−9	−11	SE	15	10	
24	19	28.44	−19	−19	SE	8	3	
25	7	28.52	−20	−27	NE	4	10	
25	19	28.66	−9.5	−20	E	11	2	
26	7	28.68	−29	−29	S	7	5	
26	19	28.66	−41	−41	S	5	0	
27	7	28.57	−51.5	−51.5	S	5	6	
27	19	28.46	−30	−51.5	SE	13	6	
28	7	28.51	−25	−37.5	SE	8	10	
28	19	28.68	−11	−25	NE	8	10	
29	7	28.93	−25	−30	E	8	10	
29	19	28.94	−18	−28	SE	15	10	
30	7	28.84	−36.5	−36.5	S	9	2	
30	19	28.73	−44.5	−44.5	SW	2	0	
May 1	7	28.57	−41.5	−48	W	6	0	
1	20	28.46	−45.5	−47	S	5	0	Slightly hazy on horizon.
2	7	28.41	−49.5	−52.5	NW	3	0	
2	19	28.52	−47.5	−49.5	SE	4	----------	
3	9	28.69	−51.5	−53.5	SE	8	1	Slightly hazy; ring around moon.
3	19	29.02	−56	−56	NW	4	0	
4	8	29.16	−58	−59	SE	3	0	
4	20	29.20	−56	−58	SE	4	0	
5	8	29.22	−48	−58	NW	4	1	
5	20	29.29	−41	−49		0	1	
6	8	29.20	−27.5	−44	SE	2	10	
6	20	29.11	−32.5	−38	SE	7	10	
7	8	29.01	−39.5	−46	E	9	2	
7	20	28.88	−47	−48	SE	11	2	
8	8	28.84	−43.5	−47	S	13	2	
8	20	28.76	−45	−46	S	3	1	
9	8	28.68	−50.5	−50.5	SW	8	1	
9	20	28.60	−56	−57	NW	5	----------	
10	8	28.61	−57.5	−58.5	NE	5	0	
10	20	28.80	−53.5	−58.5	SE	4	0	
11	8	28.79	−29	−55.5	SE	4	10	
11	20	28.78	−17	−29	SE	8	10	
12	8	28.76	−33.5	−33.5	S	6	Few	Clear except for a few clouds on horizon.
12	20	28.45	−43	−43	SW	2	10	
13	8	28.29	−19	−43	SE	5	10	
13	20	28.22	−28	−33.5	SE	9	0	
14	8	28.21	−28.5	−28.5	S	10	10	
14	20	28.19	−36	−37.5	NW	4	4	
15	8	28.19	−34	−36	NE	5	0	
15	20	28.31	−46.5	−49	SE	5	0	

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934*—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind		Cloudiness	Remarks
			Dry	Min.				
1934		*Inches*	°*F.*	°*F.*	*From*	*m.p.h.*	*0-10*	
May 16	8	28. 56	−38	−46. 5	NE	4	10	
16	20	28. 70	−22. 5	−38	E	2	10	Lt. snow.
17	8	28. 89	−19. 5	−22. 5	E	2	10	
17	20	29. 03	−19	−19. 5	SE	2	10	
18	8	29. 07	−43	−43	SW	2	0	
18	20	29. 02	−59	−59	S	4	0	
19	8	28. 84	−64	−64	SW	4	0	
19	20	28. 64	−66	−66	NW	3	0	
20	8	28. 64	−71	−72		0	0	
20	20	28. 94	−55. 5	−72. 5	N	2	5	Ice crystals falling.
21	8	29. 09	−36. 5	−55. 5	NE	10	10	
21	20	29. 09	−49	−49	SE	13	Few	Clouds on horizon.
22	8	28. 50	−15	−52	SE	24	10	
22	20	28. 57	5	−15	NW	24	10	
23	8	29. 06	−8	−9. 5	E	24	6	
23	20	29. 22	−9. 5	−16. 5	SE	13	7	
24	8	29. 08	−2. 5	−16	SE	22	10	
24	20	29. 04	14. 5	−2. 5	NE	11	10	
25	8	29. 00	8	5	SE	6	9	
25	20	28. 94	−1	−1	N	4	10	Moon visible through clouds.
26	8	28. 81	−4	−5. 5	SE	3	8	
26	21	28. 71	−18	−20	SE	3	8	
27	8	28. 72	−7	−20	E	12	10	
27	20	28. 50	−3	−7	S	12	10	
28	8	28. 39	−1. 5	−19	NE	2	9	
28	20	28. 47	−3	−22	SE	3	0	Foggy at 24h.
29	8	28. 66	−19	−23	SE	7	9	
29	20	28. 76	−11. 5	−22. 5	SE	5	10	Clear between 15:15 and 16:15.
30	8	28. 82	−1	−15. 5	SE	13	10	
30	20	28. 77	11	−4	SE	15	10	
31	8	28. 87	6. 5	−7	SE	13	10	
June 1	20	28. 80	−5. 5	−5. 5	SE	7	5	
1	8	28. 63	−10	----------	SE	13	----------	
2	20	28. 51	5	----------	SE	16	----------	
2	8	28. 69	5	−2	NE	17	10	
3	20	28. 97	−12. 5	−19	S	4	10	
3	8	28. 90	10	−12. 5	SE	12	4	
4	20	28. 85	1	----------	E	20	10	
4	8	28. 80	12	3	SE	24	10	
5	20	29. 16	4	0	SE	10	5	
5	8	29. 20	2	0	SE	13	3	
6	20	29. 09	−9	−9	SE	17	0	
6	8	29. 00	−16	−16	SE	20	0	Drifting snow.
7	20	28. 86.	−23	−25	SW	8	0	
7	8	28. 61	−35	−35	NW	8	Few	Clouds on E horizon.
8	20	28. 55	−43. 5	−45. 5	NE	9	0	
8	8	28. 60	−27	−43. 5	SE	16	1	
9	20	28. 50	−16	−29	SE	14	1	
9	8	28. 47	−28	−28	SW	3	0	
10	20	28. 64	−31. 5	−34. 5	NE	5	0	
10	8	28. 82	−12	−32. 5	SE	4	0	
11	20	28. 67	4	−21. 5	SE	16	Few	Cldy. from 15h to 19:30h.
11	8	28. 68	−14. 5	−25. 5	SE	6	8	Snowing.
12	20	28. 93	−22. 5	−22. 5	SW	5	5	Snow E. 15:30h.
12	8	29. 00	−26. 5	−26. 5	SW	3	0	
13	20	28. 85	−35	−36. 5	SW	3	0	
13	8	28. 88	−25. 5	−37. 5	SE	5	5	
14	20	28. 62	−26. 5	−28	SW	11	5	Overcast at 24h.
14	8	28. 40	−23	−30	S	13	10	Snow fell during night.
15	20	28. 20	2	−23	E	13	5	
15	8	28. 15	−1	−3	SE	11	5	
16	20	28. 04	−21	−21	NW	2	5	Overcast at 24h.
16	8	28. 07	−3	−23. 5	NE	7	10	Snow fell during night.
17	20	28. 22	−2	−3	NE	16	10	
17	8	28. 33	−9	−12	NE	11	10	
18	20	28. 40	−42	----------	NW	8	----------	
18	8	28. 37	−34	----------	NW	8	----------	
19	20	28. 44	−44	−44	SE	3	0	
19	8	28. 47	−31. 5	−44	SE	16	5	
20	20	28. 40	−27	−37		0	10	Snowing.
20	8	28. 46	−18	−27	SE	9	1	Lt. snowfall during night.
21	20	28. 44	−32	−32	S	9	Few	
21	8	28. 37	−25	−35	S	10	10	
22	20	28. 32	−40	−40	SW	4	5	
	8	28. 19	−47	−47	NW	3	0	

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934*—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind		Cloudiness	Remarks
			Dry	Min.				
1934		*Inches*	°*F.*	°*F.*	*From*	*m.p.h.*	*0–10*	
June 22	20	28.19	−49	−50.5	NE	2	0	
23	8	28.40	−42	−49.5	E	5	1	
23	20	28.34	−31	−42	SW	16	3	
24	8	28.10	−37	−37	SE	7	2	
24	20	28.36	−38	−38	SE	5	0	Bright moonlight.
25	8	28.68	−25.5	−42	E	7	2	
25	20	28.81	−44	−44	E	8	1	
26	8	28.74	−47	−47	SE	13	2	
26	20	28.78	−38	−47	SW	5	3	
27	8	28.90	−50	−50		0	0	
27	20	28.91	−55	−55	W	4	0	
28	8	29.12	−57	−57.5	SW	3	0	
28	20	29.21	−51.5	−57	NW	8	----------	
29	8	29.20	−42	−55	SW	5	10	Moon visible through thin overcast.
29	20	29.22	−53	−53	NW	9	0	
30	8	29.21	−44	−53	W	8	0	
30	20	29.26	−46.5	−47.5	W	4	Few	Clouds on E horizon.
July 1	8	29.10	−59.5	−61	NE	3	0	
1	20	28.92	−63	−65	S	4	8	
2	8	28.87	−51	−63	S	3	1	
2	20	28.65	−50	−61	SW	2	0	
3	8	28.65	−60	−60	SW	2	0	
3	20	28.72	−56	−62	S	4	0	Ice crystals falling.
4	8	28.80	−40	−56	SE	12	5	
4	20	28.76	−39	−50	S	7	1	
5	8	28.75	−36	−43	S	2	10	
5	20	28.77	−24	−36	SW	4	0	Do.
6	8	28.76	−55	−55	SW	5	0	
6	20	28.80	−59.5	−59.5	SW	4	0	
7	8	28.84	−52.5	−60.5	NW	2	0	
7	20	28.97	−61.5	−62.5	W	3	0	
8	8	29.10	−61	−63	SW	5	0	
8	20	29.05	−62	−64	SE	4	0	
9	8	28.84	−44	−62.5	SE	13	5	
9	20	28.80	−52.5	−52.5	S	5	1	
10	8	28.80	−52.5	−55	SW	6	Few	
10	20	28.84	−56	−58	NW	6	1	
11	8	28.87	−53	−56	NW	7	1	
11	20	28.93	−58.5	−58.5	SW	3	1	
12	8	28.85	−61	−63.5	SW	5	0	
12	20	28.75	−58	−64	SW	5	0	
13	8	28.87	−61	−64	NW	3	0	
13	20	28.93	−67.5	−68.5		0	0	
14	8	28.88	−65.5	−71		0	Few	
14	20	28.73	−60.5	−65.5	SE	12	1	
15	8	28.69	−67.5	−68.5	S	6	1	
15	20	28.35	−55	−67.5	SE	12	8	
16	8	28.12	−49.5	−55	S	15	4	
16	20	27.94	−47.5	−49.5	SW	7	0	Do.
17	8	28.06	−42.5	−52.5	NW	11	0	
17	20	28.29	−48.5	−58.5	SE	8	0	
18	8	28.11	−30.5	−48.5	SW	13	10	
18	20	28.14	−39	−40	NW	19	10	
19	8	28.30	−39	−44	NW	13	0?	
19	20	28.28	−29	−39	N	16	6	Vis. good during afternoon.
20	8	28.38	−56	−56	NW	18	0	
20	20	28.59	−65	----------	NW	6	----------	
21	[1] 8	28.72	−78	----------	NW	6	----------	
21	20	29.16	−78	[2] −78	NW	3	0	
22	8	29.30	−69	−78	SE	13	2	
22	20	29.19	−65	−69	SE	14	0	
23	8	29.33	−73.5	−73.5	NW	3	0	
23	20	29.56	−55	−73.5		0	4	
24	8	29.61	−60	−67	SE	10	10	
24	20	29.37	−46	−60	SE	24	10	
25	8	29.20	−35.5	−46	SE	18	10	Some snow fell during night.
25	20	29.10	−32	−35.5	SE	17	10	Lt. snow. Moon visible through thin overcast.
26	8	29.08	−28	−33	SE	17	10	Snowing.
26	20	28.90	−13.5	−28	SE	17	10	Moon visible through thin overcast.
27	8	28.82	−2	−13.5	SE	17	10	Snowing.
27	20	28.88	−18	−18	S	14	10	Moon visible through thin overcast.
28	8	28.94	−38	−38	S	11	0	
28	20	28.82	−55	−55	SW	6	0	

[1] Values taken from automatic records.

[2] According to the thermograph records the lowest recorded temperature at Advance Base was −83° F. at 4h on July 21. Although there was no reading of the minimum thermometer at 8h on this date, the minimum thermometer reading at 20h of the same day is given as −78° F.; following the customary procedure, the recorded value of −83° has therefore been corrected to −78°. (G. G.)

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934*—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind		Cloudiness	Remarks
			Dry	Min.				
1935								
July 29		*Inches*	°*F.*	°*F.*	*From*	*m.p.h.*	*0-10*	
29	8	28.72	−54	----------	SW	6	----------	
30	20	28.56	−57	−60.5	S	6	0	
30	8	28.36	−55	----------	SW	3	----------	
31	20	28.21	−60	−63.5	SW	2	0	
31	8	28.18	−60.5	−64.5	NW	2	0	
Aug. 1	20	28.16	−52	−63.5	NW	3	0	
1	8	28.02	−47	−52	SW	7	1	
2	20	----------	−35	−47	NW	14	----------	Few stars visible overhead. Very low pressure today.
2	8	27.92	−33.5	−35	SE	6	9	Clear on NE and NW horizon.
3	20	28.06	−15.5	−33.5	E	5	----------	Few stars visible overhead.
3	8	28.52	−8	----------	SE	13	9	Clear on N horizon.
4	20	28.54	−31	−31	SE	2	0	
4	8	28.48	−32	−39	SW	5	5	
5	20	28.32	−46	−47	E	4	10	
5	8	28.58	−17	−47	SE	11	4	
6	20	28.72	−31	−31	SW	7	10	
6	8	28.64	−33	----------	SW	8	----------	
7	20	28.47	−47	−47	SW	3	0	
7	8	28.39	−54	−57	S	5	0	
8	20	28.31	−49.5	----------	NW	3	0	
8	8	28.42	−41	−55	NE	8	0	
9	20	28.55	−40	−41	N	7	3	
9	8	28.63	−35	−40	SE	6	10	
10	20	28.63	−34	−35	S	6	0	
10	8	28.67	−31	−36	SE	6	5	
11	20	28.60	−34	−42	SE	5	2	
11	16:30	28.26	−44	−45	SW	9	0	Ice crystals falling.
12	20	28.20	−48	−48	S	7	0	Do.
12	12	28.19	−60.5	−60.5	S	3	2	
13	20	28.10	−58.5	−62.5	S	3	0	
13	12	28.08	−50	−58	SW	3	1	
14	20	28.09	−32.5	−50.5	W	5	2	
14	8:45	28.31	−41	−52.5	NW	10	10	
15	20	28.52	−46	−46	SW	5	0	
15	9	28.82	−67	−67	SW	3	0	
16	20	28.68	−59	−67	SE	6	----------	Horizon hazy.
16	10:30	28.34	−27	−59	SE	18	10	
17	20	28.02	−27	----------	SE	15	10	
17	8	28.05	−25	−31	W	8	10	
18	20	28.18	−33	−37	NW	8	----------	
18	10:30	28.34	−46	−51	NW	10	3	Vis. good.
19	20	28.40	−52	−56	NE	8	0	
19	9:30	28.38	−24	−52	NE	10	10	
20	20	28.13	−51.5	−51.5	SE	8	0?	Ice crystals falling.
20	13	28.00	−72	−72	NW	5	0	
21	20	28.00	−70	−72	NW	4	0	
21	10	28.18	−75	−77	NE	3	3	
22	20	28.28	−66.5	−75	NE	7	----------	Horizon hazy.
22	11	28.46	−51.5	−66.5	E	7	3	
23	20	28.50	−59	−59	E	4	0	
23	9:45	28.38	−56	−70	W	2	8	
24	20	28.30	−70	−70	NW	3	Few	Few clouds in N.
24	10	28.32	−73	−75.5		0	1	Clouds extremely thin.
25	20	28.42	−75	−76	SE	7	0	
25	10	28.35	−49	−76.5	SW	7	----------	
26	20	28.21	−68	−68	SE	8	----------	
26	10	28.03	−57	−66.5	S	12	5	Drifting snow.
27	20	27.82	−59	−67	W	5	0	
27	10	27.52	−69	−71	S	5	2	Clouds on horizon.
28	20	27.84	−62.5	−71.5	E	6	0	
28	10	28.51	−18	−61	NE	6	10	
29	20	28.74	−29.5	−31.5	NW	3	5	
29	10	28.86	−44.5	−50	N	5	2	
30	20	28.80	−53	−54	NE	3	Few	Ice crystals falling.
30	10:40	28.72	−66	−67	NE	2	1	
31	20	28.68	−68	−71	S	3	0	
31	10:45	28.51	−72	−77	S	6	2	
Sept. 1	21:30	28.37	−67	−72	NE	6	2	Hazy.
1	10:10	28.28	−45	−72	W	5	10	
2	20	28.16	−49	−49	SW	3	2	
2	10	28.04	−40	−54	E	6	10	
3	20	28.02	−39	−45	S	12	4	
3	10:30	27.74	−45	−45	SE	5	1	
4	20:45	27.60	−53	−53	SW	2	0	
	10:30	27.70	−48	−53.5	N	8	0	

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934*—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind		Cloudiness	Remarks
			Dry	Min.				
1934		*Inches*	*°F.*	*°F.*	*From*	*m.p.h.*	*0-10*	
Sept. 4	20	27.92	−11	−48	NW	17	10	Few stars visible overhead through clouds.
5	10:30	28.31	−13	−14	NE	3	10	
5	20	28.40	−21	−25	SW	7	Few	Clouds on horizon.
6	10:35	28.54	−27	−29	NW	7	10	
6	20	28.53	−48	−48	W	3	0	
7	10:35	28.54	−60	−60	SW	5	0	
7	20	28.48	−65	−65	NW	3	0	
8	10:30	28.37	−57.5	−70.5	NW	10	9	
8	20	28.48	−67	−67	NW	5	0	
9	10:30	28.50	−66	−72.5	SE	9	9	
9	20	28.29	−49	−66	S	16	8	
10	10:30	28.50	−54.5	−56	W	7	2	
10	20:30	28.73	−59	−59	NW	6	0	
11	10:30	28.88	−55	−59	SE	8	0	
11	20	28.86	−55	−56	SE	10	0	
12	10:30	28.81	−61	−65	S	5	0	
12	20	28.75	−65	−67		0	0	
13	10:30	28.44	−64	−69	S	3	0	
13	20	28.26	−70	−70	S	4	0	
14	10:30	28.12	−66	−71	S	3	0	Vis. excellent; mirage observed.
14	21	28.24	−69	−69	SE	3	0	
15	10:30	28.52	−53	−69.5	E	3	10	Clouds thin.
15	20	28.72	−44	−53	SE	6	Few	
16	10:30	28.89	−50	−57	SE	6	0	
16	20	28.74	−64	−64	S	6	0	
17	8	28.27	−62	−68	W	7	Few	Vis. good.
17	20	28.24	−58	−62	NW	15	8	
18	10:45	28.44	−50	−58	NE	5	0	
18	20:45	28.44	−43	−50	NE	7	10	
19	10:30	28.46	−26	−43	NE	6	10	
19	20	28.46	−23	−26	NE	8	10	
20	10:30	28.48	−34	−36	E	17	10	
20	20	28.53	−31	−34	E	23	10	
21	10:30	28.80	−16	−32	E	17	10	
21	20	29.02	−30	−30	SE	4	5	
22	10:30	29.24	−30.5	−34.5	SW	4	1	
22	20	29.02	−28	−41	NW	10	10	
23	10:30	28.58	−23	−28	N	5	6	
23	20	28.30	−6	−23	NW	6	10	Vy. lt. snow at 14h.
24	8	28.32	−18	−23	SW	5	10	
24	20	28.56	−33	−33	N	5	8	
25	10:30	28.54	−21	−37.5	SW	6	10	Lt. snow; ½ inch snow fell during night.
25	20	28.49	−23	−23	S	7	18	
26	10:30	28.34	−34.5	−46	SW	3	2	
26	20	28.48	−47	−47	W	5	0	
27	8	28.51	−32	−49	NW	5	0	
27	20	28.54	−27	−36	NW	22	0	Horizon hazy.
28	10:30	28.49	−31	−35	NW	20	10	
28	20	28.64	−33	−33	W	7	1	
29	10:30	28.66	−35	−39	NW	8	2	
29	20	28.70	−52	−52	E	3	0	
30	10:30	28.55	−10	−52	N	13	10	
30	20	28.40	−35	−35	NW	20	0	
Oct. 1	8	28.68	−38	−38	SW	8	2	
1	20	28.76	−49	−49	SW	6	0	
2	8	28.75	−40	−50	SE	7	5	
2	21	28.74	−24	−40	SE	16	10	
3	10:30	28.64	−24	----------	S	16	3	
3	20	28.50	−31	−31	S	8	2	Hazy.
4	11	28.26	−20	−31	SE	11	10	Lt. snow.
4	20	28.06	−17	−20	SE	9	10	Snowing.
5	8	27.97	−19	−20	SE	14	0	Horizon hazy.
5	20	27.68	0	−19	SE	30	10	
6	10:30	27.60	−6	−6	NW	20	10	Mod. drift.
6	20	28.05	−19	−21	NW	20	10	Do.
7	8	28.44	−4.5	−19.5	S	10	10	
7	20	28.63	−11	−11	NE	14	10	
8	10:30	28.30	5	−19	E	36	----------	Hvy. drift; vis. 30 ft.
8	20	28.15	6	2	NE	14	----------	
9	8	28.22	6	1	NE	10	10	
9	20	28.30	.5	.5	NE	16	10	
10	8	28.46	−1	−4	NE	9	10	
10	20	----------	−3	−6	S	8	10	
11	8	28.42	−3	−6	SE	20	2	
11	20	28.24	−17.5	−17.5	SE	8	----------	

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*

1. Sept. 22, 1929. Kite. Launched: 15h 09m. Clouds: 9 St SSW. Wind: SSW—7.6 m. p. s. Rel. hum.: 80%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
					No. 1					
15h 09m	14	977.7	−39.4	235.0	----------	SSW	14	977.7	−39.4	235.0
15h 24m	442	920	−33.9	245.0	−1.29	SSW	250	946	−36.5	240.8
15h 30m	524	909	−33.0	246.8	−1.10	SSW	500	912	−33.2	246.2
							524	909	−33.0	246.8

14h 03m: 1 St SSW. 15h 15m: 10 St SSW.

WINDS ALOFT

Sept. 22, 1929 9h 05m	Altitude, m	Surface.	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,630
	Direction	SW	SSW	SW	WSW	WSW	W	WSW	W	WNW	WNW	WNW	WNW	WNW	W
	Velocity m. p. s.	5.4	10.8	10.2	7.1	7.4	5.0	7.1	6.2	6.4	7.4	10.0	10.6	9.2	11.6

2. Oct. 17, 1929. Kite. Landed: 14h 53m. Clouds: 10 St NE. Wind: E–6.7 m. p. s. Rel. hum.: 92%. Specific hum.: 1.0 g/kg Vy. lt. snow since 9h 22m

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
					No. 12					
13h 49m	738	887	−15.8	266.2	0.64	NE	738	887	−15.8	266.2
14h 49m	223	950	−12.5	264.4	−1.96	NE	500	916	−14.3	265.2
14h 53m	14	976.8	−16.6	258.2	----------	E	250	947	−12.7	264.5
							14	976.8	−16.6	258.2

Rime on all forward kite surfaces.

3. Oct. 18, 1929. Kite. Launched: 10h 31m. Clouds: 2 St ESE. Wind: E—7.2 m. p. s. Rel. hum.: 89%. Specific hum.: 0.7 g/kg

Time (180th mer.)	Altitude sea level (m)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
					No. 13					
10h 31m	14	978.5	−20.6	254.1	----------	E	14	978.5	−20.6	254.1
10h 36m	544	910	−15.3	264.6	−1.00	ESE	250	948	−18.2	258.8
10h 54m	748	887	−15.3	266.8	0.00	E	500	916	−15.8	263.6
11h 48m	1,901	762	−18.2	275.6	0.25	NNE	750	887	−15.3	266.8
							1,000	859	−15.9	268.5
							1,500	804	−17.2	272.3
							1,901	762	−18.2	275.6
					Descent No. 14					
12h 59m	1,054	853	−16.4	268.6	0.21	----------	1,054	853	−16.4	268.6
13h 35m	616	904	−15.5	265.2	−1.13	----------	1,000	859	−16.4	268.0
13h 50m	14	980.5	−22.3	252.0	----------	ESE	750	887	−15.8	266.1
							500	918	−16.8	262.6
							250	950	−19.6	257.2
							14	980.5	−22.3	252.0

Landed: 13h 50m. Clouds: 10 St E, lt. fog. Wind: ESE—6.3 m. p. s. Rel. hum.: 91%. Specific hum.: 0.6 g/kg. Vy. lt. snow. Shower of ice crystals accompanied by 22° and 46° solar haloes from 9h 45m to 10h 35m. Few St E at 10h 58m. 8 St E at 12h; base of St at about 100m. Lt. fog B. 13h 45m. 3/8 inch coating of rime on wire at 13h 15m. Vy. lt. snow at 14h 17m.

WINDS ALOFT

Oct. 18, 1929 8h 37m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,290
	Direction	E	ESE	ESE	ESE	E	ESE	NE	NNE	NNE	N	NNE	N	N
	Velocity m. p. s.	1.8	9.3	12.4	13.7	12.2	7.5	8.0	10.2	9.3	9.1	8.7	8.6	7.0

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

4. Oct. 21, 1929. Kite. Launched: 15h 31m. Clouds: Few CiSt, Few ACu, Few St. Wind: SSE—5.8 m. p. s. Rel. hum.: 88%. Specific hum.: 1.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp (° A.)	Lapse rate (°/100 m)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
				No. 15						
Oct. 21										
15h 31 m	14	984.6	−15.0	259.0	----------	SSE	14	984.6	−15.0	259.0
15h 40 m	300	949	−13.7	263.4	−0.45	SSE	250	955	−13.9	262.6
15h 51 m	499	924	−14.6	264.4	.45	SSE	500	924	−14.6	264.4
15h 58 m	1,014	862	−18.6	265.5	.78	SW	750	892	−16.5	265.0
16h 12m	1,371	822	−18.8	269.0	.06	SW	1,000	864	−18.4	265.4
							1,371	822	−18.8	269.0
				Decent No. 16						
Oct. 22										
8h 40 m	891	868	−21.3	262.4	0.64	----------	891	868	−21.3	262.4
9h 20 m	96	965	−16.2	259.4	−7.32	----------	750	885	−20.4	261.7
9h 22 m	14	977.2	−22.2	252.5	----------	SW	500	916	−18.6	260.8
							250	947	−17.1	260.0
							14	977.2	−22.2	252.5

Landed: Oct. 22, 9h 22m. Clouds: 7 ACu SSE. Wind: SW—5.8 m. p. s. Rel. hum.: 87%. Specific hum.: 0.7 g/kg. Kite up all night.

WINDS ALOFT

Oct. 21, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,000	7,470
9h 02m	Direction	SE	ESE	ESE	ESE	SE	SSE	WNW	W	WNW	WNW	NNW	NW	WNW	WNW
	Velocity m. p. s.	8.1	14.9	14.8	9.0	6.6	1.6	2.1	3.0	4.9	4.3	3.9	5.7	8.0	6.4
Oct. 22, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,970					
13h 14m	Direction	SSW	S	S	SSE	SSE	S	SSE	SSE	S					
	Velocity m. p. s.	7.1	11.6	12.4	12.4	13.4	8.3	9.0	7.8	6.5					

5. Oct. 30, 1929. Kite. Landed: 16h 30m. Clouds: 10 St NNW. Wind: ESE—5.3 m. p. s. Rel. hum. 93%. Specific hum.: 1.0 g/kg. Lt. snow

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp (° C.)	Potential temp. (° A.)
				No. 17						
16h 08m	504	914	−15.2	264.5	0.39	NNW	504	914	−15.2	264.5
16h 29m	147	959	−13.8	262.5	−2.48	NNE	500	914	−15.2	264.5
16h 30m	14	975.8	−17.1	257.6	----------	ESE	250	947	−14.2	263.0
							14	975.8	−17.1	257.6

Kite in clouds at 16h 03m. 13h 50m: 10 St NNW; few flakes of snow falling. Lt. snow since 16h 17m.

6. Nov. 2, 1929. Kite. Launched: 18h 16 m. Clouds: 10 St N. Wind: ESE—5.4 m. p. s. Vy. lt. snow. Rel. hum.: 89%. Specific hum.: 0.8 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
				No. 18						
18h 16m	14	981.2	−16.3	258.1	----------	ESE	14	981.2	−16.3	258.1
18h 24m	289	945	−16.5	260.7	0.73	NE	250	950	−16.6	260.2
20h 07m	1,136	843	−23.1	262.5	.78	N	500	918	−18.3	261.0
							750	888	−20.2	261.5
							1,000	858	−22.2	262.2
							1,136	843	−23.1	262.5

Kite and wire heavily laden with semihard rime. 21h 14m: 10 St N. Vy. lt. snow.

WINDS ALOFT

Nov. 2, 1929	Altitude, m	Surface	250	500	750	891	Entered St, 891 m.
17h 40m	Direction	ESE	ENE	NE	N	NNW	
	Velocity m. p. s	4.4	7.6	6.1	6.8	9.2	

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

7. Nov. 5, 1929. Kite. Launched: 10h 25m. Clouds: 1 Cu St, Few St SE. Wind: SE— 4.9 m. p. s. Rel. hum.: 77%. Specific hum.: 1.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp (° C.)	Potential temp. (° A.)
				No. 19						
10h 25m	14	984. 9	−16. 6	257. 5	----------	SE	14	984. 9	−16. 6	257. 5
10h 32m	575	913	−21. 2	258. 6	0. 82	SE	250	955	−18. 5	257. 8
11h 02m	1, 218	836	−25. 0	261. 2	. 59	SE	500	923	−20. 5	258. 3
							750	892	−22. 3	259. 1
							1,000	861	−23. 8	260. 2
							1,218	836	−25. 0	261. 2
				Descent No. 20						
19h 05m	866	880	−24. 3	258. 1	0. 84	SE	866	880	−24. 3	258. 1
19h 38m	96	974	−17. 8	257. 1	−4. 27	----------	750	892	−23. 4	257. 9
19h 41m	14	983. 8	−21. 3	252. 8	----------	SSW	500	923	−21. 4	257. 6
							250	954	−19. 2	257. 3
							14	983. 8	−21. 3	252. 8

Narrow streak opened up in thin St cloud by kite wire at about 14h. Landed: 19h 41m. Clouds: 6St SE. Wind: SSW—5.8 m. p. s. Rel. hum.: 85%. Specific hum.: 0.6 g/kg. 11h 42m: Few CiSt, Few Cu SE, Few St SE. 12h 50m: 4 St SE.

WINDS ALOFT

Nov. 5, 1929 9h 14m	Altitude, m	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	4, 000	4, 410
	Direction	SE	ESE	ESE	ESE	SE	ESE	E	NE	N	NW	NW
	Velocity, m. p. s	5. 4	11. 4	13. 1	12. 3	10. 9	5. 8	2. 7	1. 8	2. 1	6. 2	7. 8
Nov. 5, 1929 21h 0m	Altitude, m	Surface	250	500	750	1, 000	1, 440	Entered St, 1,440 m.				
	Direction	SSE	SSE	SE	SE	SE	SE					
	Velocity, m. p. s	4. 0	6. 8	7. 8	9. 5	12. 1	6. 6					

8. Nov. 7, 1929. Kite. Launched: 14h 55m. Clouds: 9 StCu NNW, Few St N. Wind: E—5.8 m. p. s. Rel. hum.: 81%. Specific hum.: 1.4 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
				No. 21						
14h 55m	14	977. 5	−16. 6	258. 0	----------	E	14	977. 5	−16. 6	258. 0
15h 21m	187	956	−15. 7	260. 8	−0. 52	N	250	946	−16. 3	260. 9
15h 57m	1, 360	815	−24. 3	263. 8	. 73	N	500	917	−18. 0	261. 5
							750	886	−19. 9	262. 2
							1,000	856	−21. 7	262. 9
							1,360	815	−24. 3	263. 8

Lt. snow B. 15h 30m. Kite became laden with rime while in clouds. Kites forced down to surface by weight of this rime formation. Surface wind: NE at 15h 30m; NNW at 20h 17m.

WINDS ALOFT

Nov. 7, 1929 9h 24m	Altitude, m	Surface	250	500	750	1, 000	1, 500	1, 770	Entered StCu, 1770 m.
	Direction	0	NW	NW	W	SW	WNW	N	
	Velocity, m. p. s	0	2. 2	3. 0	1. 4	2. 8	1. 8	1. 2	

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

9. Nov. 8, 1929. Kite. Launched: 15h 55m. Clouds: 9 StCu NW. Wind: NE—5.8 m. p. s. Rel. hum.: 79%. Specific hum.: 0.9 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp (° C.)	Potential temp. (° A.)
No. 22										
15h 55m	14	982.6	−15.6	258.6	----------	NE	14	982.6	−15.6	258.6
16h 00m	213	958	−15.6	260.6	0	NNW	250	953	−15.8	262.7
16h 15m	626	907	−18.5	261.6	.70	NNW	500	924	−17.5	261.3
16h 26m	1,279	830	−24.8	262.0	.96	NW	750	892	−19.8	261.8
18h 39m	1,575	797	−27.2	262.5	.81	WNW	1,000	863	−22.0	261.9
							1,500	805	−26.5	262.3
							1,575	797	−27.2	262.5

Hard snow flurry and squall from N from 16h 40m to 17h 25m. Heavy low St. Kite obscured. 18h 36m: 10 St WNW. 18h 41m: Kite entering St Cu. 18h 55m: Vy. lt. snow.

WINDS ALOFT

Nov. 8, 1929	Altitude, m	Surface	250	500	750	801	Entered StCu, 801 m.
13h 50m	Direction	WNW	WNW	NW	NW	NW	
	Velocity, m. p. s	4.0	9.0	11.4	12.1	12.2	

10. Nov. 9, 1929. Kite. Landed: 11h 58 m. Clouds: 2 Ci NNW, 3 StCu NNW, 2 Cu NNW. Wind: N—2.2 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (°A)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 23														
11h 45m	748	892	−18.5	263.0	0.65	89	0.9	NNW	750	892	−18.5	263.0	89	0.9
11h 50m	335	942	−15.8	261.8	.78	89	1.1	NNW	500	922	−16.9	262.2	84	.9
11h 58m	14	983.2	−13.3	261.0	-------	77	1.1	N	250	954	−15.2	261.4	81	1.0
									14	983.2	−13.3	261.0	77	1.1

Vy. fine lt. snow at 10h 54m. 9h 51m: 5 CiSt, 3 StCu NNW; hard snow squalls to NNE and NW.

WINDS ALOFT

Nov. 9, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	1,710
9h 14m	Direction	N	NNW	NNW	NNW	NNW	NNW	NNW
	Velocity, m. p. s	4.0	8.0	9.9	10.9	11.0	10.4	10.8

11. Nov. 12, 1929. Kite. Launched: 10h 45m. Clouds: 9 St SE. Wind: ESE—5.4 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 24														
10h 45m	14	986.3	−17.8	256.1	-------	83	0.8	ESE	14	986.3	−17.8	256.1	83	0.8
10h 48m	136	970	−17.8	257.4	.00	86	.9	SE	250	957	−18.3	258.0	88	.8
10h 49m	371	941	−18.8	258.6	.43	88	.8	SE	500	925	−19.1	259.8	92	.8
11h 09m	534	921	−19.1	260.0	.18	93	.8	ESE	750 [1]	897	−20.2	260.9	96	
11h 19m	738	898	−20.1	261.0	.49	95	.9	ESE						
Descent No. 25														
13h 56m	381	938	−18.8	259.2	0.13	82	0.7	E	381	938	−18.8	259.2	87	0.8
14h 20m	305	949	−18.7	258.2	−.43	78	.7	E	250	955	−18.7	257.5	79	.6
14h 24m	167	965	−19.3	256.4	.00	82	.7	E	14	985.6	−19.3	254.8	84	.7
14h 27m	14	985.6	−19.3	254.8	-------	84	.7	E						

Landed: 14h 27m. Wind: E–6.7 m. p. s. Clouds: 2 ACu ESE, 3 StCu ESE at 14h.

WINDS ALOFT

Nov. 12, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	1,710	Entered StCu, 990 m.
10h 08m	Direction	ESE	SE	SE	ESE	ESE	SE	SE	
	Velocity, m. p. s	8.1	10.0	9.4	7.4	9.0	15.7	16.2	

[1] Extrapolated from 738 m.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

11A. Nov. 13, 1929. Airplane take-off: 17h 24m. Clouds: 0. Wind: S—2.2 m. p. s. Rel. hum.: 74%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp (° C.)	Potential temp. (° A.)
No. 25A										
17h 24m	14	988.0	−22.2	251.6	----------	----------	14	988.0	−22.2	251.6
17h 31m	422	937	−18.3	295.5	−0.96	----------	250	958	−20.0	256.3
17h 35m	876	881	−13.1	269.5	−1.15	----------	500	928	−17.4	261.2
17h 49m	1,850	774	−19.6	272.7	.68	----------	750	897	−14.5	266.8
17h 52m	2,039	756	−19.6	274.6	.00	----------	1,000	869	−13.8	269.9
18h 02m	2,528	707	−23.6	275.5	.82	----------	1,500	813	−17.3	271.5
18h 14m	2,814	680	−25.7	276.4	.73	----------	2,000	760	−19.6	274.2
							2,500	710	−23.4	275.4
							2,814	680	−25.7	276.4

WINDS ALOFT

Nov. 13, 1929 20h 00m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,990
	Direction	E	E	ENE	NE	N	NNE	NE	NE	ENE	E	SE	E	E	E
	Velocity, m. p. s.	4.5	5.0	2.8	3.7	3.3	4.3	2.9	4.2	5.1	4.0	1.2	1.2	10.5	9.0

12. Nov. 14, 1929. Kite. Launched: 10h 22m. Clouds: 9 StCu NNE. Wind: ESE—8.0 m. p. s. Lt. drift. Rel. hum.: 82% Specific hum.: 0.9 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 26										
10h 22m	14	993.4	−16.1	257.4	----------	----------	14	993.4	−16.1	257.4
10h 26m	259	961	−14.9	261.0	−0.49	----------	250	962	−15.0	260.8
10h 46m	1,136	857	−19.5	265.2	.52	----------	500	933	−16.2	262.0
							750	902	−17.4	263.3
							1,000	872	−18.7	264.4
							1,136	857	−19.5	265.2
No. 27 Descent										
14h 55m	616	918	−15.3	264.0	−0.25	----------	616	918	−15.3	264.0
15h 20m	213	969	−14.3	261.0	−.70	----------	500	933	−15.0	263.0
15h 25m	14	995.1	−15.7	257.7	----------	----------	250	964	−14.4	261.3
							14	995.1	−15.7	257.7

Landed: 15h 25m. Clouds: 8 StCu NE. Wind: ESE—7.2 m. p. s. Rel. hum.: 80%. Specific hum.: 0.9 g/kg. Lt. drift. Kite entered St at 10h 41m. 1 inch of hard rime formed on all leading and lower lifting surface of kite while in heavy St layer.

WINDS ALOFT

Nov. 14, 1929 9h 40m	Altitude, m	Surface	250	500	750	1,000	1,105	Entered StCu, 1,105 m.
	Direction	E	ENE	NE	NE	NNE	N	
	Velocity, m. p. s.	8.5	11.4	11.1	13.5	15.9	18.0	

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

13. Nov. 16, 1929. Kite. Launched: 14h 30m. Clouds: Few Ci W. Wind: ESE—9.4 m. p. s. Lt. surface drift

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential Temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 28														
14h 30m	14	1008.0	−12.4	260.0	-------	75	1.1	ESE	14	1008.0	−12.4	260.0	75	1.1
14h 33m	473	950	−10.7	266.4	−0.37	64	1.2	ESE	250	977	−11.5	263.3	70	1.1
15h 19m	718	920	−10.6	268.9	−.04	54	1.0	ESE	500	947	−10.6	266.7	60	1.2
									718	920	−10.6	268.9	54	1.0

WINDS ALOFT

Nov. 16, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,010
10h 39m	Direction	E	E	ESE	ESE	ESE	E	ENE	NE	NW	WNW	W	W	W
	Velocity, m. p. s.	8.1	13.9	9.8	5.2	4.4	2.4	1.3	1.6	3.0	6.2	14.4	30.8	52.0

13A. Nov. 17, 1929. Airplane take-off: 10h 30m. Clouds: Few Ci. Wind: SW—1.8 m. p. s. Rel. hum.: 73%. Specific hum.: 1.1 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 28A										
10h 30m	14	1,008.0	−11.9	260.4	----------	----------	14	1,008.0	−11.9	260.4
10h 37m	687	924	−6.4	272.7	−0.82	----------	250	978	−10.0	264.9
10h 41m	973	891	−8.1	273.8	.59	----------	500	948	−8.0	269.2
10h 45m	1,279	858	−5.7	279.4	−.78	----------	750	917	−6.8	272.9
11h 00m	2,187	763	−10.7	283.5	.55	----------	1,000	889	−7.9	274.2
11h 27m	3,074	680	−12.7	290.9	.23	----------	1,500	835	−6.9	280.3
12h 00m	3,548	639	−15.1	293.2	.51	----------	2,000	782	−9.7	282.7
							2,500	733	−11.3	286.1
							3,000	686	−12.6	290.2
							3,548	639	−15.1	293.2

WINDS ALOFT

Nov. 17, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,830
10h 09m	Direction	Calm	SE	SE	SSE	SSE	S	SSW	SW	SW	SW	SW	WSW	WSW
	Velocity, m. p. s.	0	4.8	7.6	6.6	7.3	5.3	4.6	6.7	7.1	17.1	21.0	24.8	27.2

13B. Nov. 23, 1929. Airplane take-off: 10h 40m. Clouds: Few. Wind: S—1.8 m. p. s. Rel. hum.: 84%. Specific hum.: 1.3 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp (°C.)	Potential temp. (°A.)
No. 28B										
10h 40m	14	1,015.1	−11.9	259.9	----------	----------	14	1,015.1	−11.9	259.9
10h 42m	305	978	−7.3	267.3	−1.58	----------	250	984	−8.1	266.4
10h 50m	672	933	−7.7	270.6	.11	----------	500	954	−7.6	269.1
10h 57m	1,024	892	−9.9	271.8	.62	----------	750	924	−8.2	270.9
11h 20m	1,825	802	−16.3	273.5	.80	----------	1,000	895	−9.8	271.8
11h 43m	2,666	717	−19.9	278.5	.43	----------	1,500	839	−13.6	272.9
12h 10m	3,426	648	−26.5	279.2	.87	----------	2,000	785	−17.0	274.5
							2,500	735	−19.1	277.3
							3,000	688	−22.7	278.8
							3,426	648	−26.5	279.2

WINDS ALOFT

Nov. 23, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,190
8h 09m	Direction	SSW	SSE	SSW	WSW	WSW	WSW	WSW	W	WSW	SW	WSW	WSW	W	W
	Velocity, m. p. s.	2.2	3.7	2.6	3.0	4.1	5.5	7.3	7.1	7.7	6.4	13.0	18.2	16.4	13.0

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

14. Nov. 25, 1929. Kite. Launched: 15h 47m. Clouds: 1 ACu W. Wind: SW—5.8 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity Relative (percent)	Humidity Specific (g/kg.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity Relative (percent)	Humidity Specific (g/kg.)
No. 29														
15h 47m	14	1009.3	−12.8	259.5	-------	82	1.2	SW	14	1009.3	−12.8	259.5	82	1.2
15h 57m	279	975	−16.2	258.7	1.28	90	1.0	W	250	979	−15.7	258.8	90	1.0
15h 59m	442	953	−14.6	262.0	−.98	77	1.0	W	500	946	−14.4	262.9	74	1.0
16h 06m	621	932	−13.9	263.5	−.39	60	.8	W	750	916	−14.6	265.0	67	.9
16h 11m	1,177	864	−17.1	266.9	.58	52	.6	W	1,000	886	−16.0	266.1	58	.7
16h 34m	2,003	775	−19.0	273.3	.23	50	.6	W	1,500	830	−17.8	269.3	51	.6
									2,000	775	−19.0	273.3	50	.6

Kite above clouds; abandoned for night. 17h 30m: 10 St SW. Lt. snow.

WINDS ALOFT

Nov. 25, 1929 13h 50m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,030
	Direction	WNW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
	Velocity m. p. s.	4.5	8.6	12.5	16.8	16.1	13.1	16.7	18.7	20.3	21.9	22.9	24.2	24.2

15. Nov. 26, 1929. Kite. Landed: 17h 22m. Clouds: 9 StCu SE. Wind: SSW—6.7 m. p. s. Rel. hum.: 89%. Specific hum.: 1.0 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 30										
17h 03m	585	924	−14.7	264.2	0.31	----------	585	924	−14.7	264.2
17h 09m	325	956	−13.9	262.6	0	SSE	500	934	−14.5	263.6
17h 17m	238	967	−13.9	261.6	−1.03	SSE	250	965	−13.9	261.7
17h 19m	121	981	−15.1	259.2	−.19	----------	14	995.1	−15.3	258.0
17h 22m	14	995.1	−15.3	258.0	----------	SSW				

Vy. lt. snow from 15h 24m to 17 h 22m.

WINDS ALOFT

Nov. 26, 1929 13h 44m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,250	
	Direction	SW	S	S	SSE	SE	SE	SE	SE	Entered StCu, 2,250m.
	Velocity m. p. s.	5.8	7.4	6.1	6.7	8.4	8.4	10.1	10.3	

16. Nov. 27–28, 1929. Kite. Launched 20h 31m. Clouds: 4ACu 0. Wind: ESE—6.7 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential (°A.)	Lapse rate (°/100 m.)	Humidity Relative (percent)	Humidity Specific (g/kg.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity Relative (percent)	Humidity Specific (g/kg.)
No. 31														
Nov. 27														
20h 31m	14	991.4	−15.1	258.5	-------	87	1.0	ESE	14	991.4	−15.1	285.5	87	1.0
20h 44m	371	945	−13.2	264.1	−0.53	85	1.2	E	250	961	−13.9	262.0	86	1.2
22h 16m	1,207	847	−17.8	267.8	.55	79	.9	-------	500	930	−13.6	264.6	84	1.2
									750	900	−15.2	265.7	82	1.1
									1,000	870	−16.6	266.9	80	1.0
									1,207	847	−17.8	267.8	79	0.9
Descent No. 32														
Nov. 28														
7h 14m	1,442	826	−19.4	268.0	0.64	90	0.9	-------	1,442	826	−19.4	268.0	90	0.9
7h 56m	483	937	−13.3	264.6	.82	86	1.3	-------	1,000	874	−16.6	266.3	89	1.1
9h 20m	289	961	−11.7	264.3	0	76	1.2	E	750	904	−15.1	265.4	87	1.2
9h 31m	14	996.5	−11.7	261.6	-------	82	1.3	ESE	500	935	−13.6	264.7	86	1.2
									250	966	−11.7	263.8	76	1.2
									14	996.5	−11.7	261.6	82	1.3

Landed 9h 31m. Clouds: 4 StCu ENE. Wind: ESE—5.4 m. p. s. Kite up all night. 21h 03m: 2 ACu 0, 1 StCu ENE.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

16. Nov. 27–28, 1929. Kite. Launched 20h 31m. Clouds: 4ACu 0. Wind: ESE—6.7 m. p. s.—Continued

WINDS ALOFT

Nov. 27, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,505	Entered ACu, 2,505 m.
19h 16m	Direction	ESE	E	E	ENE	ENE	ESE	SSE	SW	
	Velocity m. p. s	5.4	11.3	10.3	8.4	6.6	2.7	2.3	0.5	
Nov. 28, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	1,890	Entered ASt, 1,890 m.	
10h 50m	Direction	ESE	E	E	ENE	E	ENE	ENE		
	Velocity m. p. s	5.4	7.4	3.8	3.2	5.3	8.0	6.4		

SOUTH POLAR FLIGHT

17. Nov. 28–29, 1929. Take-off: Nov. 28, 15h 29m. Clouds: —. Wind: ESE—6.7 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity: Relative (percent)	Humidity: Specific (g/kg.)	Position: Lat.	Position: Long.	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity: Relative (percent)	Humidity: Specific (g/kg.)
No. 33															
Nov. 28															
15h 29m	14	997.3	−11.1	262.1	--------	81	1.3	78°34′ S	163°56′ W	14	997.3	−11.1	262.1	81	1.3
15h 31m	152	981	−8.5	266.0	−1.88	69	1.4	--------	--------	250	968	−8.6	266.9	65	1.3
15h 46m	478	940	−9.1	268.6	.18	54	1.1	--------	--------	478	940	−9.1	268.6	54	1.1
17h 02m	524	933	−8.6	269.8	--------	44	.9	--------	--------						
18h 04m	493	939	−7.7	270.3	--------	23	.5	--------	--------						
18h 19m	351	954	−9.2	267.2	--------	25	.5	81°54′ S	163°45′ W						
18h 46m	539	932	−9.4	269.0	--------	34	.6	--------	--------						
19h 03m	458	942	−7.9	269.8	--------	41	.9	--------	--------						
19h 20m	437	945	−7.9	269.5	--------	42	.9	--------	--------						
19h 26m	458	942	−5.0	272.7	--------	36	1.0	--------	--------						
20h 13m	524	933	−4.7	273.6	--------	26	.7	--------	--------						
20h 18m	218	971	−3.2	272.0	--------	25	.8	84°15′ S	163°45′ W						
20h 32m	1,172	861	−8.6	276.5	--------	27	.3	--------	--------						
21h 00m	2,151	757	−17.8	276.0	--------	31	.7	--------	--------						
21h 24m	2,764	696	−20.4	280.3	--------	31	.3	85°04′ S	168°30′ W						
22h 52m	3,008	674	−23.5	279.4	--------	26	.2	--------	--------						
23h 12m	3,023	673	−23.6	279.5	--------	27	.2	87°15′ S	171°00′ W						
Nov. 29															
0h 27m	3,008	674	−25.6	277.1	--------	34	.2	--------	--------						
1h 15m [1]	3,151	663	−25.4	278.7	--------	34	.2	90°00′S	--------						
3h 01m	3,166	660	−24.9	279.6	--------	39	.3	--------	--------						
No. 34															
3h 26m	3,278	649	−24.9	281.0	0.07	38	.03	86°07′ S	169°12′ W	3,278	649	−24.9	281.0	38	0.3
3h 48m	3,006	673	−24.7	278.3	.62	36	.3	--------	--------	3,000	674	−24.6	278.2	36	.3
3h 58m	2,462	724	−21.3	276.2	.00	36	.4	--------	--------	2,500	720	−21.7	276.4	36	.3
4h 12m	2,176	752	−21.3	273.2	1.01	36	.3	--------	--------	2,000	774	−19.3	273.2	35	.4
4h 43m	335	958	−2.7	273.7	−1.74	28	.9	--------	--------	1,500	825	−14.4	273.3	33	.5
4h 45m [2]	157	980	−5.8	268.8	--------	-----	-----	84°54′ S	166°10′ W	1,000	883	−9.2	273.4	31	.7
5h 57m [3]	-------	-------	-------	-------	--------	-----	-----	84°54′ S	166°10′ W	750	910	−6.7	273.6	30	.7
7h 33m	590	928	−6.4	272.4	--------	26	0.6	--------	--------	500	938	−4.4	273.6	29	.9
7h 57m	575	930	−8.4	270.2	--------	27	0.6	--------	--------	250	968	−4.2	271.3	38	1.2
8h 11m	575	930	−11.4	267.1	--------	36	0.6	81°32′ S	165°00′ W	157	980	−5.8	268.8	-----	-----
No. 35															
10h 01m	876	896	−13.1	268.4	0.64	54	0.8	--------	--------	876	896	−13.1	268.4	54	0.8
10h 08m	157	980	−8.5	266.1	−1.47	54	1.1	--------	--------	750	910	−12.2	267.9	55	.9
10h 09m	14	995.4	−10.6	262.7	--------	65	1.1	78°34′ S	163°56′ W	500	939	−10.6	267.3	54	1.0
										250	967	−9.0	266.4	54	1.0
										14	995.4	−10.6	262.7	65	1.1

[1] Over South Pole. [2] Landed at Josephine Ford Fuel Depot. [3] Took off from Josephine Ford Fuel Depot.

Landed: Nov. 29, 10h 09m. Clouds: 0. Wind: ENE—1.3 m. p. s.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

17. Nov. 28–29, 1929. Take-off: Nov. 28, 15h 29m. Clouds:—. Wind: ESE—6.7 m. p. s.—Continued

WINDS ALOFT

Nov. 28, 1929 13h 30m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,430	Entered StCu, 2,430 m.						
	Direction	ESE	ESE	SE	SE	SE	ESE	ESE	ESE							
	Velocity, m. p. s.	5.4	8.0	6.1	5.8	6.5	7.0	7.2	10.0							
Nov. 29, 1929 3h 52m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,370	
	Direction	SE	SE	SW	S	SSE	WNW	SE	SE	SE	ESE	SE	SE	SE	SSE	
	Velocity, m. p. s.	1.8	2.6	1.6	1.3	1.7	1.9	0.6	2.0	2.6	13.2	18.6	19.0	25.0	25.4	

18. Nov. 30, 1929. Kite. Launched: 10h 55m. Clouds: 2Ci, Few StCu ENE. Wind: ESE—7.2 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 36														
10h 55m	14	994.8	−9.4	264.0	-------	81	1.5	ESE	14	994.8	−9.4	264.0	81	1.5
10h 59m	381	949	−10.0	267.0	0.16	73	1.4	E	250	965	−9.8	265.9	77	1.5
11h 15m	677	913	−11.7	268.2	.57	66	1.1	E	500	934	−10.7	267.4	71	1.3
									677	913	−11.7	268.2	66	1.1

WINDS ALOFT

Nov. 30, 1929 9h 34m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,150
	Direction	ESE	E	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE
	Velocity m. p. s.	8.1	11.7	8.3	6.1	5.8	3.8	5.3	6.7	6.7	7.5

EASTERN AIRPLANE FLIGHT

19. Dec. 5, 1929. Take-off 10h 50m. Clouds: Few ASt. Wind: SW—1.8 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)	Lat.	Long.					Relative (percent)	Specific (g/kg.)
No. 48															
10h 50m	14	1,007.2	−7.8	264.6	--------	86	1.8	78°34′ S	163°56′ W	14	1,007.2	−7.8	264.6	86	1.8
10h 54m	310	970	−2.2	273.2	−1.9	49	1.6	--------	--------	250	977	−3.2	271.6	55	1.7
11h 00m	509	946	−1.6	275.8	−.30	38	1.4	--------	--------	500	947	−1.6	275.6	39	1.4
11h 25m	861	905	−2.7	278.2	.31	21	.7	--------	--------	750	916	−2.4	277.4	26	.9
11h 45m	1,258	857	−2.9	282.2	.05	36	1.3	77°50′ S	158°12′ W	1,000	856	−2.8	279.8	27	.9
12h 00m	1,258	856	−.3	285.2	--------	22	1.0	--------	--------	1,258	857	−2.9	282.2	36	1.3
12h 25m	1,442	839	−2.6	284.6	--------	18	.7	77°15′ S	155°04′ W						
14h 05m	1,371	847	−7.0	279.2	--------	50	.1	75°37′ S	148°22′ W						
16h 03m	1,167	867	−1.7	282.7	--------	22	.9	77°10′ S	152°10′ W						
No. 49															
17h 32m	1,462	836	−5.2	282.0	0.22	37	1.2	78°04′ S	159°53′ W	1,462	836	−5.2	282.0	37	1.2
18h 29m	412	958	−2.9	273.4	.47	68	2.2	--------	--------	1,000	886	−4.2	278.3	50	1.6
18h 37m	284	974	−2.3	272.6	−1.81	44	1.4	--------	--------	750	916	−3.7	276.3	58	1.9
18h 42m	14	1,007.0	−7.2	265.4	--------	76	1.7	78°34′ S	163°56′ W	500	948	−3.1	274.3	66	2.1
										250	977	−2.7	272.0	46	1.5
										14	1,007.0	−7.2	265.4	76	1.7

Landed: 18h 42m. Clouds: 7ACu, Few St. Wind: 0. 14h 10m: Turned back at 75°37′ S—148°07′ W.

WINDS ALOFT

Dec. 5, 1929 9h 08m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	10,890
	Direction	SW	SSW	SW	SW	SW	SW	SW	WSW	NNW	NNE	NNE	NNE	NNW	NNW	SSE
	Velocity m. p. s.	2.7	6.7	8.0	8.5	9.5	12.2	10.3	6.8	5.9	6.7	11.5	12.1	13.5	7.8	3.5
Dec. 5, 1929 21h 36m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,130			
	Direction	SSW	WSW	WSW	WSW	WSW	W	WNW	NW	NW	N	N	N			
	Velocity m. p. s.	2.7	5.0	6.5	6.9	7.2	6.2	4.4	6.0	7.6	12.1	16.8	16.8			

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

BAY OF WHALES MAPPING FLIGHT

19A. Dec. 7, 1929. Airplane. Take-off 11h 31m. Clouds: Few Ci. Wind: SW—3.6 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity Relative (percent)	Humidity Specific (g/kg.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity Relative (percent)	Humidity Specific (g/kg.)
No. 49A													
11h 31m	14	1,002.1	−8.9	264.0	--------	85	1.7	14	1,002.1	−8.9	264.0	85	1.7
11h 35m	391	956	−7.2	269.4	−0.45	69	1.6	250	973	−7.8	281.0	76	1.7
11h 44m	1,258	853	−11.4	273.8	.48	88	1.7	500	942	−7.7	278.9	72	1.6
11h 51m	1,758	799	−14.0	276.2	.52	56	.9	750	912	−9.0	275.0	77	1.6
11h 56m	2,059	767	−14.0	279.4	.00	43	.7	1,000	884	−10.1	272.4	83	1.7
12h 08m	2,671	708	−18.1	281.4	.67	35	.5	1,500	828	−12.7	271.1	73	1.3
								2,000	773	−14.0	269.9	46	.8
								2,500	724	−17.0	267.3	37	.5
								2,671	708	−18.1	281.4	35	.5

WINDS ALOFT

Dec. 7, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,000	8,000	8,725
9h 00m	Direction	WSW	SW	SW	SW	SW	SW	WSW	W	W	W	W	W	W	W	W
	Velocity m. p. s.	2.2	3.2	4.1	5.4	5.3	5.5	5.3	6.7	7.0	12.5	13.7	21.9	24.2	22.6	21.8

20. Dec. 10–11, 1929. Kite. Launched: Dec. 10, 21h 06 m. Clouds: 9 StCu (0?). Wind: SE—7.6 m. p. s. Lt. drift

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity Relative (percent)	Humidity Specific (g/kg.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity Relative (percent)	Humidity Specific (g/kg.)
No. 50														
Dec. 10														
21h 06m	14	1,002.6	−8.9	264.2	-------	88	1.7	SE	14	1,002.6	−8.9	264.2	88	1.7
21h 09m	284	966	−10.5	265.1	0.59	88	1.6	ESE	250	970	−10.3	265.0	88	1.6
22h 05m	473	944	−10.6	266.9	.05	100	1.8	ESE	473	944	−10.6	266.9	100	1.8
Descent No. 51														
Dec. 11														
9h 07m	1,569	822	−13.6	274.4	0.21	57	1.0	SE	1,569	822	−13.6	274.4	57	1.0
9h 51m	743	916	−11.9	267.9	.29	60	.9	S	1,500	830	−13.4	273.8	57	.9
9h 59m	268	975	−10.5	264.3	.87	65	1.1	S	1,000	886	−12.5	269.8	60	1.0
10h 09m	14	1,007.3	−8.3	264.2	-------	81	1.6	S	750	917	−11.9	267.7	60	1.0
									500	947	−11.2	266.0	63	1.1
									250	978	−10.4	264.4	65	1.1
									14	1,007.3	−8.3	964.2	81	1.6

Landed: Dec. 11, 10h 09m. Clouds: 4 StCu S. Wind: S—4.5 m. p. s. Dec. 10, 21h 39m: 9 StCu. Dec. 11, 9h 00m: 1 StCu SSE.

WINDS ALOFT

Dec. 10, 1929	Altitude, m	Surface	250	500	750	1,000	1,440	Entered StCu 1,440m.
15h 43m	Direction	ESE	ESE	SE	WSW	WNW	WNW	
	Velocity, m. p. s.	2.2	9.7	4.7	1.3	2.3	3.2	

Dec. 11, 1929	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,790	Entered ACu, 2,790 m.
11h 23m	Direction	SSW	S	S	S	SSE	SSE	SSW	SSW	S	
	Velocity, m. p. s.	5.4	5.2	6.5	8.1	7.7	7.3	7.5	6.6	6.5	

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

21. Dec. 11–12, 1929. Kite. Launched: Dec. 11, 23h 08 m. Clouds: Few ASt S, 3 ACu S. Wind: SW—4.0 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 52														
Dec. 11														
23h 08m	14	976.5	−10.8	264.0	-------	72	1.2	SW	14	976.5	−10.8	264.0	72	1.2
23h 14m	80	967	−10.8	264.8	0.00	70	1.2	SW	250	946	−9.9	267.4	69	1.3
23h 27m	418	926	−9.0	269.9	−.53	69	1.4	SW	500	916	−9.3	270.3	68	1.4
23h 30m	881	870	−10.6	272.2	.35	67	1.3	SW	750	886	−10.1	272.2	67	1.3
Dec. 12														
0h 05m	1,452	808	−12.8	276.6	.39	45	.8	SW	1,000	858	−11.0	273.9	60	1.1
0h 48m	1,884	762	−15.6	278.3	.65	34	.5	SSW	1,500	803	−13.2	276.8	45	.8
									1,884	762	−15.6	278.3	34	.5
Descent No. 53														
9h 03m	1,187	836	−12.1	274.6	−0.05	66	1.2	-------	1,187	836	−12.1	274.6	66	1.2
9h 15m	978	860	−12.2	272.4	.56	65	1.1	-------	1,000	857	−12.2	272.7	65	1.1
9h 19m	187	952	−7.8	269.0	0.00	-------	-------	-------	750	886	−10.9	271.4	70	1.3
9h 21m	34	970.0	−7.8	267.5	-------	83	1.8	SW	500	915	−9.5	270.4	75	1.5
									250	944	−8.1	269.3	79	1.7
									34	970.0	−7.8	267.5	83	1.8

Landed: Dec. 12, 9h. 21m. Kite landed on barrier.

WINDS ALOFT

Dec. 11, 1929 21h 51m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,510	Entered ACu, 3,510 m.	
	Direction	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	S		
	Velocity m. p. s.	4.0	9.4	10.8	11.7	12.0	10.0	9.3	9.6	9.5	4.9		
Dec. 12, 1929 9h 00m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,670
	Direction	WSW	SW	SSW	SSW	SSW	SW	WSW	WSW	WSW	SW	SW	SW
	Velocity, m. p. s.	1.8	4.3	4.6	7.2	8.7	7.2	5.4	5.3	6.9	10.2	12.3	16.5

22. Dec. 13, 1929. Kite. Launched: 13h 00m. Clouds: 9 StCu S. Wind: SE—7.2 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 54														
13h 00m	14	1,005.6	−6.0	266.6	-------	93	2.2	SE	14	1,005.6	−6.0	266.6	93	2.2
13h 02m	238	978	−7.8	266.8	0.80	93	2.0	SE	250	976	−7.8	267.0	94	2.1
14h 04m	473	949	−8.0	269.0	.08	98	2.2	ESE	473	949	−8.0	269.0	98	2.2

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

23. Dec. 15, 1929. Kite. Launched: 10h 02m. Clouds: 9 St W. Wind: NE—6. 3 m. p. s. Vy. lt. snow

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 55														
10h 02m	14	1, 006. 3	−7. 9	264. 6	-------	87	1. 8	NE	14	1, 006. 3	−7. 9	264. 6	87	1. 8
10h 37m	264	974	−8. 4	266. 5	0. 20	99	1. 9	N	250	976	−8. 3	266. 4	97	2. 0
10h 57m	978	887	−10. 6	271. 6	. 31	96	1. 8	-------	500	946	−8. 9	268. 2	97	2. 0
									750	914	−9. 8	270. 0	96	1. 9
									978	887	−10. 6	271. 6	96	1. 8

Kite entered St at 10h 37m. ¾-inch deposit of rime on kite and wire. Kites forced down by diminished wind and weight of rime.

WINDS ALOFT

Dec. 15, 1929	Altitude, m	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	3, 150
18h 10m	Direction	W	W	W	W	W	SSW	SSW	W	W	W
	Velocity m. p. s	1. 3	4. 4	4. 7	6. 7	8. 7	11. 3	11. 0	10. 1	13. 3	14. 4

24. Dec. 17, 1929. Kite. Launched: 14h 44m. Clouds: 9 ACu NE. Wind: ESE—8.0 m. p. s. Lt. drift.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 56														
14h 44m	14	1, 002. 1	−7. 3	265. 6	-------	90	2. 0	ESE	14	1, 002. 1	−7. 3	265. 6	90	2. 0
14h 50m	315	965	−7. 2	268. 6	−0. 03	76	1. 8	SE	250	973	−7. 2	267. 8	78	1. 8
15h 03m	432	951	−7. 5	269. 5	. 26	66	1. 5	ESE	500	943	−6. 9	270. 5	70	1. 7
15h 27m	550	937	−6. 4	271. 8	−. 93	77	2. 0	ESE	550	937	−6. 4	271. 8	77	2. 0
Descent No. 57														
19h 15m	758	911	−5. 9	274. 6	−0. 96	64	1. 7	-------	758	911	−5. 9	274. 6	64	1. 7
19h 30m	371	958	−9. 6	266. 6	. 34	97	1. 9	ESE	750	912	−6. 0	274. 2	65	1. 7
19h 36m	14	1, 002. 7	−8. 4	264. 4	-------	92	1. 9	ESE	500	943	−8. 4	269. 0	87	1. 9
									250	973	−9. 2	265. 8	96	1. 9
									14	1, 002. 7	−8. 4	264. 4	92	1. 9

Landed: 19h 36m. Clouds: Few ACu NE, 9 St ESE. Wind: ESE—7.6 m. p. s. Lt. drift. 16h 13m: 8 ACu NE, 1St ESE.

WINDS ALOFT

Dec. 17, 1929	Altitude, m	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	3, 690	Entered ACu, 3,690 m.
10h 46m	Direction	SSE	ESE	ESE	ESE	ESE	SE	NNE	E	NNE	NE	
	Velocity m. p. s	0. 9	4. 8	9. 7	8. 8	7. 1	7. 3	5. 9	6. 7	7. 1	7. 3	

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

25. Dec. 19, 1929. Kite. Launched: 15h 19m. Clouds at 14h 40m: 3 CiSt, 1 StCu ENE. Wind: ESE—5.4 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 58														
15h 19m	14	1,008.6	−2.8	269.6	-------	85	2.6	ESE	14	1,008.6	−2.8	269.6	85	2.6
15h 28m	606	936	−5.7	272.5	0.49	79	2.1	E	250	980	−3.9	270.7	75	2.2
16h 18m	810	912	−6.9	273.2	.59	82	2.0	E	500	950	−5.2	271.9	71	2.0
									750	919	−6.6	273.1	75	1.9
									810	912	−6.9	273.2	82	2.0
Descent No. 59														
19h 01m	794	915	−6.5	273.4	0.43	77	2.0	SSE	794	915	−6.5	273.6	77	2.0
19h 31m	126	995	−3.6	269.7	0.00	69	2.0	SE	750	920	−6.3	273.1	76	2.0
19h 34m	14	1,008.2	−3.6	268.8	-------	79	2.3	ESE	500	951	−5.3	271.8	73	2.0
									250	980	−4.2	270.6	70	2.0
									14	1,008.2	−3.6	268.8	79	2.3

Landed: 19h 34m. Wind: ESE—5.8 m. p. s. Clouds at 19h 36m: Few Ci, ACu. At 20h 27m: Few Ci, few ACu.

WINDS ALOFT

Dec. 19, 1929 13h 47m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,030	
	Direction	ESE	ESE	E	NNE	NE	NNE	E	ESE	ESE	ESE	ESE	ESE	ESE	
	Velocity, m. p. s.	5.4	6.6	6.1	7.7	8.6	4.3	4.1	3.4	6.5	6.2	8.1	10.8	10.8	
Dec. 19, 1929 21h 30m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	11,250
	Direction	SE	ESE	SE	SSE	SE	ESE	E	ESE	E	ENE	NE	NE	NE	NNE	NE
	Velocity m. p. s.	5.4	11.9	8.4	7.4	5.7	5.8	5.8	7.1	5.3	4.5	7.8	9.7	10.0	10.9	7.0

26. Dec. 20, 1929. Kite. Launched: 10h 31m. Clouds: 6 ASt ENE, 3 ACu ENE. Wind: SE–6.3 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 60														
10h 31m	14	1,003.9	−2.7	270.0	-------	74	2.4	SE	14	1,003.9	−2.7	270.0	74	2.4
10h 40m	463	949	−2.3	274.8	−0.09	55	1.9	ESE	250	975	−2.5	272.3	64	2.1
10h 56m	595	933	−2.0	276.4	−.23	48	1.8	ESE	500	944	−2.3	275.2	54	1.8
11h 25m	1,559	824	−6.5	281.6	.47	58	1.7	E	750	915	−2.7	277.1	48	1.6
12h 49m	2,559	725	−14.2	283.5	.77	92	1.7	E	1,000	887	−3.9	278.6	52	1.7
									1,500	832	−6.2	281.2	57	1.7
									2,000	780	−9.9	282.7	74	1.7
									2,500	731	−13.7	283.9	90	1.6
									2,559	725	−14.2	283.5	92	1.7
Descent No. 61														
13h 51m	2,268	752	−13.0	282.1	0.29	91	1.9	-------	2,268	752	−13.0	282.1	91	1.9
14h 13m	1,957	784	−12.1	279.8	.79	91	1.8	-------	2,000	780	−12.3	280.1	91	1.8
19h 20m	932	895	−4.0	277.7	.54	45	1.5	E	1,500	832	−8.5	278.9	72	1.7
19h 39m	524	941	−1.8	276.2	−1.00	37	1.4	E	1,000	887	−4.6	277.9	49	1.5
19h 44m	284	969	−4.2	271.3	0.00	52	1.5	E	750	915	−3.0	277.0	42	1.4
19h 45m	14	1,000.9	−4.2	268.8	-------	73	2.0	E	500	944	−2.0	275.5	38	1.3
									250	973	−4.2	270.9	56	1.6
									14	1,000.9	−4.2	268.8	73	2.0

Landed: 19h 45 m. Clouds: 9 ASt E. Wind: E—6.7 m. p. s. Lt. drift. 11h 40m: 9 ASt E. Kite entered ASt at about 2,000 m.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

26. Dec. 20, 1929. Kite. Launched: 10h 31m. Clouds: 6 ASt ENE, 3ACu ENE. Wind: SE–6.3 m. p. s.—Continued

WINDS ALOFT

Dec. 20, 1929 9h 32m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,250	Entered ACu, 2,250 m.		
	Direction	SE	ESE	ESE	SE	ESE	E	ENE	ENE			
	Velocity, m. p. s.	6.3	13.7	6.0	5.9	7.0	7.5	10.7	11.4			
Dec. 20, 1929 20h 47m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,510	Entered ASt, 3,510 m.
	Direction	E	ESE	E	E	E	SE	ESE	ESE	E	ESE	
	Velocity, m. p. s.	6.3	14.6	14.5	9.5	3.6	4.2	14.8	14.9	15.4	12.2	

27. Sept. 1, 1934. Airplane. Take-off 13h 05m. Clouds: 10ASt. Wind: S–5.4 m. p. s. Rel. hum.: 80%. Specific hum.: 0.1 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 2									
13h 05m	14	967.4	−39.0	236.3		14	967.4	−39.0	236.3
13h 07m	254	934	−26.5	251.3	−5.21	250	934	−27.0	250.8
13h 18m	1,034	836	−22.0	264.4	−5.77	500	904	−25.2	255.1
13h 23m	1,309	805	−18.8	270.6	−1.16	750	871	−23.7	259.5
13h 43m	1,850	748	−22.3	272.6	.65	1,000	840	−22.2	263.7
						1,500	784	−20.1	271.2
						1,850	748	−22.3	272.6

WINDS ALOFT

Sept. 1, 1934 10h 18m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,510	Entered ASt, 3,510 m.
	Direction	SW	S	S	SSE	SSE	SE	ESE	NNE	NNE	NNE	
	Velocity, m. p. s.	3.1	9.4	10.4	10.4	10.3	7.0	5.4	9.0	12.3	12.6	

28. Sept. 3, 1934. Airplane. Take-off 9h 22m. Clouds: Few StCu. Wind: S—3.1 m. p. s. Rel. hum.: 78%. Specific hum.: 0.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 3											
9h 22m	14	947.2	−38.3	238.2		78°34′S	163°56′W	14	947.2	−38.3	238.2
9h 26m	240	917	−22.5	256.8	−6.99			250	916	−22.5	256.9
9h 31m	468	889	−20.5	261.1	−.88			500	887	−20.7	261.1
9h 59m	1,952	725	−26.3	270.6	.39			750	856	−21.8	262.8
10h 30m	2,748	650	−29.9	275.2	.45			1,000	826	−22.8	264.4
								1,500	773	−24.6	267.5
								2,000	721	−26.4	270.9
								2,500	673	−28.8	273.7
								2,748	650	−29.9	275.2

NOTE BY PILOT.—As far as could be seen, some 20 to 30 miles, the Ross Sea was frozen over. There were many cracks from which seasmoke poured. At the entrance of the Bay of Whales was a very large crack which extended from West Cape nearly to East Cape.

WINDS ALOFT

Sept. 3, 1934 9h 48m	Altitude, m	Surface	250	500	750	1,000	1,350	
	Direction	SSE	SE	E	E	ENE	ENE	
	Velocity, m. p. s.	3.6	8.2	9.3	10.8	20.5	20.0	
Sept. 3, 1934 10h 22m	Altitude, m	Surface	250	500	750	1,000	1,500	1,710
	Direction	S	E	ENE	ENE	ENE	ENE	ENE
	Velocity, m. p. s.	2.2	9.2	16.1	18.3	19.7	14.5	12.5

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

29. Sept. 4, 1934. Airplane. Take-off 9h 21m. Clouds: 9 St. Wind: N—0.9 m. p. s. Rel. hum.: 77%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 4					
9h 21m	14	952.8	−39.7	236.2	----------	14	952.8	−39.7	236.2
9h 28m	351	910	−29.9	249.9	−2.91	250	923	−33.0	245.5
						351	910	−29.9	249.9

Flight discontinued because of low ceiling and poor visibility.

30. Sept. 6, 1934. Airplane. Take-off 12h 25m. Clouds: 5 ASt. Wind: W—1.8 m. p. s. Rel. hum.: 82%. Specific hum.: 0.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 5					
12h 25m	14	980.6	−37.4	237.0	----------	14	980.6	−37.4	237.0
12h 30m	198	956	−28.6	247.8	−4.77	250	950	−28.4	248.2
12h 34m	361	932	−28.0	250.0	−.37	500	915	−26.3	253.2
12h 38m	565	907	−25.4	254.6	−1.27	750	884	−26.1	255.9
12h 43m	1,320	815	−28.0	259.8	.34	1,000	854	−26.9	257.5
12h 54m	1,508	792	−27.8	262.2	.11	1,500	793	−27.8	260.1
13h 02m	1,738	768	−29.1	263.1	.56	2,000	740	−29.8	265.2
13h 10m	2,049	735	−29.9	265.5	.26	2,166	722	−28.9	268.2
13h 13m	2,166	722	−28.9	268.2	−.85				

WINDS ALOFT

Sept. 6, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,610
13h 02m	Direction	WNW	SW	SW	SW	SW	WSW	W	WNW	WNW
	Velocity, m. p. s	2.2	5.5	10.9	14.6	15.9	11.5	8.8	7.9	7.5

31. Sept. 7, 1934. Airplane. Take-off 9h 47m. Clouds: 0. Wind: W-3.1 m. p. s. Rel. hum.: 76%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 6					
9h 47m	14	978.7	−45.2	229.2	----------	14	978.7	−45.2	229.2
9h 54m	463	917	−31.0	247.9	−3.16	250	946	−38.0	238.6
9h 57m	555	903	−25.8	254.4	−5.66	500	910	−28.8	250.8
10h 00m	748	879	−24.6	257.8	−.62	750	879	−24.6	257.8
10h 10m	1,126	836	−26.7	259.4	.56	1,000	850	−26.0	259.0
10h 14m	1,320	812	−25.6	262.7	−.57	1,500	793	−26.9	263.1
10h 25m	2,018	737	−30.5	264.8	.70	2,000	739	−30.4	264.8
10h 31m	2,329	705	−30.7	267.9	.06	2,500	689	−30.6	270.0
10h 36m	2,472	692	−30.4	269.8	−.21	2,656	673	−30.7	271.8
10h 42m	2,544	683	−30.7	270.5	.42				
10h 47m	2,656	673	−30.7	271.8	0.00				

WINDS ALOFT

Sept. 7, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	1,890
10h 06m	Direction	W	SW	SSW	SSW	SSW	SW	SW
	Velocity, m. p. s	2.7	3.1	15.4	22.4	19.8	17.6	10.8
Sept. 7, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	1,890
10h 40m	Direction	SW	SW	SSW	SSW	SSW	SW	SW
	Velocity, m. p. s	4.5	9.1	15.7	21.2	18.2	15.7	12.3

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

32. Sept. 10, 1934. Airplane. Take-off 15h 15m. Clouds: 5 ASt. Wind: SW—3.1 m. p. s. Rel. hum.: 77%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 7					
15h 15m	14	982.1	−45.6	228.6		14	982.1	−45.6	228.6
15h 21m	391	931	−31.4	246.6	−3.77	250	951	−36.8	239.7
15h 29m	866	869	−30.4	252.7	−.21	500	916	−31.2	248.0
15h 36m	1,151	835	−26.9	259.2	−1.23	750	884	−30.6	251.1
15h 44m	1,468	798	−26.5	263.0	−.13	1,000	853	−28.8	255.6
15h 51m	1,886	752	−28.4	265.3	.45	1,500	794	−26.7	263.2
15h 59m	2,197	721	−28.0	269.2	−.13	2,000	741	−28.3	266.9
16h 20m	2,513	690	−30.0	270.4	.63	2,500	691	−29.9	270.3
						2,513	690	−30.0	270.4

WINDS ALOFT

Sept. 10, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,050
12h 58m	Direction	SW	SW	SW	WSW	W	WNW	WNW	NW	WNW	W
	Velocity, m. p. s.	4.5	7.5	7.2	7.2	6.2	5.5	7.1	5.1	5.6	4.2

33. Sept. 11, 1934. Airplane. Take-off 14h 10m. Clouds: 3 CiSt. Wind: SE—2.7 m. p. s. Rel. hum.: 77%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 8					
14h 16m	14	985.7	−44.2	229.7		14	985.7	−44.2	229.7
14h 20m	208	957	−32.9	243.0	−5.82	250	952	−32.4	243.8
14h 22m	386	933	−29.9	247.8	−1.68	500	920	−29.4	249.5
14h 36m	1,146	839	−25.6	260.3	−.57	750	888	−27.9	253.6
14h 44m	1,442	805	−25.1	263.6	−.17	1,000	857	−26.4	257.8
14h 59m	2,181	727	−27.2	269.5	.28	1,500	799	−25.3	264.2
						2,000	745	−26.7	268.1
						2,181	727	−27.2	269.5

WINDS ALOFT

Sept. 11, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,670
13h 02m	Direction	SE	ESE	ESE	ESE	E	WSW	NNW	NNW	WSW	W	WNW	W
	Velocity, m. p. s.	1.3	10.2	8.4	5.5	4.0	1.6	1.3	2.1	3.0	7.7	8.8	10.7

34. Sept. 12, 1934. Airplane. Take-off 9h 44m. Clouds: 8 Ci NW. Wind: S—5.8 m. p. s. Rel. hum.: 76%. Specific hum.: 0.1 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 9					
9h 44m	14	984.1	−46.9	227.1		14	984.1	−46.9	227.1
9h 48m	381	934	−27.9	250.0	−5.18	250	953	−34.9	241.4
9h 57m	932	866	−22.4	261.3	−1.00	500	920	−26.8	252.2
10h 05m	1,371	814	−22.5	265.6	.02	750	888	−24.2	257.4
10h 19m	2,278	719	−26.5	271.1	.44	1,000	858	−22.4	261.8
10h 24m	2,564	691	−29.3	271.0	.98	1,500	801	−23.0	266.4
10h 34m	2,799	670	−28.6	274.4	−.30	2,000	747	−25.3	269.4
10h 41m	2,962	654	−30.4	274.0	1.10	2,500	697	−28.7	271.0
10h 46m	3,023	649	−30.4	274.6	0.00	3,000	651	−30.4	274.5
						3,023	649	−30.4	274.6

WINDS ALOFT

Sept. 12, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,370
10h 15m	Direction	SW	SE	SE	SSE	SSE	SE	SE	SE	WNW	NW	WNW	NW	NW	NW
	Velocity, m. p. s.	3.1	4.5	5.7	4.8	5.5	3.5	2.7	3.6	0.3	8.2	9.2	10.1	10.9	11.0

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

35. Sept. 16, 1934. Airplane. Take-off 13h 40m. Clouds: 2 Ci. Wind: SE—1.8 m. p. s. Rel. hum.:79%. Specific hum.: 0.1 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 10									
13h 40m	14	986.5	−40.6	233.3	----------	14	986.5	−40.6	233.3
13h 43m	289	949	−25.2	251.6	−5.60	250	954	−27.4	249.0
14h 02m	1,034	855	−28.4	255.9	.43	500	922	−26.1	252.8
14h 05m	1,218	833	−28.2	258.4	−.11	750	889	−27.2	254.2
14h 18m	2,105	736	−32.9	262.5	.53	1,000	860	−28.3	255.6
14h 21m	2,207	725	−33.9	262.4	.98	1,500	801	−29.6	259.4
14h 25m	2,268	718	−33.9	263.0	0.00	2,000	746	−32.3	261.9
14h 32m	2,574	688	−35.8	264.3	.62	2,500	695	−35.3	263.9
14h 44m	2,778	668	−36.3	265.9	.25	2,778	668	−36.3	265.9

15h 20m: Clouds 0.

WINDS ALOFT

Sept. 16, 1934 10h 05m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	11,610
Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	11,610
Direction	E	E	E	ENE	ENE	NNE	NW	WNW	NNW	NW	NW	N	E	NNE	NNE
Velocity, m. p. s.	6.7	8.7	5.0	3.8	2.6	2.5	1.9	2.9	2.1	4.1	1.6	3.9	1.5	4.0	9.6

36. Sept. 17, 1934. Airplane. Take-off 12h 03m. Clouds: 0. Wind: SW—3.6 m. p. s. Rel. hum.: 75%. Specific hum.: 0.2 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 11									
12h 03m	14	968.8	−48.9	226.1	----------	14	968.8	−48.9	226.1
12h 08m	315	928	−29.8	248.6	−6.34	250	936	−33.6	244.0
12h 14m	606	889	−25.6	255.9	−1.44	500	903	−27.1	253.2
12h 20m	983	842	−26.0	259.4	.11	750	871	−25.7	257.3
12h 26m	1,248	812	−27.8	260.3	.68	1,000	840	−26.2	259.5
12h 31m	1,513	784	−27.0	263.8	−.30	1,500	783	−27.0	263.9
12h 42m	2,069	723	−30.2	266.5	.58	2,000	730	−29.8	266.3
12h 48m	2,263	704	−32.1	266.3	.96	2,500	680	−32.9	268.4
12h 49m	2,299	701	−31.8	267.0	−.83	2,686	663	−34.5	268.2
13h 02m	2,523	678	−33.0	268.4	.54				
13h 14m	2,686	663	−34.5	268.2	.92				

WINDS ALOFT

Sept. 17, 1934 12h 53m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	13,950
Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	13,950
Direction	SW	SW	SW	WSW	SW	WSW	SSW	ENE	NE	ESE	E	NE	N	N	ENE
Velocity, m. p. s.	4.0	5.7	6.9	6.0	4.4	2.1	0.9	1.4	1.0	2.1	3.6	2.1	4.7	7.6	17.0

COSMIC RAY FLIGHT

37. Nov. 15, 1934. Airplane. Take-off 5h49m. Clouds: Few ASt SE. Wind: SW—3.1 m. p. s. Rel. hum.: 81%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 37									
5h 49m	18	971.1	−23.9	251.2	----------	18	971.1	−23.9	251.2
5h 53m	378	925	−18.5	260.4	−1.50	250	941	−20.4	257.1
6h 01m	1,018	850	−17.0	268.3	−.23	500	911	−18.2	261.9
6h 06m	1,303	816	−18.0	270.3	.35	750	879	−17.6	265.1
6h 08m	1,426	804	−17.8	271.7	−.16	1,000	852	−17.2	267.8
6h 15m	1,752	769	−18.3	274.6	.15	1,500	796	−17.9	272.4
6h 18m	1,864	760	−18.2	276.0	−.09	2,000	746	−18.3	277.2
6h 24m	2,058	737	−18.3	277.8	.05	2,500	695	−20.4	280.4
6h 37m	2,415	703	−19.8	280.2	.42	3,000	649	−23.8	282.2
6h 59m	3,058	644	−24.2	282.4	.68	3,425	612	−26.5	284.0
7h 08m	3,206	630	−24.9	283.3	.47				
7h 23m	3,323	620	−25.9	283.5	.86				
7h 53m	3,425	612	−26.5	284.0	.59				

Altitude of 3,400 m. maintained until about 9h 30m.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

COSMIC RAY FLIGHT—Continued

37. Nov. 15, 1934. Airplane. Take-off 5h49m. Clouds: Few ASt SE. Wind: SW—3. 1 m. p. s. Rel. hum.: 81%—Continued

WINDS ALOFT

Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,330
3h 15m	Direction	SW	SSW	SW	SSW	SSE	SE	SE	SE	SE	SSE
	Velocity, m. p. s	3. 3	4. 3	2. 0	2. 6	2. 7	7. 0	12. 9	11. 6	15. 9	16. 2
Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,790	
7h 58m	Direction	S	SSE	SE	SSE	SSE	SSE	SE	SE	SSE	
	Velocity, m. p. s	2. 9	2. 8	5. 0	7. 7	8. 8	9. 7	11. 6	11. 6	13. 5	

AIRPLANE FLIGHT TO THE EAST AND SOUTHEAST

38. Nov. 15, 1934. Take-off 10h 58m. Clouds: 0. Winds: S–3.6 m. p. s. Rel. hum.: 85%. Specific hum.: 0.8 g./kg. Vis. excellent

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 38											
10h 58m	18	969. 0	−19. 4	255. 9		78°34′ S	163°56′ W	18	969. 0	−19. 4	255. 9
11h 00m	186	947. 0	−16. 9	260. 2	−1. 49			250	939	−16. 9	260. 7
11h 03m	385	922	−16. 9	262. 0	0. 00			500	907	−16. 8	263. 5
11h 10m	681	884	−16. 6	265. 7	−. 10			750	876	−16. 7	266. 2
11h 14m	834	867	−16. 7	267. 0	. 07			885	860	−16. 8	267. 5
11h 19m	885	860	−16. 8	267. 5	. 20						
12h 29m [1]	151	949	−19. 5	257. 3		80°05′ S	155°25′ W				
12h 39m	793	870	−18. 1	265. 3							
13h 08m [1]	140	947	−19. 9	257. 1		80°40′ S	151°00′ W				
13h 14m	732	877	−18. 3	264. 8							
No. 39											
14h 27m [1]	635	888	−19. 2	262. 7		79°40′ S	147°00′ W	635	888	−19. 2	262. 7
14h 34m	1,058	839	−19. 2	266. 9	0. 00			750	875	−19. 2	263. 7
14h 43m	1,364	807	−21. 0	268. 0	. 59			1,000	845	−19. 2	266. 2
15h 32m	2,925	650	−26. 1	279. 6	. 33			1,500	793	−21. 4	269. 0
16h 02m	2,757	665	−25. 4	278. 5		77°34′ S	149°50′ W	2,000	740	−23. 1	272. 5
16h 36m	676	883	−19. 0	263. 3				2,500	691	−24. 8	276. 1
								2,925	650	−26. 1	279. 6
No. 40											
17h 31m	1,099	834	−18. 1	268. 5	0. 31			1,099	834	−18. 1	268. 5
17h 38m	518	904	−16. 3	264. 5	−1. 18			1,000	845	−17. 7	267. 8
17h 50m	18	965. 7	−22. 2	253. 3		78°34′ S	163°56′ W	750	876	−17. 0	266. 0
								500	906	−16. 6	263. 7
								250	937	−19. 7	258. 0
								18	965. 7	−22. 2	253. 3

Landed: 17h 50m. Clouds: 0. Wind: SW—7.6 m. p. s. Rel. hum.: 81%. Specific hum.: 0.6 g/kg.

NOTE.—This flight goes from Little America southeastward to 81°05′ S—147°00′ W, thence northward at about 13h 40m along the 147th meridian to 77°25′ S—147°00′ W and thence west-southwestward at about 15h 40m back to Little America.

WINDS ALOFT

Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,790			
7h 58m	Direction	S	SSE	SE	SSE	SSE	SSE	SE	SE	SSE			
	Velocity, m. p. s	2. 9	2. 8	5. 0	7. 7	8. 8	9. 7	11. 6	11. 6	13. 5			
Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,310
12h 47m	Direction	S	S	SSE	SE	SSE	S	SSE	SSE	SSE	SE	SE	SE
	Velocity, m. p. s	5. 4	2. 7	2. 5	4. 9	8. 5	10. 6	11. 6	13. 1	14. 1	17. 5	26. 2	26. 0
Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,590	
20h 15m	Direction	SSE	E	ESE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	
	Velocity, m. p. s	2. 0	6. 0	5. 1	9. 1	9. 3	12. 7	13. 3	13. 5	15. 2	16. 0	19. 0	

[1] Surface.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

AIRPLANE FLIGHT SOUTHEASTWARD TO THE TRACTORS

39. Nov. 16–17, 1934. Take-off 19h 31m. Clouds: 0. Wind: S—2.2 m. p. s. Rel. hum.: 80%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 41									
Nov. 16									
19h 31m	18	958.2	−23.3	252.9	----------	18	958.2	−23.3	252.9
19h 36m	456	906	−17.3	263.1	−1.37	250	930	−20.4	257.9
19h 40m	579	892	−17.3	264.2	0.00	500	901	−17.3	263.3
						579	892	−17.3	264.2
20h 01m	610	889	−15.7	266.2	----------				
20h 10m	589	891	−17.0	264.7	----------				
20h 38m	569	893	−17.0	264.6	----------				
21h 04m	543	895	−15.1	266.1	----------				
23h 46m	640	886	−15.9	266.2	----------				
Nov. 17									
00h 16m	635	887	−13.1	269.0	----------				
00h 45m	599	893	−12.6	269.1	----------				
00h 55m	579	894	−14.4	266.9	----------				
1h 13m	610	890	−15.0	266.9	----------				
1h 21m	630	888	−14.9	267.1	----------				
1h 32m	610	890	−15.6	266.1	----------				
No. 42									
2h 11m	350	918	−16.0	263.2	−3.04	350	918	−16.0	263.2
2h 16m	18	958.8	−26.1	249.1	----------	250	930	−19.0	259.3
						18	958.8	−26.1	249.1

Turned back Nov. 16, 24h 00m. Position 81°20′ S—151°00′ W. Landed 2h 16m. Clouds: —. Wind: E—4.9 m. p. s. Rel. hum.: 75%. Specific hum.: 0.4 g/kg.

WINDS ALOFT

Nov. 16, 1934 22h 45m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000
	Direction	SW	NE	SE	SSE	SSE	SE	SE	ESE	E	ESE	ESE	ESE
	Velocity, m. p. s	2.0	2.0	3.0	5.0	8.0	9.0	8.0	9.0	10.0	9.0	9.0	9.0

EASTERN MAPPING FLIGHT TO THE ROCKEFELLERS AND MOUNT GRACE M'KINLEY

40. Nov. 18, 1934. Take-off 14h 35m. Clouds: Few ASt S. Wind: SW—3.6 m. p. s. Rel. hum.: 80%. Specific hum.: 0.7 g/kg. Vis. excellent

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°C.)
						Lat.	Long.				
No. 43											
14h 35m	18	965.3	−17.8	256.9	--------	78°34′ S	163°56′ W	18	965.3	−17.8	256.9
14h 40m	344	924	−12.5	266.5	−1.63	----------	----------	250	937	−14.0	263.9
14h 55m	803	869	−12.3	271.4	−.04	----------	----------	500	905	−12.3	268.3
15h 06m	921	855	−11.6	273.5	−.59	----------	----------	750	875	−12.7	270.4
15h 15m	1,262	816	−11.9	276.9	.09	----------	----------	1,000	846	−11.7	274.4
15h 26m	1,818	759	−15.2	279.0	.59	----------	----------	1,500	792	−13.3	277.7
15h 37m	2,384	703	−14.4	286.1	.14	----------	----------	2,000	739	−14.9	281.5
15h 51m	2,899	657	−18.5	287.2	.80	78°20′ S	156°00′ W	2,500	693	−15.4	286.4
16h 03m	2,966	651	−19.8	286.6	--------	----------	----------	2,899	657	−18.5	287.2
16h 54m	2,859	660	−24.1	280.6	--------	----------	----------				
17h 01m	3,063	642	−24.3	282.6	--------	----------	----------				
17h 08m	2,920	655	−24.0	281.1	--------	----------	----------				
18h 11m	2,874	658	−20.1	285.1	--------	78°00′ S	141°12′ W				
19h 02m	2,889	658	−19.8	285.7	--------	78°00′ S	135°00′ W				
19h 12m	1,782	763	−18.5	275.0	--------	----------	----------				
19h 14m [1]	1,354	808	−18.4	270.5	--------	78°07′ S	136°45′ W				
19h 38m	1,696	772	−18.4	274.2	--------	----------	----------				
20h 35m	2,170	726	−17.9	277.1	--------	78°07′ S	147°32′ W				
20h 51m	2,277	717	−19.0	277.8	--------	----------	----------				
21h 18m	2,333	711	−20.1	279.0	--------	----------	----------				
21h 28m	2,313	712	−20.5	278.2	--------	78°10′ S	155°52′ W				
21h 57m	773	876	−16.8	266.2	--------	----------	----------				
22h 24m	477	911	−14.3	260.9	--------	----------	----------				

Landed at Little America at about 22h 30 m. Made slow 360° turn every 75 miles simultaneously making continuous series of overlapping mapping photographs. 19h 14 m: Sounding to the surface; 1,354 m. is the elevation of the Eastern Plateau from Haines Mountain eastward to point where plane turned back.

[1] Surface.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

EASTERN MAPPING FLIGHT TO THE ROCKEFELLERS AND MOUNT GRACE M'KINLEY—Continued

40. Nov. 18, 1934. Take-off 14h 35m. Clouds: Few ASt S. Wind: SW—3.6 m. p. s. Rel. hum.: 80% Specific hum.: 0.7 g/kg. Vis, excellent—Continued

WINDS ALOFT

Nov. 18, 1934 11h 37m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,610			
	Direction	SW	SSW	SSW	S	S	SE	SSE	SE	SE			
	Velocity, m. p. s	4.0	3.5	3.6	4.8	7.2	7.0	7.3	7.6	7.5			
Nov. 18, 1934 19h 04m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,850
	Direction	WSW	SSW	SSW	S	SSE	S	SSE	SE	SE	SE	SE	SSE
	Velocity, m. p. s	2.7	5.6	5.2	3.5	3.6	4.6	6.9	7.3	11.2	14.2	15.8	16.0

SOUTHEASTERN FLIGHT

41. Nov. 22, 1934. Take-off: 00h 03m. Clouds: —. Wind: S–2.7 m. p. s. Rel. hum.: 81%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 44											
0h 03m	18	876.6	−23.3	251.4	--------	78°34′ S	163°56′ W	18	976.6	−23.3	251.4
0h 09m	319	926	−17.7	261.2	−1.86	--------	--------	250	945	−18.9	258.4
0h 32m	543	909	−17.1	263.0	−.27	--------	--------	500	914	−17.2	262.9
								543	909	−17.1	263.0
1h 35m	528	911	−20.2	259.7	--------	--------	--------				
2h 54m [1]	444	920	−18.5	260.6	--------	81°12′ S	151°30′ W				
3h 14m	961	858	−19.3	265.1	--------	--------	--------				
3h 28m [1]	579	902	−19.8	260.8	--------	81°43′ S	146°20′ W				
3h 42m	1,038	850	−19.7	265.2	--------	--------	--------				
4h 33m [1]	533	909	−20.2	259.9	--------	82°32′ S	135°00′ W				
4h 46m	1,043	851	−19.7	265.6	--------	--------	--------				
5h 42m [1]	778	880	−19.1	263.3	--------	82°56′ S	125°25′ W				
6h 05m	1,181	833	−17.6	269.2	--------	83°05′ S	119°00′ W				
6h 16m [1]	885	867	−17.8	265.9	--------	83°03′ S	121°00′ W				
6h 44m	1,176	884	−17.8	268.8	--------	--------	--------				
7h 26m	1,028	851	−19.5	265.3	--------	--------	--------				
7h 52m	834	871	−18.7	264.6	--------	82°15′ S	139°10′ W				
9h 31m	885	867	−18.5	265.2	--------	--------	--------				
No. 45											
10h 43m	987	856	−19.5	265.2	−0.40	--------	--------	1,000	854	−19.4	265.5
10h 51m	737	884	−20.5	261.4	.35	--------	--------	750	882	−20.5	261.7
10h 59m	508	913	−19.7	260.0	.22	--------	--------	500	914	−19.6	259.9
11h 08m	18	973.2	−18.6	256.4	--------	78°34′ S	163°56′ W	250	944	−19.1	258.0
								18	973.2	−18.6	256.4

Landed: 11h 08m. Clouds: Few. Wind: S—7.2 m. p. s. Rel. hum.: 82%. Specific hum.: 0.7 g/kg. Turned back at 6h 05m at 83°05′ S—119°00′ W. 1h 42m: Position 80°03′ S—158°00′ W. 10h 24m: Position 79°31′ S—160°00′ W.

WINDS ALOFT

Nov. 22, 1934 3h 48m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,270
	Direction	SSW	SE	SSE	S	SSW	S	SSE	SE	SE	E	E	ESE	ESE	ESE
	Velocity, m. p. s	2.5	0.8	2.6	2.6	2.0	3.0	6.2	5.3	5.7	6.0	8.0	7.7	7.0	3.2
Nov. 22, 1934 9h 00m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,910
	Direction	S	S	S	SSW	SSW	SSE	SSE	SE	SSE	ESE	ESE	E	E	ESE
	Velocity, m. p. s	2.9	6.5	3.2	5.5	4.9	6.5	6.9	5.2	3.4	2.4	4.3	5.8	6.5	5.0

[1] Surface.

FLIGHT SOUTHEASTWARD TO THE TRACTORS

42. Nov. 23–24, 1934. Take-off 17h 16m. Clouds: Few Ci ESE. Wind: SW–3.1 m. p. s. Rel. hum.: 78%. Specific hum.: 0.9 g/kg. Vis. good

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position Lat.	Position Long.	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 46											
Nov. 23											
17h 16m	18	971.6	−16.7	258.5	--------	78°34′ S	163°56′ W	18	971.6	−16.7	258.5
17h 18m	176	951	−14.1	262.8	−1.64	--------	--------	250	942	−13.7	264.0
17h 23m	273	937	−13.5	264.4	−.62	--------	--------	500	910	−13.9	266.4
17h 36m [1]	314	932	−13.7	264.7	.49	78°54′ S	162°15′ W	528	907	−14.0	266.4
17h 55m	528	907	−14.0	266.4	.14	--------	--------				
17h 58m [1]	334	929	−13.8	264.7	--------	79°13′ S	160°45′ W				
18h 14m [1]	140	952	−13.8	263.0	--------	79°26′ S	159°30′ W				
18h 54m [1]	120	935	−17.7	258.5	--------	80°02′ S	155°30′ W				
19h 50m [1]	166	950	−14.8	262.0	--------	81°03′ S	147°30′ W				
20h 18m [1]	191	946	−16.3	260.9	--------	81°03′ S	145°15′ W				
20h 32m [1]	253	936	−17.7	260.2	--------	81°03′ S	143°40′ W				
20h 43m [1]	304	931	−17.9	260.4	--------	81°03′ S	142°00′ W				
21h 07m [1]	334	928	−16.2	262.4	--------	80°40′ S	141°20′ W				
21h 16m [1]	344	927	−16.8	261.7	--------	80°40′ S	142°30′ W				
21h 34m [1]	207	945	−17.0	260.1	--------	80°40′ S	144°40′ W				
21h 58m [2]	143	951	−16.8	259.9	--------	80°28′ S	149°04′ W				
No. 46A											
22h 44m [3]	143	951	−18.1	258.6	--------	80°28′ S	149°04′ W	143	951	−18.1	258.6
22h 50m	349	926	−15.9	262.8	−1.07	--------	--------	250	939	−17.0	260.6
22h 59m	780	875	−15.8	267.2	−.02	--------	--------	500	908	−15.9	264.4
								750	879	−15.8	266.8
								780	875	−15.8	267.2
No. 47											
Nov. 24											
00h 33m	788	876	−13.9	269.3	0.60	--------	--------	788	876	−13.9	269.3
00h 40m	589	898	−12.7	268.5	−.40	--------	--------	750	880	−13.7	269.0
00h 52m	288	934	−13.9	264.3	−3.07	--------	--------	500	908	−13.1	267.2
00h 56m	18	968	−22.2	253.1	--------	78°34′ S	163°56′ W	250	939	−15.0	262.6
								18	968.0	−22.2	253.1

Landed: 00h 56m. Clouds: Few ACu; brilliant iridescence. Wind: SW—2.7 m. p. s. Rel. hum.: 82%. Specific hum.: 0.6 g/kg.

WINDS ALOFT

Nov. 23, 1934. 14h 04m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,270
	Direction	WSW	S	SSE	SSE	SSE	SSE	SSE	S	S	S	SE	SE	ESE	ESE
	Velocity, m. p. s.	2.2	3.7	5.2	6.7	7.3	6.7	6.5	5.5	5.5	6.4	4.1	4.4	5.5	6.0
Nov. 23, 1934. 20h 27m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,050			
	Direction	SSW	S	S	S	S	SSE	SSE	S	SSE	SSE	SSE			
	Velocity, m. p. s.	4.9	7.5	7.7	9.7	9.8	9.3	5.7	5.0	3.0	4.2	4.0			

[1] Surface. [2] Landed at tractors. [3] Took off for Little America.

43. Dec. 8, 1934. Airplane. Take-off 2h 40m. Clouds: 0. Wind: S—1.8 m. p. s. Rel. hum.: 76% Specific hum.: 0.9 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 62									
2h 40m	18	990.5	−15.3	258.3	--------	18	990.5	−15.3	258.3
2h 49m	344	949	−8.0	269.0	−2.24	250	961	−10.0	266.0
2h 55m	446	936	−7.6	270.4	−.39	500	930	−7.2	271.4
3h 15m	620	916	−6.5	273.2	−.63	620	916	−6.5	273.2

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

43. Dec. 8, 1934. Airplane. Take-ooff 2h 40m. Clouds: 0. Wind: S—1.8 m. p. s. Rel. hum.: 76% Specific hum.:0.9 g/kg.—Continued

WINDS ALOFT

Dec. 8, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,930
9h 20m	Direction	S	SSE	SSE	SSE	S	SSE	S	S	SSE	SSE	SSE	SSE	SSE
	Velocity, m.p.s.	2.7	2.4	4.9	6.7	6.5	7.7	8.5	9.3	8.3	8.3	9.3	11.4	12.0

FLIGHT TO ROCKEFELLER MOUNTAINS AND 120-MILE DEPOT

44. Dec. 8, 1934. Take-off 13h 23m. Clouds: 0. Wind: S 3.1 m. p. s. Rel. hum.: 78% Specific hum.: 1.3 g/kg. Vis. good

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 63									
13h 23m	18	987.2	−11.2	262.8	----------	18	987.2	−11.2	262.8
13h 29m	375	943	−6.8	270.8	−1.23	250	958	−8.1	268.2
13h 38m	497	929	−6.7	272.2	−.08	500	929	−6.7	272.2
14h 26m [1]	186	966	−10.9	264.9					
15h 23m [2]	186	966	−12.1	263.5					
15h 49m [3]	----------	----------	----------	----------					
16h 31m	676	906	−9.1	271.5					

[1] Surface. [2] Landed at 120-mile depot. [3] Take-off at 120-mile depot.

No. 64									
17h 00m	523	924	−8.0	271.1	−1.34	523	924	−8.9	271.1
17h 09m	329	948	−10.6	266.5	−.16	500	927	−8.2	270.9
17h 15m	18	986.8	−11.1	262.8	----------	250	958	−10.8	265.5
						18	986.8	−11.1	262.8

Landed 17h 15m. Clouds: Few ASt, few St. Wind: S—1.8 m. p. s. Rel. hum.: 78%. Specific hum.: 1.3 g/kg. Vis good.

WINDS ALOFT

Dec. 8, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,550
15h 05m	Direction	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW
	Velocity, m. p. s.	3.6	5.8	5.0	5.2	6.7	7.2	7.9	9.3	9.9	9.5	9.5	13.9	14.1	9.6

45. Dec. 15, 1934. Airplane. Take-off 15h 40m. Clouds: 0. Wind: S—3.1 m. p. s. Rel. hum.: 78%. Specific hum.: 1.2 g/kg. Heavy shower of ice crystals falling.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 65									
15h 40m	18	988.5	−11.7	262.3	----------	18	988.5	−11.7	262.3
16h 09m	487	930	−6.4	272.4	−1.13	250	961	−9.3	266.8
16h 24m	691	904	−6.8	273.9	.20	500	928	−6.4	272.5
16h 40m	1,681	798	−9.7	281.0	.29	750	897	−7.0	274.4
16h 54m	2,578	709	−14.8	285.1	.57	1,000	872	−7.6	276.1
						1,500	817	−9.2	279.6
						2,000	766	−11.5	282.4
						2,500	717	−14.2	284.7
						2,578	709	−14.8	285.1

WINDS ALOFT

Dec. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,290
16h 54m	Direction	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	SSW	SSW
	Velocity, m. p. s.	1.8	4.8	4.9	4.3	4.0	5.0	5.7	7.5	8.7	10.2	9.7	12.6	14.6

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

NORTHEASTERN FLIGHT

46. Dec. 15–16, 1934. Take-off Dec. 15, 19h 30m. Clouds: 0. Wind: SW—1.6 m. p. s. Rel. hum.: 75%. Specific hum.: 1.1 g/kg. Vis. excellent

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°C.)
						Lat.	Long.				
Dec. 15											
19h 30m	18	989.0	−12.8	261.0	--------	78°34′ S	163°56′ W				
19h 50m	339	949	--------	--------	--------	--------	--------				
19h 55m	411	941	--------	--------	--------	--------	--------				
20h 15m	926	881	--------	--------	--------	--------	--------				
20h 37m	1,248	844	--------	--------	--------	--------	--------				
20h 44m	1,410	827	--------	--------	--------	--------	--------				
20h 58m	1,721	793	--------	--------	--------	77°33′ S	156°03′ W				
No. 66											
22h 05m	1,691	794	−15.3	275.3	--------	--------	--------				
22h 14m	2,328	730	−19.8	277.0	0.71	76°37′ S	151°15′ W	1,691	794	−15.3	275.3
22h 17m	2,573	706	−20.6	278.9	.33	--------	--------	2,000	764	−17.4	276.2
22h 18m	2,665	698	−20.5	280.0	−.11	--------	--------	2,500	713	−20.4	278.4
22h 20m	2,747	690	−21.2	280.2	.85	--------	--------	3,000	667	−22.7	281.2
22h 28m	3,231	647	−23.8	282.3	.54	--------	--------	4,000	582	−27.8	286.7
22h 29m	3,267	644	−23.8	282.8	.00	--------	--------	4,057	577	−28.4	286.5
22h 42m	3,659	609	−25.8	285.0	.51	--------	--------				
22h 48m	3,838	594	−27.4	285.2	.89	--------	--------				
22h 51m	3,894	589	−27.4	285.9	.00	--------	--------				
22h 52m	3,935	587	−27.2	286.8	−.49	--------	--------				
23h 00m	4,057	577	−28.4	286.5	.98	--------	--------				
23h 16m	4,098	574	−28.4	287.0	--------	75°54′ S	146°52′ W				
23h 49m	4,045	578	−28.6	286.1	--------	--------	--------				
Dec. 16											
00h 37m	4,057	577	−28.3	286.7	--------	77°01′ S	147°27′ W				
1h 22m	4,144	569	−29.0	287.0	--------	77°56′ S	149°18′ W				
1h 33m	3,219	646	−24.2	282.1	--------	--------	--------				
1h 46m	2,360	726	−20.1	277.4	--------	--------	--------				
1h 56m	513	924	−7.8	271.3	--------	78°10′ S	153°40′ W				
2h 33m	992	874	−9.9	273.6	--------	78°20′ S	157°45′ W				
No. 67											
2h 47m	890	885	−9.5	273.0	0.46	--------	--------	890	885	−9.5	273.0
3h 05m	737	903	−8.8	272.2	.27	--------	--------	750	901	−8.8	272.3
3h 15m	479	936	−8.1	270.2	−1.47	--------	--------	500	933	−8.2	270.2
3h 18m	268	960	−11.2	265.0	−1.96	--------	--------	250	962	−11.8	264.1
3h 20m	18	991.2	−16.1	257.5	--------	78°34′ S	163°56′ W	18	991.2	−16.1	257.5

Landed: Dec. 16, 3h 20m. Clouds: StCu overcast shortly after plane landed. Wind: W—0.9 m. p. s. Rel. hum.: 73%. Specific hum.: 0.8 g/kg. Turned back Dec. 15, 23h 35m; position 75°43′ S—145°14′ W.

WINDS ALOFT

Dec. 15, 1934 16h 54m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,290	
	Direction	SSW	SSW	SSW	S	S	S	S	S	S	S	SSW	SSW	SSW	
	Velocity, m. p. s.	1.8	4.8	4.9	4.3	4.0	5.0	5.7	7.5	8.7	10.2	9.7	12.6	14.6	
Dec. 16, 1934 0h 15m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,270
	Direction	SW	WSW	WSW	WSW	SW	WSW	SW	SW	SSW	SSW	SSW	SW	SW	SW
	Velocity, m. p. s.	1.1	3.9	3.9	2.8	2.7	3.9	5.8	6.6	7.5	7.5	7.5	9.8	12.1	10.0

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

MAPPING FLIGHT OVER THE BAY OF WHALES

47. Dec. 27, 1934. Take-off 11h 05 m. Clouds: Few ASt. Wind: E—5.1 m. p. s. Rel. hum.: 77%. Specific hum.: 1.8 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 68									
11h 05m	18	974.2	−6.7	268.3	----------	18	974.2	−6.7	268.3
11h 13m	865	874	−6.4	277.0	−0.04	250	946	−6.6	270.8
11h 34m	2,298	726	−14.7	283.3	.58	500	917	−6.6	273.3
11h 49m	2,787	681	−18.0	284.9	.67	750	888	−6.5	275.8
						1,000	860	−7.1	277.6
						1,500	806	−10.1	279.7
						2,000	756	−13.0	281.9
						2,500	707	−16.0	283.9
						2,787	681	−18.0	284.9
Descent No. 69									
13h 41m	2,792	680	−17.7	285.2	0.21	2,792	681	−17.7	285.2
13h 57m	2,185	737	−16.4	208.1	.61	2,500	707	−17.1	282.8
14h 09m	839	878	−8.2	274.7	.30	2,000	756	−15.3	279.4
14h 25m	365	932	−6.8	271.6	−.27	1,500	806	−12.3	277.4
14h 28m	181	953	−7.3	269.3	.68	1,000	860	−9.1	275.5
14h 29m	18	973.2	−6.2	269.0	----------	750	888	−7.9	274.3
						500	917	−7.1	272.5
						250	945	−7.1	270.2
						18	973.2	−6.2	269.0

Landed: Dec. 27, 1934, 14h 29m. Clouds: 7 ACu SE. Wind: E—5.8 m. p. s. Rel. hum.: 77%. Specific hum.: 1.9 g/kg. Altitude of about 2,800 m. maintained from 11h 49m to 13h 41m. Plane descending rapidly at 13h 57m.

WINDS ALOFT

Dec. 27, 1934 8h 35m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,910
	Direction	S	S	SE	SE	SE	SE	SE	SE	S	SSE	SE	SE	SE	ESE
	Velocity, m. p. s.	1.8	2.8	3.7	6.0	7.7	8.8	8.5	5.0	6.8	3.9	4.2	5.3	5.5	7.0
Dec. 27, 1934 13h 20m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,730
	Direction	W	WNW	NW	NW	NNW	NNW	NW	NW	NW	WNW	NW	NW	WNW	NW
	Velocity, m. p. s.	6.3	7.6	8.2	6.4	6.8	7.0	7.0	6.9	7.2	6.7	5.3	5.8	5.0	18.0

BAY OF WHALES MAPPING FLIGHT

48. Dec. 28, 1934. Take-off 10h 22m. Clouds: Few ASt E. Wind: E—4.0 m. p. s. Rel. hum.: 77%. Specific hum.: 2.0 g/kg. Vis. good

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 70									
10h 22m	18	977.6	−5.3	269.5	----------	18	977.6	−5.3	269.5
10h 26m	360	934	−7.0	271.2	0.50	250	949	−6.5	270.8
10h 27m	589	910	−6.2	274.5	−.35	500	920	−6.4	273.2
10h 42m	1,971	760	−14.4	279.9	.59	750	890	−7.1	275.0
10h 57m	2,772	683	−17.7	284.8	.41	1,000	864	−8.5	275.9
						1,500	809	−11.6	277.9
						2,000	757	−14.6	280.1
						2,500	708	−16.6	283.1
						2,772	683	−17.7	284.8

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

BAY OF WHALES MAPPING FLIGHT—Continued

48. Dec. 28, 1934. Table-off 10h 22m. Clouds: Few ASt E. Wind: E—4.0 m. p. s. Rel. hum.: 77%. Specific hum.: 2.0 g/kg. Vis. good—Continued

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
Descent No. 71									
13h 02m	2,792	682	−17.3	285.5	0.46	2,792	682	−17.3	285.5
13h 09m	1,033	860	−9.3	275.4	.62	2,500	708	−16.1	283.6
13h 13m	289	944	−4.7	272.8	−.33	2,000	758	−13.8	280.7
13h 16m	18	979.4	−5.6	269.0		1,500	809	−11.4	277.8
						1,000	864	−9.1	275.2
						750	890	−7.7	274.4
						500	920	−6.0	273.5
						250	949	−5.0	272.1
						18	979.4	−5.6	269.0

Landed: 13h 16m. Clouds: Few ASt ENE. Wind: E—7.6 m. p. s. Rel. hum.: 76%. Specific hum.: 2.0 g/kg. Altitude of about 2,780 m. maintained from 10h 57m to 13h 02m.

WINDS ALOFT

Dec. 28, 1934 8h 10m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,390
	Direction	E	ESE	ESE	ESE	ESE	E	E	ESE	E	ENE	ENE	E	E
	Velocity, m. p. s.	5.4	7.2	5.7	6.1	6.3	7.9	7.3	7.5	10.0	7.9	10.6	12.0	11.4
Dec. 28, 1934 13h 08m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,490	
	Direction	E	E	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	
	Velocity, m. p. s.	6.3	8.1	6.4	6.4	7.2	8.6	13.3	9.4	10.9	12.7	11.6	8.8	

49. Dec. 29–30, 1934. Airplane. Take-off Dec. 29, 23h 00m. Clouds: 4 CiSt. E. Wind: S—1.3 m. p. s. Rel. hum.: 74%. Specific hum.: 1.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 72									
Dec. 29									
23h 00m	18	981.5	−8.9	265.5		18	981.5	−8.9	265.5
23h 34m	314	945	−3.7	273.8	−1.76	250	953	−4.8	273.0
23h 51m	1,048	862	−6.0	278.8	.31	500	923	−4.3	274.9
Dec. 30									
0h 05m	1,936	767	−11.6	282.2	.63	750	893	−5.1	276.8
0h 17m	2,721	691	−14.3	287.6	.34	1,000	867	−5.8	278.5
0h 30m	3,608	613	−20.2	291.0	.66	1,500	811	−8.9	280.6
						2,000	761	−11.8	282.8
						2,500	713	−13.4	286.0
						3,000	666	−16.2	288.7
						3,608	613	−20.2	291.0

9 ASt E at Oh 50 m, Dec. 30.

WINDS ALOFT

Dec. 29, 1934 21h 30m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,850
	Direction	SSW	SE	ESE	ESE	SE	SSE	SE	SE	SE	E	E	E
	Velocity, m. p. s.	3.3	6.0	8.2	7.4	6.2	8.4	10.3	8.2	8.3	15.3	20.8	25.2

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

FLIGHT TO THE ROCKEFELLER AND EDSEL FORD MOUNTAINS (MARKED GRACE MCKINLEY FLIGHT ON THE PHOTOGRAPHS)

50. Dec. 31, 1934–Jan. 1, 1935. Take-off Dec. 31, 22h 24m. Clouds: 1 Ci, 1 CiSt ESE. Wind: SE—2.2 m. p. s. Rel. hum.: 84%. Specific hum.: 1.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position Lat.	Position Long.	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
				No. 73							
Dec. 31											
22h 24m	18	976.0	−10.0	264.8	--------	78°34′ S	163°56′ W	18	976.0	−10.0	264.8
22h 29m	370	933	−3.3	275.1	−1.90	--------	--------	250	948	−5.7	271.6
22h 32m	528	916	−3.2	276.7	−.06	--------	--------	500	919	−3.3	276.3
23h 04m	737	891	−3.9	278.2	.34	--------	--------		889	−4.0	278.4
								750 [1]	891	−3.9	
23h 11m	426	928	−2.3	276.5	--------	--------	--------				
23h 19m	344	936	−3.6	274.6	--------	--------	--------				
Jan. 1											
0h 02m	319	940	−2.5	275.4	--------	--------	--------				
0h 27m	640	902	−3.5	277.6	--------	--------	--------				
0h 52m	202	953	−2.6	274.2	--------	--------	--------				
1h 08m	701	895	−3.3	278.4	--------	--------	--------				
1h 23m	661	900	−5.7	275.7	--------	--------	--------				
1h 26m	824	882	−8.0	274.9	--------	--------	--------				
1h 28m	900	873	−5.8	277.8	--------	--------	--------				
1h 43m	1,201	840	−6.3	280.3	--------	--------	--------				
2h 14m	1,670	790	−10.0	281.4	--------	--------	--------				
2h 31m	1,808	777	−10.4	282.4	--------	77°45′ S	147°30′ W				
2h 50m	1,793	778	−10.3	282.4	--------	--------	--------				
2h 59m	1,701	787	−10.1	281.6	--------	--------	--------				
3h 05m	1,619	794	−10.4	280.6	--------	--------	--------				
3h 10m	1,701	785	−10.5	281.3	--------	--------	--------				
3h 17m	1,762	779	−10.3	282.2	--------	--------	--------				
3h 21m	1,701	785	−9.5	282.6	--------	--------	--------				
3h 38m	1,599	800	−9.2	281.3	--------	--------	--------				
3h 47m	1,721	788	−10.4	281.4	--------	--------	--------				
3h 52m	1,630	796	−9.5	281.4	--------	--------	--------				
3h 56m	1,492	811	−8.1	281.3	--------	--------	--------				
4h 01m	1,334	828	−6.9	281.0	--------	78°07′ S	152°30′ W				
4h 24m	2,201	740	−12.5	284.1	--------	--------	--------				
5h 10m	3,828	594	−21.8	291.9	--------	--------	--------				
5h 38m	4,455	544	−27.5	292.6	--------	--------	--------				

[1] Extrapolated from 737 m.

				No. 74							
5h 38m	4,455	544	−27.5	292.6	0.61	--------	--------	4,455	544	−27.5	292.6
5h 46m	2,497	706	−15.6	283.8	.59	--------	--------	4,000	578	−25.0	290.4
5h 56m	528	916	−4.0	275.9	.16	--------	--------	3,000	663	−18.9	286.1
5h 59m	140	960	−3.4	272.8	−4.02	--------	--------	2,500	706	−15.9	283.8
6h 01m	18	976.3	−8.3	266.4	--------	78°34′ S	163°56′ W	2,000	756	−12.9	281.9
								1,500	808	−9.9	279.9
								1,000	862	−6.8	277.6
								750	889	−5.5	276.8
								500	919	−4.0	275.5
								250	948	−3.7	273.6
								18	976.3	−8.3	266.4

Landed: Jan. 1, 6h 01m. Clouds: Few CiSt. Wind: SE—1.8 m. p. s. Rel. hum.: 82%. Specific hum.: 1.7 g/kg. Turned back Jan. 1, 3h 03m; position 77°35′ S—147°00′ W.

WINDS ALOFT

Dec. 31, 1934 19h 05m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,590	
	Direction	ENE	S	SSE	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	
	Velocity, m. p. s.	1.5	2.6	4.3	4.1	5.0	5.5	7.4	8.7	10.6	12.5	11.2	
Jan. 1, 1935 2h 35m	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,110
	Direction	E	SE	SSE	E	SSE	ESE	E	E	ESE	SE	ESE	SE	ESE
	Velocity, m. p. s.	1.8	5.2	2.3	1.2	1.8	1.7	3.9	5.3	5.9	9.5	9.1	13.6	17.7

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

51. Jan. 2, 1935. Airplane. Take-off 22h 32m. Clouds: 7 StCu (thin). Wind: E—3.6 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Humidity		Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Humidity	
						Relative (percent)	Specific (g/kg.)					Relative (percent)	Specific (g/kg.)
No. 75													
22h 22m	18	1,006.8	−7.2	265.4	--------	89	2.0	18	1,006.8	−7.2	265.4	89	2.0
22h 26m	477	950	−2.0	275.0	−1.13	-------	2.5	250	978	−4.6	270.2	80	2.2
22h 29m	941	893	−2.6	279.1	.13	-------	2.4	500	947	−2.1	275.2	-------	-------
22h 40m	2,068	774	−10.7	282.4	.72	62	1.4	750	916	−2.3	277.4	-------	-------
22h 49m	2,915	693	−15.0	286.6	.51	58	1.0	1,000	887	−3.2	279.2	-------	-------
23h 02m	4,083	594	−23.2	290.2	.70	55	.6	1,500	834	−6.6	280.7	-------	-------
23h 20m	4,929	529	−29.1	293.1	.70	54	.4	2,000	781	−10.3	282.0	-------	-------
								2,500	734	−12.8	284.6	60	1.2
								3,000	685	−15.7	286.8	57	.9
								4,000	600	−22.7	289.9	56	.6
								4,929	529	−29.1	293.1	54	.4

Passed through thin StCu at 941 m. Thin StCu all around station as far as could be seen from top of flight. No bay ice has yet moved out.

WINDS ALOFT

Jan. 2, 1935 19h 50m											
Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,690
Direction	ENE	NE	NE	NNE	NNE	NE	NE	NNE	NNE	NE
Velocity, m. p. s.	4.5	9.5	8.9	7.5	7.5	6.8	7.9	7.8	7.1	3.2

SEISMIC SOUNDING FLIGHT WITHIN 25 MILE RADIUS OF LITTLE AMERICA

52. Jan. 5–6, 1935. Take-off Jan. 5, 196h 10m. Clouds: Few Ci WNW. Wind: S—7.6 m. p. s. Rel. hum.: 72%. Specific hum.: 2.0 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 76									
Jan. 5									
19h 10m	18	1,001.7	−4.3	268.4	----------	18	1,001.7	−4.3	268.4
19h 18m	293	968	−3.8	271.8	−0.18	250	973	−3.8	271.3
19h 25m	309	966	−3.6	272.2	−1.25	416	952	−4.6	272.3
19h 34m	416	952	−4.6	272.3	.93				
19h 40m [1]	74	995	−5.1	268.1	----------				
20h 18m [2]	----------	----------	----------	----------	----------				
20h 47m [3]	84	993	−5.1	268.3	----------				
21h 15m [2]	----------	----------	----------	----------	----------				
21h 32m [4]	222	976	−4.8	268.1	----------				
21h 59m [2]	----------	----------	----------	----------	----------				
22h 17m [5]	421	952	−7.2	269.5	----------				
22h 44m [2]	----------	----------	----------	----------	----------				
22h 54m [6]	74	993	−6.4	267.0	----------				
23h 23m [2]	----------	----------	----------	----------	----------				
23h 48m [7]	49	997	−7.8	265.4	----------				
Jan. 6									
00h 29m [2]	----------	----------	----------	----------	----------				
00h 40m [8]	59	996	−9.2	264.0	----------				
No. 77									
1h 06m [2]	59	996	−9.2	264.0	----------	59	996	−9.2	264.0
1h 09m	278	967	−5.0	270.6	−1.92	250	971	−5.5	269.6
1h 17m	839	900	−8.4	273.0	.61	500	942	−6.2	271.4
1h 19m	968	885	−8.6	273.9	.16	750	910	−7.8	272.5
1h 24m	1,242	853	−7.0	278.3	−.58	1,000	881	−8.4	274.5
1h 25m	1,364	840	−6.9	279.7	−.82	1,500	826	−7.6	280.4
1h 34m	2,007	773	−10.3	283.2	.53	2,000	774	−10.3	282.9
1h 45m	18	1,002.7	−9.4	263.3	----------	2,007	773	−10.3	283.2

Landed: Jan. 6, 1h 45m. Clouds: 0. Wind: S—6.3 m. p. s. Rel. hum.: 79%. Specific hum.: 1.5 g/kg.

WINDS ALOFT

Jan. 5, 1935 20h 55m														
Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,550
Direction	S	SSE	SE	SE	SSE	SSE	SE	SSE	S	W	W	W	W	W
Velocity, m. p. s.	5.4	9.0	10.6	8.3	9.0	6.7	2.9	2.4	3.4	4.9	6.8	13.5	34.2	35.6

[1] Landed: 5 miles S of Kainan Bay.
[2] Take-off.
[3] Landed: 25 miles E of Little America.
[4] Landed: Roosevelt Island, ½ mile S of Amundsen Arm.
[5] Landed: Dome of Roosevelt Island.
[6] Landed: 25-Mile Depot, Southern Trail.
[7] Landed: 25 miles W of Little America.
[8] Landed: 25 miles W of Floyd Bennett Bay.

TABLE 26.—*Results of kite and airplane ascents and airplane flights at Little America*—Continued

SEISMIC SOUNDING FLIGHT TO DISCOVERY INLET AND VICINITY

53. Jan. 6, 1935. Take-off 19h 20m. Clouds: Few ASt SW. Wind: S—7.2 m. p. s. Rel. hum.: 86%. Specific hum.: 2.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 78									
19h 20m [1]	18	1, 001. 2	−5. 9	267. 0		18	1, 001. 2	−5. 9	267. 0
19h 24m	278	969	−5. 8	269. 6	−0. 03	250	973	−5. 8	269. 3
19h 26m	493	943	−2. 5	265. 1	−1. 53	500	942	−2. 5	275. 3
19h 35m	936	892	−5. 2	276. 7	. 61	750	913	−4. 1	276. 0
20h 20m	834	904	−5. 2	275. 7		936	892	−5. 2	276. 7
20h 32m [2]	54	997	−6. 9	266. 3					
21h 00m [1]	54	997	−6. 9	266. 3					
21h 19m [3]	69	994	−7. 1	266. 2					
21h 31m [3]	69	994	−7. 2	266. 2					
21h 44m [3]	69	994	−7. 2	266. 2					
No. 79									
21h 54m [3]	79	993	−7. 3	266. 2		79	993	−7. 3	266. 2
22h 02m	508	942	−7. 3	270. 5	0	250	974	−5. 8	269. 3
22h 07m	834	902	−5. 5	273. 7	−. 55	500	943	−5. 8	271. 7
22h 19m	1, 678	809	−10. 3	279. 1	. 57	750	912	−6. 0	274. 2
22h 34m	2, 568	720	−13. 5	285. 2	. 36	1,000	883	−6. 5	276. 1
22h 35m	2, 660	712	−12. 5	287. 2	−1. 09	1,500	827	−9. 4	278. 3
22h 44m	3, 190	664	−13. 8	291. 5	. 25	2,000	775	−11. 6	281. 3
						2,500	727	−13. 3	284. 8
						3,000	682	−13. 3	289. 9
						3,190	664	−13. 8	291. 5

Returned to Little America at 22h 57m because low StCu were coming in rapidly from the S. Wind: S—7.6 m. p. s.

WINDS ALOFT

Jan. 6, 1935	Altitude, m	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	4, 000	5, 000	6, 930
15h 58m	Direction	SSW	SSE	SSE	SSE	SE	SSE	S	SSW	SW	WSW	WSW	W
	Velocity, m. p. s.	7. 6	7. 5	9. 3	11. 2	10. 1	8. 1	7. 3	7. 9	8. 7	11. 1	14. 7	30. 0
Jan. 6, 1935	Altitude, m	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	4, 000	5, 000	5, 490
21h 38m	Direction	S	S	S	S	S	S	SSW	SSW	SW	WSW	WSW	WSW
	Velocity, m. p. s.	7. 6	12. 5	11. 7	9. 2	7. 3	7. 1	6. 4	8. 8	9. 2	10. 9	14. 8	20. 0

[1] Take-off. [2] Landed. [3] Surface.

54. Jan. 9, 1935. Airplane. Take-off 15h 45m. Clouds: 0. Wind: SW—5.4 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Humidity		Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Humidity	
						Relative (percent)	Specific (g/kg.)					Relative (percent)	Specific (g/kg.)
No. 80													
15h 45m	18	994. 4	−5. 0	268. 4		81	2. 1	18	994. 4	−5. 0	268. 4	81	2. 1
15h 56m	467	940	−3. 4	274. 5	−0. 36	59	1. 9	250	966	−4. 3	271. 4	70	2. 0
16h 00m	676	915	−3. 3	276. 6	−. 05	57	1. 9	500	936	−3. 4	274. 7	58	1. 9
16h 11m	1, 793	793	−6. 1	285. 2	. 25	48	1. 5	750	908	−3. 6	277. 1	55	1. 8
16h 33m	3, 792	612	−14. 9	297. 3	. 44	40	. 8	1, 000	880	−4. 1	279. 0	54	1. 7
16h 46m	4, 312	572	−18. 4	299. 1	. 67	37	. 6	1, 500	825	−5. 4	282. 9	50	1. 5
								2, 000	774	−7. 0	286. 4	47	1. 4
								2, 500	726	−9. 2	289. 1	45	1. 2
								3, 000	680	−11. 3	292. 4	43	1. 0
								4, 000	596	−16. 3	297. 9	38	. 7
								4, 312	572	−18. 4	299. 1	37	. 6

WINDS ALOFT

Jan. 9, 1935	Altitude, m	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	4, 000	5, 000	6, 930
18h 23m	Direction	S	S	S	S	S	S	S	S	S	SSW	SSW	SW
	Velocity, m. p. s.	2. 7	7. 3	7. 0	7. 0	8. 6	10. 6	9. 1	6. 9	7. 0	6. 5	9. 1	18. 0

TABLE 27.—*Results of pilot balloon ascents at Little America*

No. 1. Jan. 16, 1929; 16h 30m. Clouds: 1 Ci WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	22	SSW	1. 8
216	320	SE	5. 7
414	328	SSE	5. 1
612	345	SSE	4. 0
801	344	SSE	3. 0
990	355	S	2. 8
1, 170	357	S	4. 0
1, 350	358	S	4. 9
1, 530	357	S	4. 7
1, 710	6	S	4. 1
1, 890	21	SSW	2. 8
2, 070	55	SW	2. 0
2, 250	76	WSW	2. 6
2, 430	90	W	3. 0
2, 610	105	WNW	3. 3
2, 790	118	WNW	4. 5
2, 970	119	WNW	5. 6
3, 150	114	WNW	6. 4
3, 330	117	WNW	7. 4
3, 510	123	WNW	8. 5
3, 690	123	WNW	9. 3
3, 870	118	WNW	10. 0
4, 050	116	WNW	10. 8
4, 230	113	WNW	11. 3
4, 410	110	WNW	12. 3
4, 590	109	WNW	13. 2
4, 770	112	WNW	14. 0
4, 950	113	WNW	15. 4
5, 130	113	WNW	16. 5
5, 310	112	WNW	16. 7
5, 490	112	WNW	17. 5
5, 670	113	WNW	18. 3
5, 850	114	WNW	19. 3
6, 030	116	WNW	20. 2
6, 210	118	WNW	20. 2

Disappearance: Bursting (?).

No. 2. Jan. 17, 1929; 13h 10m. Clouds: 1 ASt NW, Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	284	ESE	4. 0
216	321	SE	3. 3
414	340	SSE	5. 0
612	341	SSE	6. 7
801	351	S	7. 0
990	355	S	6. 4
1, 170	354	S	5. 7
1, 350	345	SSE	5. 8
1, 530	356	S	6. 5
1, 710	24	SSW	8. 1
1, 890	32	SSW	8. 7
2, 070	34	SW	8. 4
2, 250	32	SSW	8. 0
2, 430	32	SSW	7. 9
2, 610	31	SSW	8. 0
2, 790	27	SSW	7. 3
2, 970	40	SW	5. 5
3, 150	72	WSW	4. 3
3, 330	93	W	2. 7
3, 510	103	WNW	2. 7
3, 690	116	WNW	4. 2
3, 870	121	WNW	4. 9
4, 050	122	WNW	6. 3
4, 230	131	NW	8. 3
4, 410	138	NW	9. 3
4, 590	140	NW	10. 3
4, 770	140	NW	11. 5
4, 950	140	NW	13. 0

No. 2—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5, 130	141	NW	14. 5
5, 310	144	NW	15. 8
5, 490	147	NNW	16. 9
5, 670	147	NNW	17. 3
5, 850	147	NNW	17. 7
6, 030	146	NW	18. 3
6, 210	146	NW	18. 7
6, 390	146	NW	19. 0

Disappearance: Bursting.

No. 3. Jan. 18, 1929; 13h 03m. Clouds: 3 StCu SSE, 5 StCu SW. Vis.: 4. Drifting snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	30	SSW	9. 4
216	22	SSW	11. 2
414	29	SSW	5. 9
612	27	SSW	3. 4
801	19	SSW	3. 3
990	26	SSW	4. 9
1, 170	25	SSW	7. 3
1, 350	24	SSW	7. 3
1, 530	29	SSW	4. 4
1, 710	40	SW	3. 1
1, 890	12	SSW	2. 3
2, 070	334	SSE	2. 3

Disappearance: Entered StCu, 2,070 m.

No. 4. Jan. 19, 1929; 13h 05m. Clouds: 5 CiSt N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	4. 5
216	15	SSW	6. 2
414	360	S	6. 0
612	352	S	5. 7
801	1	S	5. 1
990	355	S	4. 6
1, 170	346	SSE	4. 6
1, 350	352	S	4. 4
1, 530	2	S	3. 6
1, 710	7	S	2. 3
1, 890	291	ESE	1. 3
2, 070	245	ENE	2. 9
2, 250	231	NE	3. 6
2, 430	221	NE	5. 1
2, 610	209	NNE	7. 0
2, 790	202	NNE	8. 8
2, 970	199	NNE	11. 0
3, 150	198	NNE	12. 4

Disappearance: Lost from field.

No. 5. Jan. 20, 1929; 13h 22m. Vis.: 4. Clouds: 5 ASt NE, 3 St SSE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	6	S	8. 5
216	357	S	9. 0
364	343	SSE	5. 3

Disappearance: Entered St, 364 m. Clouds had appearance of ASt, their direction being almost opposite that of the surface wind.

No. 6. Jan. 21, 1929; 21h 06m. Vis.: 6. Clouds: 8 ASt NE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	3. 6
216	252	ENE	5. 7
414	215	NE	5. 6
612	210	NNE	6. 5
801	226	NE	7. 4
990	231	NE	7. 7
1, 170	216	NE	6. 7
1, 350	191	N	6. 5
1, 530	181	N	7. 6
1, 710	186	N	8. 3
1, 890	193	NNE	8. 5
2, 070	198	NNE	9. 4
2 250	197	NNE	9. 5
2, 430	196	NNE	9. 6
2, 610	203	NNE	9. 7
2, 790	209	NNE	9. 8
2, 970	214	NE	9. 6
3, 150	218	NE	9. 5
3, 330	221	NE	10. 3
3, 510	223	NE	12. 6
3, 600	223	NE	15. 8

Disappearance: Entered ASt, 3,600 m.

No. 7. Jan. 22, 1929; 13h 05m. Clouds: 1 CiSt NNW, 3 ACu NNW, 3 ASt NNW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	356	S	1. 5
414	320	SE	2. 9
612	330	SSE	3. 5
801	334	SSE	3. 1
990	307	SE	1. 7
1, 170	288	ESE	1. 9
1, 350	273	E	2. 0
1, 530	243	ENE	2. 0
1, 710	219	NE	2. 2
1, 890	199	NNE	2. 6
2, 070	200	NNE	3. 0
2, 250	198	NNE	3. 9
2, 430	193	NNE	5. 2
2, 610	196	NNE	5. 9
2, 790	192	NNE	6. 4
2, 970	186	N	7. 7
3, 150	184	N	8. 2
3, 330	180	N	8. 5
3, 510	176	N	7. 9
3, 690	176	N	7. 9
3, 870	173	N	7. 5
4, 050	164	NNW	6. 0
4, 230	167	NNW	6. 7
4, 410	164	NNW	8. 2
4, 590	166	NNW	9. 2
4, 770	170	N	9. 2
4, 950	168	NNW	9. 1
5, 130	164	NNW	10. 6
5, 310	159	NNW	10. 7
5, 490	156	NNW	11. 7
5, 670	154	NNW	11. 7
5, 850	153	NNW	12. 0
6, 030	153	NNW	12. 0

Disappearance: Obscured by CiSt. Upper clouds increased and thickened rapidly during the forenoon. Balloon entered CiSt at 4,590 m. but was able to follow it to 6,030 m.

No. 8. Jan. 23, 1929; 19h 37m. Clouds: 9 ASt S. Vis.: 6. Low clouds and snowing during afternoon

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	31	SSW	8. 1
216	5	S	10. 4
414	348	SSE	9. 1
612	345	SSE	8. 3
801	354	S	8. 5
990	360	S	7. 9
1, 170	4	S	6. 1
1, 305	6	S	4. 5

Disappearance: Entered ASt, 1,305 m.

No. 9. Jan. 24, 1929; 7h 42m. Clouds: 2 CiSt N, 3 Cu SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	43	SW	3. 1
216	25	SSW	4. 4
414	31	SSW	5. 0
612	41	SW	6. 2
801	49	SW	8. 2
990	57	WSW	9. 2
1, 170	62	WSW	9. 8
1, 350	64	WSW	10. 3
1, 530	69	WSW	8. 3
1, 710	75	WSW	6. 3

Disappearance: Sun.

No. 10. Jan. 24, 1929; 14h 08m. Clouds: 1 Cu W. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	122	WNW	3. 1
216	90	W	6. 9
414	85	W	8. 7
612	92	W	8. 9
801	98	W	9. 5
990	96	W	10. 3
1, 170	96	W	10. 7
1, 350	97	W	10. 8
1, 530	94	W	10. 8
1, 710	94	W	10. 3
1, 890	94	W	9. 7
2, 070	96	W	10. 4
2, 250	96	W	11. 0
2, 430	94	W	10. 0
2, 610	92	W	9. 7
2, 790	94	W	10. 2
2, 970	100	W	9. 9
3, 150	102	WNW	9. 5
3, 330	100	W	9. 2
3, 510	95	W	10. 0
3, 690	85	W	9. 9
3, 870	82	W	11. 0
4, 050	82	W	12. 5
4, 230	83	W	14. 7
4, 410	80	W	19. 0
4, 590	73	WSW	23. 0
4, 770	67	WSW	26. 5
4, 950	68	WSW	27. 6
5, 130	72	WSW	29. 6
5, 310	70	WSW	30. 0
5, 490	67	WSW	28. 8

Disappearance: Bursting.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 11. Jan. 26, 1929; 20h 15m. Clouds: 4 StCu SSW. Fog, almost dense, formed rapidly after sun went behind clouds. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	83	W	2. 2
216	111	WNW	5. 3
414	125	NW	5. 1
612	135	NW	4. 7
801	142	NW	3. 8
990	144	NW	1. 4
1, 170	346	SSE	1. 9
1, 350	353	S	3. 5
1, 530	355	S	4. 3
1, 710	359	S	6. 7
1, 890	5	S	7. 8
2, 070	31	SSW	4. 6
2, 250	92	W	4. 4
2, 430	109	WNW	5. 6
2, 610	116	WNW	5. 9
2, 790	116	WNW	5. 8
2, 970	110	WNW	6. 2
3, 150	109	WNW	6. 5
3, 330	114	WNW	7. 3
3, 510	117	WNW	7. 8
3, 690	113	WNW	7. 8
3, 870	115	WNW	8. 0
4, 050	124	NW	8. 3
4, 230	126	NW	9. 8
4, 410	126	NW	11. 0
4, 590	133	NW	11. 5
4, 770	132	NW	13. 2
4, 950	131	NW	14. 4
5, 130	135	NW	14. 8
5, 310	140	NW	14. 9
5, 490	140	NW	15. 0
5, 670	138	NW	14. 6
5, 850	137	NW	13. 5
6, 030	131	NW	13. 0
6, 210	122	WNW	12. 4
6, 390	119	WNW	11. 7
6, 570	120	WNW	11. 7
6, 750	119	WNW	11. 3
6, 930	115	WNW	10. 7
7, 110	108	WNW	10. 6
7, 290	102	WNW	10. 9
7, 470	87	W	10. 5
7, 650	71	WSW	10. 6
7, 830	70	WSW	10. 9
8, 010	70	WSW	11. 0

Disappearance: Distance and fog.

No. 12. Jan. 27, 1929; 8h 55m. Clouds: 2 ACu SW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	355	S	4. 0
216	349	S	11. 6
414	340	SSE	11. 4
612	337	SSE	8. 9
801	333	SSE	8. 3
990	338	SSE	9. 4
1, 170	344	SSE	9. 8
1, 350	349	S	9. 2
1, 530	352	S	8. 5
1, 710	5	S	7. 9
1, 890	23	SSW	8. 3
2, 070	32	SSW	9. 5
2, 250	40	SW	10. 3
2, 430	50	SW	10. 5
2, 610	51	SW	9. 9

No. 12—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 790	47	SW	10. 9
2, 970	47	SW	13. 3
3, 150	51	SW	14. 0
3, 330	59	WSW	14. 2
3, 510	66	WSW	14. 2
3, 690	68	WSW	15. 3
3, 870	66	WSW	15. 8
4, 050	64	WSW	15. 0

Disappearance: Bursting.

No. 13. Jan. 29, 1929; 15h 30m. Clouds: 4 ACu SSW, 3 St SE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	330	SSE	4. 0
216	332	SSE	5. 5
414	328	SSE	3. 7
612	313	SE	3. 3
801	310	SE	3. 3
990	325	SE	4. 2
1, 170	334	SSE	5. 1

Disappearance: Behind St.

No. 14. Jan. 30, 1929; 9h 21m. Clouds: 1 A St WSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	68	WSW	1. 3
216	57	WSW	6. 7
414	71	WSW	11. 4
612	64	WSW	10. 3
801	67	WSW	10. 4
990	69	WSW	10. 2
1, 170	70	WSW	9. 9
1, 350	74	WSW	9. 8
1, 530	75	WSW	10. 3
1, 710	78	WSW	10. 7
1, 890	83	W	10. 0
2, 070	87	W	9. 7
2, 250	90	W	9. 8
2, 430	88	W	8. 8
2, 610	77	WSW	9. 5
2, 790	74	WSW	10. 8
2, 970	73	WSW	10. 9
3, 150	71	WSW	10. 4
3, 330	74	WSW	10. 3
3, 510	74	WSW	11. 8
3, 690	70	WSW	12. 6
3, 870	68	WSW	13. 8
4, 050	58	WSW	14. 5
4, 230	55	SW	15. 4
4, 410	61	WSW	17. 3
4, 590	61	WSW	19. 1
4, 770	60	WSW	18. 9
4, 950	60	WSW	19. 0
5, 130	62	WSW	21. 9
5, 310	61	WSW	24. 4
5, 490	62	WSW	25. 1
5, 670	63	WSW	25. 6
5, 850	63	WSW	29. 0
6, 030	63	WSW	28. 9
6, 210	64	WSW	27. 0
6, 390	64	WSW	30. 0
6, 570	64	WSW	28. 4
6, 750	64	WSW	28. 5
6, 930	64	WSW	29. 3
7, 110	65	WSW	27. 3
7, 290	66	WSW	28. 0

Disappearance: Distance.

No. 15. Jan. 30, 1929; 22h 16m. Clouds: Few StCu SW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	335	SSE	4. 0
216	2	S	2. 7
414	60	WSW	2. 8
612	79	W	5. 5
801	79	W	7. 3
990	79	W	7. 7
1, 170	81	W	7. 1
1, 350	90	W	6. 5
1, 530	91	W	5. 8
1, 710	75	WSW	4. 4
1, 890	48	SW	3. 2
2, 070	39	SW	3. 3
2, 250	40	SW	3. 8
2, 430	37	SW	4. 4
2, 610	40	SW	4. 6
2, 790	47	SW	4. 6
2, 970	55	SW	5. 2
3, 150	62	WSW	6. 5
3, 330	67	WSW	8. 3
3, 510	67	WSW	10. 0
3, 690	66	WSW	10. 5
3, 870	67	WSW	12. 0
4, 050	70	WSW	13. 7
4, 230	73	WSW	14. 2
4, 410	73	WSW	14. 9
4, 590	73	WSW	16. 1
4, 770	73	WSW	17. 2
4, 950	72	WSW	18. 6
5, 130	71	WSW	20. 4
5, 310	72	WSW	23. 3
5, 490	73	WSW	28. 3
5, 670	74	WSW	30. 0
5, 850	75	WSW	30. 0
6, 030	76	WSW	31. 7
6, 210	78	WSW	34. 0
6, 390	79	W	37. 1
6, 570	79	W	39. 2

Disappearance: Distance.

No. 16. Jan. 31, 1929; 14h. Clouds: Few ASt (WSW?). Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	316	SE	2. 4
414	309	SE	3. 7
612	310	SE	6. 1
801	328	SSE	7. 4
990	345	SSE	6. 3
1, 170	350	S	5. 3
1, 350	355	S	4. 9
1, 530	359	S	4. 7
1, 710	10	S	4. 5
1, 890	18	SSW	5. 1
2, 070	21	SSW	6. 2
2, 250	21	SSW	6. 7
2, 430	20	SSW	6. 5
2, 610	13	SSW	6. 2
2, 790	8	S	6. 1
2, 970	14	SSW	5. 1
3, 150	29	SSW	5. 0
3, 330	43	SW	6. 7
3, 510	47	SW	7. 5
3, 690	56	SW	7. 3
3, 870	61	WSW	7. 9
4, 050	63	WSW	7. 8
4, 230	69	WSW	7. 5

No. 16—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 410	72	WSW	8. 7
4, 590	75	WSW	9. 9
4, 770	78	WSW	10. 9
4, 950	79	W	12. 0
5, 130	81	W	12. 6
5, 310	86	W	14. 1
5, 490	87	W	17. 1
5, 670	87	W	18. 0
5, 850	87	W	18. 5
6, 030	86	W	18. 8
6, 210	90	W	18. 0
6, 390	96	W	17. 0
6, 570	99	W	16. 7
6, 750	102	WNW	16. 9
6, 930	101	W	15. 8
7, 110	96	W	16. 0
7, 290	93	W	15. 6
7, 470	91	W	15. 8
7, 650	94	W	15. 8
7, 830	99	W	15. 5
8, 010	101	W	17. 5
8, 190	102	WNW	19. 8
8, 370	97	W	19. 6
8, 550	96	W	16. 6
8, 730	102	WNW	15. 0
8, 910	96	W	14. 0
9, 090	89	W	

Disappearance: Distance.

No. 17. Feb. 1, 1929; 13h 17m. Clouds: 9 ASt NE, Few StCu ENE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	296	ESE	3. 6
216	264	E	3. 7
414	262	E	2. 8
612	243	ENE	. 8
801	22	SSW	. 4
990	24	SSW	1. 0
1, 170	346	SSE	. 9
1, 350	324	SE	1. 4
1, 530	320	SE	2. 5
1, 710	320	SE	3. 6
1, 890	322	SE	3. 6
2, 070	328	SSE	3. 1
2, 250	333	SSE	2. 1
2, 430	327	SSE	1. 2
2, 610	319	SE	. 7
2, 790	267	E	. 4
2, 856	224	NE	. 7

Disappearance: Entered ASt, 2,856 m.

No. 18. Feb. 2, 1929; 19h 30m. Clouds: 6 ASt WNW, 4 StCu W. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	245	ENE	3. 6
216	184	N	2. 5
414	137	NW	4. 3
612	118	WNW	6. 8
801	96	W	8. 8
990	89	W	9. 3
1, 125	91	W	8. 7

Disappearance: Entered StCu, 1,125 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 19. Feb. 4, 1929; 18h 48m. Clouds: Few Ci (0?), 2 ASt SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	8	S	5. 8
216	4	S	8. 7
414	348	SSE	6. 9
612	324	SE	6. 9
801	328	SSE	6. 4
990	346	SSE	5. 2
1, 170	338	SSE	5. 3
1, 350	327	SSE	4. 8
1, 530	335	SSE	3. 6
1, 710	350	S	2. 5
1, 890	328	SSE	1. 5
2, 070	303	ESE	2. 2
2, 250	311	SE	2. 1
2, 430	343	SSE	1. 3
2, 610	35	SW	1. 9
2, 790	64	WSW	1. 7
2, 970	96	W	1. 6
3, 150	128	NW	0. 8
3, 330	196	NNE	0. 6
3, 510	186	N	1. 1
3, 690	173	N	2. 7
3, 870	164	NNW	3. 1
4, 050	164	NNW	1. 7
4, 230	200	NNE	1. 6
4, 410	206	NNE	1. 2
4, 590	105	WNW	0. 8
4, 770	64	WSW	1. 5
4, 950	22	SSW	1. 8
5, 130	34	SW	1. 2
5, 310	57	WSW	1. 3
5, 490	16	SSW	1. 8
5, 670	355	S	2. 2
5, 850	9	S	2. 2
6, 030	42	SW	2. 7
6, 210	51	SW	3. 6
6, 390	35	SW	3. 3
6, 570	15	SSW	2. 4
6, 750	19	SSW	1. 9
6, 930	39	SW	2. 4
7, 110	52	SW	3. 5
7, 290	48	SW	3. 1
7, 470	49	SW	2. 4
7, 650	62	WSW	2. 5

Disappearance: Bursting.

No. 20. Feb. 5, 1929; 14h 58m. Clouds: 2 ACu S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	65	WSW	4. 5
216	27	SSW	6. 4
414	23	SSW	5. 8
612	23	SSW	4. 9
801	11	S	3. 9
990	358	S	3. 3
1, 170	356	S	3. 2
1, 350	4	S	3. 0
1, 530	9	S	2. 8
1, 710	2	S	2. 1
1, 890	357	S	2. 2
2, 070	7	S	2. 5
2, 250	26	SSW	2. 8
2, 430	45	SW	3. 3
2, 610	60	WSW	3. 4
2, 790	66	WSW	4. 2
2, 970	74	WSW	4. 9
3, 150	76	WSW	4. 3
3, 330	79	W	2. 5
3, 510	103	WNW	1. 3
3, 690	122	WNW	0. 7

No. 20—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 870	70	WSW	0. 6
4, 050	47	SW	1. 8
4, 230	44	SW	1. 7
4, 410	67	WSW	1. 7
4, 590	64	WSW	2. 1
4, 770	44	SW	1. 2
4, 950	30	SSW	0. 5
5, 130	76	WSW	0. 8
5, 310	84	W	1. 4
5, 490	90	W	2. 0
5, 670	103	WNW	2. 2
5, 850	90	W	2. 2
6, 030	82	W	1. 7
6, 210	162	NNW	1. 5
6, 390	172	N	2. 2
6, 570	199	NNE	1. 2
6, 750	212	NNE	1. 3
6, 930	180	N	2. 7
7, 110	159	NNW	3. 9
7, 290	143	NW	4. 2
7, 470	151	NNW	3. 3
7, 650	175	N	3. 1
7, 830	167	NNW	3. 4
8, 010	161	NNW	2. 9
8, 190	169	N	3. 2
8, 370	172	N	3. 5
8, 550	180	N	3. 5
8, 730	172	N	4. 5
8, 910	156	NNW	5. 3
9, 090	155	NNW	4. 5
9, 270	166	NNW	4. 3
9, 450	157	NNW	5. 0
9, 630	155	NNW	4. 6
9, 810	150	NNW	3. 8
9, 990	138	NW	4. 4
10, 170	135	NW	5. 6

Disappearance: Bursting.

No. 21. Feb. 6, 1929; 9h 14m. Clouds: 4 ACu W, 3 ASt W, 1 Cu WNW. Vis.: 6.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	93	W	4. 0
216	97	W	8. 0
414	104	WNW	9. 0
612	112	WNW	9. 5
801	118	WNW	11. 0
990	120	WNW	12. 1
1, 170	118	WNW	12. 4
1, 350	111	WNW	11. 7
1, 530	100	W	10. 5
1, 710	99	W	10. 6
1, 890	98	W	10. 9
2, 070	91	W	10. 7

Disappearance: Entered ACu, 2,070 m. Heavy Cumulus forming over sea to north of Station, remaining nearly stationary.

No. 22. Feb. 6, 1929; 19h14m. Clouds: 2 ACu NW, 1 StCu NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	248	ENE	4. 4
216	224	NE	5. 4
414	181	N	4. 4
612	153	NNW	6. 7
801	152	NNW	9. 3

No. 22—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	156	NNW	9. 5
1, 170	151	NNW	8. 5
1, 350	147	NNW	6. 6
1, 530	139	NW	5. 0
1, 710	136	NW	4. 5
1, 890	132	NW	4. 2
2, 070	129	NW	3. 4
2, 250	135	NW	2. 5
2, 430	149	NNW	3. 0
2, 610	149	NNW	4. 7
2, 790	144	NW	6. 1
2, 970	140	NW	6. 5
3, 150	134	NW	6. 5
3, 330	127	NW	6. 8
3, 510	122	WNW	8. 2
3, 690	119	WNW	9. 2
3, 870	119	WNW	9. 6
4, 050	116	WNW	10. 6
4, 230	114	WNW	11. 9
4, 410	115	WNW	12. 8
4, 590	119	WNW	14. 3
4, 770	118	WNW	16. 1
4, 950	118	WNW	17. 1
5, 130	119	WNW	19. 3
5, 310	119	WNW	20. 5
5, 490	119	WNW	22. 5
5, 670	118	WNW	26. 0
5, 850	118	WNW	26. 8
6, 030	116	WNW	28. 0
6, 210	115	WNW	29. 2

Disappearance: Distance. St Cu are along the horizon.

No. 23. Feb. 11, 1929; 16h 30m. Clouds: 7ASt NE, 3 StCu ENE. Vis.: 4. Drifting snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	257	ENE	8. 9
216	240	ENE	13. 1
414	236	NE	14. 3
612	242	ENE	14. 0
801	239	ENE	15. 5
990	234	NE	18. 3
1, 170	227	NE	18. 7
1, 350	224	NE	14. 3
1, 530	231	NE	10. 4
1, 710	240	ENE	10. 0
1, 890	243	ENE	10. 4

Disappearance: ?

No. 24. Feb. 13, 1929; 19h 30m. Clouds: 5 ACu NE, 4 StCu ENE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	6. 3
216	257	ENE	7. 5
414	235	NE	6. 1
612	229	NE	5. 9
801	225	NE	6. 5
990	225	NE	6. 9
1, 170	236	NE	6. 3
1, 350	259	E	5. 5
1, 530	271	E	4. 6
1, 710	236	NE	4. 0
1, 890	215	NE	6. 2
2, 070	217	NE	7. 4
2, 250	221	NE	7. 8

Disappearance: Entered ACu, 2,250 m.

No. 25. Feb. 14, 1929; 16h 56m. Clouds: 7 ACu WNW, 1 StCu NE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	265	E	6. 7
216	258	ENE	6. 7
414	237	ENE	3. 6
612	217	NE	2. 8
801	221	NE	3. 6
990	214	NE	3. 8
1, 170	205	NNE	3. 1
1, 350	219	NE	3. 0
1, 530	221	NE	3. 6
1, 710	217	NE	4. 4
1, 890	200	NNE	3. 9
2, 070	170	N	2. 6
2, 250	183	N	2. 2
2, 430	205	NNE	3. 2
2, 610	195	NNE	3. 1
2, 790	159	NNW	3. 2
2, 970	123	WNW	4. 3
3, 150	110	WNW	5. 1
3, 285	112	WNW	5. 2

Disappearance: Entered ACu, 3,285 m. Clouds were NE or ENE all day; changed in direction a few minutes before observation was started.

No. 26. Feb. 15, 1929; 20h 12m. Clouds: 6 ACu WNW, 4 StCu NNW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	230	NE	2. 2
216	147	NNW	2. 5
414	149	NNW	2. 9
612	148	NNW	2. 9
801	155	NNW	3. 3
990	159	NNW	3. 3
1, 170	158	NNW	2. 7
1, 350	161	NNW	2. 4

Disappearance: Entered StCu, 1,350 m.

No. 27. Feb. 16, 1929; 15h 21m. Clouds: 3 ACu SW, 4 StCu WSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	4. 0
216	13	SSW	6. 1
414	43	SW	6. 2
612	68	WSW	8. 0
801	73	WSW	8. 9
990	69	WSW	8. 6
1, 170	68	WSW	8. 1
1, 350	68	WSW	8. 4
1, 530	67	WSW	9. 2
1, 710	66	WSW	8. 7
1, 890	66	WSW	7. 7
2, 070	65	WSW	7. 6
2, 250	66	WSW	7. 4
2, 430	69	WSW	7. 1
2, 610	67	WSW	5. 9
2, 790	71	WSW	5. 2
2, 970	75	WSW	5. 7
3, 150	72	WSW	6. 0
3, 330	73	WSW	6. 2
3, 510	79	W	6. 1
3, 690	85	W	5. 9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 27—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 870	82	W	4. 1
4, 050	93	W	2. 3
4, 230	120	WNW	3. 5
4, 410	113	WNW	3. 2
4, 590	105	WNW	3. 0
4, 770	91	W	2. 7
4, 950	77	WSW	2. 4
5, 130	86	W	2. 3
5, 310	99	W	3. 2
5, 490	98	W	4. 3
5, 670	129	NW	6. 8
5, 850	144	NW	8. 8
6, 030	143	NW	8. 2
6, 210	142	NW	9. 6
6, 390	141	NW	10. 2
6, 570	140	NW	10. 5
6, 750	142	NW	11. 8
6, 930	145	NW	12. 6
7, 110	145	NW	13. 4
7, 290	144	NW	14. 5
7, 470	147	NNW	15. 2
7, 650	149	NNW	14. 8
7, 830	150	NNW	14. 9
8, 010	147	NNW	15. 4
8, 190	144	NW	15. 0

Disappearance: Cut off by ACu. The sky has been covered with StCu clouds all day, except a small strip along the southern horizon. About 15h the StCu moved out bodily toward the NE.

No. 28. Feb. 17, 1929; 7h 37m. Clouds: 1 ASt S, Few St S. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	28	SSW	3. 6
216	14	SSW	5. 9
414	5	S	5. 5
612	1	S	7. 3
801	359	S	10. 2
990	354	S	13. 4
1, 170	355	S	16. 5
1, 350	357	S	17. 4
1, 530	357	S	14. 8
1, 710	3	S	10. 3
1, 890	15	SSW	9. 0
2, 070	17	SSW	9. 4
2, 250	16	SSW	8. 7
2, 430	14	SSW	7. 2
2, 610	9	S	7. 2
2, 790	5	S	7. 9
2, 970	1	S	6. 7
3, 150	0	S	6. 0
3, 330	356	S	6. 2
3, 510	351	S	6. 5
3, 690	356	S	7. 0
3, 870	357	S	5. 5
4, 050	359	S	4. 5
4, 230	6	S	4. 0
4, 410	7	S	3. 2
4, 590	6	S	4. 2
4, 770	357	S	4. 5
4, 950	329	SSE	3. 5
5, 130	312	SE	3. 2
5, 310	321	SE	2. 6

No. 28—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5, 490	313	SE	1. 5
5, 670	328	SSE	1. 0
5, 850	358	S	1. 0

Disappearance: Cut off by very thin St. Very thin Stratus drifted in during the observation and cut off the balloon.

No. 29. Feb. 18, 1929; 7h 45m. Clouds: Few CiSt WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	359	S	1. 8
216	276	E	5. 6
414	273	E	5. 3
612	282	ESE	6. 5
801	297	ESE	8. 2
990	318	SE	9. 3
1, 170	326	SE	10. 8
1, 350	327	SSE	10. 2
1, 530	318	SE	6. 3
1, 710	307	SE	3. 1
1, 890	344	SSE	1. 7
2, 070	10	S	1. 1
2, 250	42	SW	1. 0
2, 430	75	WSW	1. 3
2, 610	108	WNW	1. 1
2, 790	128	NW	1. 6
2, 970	129	NW	3. 1
3, 150	126	NW	4. 6
3, 330	125	NW	5. 0
3, 510	112	WNW	3. 7
3, 690	115	WNW	4. 8
3, 870	120	WNW	6. 0
4, 050	114	WNW	5. 4
4, 230	115	WNW	6. 2
4, 410	115	WNW	6. 9
4, 590	104	WNW	7. 1
4, 770	103	WNW	7. 3
4, 950	109	WNW	7. 5
5, 130	114	WNW	7. 7
5, 310	116	WNW	7. 3
5, 490	115	WNW	7. 0
5, 670	114	WNW	6. 8
5, 850	113	WNW	7. 2
6, 030	113	WNW	7. 5
6, 210	117	WNW	7. 6
6, 390	118	WNW	7. 5
6, 570	131	NW	7. 7
6, 750	132	NW	7. 9
6, 930	130	NW	7. 9
7, 110	131	NW	7. 9
7, 290	133	NW	8. 5
7, 470	138	NW	9. 2
7, 650	140	NW	9. 5
7, 830	145	NW	9. 4
8, 010	152	NNW	9. 8
8, 190	153	NNW	10. 4
8, 370	152	NNW	11. 7
8, 550	154	NNW	13. 8
8, 730	152	NNW	13. 4
8, 910	150	NNW	11. 3
9, 090	147	NNW	9. 5
9, 270	144	NW	8. 4

Disappearance: Bursting.

No. 30. Feb. 18, 1929; 18h 50m. Clouds: 1 Ci WNW, 1 ACu WSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	4. 5
216	274	E	13. 1
414	273	E	11. 6
612	275	E	8. 3
801	282	ESE	5. 5
990	298	ESE	3. 8
1, 170	320	SE	3. 6
1, 350	320	SE	3. 9
1, 530	325	SE	3. 6
1, 710	357	S	4. 2
1, 890	14	SSW	5. 5
2, 070	27	SSW	3. 7
2, 250	118	WNW	1. 2
2, 430	150	NNW	3. 6
2, 610	148	NNW	5. 7
2, 790	144	NW	7. 1
2, 970	134	NW	7. 0
3, 150	128	NW	6. 3
3, 330	124	NW	6. 4
3, 510	126	NW	6. 3
3, 690	134	NW	5. 7
3, 870	139	NW	5. 4

Disappearance: Bursting.

No. 31. Feb. 19, 1929; 8h 31m. Clouds: 0. Vis.: 4. Drifting snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	8. 1
216	286	ESE	12. 4
414	289	ESE	11. 6
612	295	ESE	8. 3
801	315	SE	5. 4
990	326	SE	5. 8
1, 170	325	SE	5. 5
1, 350	317	SE	6. 0
1, 530	326	SE	6. 7
1, 710	338	SSE	8. 3
1, 890	339	SSE	11. 3
2, 070	336	SSE	12. 5
2, 250	325	SE	10. 1
2, 430	349	S	3. 8
2, 610	94	W	5. 2
2, 790	110	WNW	6. 3
2, 970	107	WNW	6. 1
3, 150	111	WNW	4. 3
3, 330	127	NW	3. 3
3, 510	149	NNW	3. 7
3, 690	153	NNW	4. 7
3, 870	145	NW	5. 4
4, 050	150	NNW	6. 0
4, 230	151	NNW	6. 2
4, 410	150	NNW	6. 2
4, 590	148	NNW	5. 9
4, 770	150	NNW	5. 4
4, 950	154	NNW	7. 0
5, 130	158	NNW	8. 3
5, 310	161	NNW	7. 9
5, 490	165	NNW	8. 2
5, 670	166	NNW	9. 2
5, 850	167	NNW	9. 5
6, 030	164	NNW	9. 3
6, 210	158	NNW	9. 6

Disappearance: Lost.

No. 32. Feb. 19, 1929; 19h 16 m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	4. 5
216	313	SE	7. 7
414	319	SE	9. 3
612	323	SE	9. 5
801	327	SSE	7. 8
990	340	SSE	6. 3
1, 170	351	S	7. 2
1, 350	350	S	10. 6
1, 530	347	SSE	13. 6
1, 710	342	SSE	12. 2
1, 890	335	SSE	8. 3
2, 070	333	SSE	4. 3
2, 250	8	S	2. 8
2, 430	36	SW	3. 0
2, 610	94	W	3. 7
2, 790	114	WNW	5. 7
2, 970	120	WNW	6. 5
3, 150	127	NW	8. 4
3, 330	126	NW	9. 3
3, 510	127	NW	8. 9
3, 690	132	NW	8. 7
3, 870	136	NW	8. 8
4, 050	138	NW	8. 9
4, 230	141	NW	9. 0
4, 410	148	NNW	9. 1
4, 590	150	NNW	8. 7
4, 770	153	NNW	8. 5
4, 950	157	NNW	8. 5
5, 130	154	NNW	8. 4
5, 310	156	NNW	8. 5
5, 490	162	NNW	8. 9
5, 670	164	NNW	9. 4
5, 850	162	NNW	9. 6
6, 030	158	NNW	9. 8
6, 210	156	NNW	10. 1
6, 390	158	NNW	10. 3
6, 570	160	NNW	10. 3
6, 750	159	NNW	10. 3
6, 930	161	NNW	9. 4
7, 110	164	NNW	9. 7
7, 290	159	NNW	10. 8
7, 470	162	NNW	10. 5
7, 650	162	NNW	12. 0
7, 830	158	NNW	9. 4
8, 010	159	NNW	8. 0
8, 190	162	NNW	7. 6
8, 370	161	NNW	8. 3
8, 550	165	NNW	8. 7
8, 730	169	N	8. 9
8, 910	168	NNW	10. 0
9, 090	167	NNW	9. 8
9, 270	167	NNW	8. 2
9, 450	167	NNW	7. 6

Disappearance: Bursting.

No. 33. Feb. 20, 1929; 8h 26m. Clouds: 3 CiSt NNW, Few ACu WNW, 2 StCu S. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	354	S	3. 6
216	342	SSE	6. 5
414	339	SSE	7. 1
612	338	SSE	8. 0
801	355	S	5. 6
990	42	SW	7. 2
1, 170	58	WSW	10. 6
1, 350	68	WSW	11. 9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 33—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,530	68	WSW	13.6
1,710	77	WSW	13.9
1,890	83	W	12.6
2,070	87	W	10.5
2,250	116	WNW	9.7
2,430	125	NW	11.4
2,610	119	WNW	13.6
2,790	121	WNW	14.2
2,970	124	NW	14.3
3,150	119	WNW	13.1
3,330	119	WNW	11.4
3,510	129	NW	11.3
3,690	132	NW	11.4
3,870	136	NW	11.1
4,050	143	NW	9.8
4,230	145	NW	10.1
4,410	141	NW	10.6
4,590	147	NNW	11.5
4,770	155	NNW	12.4

Disappearance: Entered CiSt, 4,770 m.

No. 34. Feb. 20, 1929; 22h 53m. Clouds: 1 Ci WNW, 1 StCu S. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	344	SSE	1.8
216	318	SE	4.4
414	315	SE	4.9
612	309	SE	6.5
801	305	SE	6.3
990	317	SE	5.6
1,170	334	SSE	7.4
1,350	337	SSE	11.0
1,530	335	SSE	12.8
1,710	347	SSE	11.7
1,890	360	S	10.7
2,070	1	S	9.2
2,250	4	S	7.4
2,430	10	S	6.8
2,610	9	S	6.8
2,790	7	S	6.7
2,970	14	SSW	4.4
3,150	32	SSW	3.0
3,330	59	WSW	3.5
3,510	86	W	4.8
3,690	96	W	5.4
3,870	100	W	5.7
4,050	102	WNW	6.0
4,230	113	WNW	6.8
4,410	121	WNW	7.9
4,590	117	WNW	8.4
4,770	117	WNW	9.0
4,950	115	WNW	9.9
5,130	112	WNW	10.3
5,310	117	WNW	10.2
5,490	121	WNW	10.3

Disappearance: Frosting of lens.

No. 35. Feb. 21, 1929; 8h 06m. Clouds: Few ASt WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	289	ESE	4.0
216	285	ESE	13.2
414	287	ESE	16.5
612	302	ESE	8.2

No. 35—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	312	SE	6.8
990	312	SE	6.6
1,170	311	SE	6.6
1,350	307	SE	7.0
1,530	302	ESE	7.8
1,710	297	ESE	8.5
1,890	297	ESE	7.8
2,070	311	SE	7.8
2,250	312	SE	7.4
2,430	303	ESE	5.3
2,610	308	SE	3.7
2,790	305	SE	2.7
2,970	308	SE	2.1
3,150	355	S	.2
3,330	120	WNW	2.6
3,510	116	WNW	4.4
3,690	111	WNW	5.3
3,870	105	WNW	6.3
4,050	101	W	6.6
4,230	102	WNW	7.2
4,410	101	W	8.3
4,590	101	W	9.1
4,770	107	WNW	10.1
4,950	111	WNW	11.0
5,130	115	WNW	11.4
5,310	113	WNW	11.8
5,490	108	WNW	12.6
5,670	110	WNW	13.8
5,850	106	WNW	13.6
6,030	102	WNW	13.5
6,210	101	W	14.2
6,390	103	WNW	14.7
6,570	103	WNW	15.3
6,750	100	W	15.9
6,930	102	WNW	16.3
7,110	101	W	18.9
7,290	99	W	22.8
7,470	99	W	26.8
7,650	99	W	29.9
7,830	99	W	30.4
8,010	99	W	29.8
8,190	99	W	31.8
8,370	98	W	29.0
8,550	98	W	22.7
8,730	100	W	18.0
8,910	103	WNW	15.0
9,090	104	WNW	14.8
9,270	104	WNW	11.9
9,450	104	WNW	7.4
9,630	118	WNW	7.4
9,810	129	NW	7.1
9,990	126	NW	6.7
10,170	126	NW	7.9
10,350	116	WNW	6.1
10,530	103	WNW	4.4
10,710	129	NW	3.9
10,890	140	NW	4.4

Disappearance: Bursting (?).

No. 36. Feb. 21, 1929; 19h 40m. Clouds: 2 CiSt NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	4.5
216	310	SE	11.6
414	300	ESE	12.4
612	294	ESE	12.5
801	294	ESE	14.1
990	293	ESE	12.8

No. 36—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,170	295	ESE	11.0
1,350	300	ESE	9.5
1,530	309	SE	9.2
1,710	309	SE	9.6
1,890	306	ESE	9.2
2,070	303	ESE	8.8
2,250	308	SE	8.3
2,430	314	SE	5.6
2,610	312	SE	2.5
2,790	306	SE	1.2
2,970	36	SW	.8
3,150	84	W	2.2
3,330	105	WNW	3.2
3,510	109	WNW	3.9
3,690	111	WNW	4.9
3,870	108	WNW	5.7
4,050	108	WNW	6.4
4,230	111	WNW	7.1
4,410	113	WNW	7.5
4,590	112	WNW	7.9
4,770	114	WNW	7.8
4,950	112	WNW	8.0
5,130	106	WNW	9.0
5,310	110	WNW	9.4
5,490	109	WNW	9.3
5,670	112	WNW	10.0
5,850	117	WNW	11.5
6,030	118	WNW	11.8
6,210	118	WNW	12.0
6,390	118	WNW	12.4

Disappearance: Bursting.

No. 37. Feb. 22, 1929; 8h 37m. Clouds: 1 CiSt NNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	255	ENE	1.8
216	324	SE	6.3
414	325	SE	10.7
612	317	SE	15.6
801	310	SE	17.1
990	308	SE	13.8
1,170	318	SE	11.7
1,350	326	SE	12.1
1,530	328	SSE	11.3
1,710	332	SSE	10.9
1,890	336	SSE	10.3
2,070	327	SSE	7.1
2,250	299	ESE	5.3
2,430	276	E	3.5
2,610	232	NE	1.2
2,790	209	NNE	1.3
2,970	184	N	1.9
3,150	158	NNW	1.9
3,330	154	NNW	1.7
3,510	139	NW	2.0
3,690	136	NW	2.9
3,870	150	NNW	3.4
4,050	156	NNW	4.2
4,230	156	NNW	5.3
4,410	157	NNW	6.7
4,590	156	NNW	7.2
4,770	157	NNW	7.3
4,950	154	NNW	7.7
5,130	152	NNW	8.3
5,310	155	NNW	8.5
5,490	157	NNW	8.5
5,670	155	NNW	9.5
5,850	155	NNW	10.2
6,030	158	NNW	10.5

No. 37—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,210	161	NNW	11.4
6,390	159	NNW	12.8
6,570	160	NNW	13.7
6,750	162	NNW	14.8
6,930	162	NNW	15.3
7,110	162	NNW	15.3
7,290	162	NNW	15.7
7,470	159	NNW	16.2
7,650	155	NNW	17.5
7,830	154	NNW	19.5
8,010	154	NNW	20.1
8,190	155	NNW	19.9
8,370	156	NNW	17.6
8,550	159	NNW	14.5
8,730	162	NNW	14.4
8,910	160	NNW	12.8
9,090	163	NNW	10.8
9,270	167	NNW	10.5
9,450	167	NNW	9.5
9,630	176	N	9.5
9,810	174	N	8.7
9,990	161	NNW	8.5
10,170	161	NNW	9.6

Disappearance: Bursting.

No. 38. Feb. 22, 1929; 20h 30m. Clouds: 3 CiSt NNW, 1 StCu (E?). Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	4.5
216	321	SE	10.0
414	312	SE	15.2
612	312	SE	13.8
801	323	SE	8.5
990	336	SSE	7.4
1,170	331	SSE	7.6
1,350	312	SE	7.3
1,530	300	ESE	6.3
1,710	292	ESE	4.2
1,890	277	E	2.7
2,070	259	E	2.4
2,250	225	NE	3.0
2,430	190	N	4.7
2,610	182	N	5.7
2,790	190	N	4.6
2,970	191	N	3.9
3,150	191	N	3.6
3,330	193	N	4.3
3,510	199	NNE	5.0
3,690	201	NNE	5.3
3,870	197	NNE	5.6
4,050	192	NNE	5.6
4,230	186	N	5.8
4,410	177	N	6.0
4,590	173	N	6.7
4,770	171	N	7.8
4,950	173	N	8.8
5,130	173	N	8.6
5,310	168	NNW	8.3
5,490	168	NNW	8.8
5,670	170	N	9.9
5,850	168	NNW	11.5
6,030	166	NNW	12.9
6,210	166	NNW	13.5

Disappearance: Bursting (?).

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 39. Feb. 23, 1929; 9h 05m. Clouds: 6 Ci N, Few ACu NE. Vis.: 8.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	4. 0
216	355	S	5. 4
414	328	SSE	6. 8
612	328	SSE	10. 2
801	328	SSE	9. 3
990	318	SE	7. 7
1, 170	306	SE	7. 3
1, 350	291	ESE	7. 2
1, 530	285	ESE	6. 8
1, 710	288	ESE	5. 3
1, 890	292	ESE	4. 5
2, 070	285	ESE	4. 4
2, 250	277	E	4. 1
2, 430	266	E	4. 4
2, 610	257	ENE	4. 8
2, 790	246	ENE	3. 7
2, 970	239	ENE	2. 4
3, 150	238	ENE	3. 0
3, 330	229	NE	3. 5
3, 510	218	NE	3. 6
3, 690	214	NE	5. 0
3, 870	213	NNE	6. 4
4, 050	215	NE	6. 3
4, 230	223	NE	5. 8
4, 410	227	NE	6. 3
4, 590	215	NE	6. 4
4, 770	208	NNE	6. 9
4, 950	210	NNE	7. 8
5, 130	211	NNE	7. 9
5, 310	213	NNE	7. 5
5, 490	205	NNE	6. 8
5, 670	195	NNE	6. 9
5, 850	191	N	7. 8
6, 030	194	NNE	8. 9
6, 210	193	NNE	9. 5
6, 390	193	NNE	9. 5
6, 570	195	NNE	9. 2
6, 750	194	NNE	9. 0
6, 930	192	NNE	9. 5
7, 110	187	N	9. 7
7, 290	184	N	9. 9
7, 470	183	N	10. 6
7, 650	184	N	11. 6
7, 830	184	N	12. 4
8, 010	184	N	12. 2
8, 190	183	N	11. 6
8, 370	180	N	11. 6
8, 550	172	N	11. 6
8, 730	180	N	11. 3
8, 910	184	N	12. 2
9, 090	180	N	10. 9
9, 270	181	N	10. 4
9, 450	178	N	10. 8

Disappearance: Bursting.

No. 40. Feb. 23, 1929; 20h 09m. Clouds: 4 ASt (NE?), 5 St SE. Vis.: 4.

Surface	318	SE	4. 0
216	312	SE	6. 7

Disappearance: Entered St, 216 m.

No. 41. Feb. 24, 1929; 19h 30m. Clouds: 10 StCu NE. Vis.: 4. Lt. drift

Surface	280	E	9. 4
216	258	ENE	18. 4
414	247	ENE	19. 4
612	243	ENE	18. 6
801	240	ENE	17. 6
990	236	NE	18. 2
1, 170	235	NE	17. 7
1, 350	235	NE	16. 8
1, 530	237	ENE	15. 5
1, 710	241	ENE	14. 3
1, 890	243	ENE	14. 5
2, 070	240	ENE	13. 1
2, 160	235	NE	10. 0

Disappearance: Entered StCu, 2,160 m.

No. 42. Feb. 25, 1929; 8h 15m. Clouds: 2 CiSt NW, 2 ACu N, 4 StCu ENE. Vis.: 7

Surface	266	E	5. 4
216	228	NE	12. 4
414	220	NE	12. 5
612	226	NE	9. 5
801	240	ENE	9. 1
990	242	ENE	10. 2
1, 170	242	ENE	9. 5
1, 350	247	ENE	9. 7
1, 530	256	ENE	11. 2
1, 710	257	ENE	12. 1
1, 890	254	ENE	11. 6
2, 070	247	ENE	12. 1
2, 250	248	ENE	13. 8
2, 430	253	ENE	14. 3
2, 610	257	ENE	13. 4
2, 790	256	ENE	12. 2
2, 970	253	ENE	11. 3
3, 150	255	ENE	9. 5
3, 330	257	ENE	8. 8
3, 510	259	E	10. 4
3, 690	260	E	8. 1
3, 870	243	ENE	3. 8
4, 050	184	N	2. 3
4, 230	189	N	2. 3
4, 410	217	NE	3. 8
4, 590	214	NE	5. 7
4, 770	233	NE	7. 9
4, 950	243	ENE	9. 5
5, 130	239	ENE	9. 9
5, 310	231	NE	10. 6
5, 490	219	NE	8. 0
5, 670	216	NE	8. 3
5, 850	214	NE	9. 7
6, 030	207	NNE	8. 2

Disappearance: Cut off by ACu.

No. 43. Feb. 25, 1929; 20h 10m. Clouds: 2 CiSt NE, 5 ASt SSW, 2 St NE. Vis.: 7.

Surface	268	E	4. 9
216	241	ENE	9. 2
414	220	NE	10. 9
612	216	NE	13. 2

No. 43—Continued

801	220	NE	13. 4
990	232	NE	10. 9
1, 170	238	ENE	9. 0
1, 350	235	NE	9. 5
1, 530	242	ENE	10. 0
1, 710	256	ENE	9. 4
1, 890	266	E	9. 3
2, 070	268	E	9. 8
2, 250	264	E	9. 6
2, 430	270	E	8. 8
2, 610	271	E	9. 7
2, 790	268	E	8. 9
2, 970	264	E	4. 5
3, 150	228	NE	0. 8
3, 330	71	WSW	0. 8
3, 510	28	SSW	1. 3
3, 690	19	SSW	1. 4

Disappearance: Entered ASt, 3,690 m.

No. 44. Feb. 26, 1929; 8h 40m. Clouds: 9 ASt E, Few St ENE. Vis.: 6

Surface	288	ESE	7. 1
216	284	ESE	10. 9
414	276	E	8. 0
612	275	E	6. 2
801	268	E.	4. 5
990	236	NE	3. 7
1, 170	239	ENE	3. 3
1, 350	266	E	3. 8
1, 395	266	E	4. 0

Disappearance: Entered ASt, 1,395 m.

No. 45. Feb. 26, 1929; 20h 18m. Clouds: Few CiSt ENE, 9 ASt NNE. Vis.: 7

Surface	356	S	3. 1
216	304	SE	7. 8
414	297	ESE	10. 5
612	296	ESE	8. 0
801	305	SE	5. 9
990	295	ESE	5. 8
1, 170	280	E	6. 6
1, 350	277	E	6. 9
1, 530	282	ESE	6. 9
1, 710	282	ESE	6. 9
1, 890	274	E	7. 3
2, 070	273	E	8. 0
2, 250	274	E	8. 5
2, 430	271	E	8. 9
2, 610	264	E	8. 9
2, 790	257	ENE	7. 3
2, 970	249	ENE	5. 4
3, 150	241	ENE	4. 2
3, 330	220	NE	3. 7
3, 510	200	NNE	4. 1
3, 690	197	NNE	4. 0

Disappearance: Entered ASt, 3,690 m.

No. 46. Feb. 27, 1929; 8h 10m. Clouds: Few Ci (ENE?), 9 ACu NNW. Vis.: 8

Surface	7	S	2. 2
216	307	SE	8. 1
414	296	ESE	12. 0
612	290	ESE	11. 1
801	288	ESE	8. 8
990	290	ESE	7. 3
1, 170	304	SE	6. 6
1, 350	313	SE	6. 7
1, 530	297	ESE	5. 8
1, 710	274	E	5. 2
1, 890	258	ENE	5. 5
2, 070	245	ENE	5. 0
2, 250	236	NE	4. 9
2, 430	249	ENE	4. 4
2, 610	268	E	3. 0
2, 790	264	E	2. 2
2, 970	257	ENE	1. 3
3, 150	180	N	.7
3, 330	156	NNW	1. 7
3, 510	156	NNW	1. 9

Disappearance: Entered ACu, 3,510 m.

No. 47. Feb. 27, 1929; 19h 23m. Clouds: 1 Ci NE, 8 StCu NE. Vis.: 7

Surface	266	E	3. 1
216	257	ENE	5. 7
414	184	N	3. 8
612	187	N	4. 5
801	205	NNE	4. 6
891	216	NE	4. 4

Disappearance: Entered StCu, 891 m.

No. 48. Feb. 28, 1929; 8h 09m. Clouds: 9 StCu NW. Vis.: 6

Surface	290	ESE	4. 0
216	320	SE	2. 4
414	50	SW	2. 8
612	73	WSW	3. 1
801	95	W	2. 9
990	116	WNW	3. 1
1, 125	128	NW	3. 4

Disappearance: Entered StCu, 1,125 m.

No. 49. Feb. 28, 1929; 19h 52m. Clouds: 9 St NNE. Vis.: 7

Surface	287	ESE	4. 0
216	240	ENE	3. 0
414	212	NNE	2. 4
612	195	NNE	2. 2
801	199	NNE	2. 3
864	203	NNE	2. 4

Disappearance: Entered St, 864 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 50. Mar. 1, 1929; 18h 50m. Clouds: 3 Ci ENE, 6 St N. Vis.: 3. Moderate drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	270	E	7. 6
216	273	E	15. 0
414	262	E	10. 4
612	226	NE	5. 1
801	187	N	4. 6

Disappearance: Entered St, 801 m.

No. 51. Mar. 3, 1929; 8h 45m. Clouds: 10 StCu NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	14	SSW	4. 9
216	6	S	8. 5
414	8	S	11. 5
612	27	SSW	10. 0
801	56	SW	6. 4
990	89	W	4. 1
1, 170	120	WNW	4. 9
1, 350	120	WNW	6. 4
1, 530	126	NW	7. 1
1, 710	132	NW	6. 9
1, 845	137	NW	6. 1

Disappearance: Entered StCu, 1,845 m.

No. 52. Mar. 3, 1929; 20h 06m. Clouds: 2 CiSt, 7 StCu WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	353	S	1. 3
216	356	S	5. 1
414	360	S	3. 0
612	7	S	2. 6
801	19	SSW	2. 4
990	53	SW	1. 3
1, 170	95	W	2. 9
1, 350	105	WNW	4. 8
1, 530	106	WNW	5. 5
1, 710	94	W	6. 2
1, 890	97	W	7. 0
2, 070	96	W	9. 5
2, 250	93	W	11. 6
2, 430	102	WNW	11. 9
2, 610	117	WNW	13. 0
2, 790	123	WNW	13. 2
2, 970	120	WNW	12. 6
3, 150	119	WNW	12. 5

Disappearance: Cut off by StCu. Ci Clouds close to horizon.

No. 53. Mar. 4, 1929; 8h 08m. Clouds: 5 ASt NW, 4 ACu NW. Vis.: 5. Drifting snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	280	E	8. 1
216	273	E	12. 5
414	266	E	9. 5
612	260	E	7. 1
801	243	ENE	4. 3
990	224	NE	3. 2

No. 53—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
1, 170	218	NE	3. 5
1, 350	206	NNE	3. 8
1, 530	194	NNE	2. 6
1, 710	169	N	1. 5
1, 890	169	N	2. 1
2, 070	165	NNW	4. 4
2, 250	168	NNW	5. 2
2, 430	165	NNW	5. 1
2, 610	156	NNW	6. 4
2, 790	150	NNW	6. 9
2, 970	144	NW	7. 5
3, 150	134	NW	9. 0
3, 330	128	NW	10. 0

Disappearance: Behind ACu.

No. 54. Mar. 5, 1929; 9h. Clouds: 10 St NE. Vis.: 4. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	267	E	6. 7
216	222	NE	8. 4
414	201	NNE	9. 8
612	209	NNE	10. 8
801	216	NE	11. 4
846	222	NE	11. 2

Disappearance: Entered St, 846 m.

No. 55. Mar. 7, 1929; 8h 40m. Clouds: 5 CiSt ESE, 3 ACu ENE. Vis.: 9. Parhelia of 22° halo visible during observation. Also small arc of 46° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	66	WSW	1. 8
216	110	WNW	0. 6
414	315	SE	3. 3
612	318	SE	7. 5
801	313	SE	8. 5
990	314	SE	6. 1
1, 170	349	S	3. 6
1, 350	3	S	5. 2
1, 530	5	S	7. 7
1, 710	3	S	8. 2
1, 890	336	SSE	6. 9
2, 070	321	SE	8. 6
2, 250	323	SE	9. 9
2, 430	319	SE	9. 2
2, 610	305	SE	7. 9
2, 790	292	ESE	7. 3
2, 970	288	ESE	6. 4
3, 150	284	ESE	5. 8
3, 330	277	E	6. 0
3, 510	273	E	5. 9
3, 690	270	E	6. 0
3, 870	262	E	6. 1
4, 050	257	ENE	5. 1
4, 230	274	E	4. 3
4, 410	287	ESE	5. 0
4, 590	289	ESE	4. 7
4, 770	287	ESE	4. 6
4, 950	287	ESE	5. 3

Disappearance: Entered CiSt, 4,950 m.

No. 56. Mar. 7, 1929; 20h 20m. Clouds: 4 CiSt NNW, 5 ACu NNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	249	ENE	4. 5
216	197	NNE	5. 1
414	170	N	5. 7
612	169	N	4. 5
801	166	NNW	3. 0
990	196	NNE	1. 4
1, 170	240	ENE	2. 2
1, 350	230	NE	3. 4
1, 530	218	NE	4. 6
1, 710	210	NNE	5. 2
1, 890	202	NNE	5. 0
2, 070	194	NNE	4. 6
2, 250	171	N	4. 7
2, 430	149	NNW	5. 2
2, 610	149	NNW	4. 2
2, 790	177	N	2. 9
2, 970	207	NNE	3. 5
3, 150	194	NNE	4. 0
3, 330	186	N	4. 1
3, 510	185	N	5. 8
3, 690	174	N	6. 0
3, 870	158	NNW	9. 0
4, 050	146	NW	8. 8
4, 230	149	NNW	7. 5
4, 410	156	NNW	7. 5
4, 590	162	NNW	9. 4
4, 770	165	NNW	10. 7
4, 950	164	NNW	10. 9

Disappearance: Entered ACu, 4,950 m.

No. 57. Mar. 8, 1929; 14h 30m. Clouds: 2 Ci WNW, 1 StCu WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	94	W	4. 0
216	85	W	7. 4
414	94	W	9. 3
612	97	W	12. 0
801	99	W	13. 9
990	107	WNW	13. 5
1, 170	116	WNW	13. 5
1, 350	116	WNW	14. 0
1, 530	112	WNW	14. 5
1, 710	111	WNW	15. 5
1, 890	113	WNW	15. 6
2, 070	118	WNW	16. 5
2, 250	117	WNW	18. 8
2, 430	119	WNW	21. 0
2, 610	124	NW	22. 3
2, 790	127	NW	22. 5
2, 970	128	NW	22. 5
3, 150	128	NW	23. 1
3, 330	124	NW	23. 2
3, 510	122	WNW	24. 4
2, 690	124	NW	25. 6

Disappearance: Distance. Cirrus moving rapidly.

No. 58. Mar. 8, 1929; 21h 17m. Clouds: 2 ASt WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	Calm	--------	Calm
216	88	W	4. 4
414	99	W	7. 6
612	100	W	9. 8
801	101	W	10. 5

No. 58—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
990	102	WNW	10. 3
1, 170	103	WNW	10. 4
1, 350	104	WNW	14. 1
1, 530	104	WNW	17. 5

Disappearance: Darkness.

No. 59. Mar. 10, 1929; 12h 51m. Clouds: 1 ACu W. Vis.: 7. 22° and 46° haloes visible during observation; also upper tangent arc to 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	60	WSW	5. 4
216	64	WSW	12. 7
414	62	WSW	16. 5
612	67	WSW	17. 7
801	70	WSW	19. 3
990	72	WSW	20. 0
1, 170	75	WSW	20. 9
1, 350	77	WSW	22. 4
1, 530	78	WSW	20. 6
1, 710	72	WSW	18. 9
1, 890	68	WSW	18. 9
2, 070	68	WSW	18. 2
2, 250	66	WSW	16. 3
2, 430	66	WSW	15. 0
2, 610	70	WSW	16. 3
2, 790	71	WSW	16. 4
2, 970	75	WSW	16. 1
3, 150	80	W	15. 6
3, 330	82	W	13. 7
3, 510	86	W	13. 0
3, 690	86	W	12. 5
3, 870	83	W	12. 4
4, 050	81	W	13. 4
4, 230	85	W	14. 7
4, 410	85	W	14. 7
4, 590	84	W	15. 4
4, 770	82	W	16. 2
4, 950	83	W	15. 7
5, 130	88	W	16. 0
5, 310	85	W	16. 0
5, 490	82	W	17. 3
5, 670	86	W	18. 5
5, 850	87	W	18. 5
6, 030	88	W	19. 2
6, 210	91	W	18. 5
6, 390	94	W	17. 2

Disappearance: Distance.

No. 60. Mar. 11, 1929; 19h 01m. Clouds: 2 StCu WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	5	S	1. 8
216	342	SSE	6. 1
414	341	SSE	4. 4
612	66	WSW	3. 4
801	101	W	7. 7
990	109	WNW	10. 0
1, 170	111	WNW	10. 5
1, 350	115	WNW	8. 9
1, 530	113	WNW	7. 0
1, 710	102	WNW	10. 7
1, 890	102	WNW	13. 6
2, 070	103	WNW	13. 9
2, 250	103	WNW	17. 1
2, 430	103	WNW	18. 7

Disappearance: Lost from field.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 61. Mar. 13, 1929; 8h 20m. Clouds: 4 ASt SE, 5 St SE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	3	S	5. 4
216	307	SE	10. 7
414	299	ESE	13. 3
612	300	ESE	11. 1
801	306	SE	10. 0
990	306	SE	10. 6

Disappearance: Cut off by St.

No. 62. Mar. 16, 1929; 18h 18m. Clouds: 4 ASt N, 5 StCu NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	34	SW	5. 4
216	32	SSW	13. 2
414	34	SW	14. 0
612	39	SW	11. 8
801	45	SW	10. 7
990	45	SW	8. 7
1, 170	57	WSW	6. 2
1, 350	86	W	4. 2
1, 530	130	NW	3. 4
1, 710	150	NNW	4. 2
1, 890	161	NNW	5. 8
2, 070	166	NNW	8. 4
2, 250	164	NNW	9. 6
2, 430	161	NNW	9. 4
2, 610	157	NNW	9. 8
2, 790	156	NNW	9. 6
2, 970	163	NNW	8. 8
3, 150	175	N	8. 6
3, 330	179	N	9. 3
3, 510	175	N	10. 8
3, 690	163	NNW	11. 4
3, 870	155	NNW	10. 2
4, 050	157	NNW	9. 4
4, 230	162	NNW	9. 2
4, 410	166	NNW	9. 2

Disappearance: Behind ASt.

No. 63. Mar. 17, 1929; 11h 27m. Clouds: Few Ci W, 1 StCu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	36	SW	1. 8
216	66	WSW	7. 7
414	80	W	9. 7
612	87	W	9. 9
801	89	W	9. 7
990	89	W	9. 4
1, 170	82	W	10. 2
1, 350	83	W	11. 9
1, 530	89	W	11. 6
1, 710	88	W	10. 8
1, 890	80	W	12. 5
2, 070	78	WSW	14. 8
2, 250	78	WSW	15. 5
2, 430	74	WSW	16. 4
2, 610	73	WSW	15. 9
2, 790	74	WSW	18. 5
2, 970	74	WSW	16. 9
3, 150	75	WSW	16. 5
3, 330	75	WSW	17. 0
3, 510	78	WSW	17. 5
3, 690	82	W	18. 2

No. 63—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 870	80	W	18. 2
4, 050	76	WSW	17. 5
4, 230	73	WSW	16. 7
4, 410	74	WSW	16. 4
4, 590	74	WSW	16. 1
4, 770	73	WSW	16. 1
4, 950	72	WSW	16. 0
5, 130	73	WSW	13. 6
5, 310	75	WSW	12. 2
5, 490	82	W	14. 1
5, 670	88	W	14. 4
5, 850	87	W	15. 1
6, 030	87	W	15. 6
6, 210	86	W	15. 6
6, 390	88	W	16. 5
6, 570	90	W	16. 8
6, 750	90	W	18. 8
6, 930	95	W	18. 3
7, 110	98	W	16. 9
7, 290	97	W	16. 4
7, 470	105	WNW	15. 6
7, 650	114	WNW	15. 6

Disappearance: Distance.

No. 64. Mar. 18, 1929; 18h 47m. Clouds: 1 Ci (W?), 1 ACu, W, 2 StCu ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	245	ENE	5. 4
216	256	ENE	15. 5
414	240	ENE	10. 2
612	203	NNE	5. 5
801	204	NNE	5. 4
990	214	NE	5. 9
1, 170	207	NNE	5. 1
1, 350	170	N	2. 9
1, 530	130	NW	2. 9
1, 710	140	NW	3. 1
1, 890	200	NNE	1. 8
2, 070	256	ENE	2. 1
2, 250	242	ENE	1. 0
2, 430	102	WNW	1. 8
2, 610	102	WNW	3. 6
2, 790	106	WNW	4. 0
2, 970	97	W	4. 3
3, 150	91	W	4. 9
3, 330	85	W	4. 8
3, 510	80	W	4. 6
3, 690	88	W	4. 9
3, 870	93	W	5. 2
4, 050	90	W	5. 4

Disappearance: Behind StCu.

No. 65. Mar. 19, 1929; 9h 45m. Clouds: 2 CiSt (WNW?), 7 ASt WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	265	E	9. 4
216	264	E	11. 9
414	239	ENE	7. 3
612	221	NE	3. 8
801	271	E	1. 9
990	306	SE	3. 5
1, 170	307	SE	3. 2
1, 350	307	SE	2. 5
1, 530	275	E	0. 9

No. 65—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 710	152	NNW	2. 6
1, 890	154	NNW	3. 7
2, 070	157	NNW	3. 4
2, 250	143	NW	4. 3
2, 430	133	NW	5. 2
2, 610	136	NW	5. 2
2, 790	139	NW	5. 1
2, 970	132	NW	5. 5
3, 150	127	NW	6. 4
3, 330	122	WNW	6. 4
3, 510	120	WNW	5. 7
3, 690	121	WNW	5. 6

Disappearance: Entered ASt, 3,690 m.

No. 66. Mar. 19, 1929; 17 h 19m. Clouds: 10 ASt NNW. Vis.: 7. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	259	E	8. 9
216	258	ENE	7. 9
414	222	NE	4. 2
612	221	NE	5. 5
801	228	NE	6. 5
990	226	NE	6. 4
1, 170	221	NE	7. 2
1, 350	218	NE	7. 9
1, 530	208	NNE	6. 5
1, 710	191	N	4. 2
1, 890	180	N	1. 9
2, 070	177	N	1. 7
2, 250	179	N	3. 3
2, 430	180	N	4. 2
2, 610	185	N	4. 9
2, 790	178	N	5. 5
2, 970	170	N	6. 1
3, 150	168	NNW	7. 1
3, 330	168	NNW	8. 3
3, 510	166	NNW	9. 5
3, 690	159	NNW	10. 6
3, 870	158	NNW	10. 8
4, 050	163	NNW	10. 3
4, 230	167	NNW	11. 6
4, 410	168	NNW	12. 5
4, 590	173	N	13. 4
4, 770	176	N	14. 9
4, 950	170	N	15. 3
5, 130	167	NNW	15. 0

Disappearance: Entered ASt, 5130 m.

No. 67. Mar. 20, 1929; 8h 35m. Clouds: 10 St NE. Vis.: 3. Lt. snow during the observation. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	260	E	6. 3
216	230	NE	13. 9
414	217	NE	14. 2
474	214	NE	13. 2

Disappearance: Entered St, 474 m.

No. 68. Mar. 20, 1929; 15h 58m. Clouds: 6 ASt N, 3 St NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	8. 1
216	223	NE	15. 8
414	209	NNE	15. 8
612	195	NNE	14. 9
801	196	NNE	16. 3
990	199	NNE	17. 5
1, 170	202	NNE	15. 8
1, 350	206	NNE	14. 3
1, 530	210	NNE	13. 8
1, 710	219	NE	14. 3
1, 890	221	NE	14. 4
2, 070	211	NNE	15. 4
2, 250	198	NNE	18. 1
2, 430	195	NNE	19. 6
2, 610	193	NNE	20. 5
2, 790	191	N	20. 8
2, 970	189	N	21. 3
3, 150	189	N	22. 4
3, 330	190	N	22. 0
3, 510	187	N	21. 1
3, 690	184	N	20. 6

Disappearance: Entered ASt, 3,690 m.

No. 69. Mar. 21, 1929; 11h 35m. Clouds: 8 CiSt NE, 2 ASt NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	274	E	8. 1
216	280	E	7. 9
414	252	ENE	2. 8
612	251	ENE	4. 0
801	242	ENE	5. 4
990	235	NE	6. 5
1, 170	233	NE	6. 7
1, 350	229	NE	7. 3
1, 530	225	NE	9. 4
1, 710	227	NE	10. 0
1, 890	230	NE	9. 2
2, 070	235	NE	8. 3
2, 250	247	ENE	7. 8
2, 430	257	ENE	8. 5
2, 610	256	ENE	9. 8
2, 790	251	ENE	10. 8
2, 970	251	ENE	12. 0
3, 150	247	ENE	11. 5
3, 330	243	ENE	9. 2
3, 510	238	ENE	8. 2
3, 690	233	NE	9. 5
3, 870	231	NE	10. 2
4, 050	228	NE	9. 7
4, 230	229	NE	10. 3
4, 410	233	NE	11. 0

Disappearance: Entered CiSt, 4,410 m.

No. 70. Mar. 22, 1929; 5h 50m. Clouds: 9 CiSt NNE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	320	SE	1. 8
216	309	SE	4. 6
414	318	SE	2. 2
612	72	WSW	1. 8
801	49	SW	1. 2
990	317	SE	1. 0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 70—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,170	311	SE	1.0
1,350	314	SE	1.5
1,530	307	SE	2.7
1,710	296	ESE	3.9
1,890	290	ESE	4.7
2,070	285	ESE	5.2
2,250	278	E	5.9
2,430	266	E	6.9
2,610	264	E	6.5
2,790	268	E	5.3
2,970	262	E	4.9
3,150	250	ENE	4.3
3,330	245	ENE	4.6
3,510	258	ENE	5.0
3,690	263	E	6.4
3,870	250	ENE	7.8
4,050	239	ENE	8.0
4,230	238	ENE	8.5
4,410	234	NE	8.2
4,590	232	NE	9.4
4,770	229	NE	9.5
4,950	230	NE	9.6
5,130	227	NE	10.1
5,310	219	NE	11.3
5,490	215	NE	13.0
5,670	215	NE	13.3
5,850	216	NE	12.9
6,030	213	NNE	13.6
6,210	210	NNE	14.0
6,390	208	NNE	14.3
6,570	207	NNE	14.9
6,750	208	NNE	16.8
6,930	208	NNE	17.6

Disappearance: Entered CiSt, 6,930 m.

No. 71. Mar. 22, 1929; 16h 50m. Clouds: 4 Ci NNE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	356	S	3.1
216	329	SSE	4.3
414	322	SE	6.1
612	334	SSE	7.2
801	333	SSE	7.8
990	327	SSE	8.4
1,170	328	SSE	7.8
1,350	338	SSE	6.4
1,530	350	S	6.3
1,710	354	S	6.1
1,890	348	SSE	4.6
2,070	336	SSE	3.4
2,250	323	SE	2.9
2,430	283	ESE	3.1
2,610	257	ENE	3.9
2,790	229	NE	4.9
2,970	220	NE	6.9
3,150	221	NE	8.0
3,330	215	NE	8.8
3,510	210	NNE	9.4
3,690	212	NNE	9.7
3,870	212	NNE	10.1
4,050	208	NNE	10.2
4,230	208	NNE	10.9
4,410	205	NNE	10.8
4,590	205	NNE	12.0
4,770	205	NNE	12.5
4,950	205	NNE	13.1

No. 71—Continued

Altude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,130	202	NNE	12.9
5,310	197	NNE	13.0
5,490	197	NNE	12.8
5,670	196	NNE	12.3
5,850	193	NNE	12.1
6,030	193	NNE	11.9
6,210	193	NNE	12.0
6,390	194	NNE	13.2
6,570	193	NNE	13.1
6,750	189	N	12.4
6,930	187	N	12.8
7,110	190	N	12.9
7,290	187	N	13.3
7,470	185	N	13.2
7,650	184	N	12.8
7,830	183	N	13.5
8,010	182	N	13.7
8,190	177	N	13.2
8,370	177	N	11.2
8,550	176	N	9.8

Disappearance: Distance.

No. 72. Mar. 23, 1929; 9h 09m. Clouds: Few Ci NNE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	2.2
216	348	SSE	3.7
414	314	SE	7.8
612	308	SE	10.6
801	312	SE	8.9
990	320	SE	7.4
1,170	316	SE	7.5
1,350	307	SE	8.3
1,530	301	ESE	8.4
1,710	297	ESE	8.4
1,890	289	ESE	8.8
2,070	283	ESE	9.2
2,250	280	E	9.3
2,430	276	E	9.4
2,610	269	E	9.6
2,790	260	E	9.4
2,970	255	ENE	8.5
3,150	246	ENE	7.6
3,330	236	NE	8.1
3,510	235	NE	8.9
3,690	233	NE	6.5
3,870	229	NE	7.2
4,050	229	NE	6.5
4,230	235	NE	8.4
4,410	232	NE	9.0
4,590	227	NE	9.5
4,770	222	NE	9.4
4,950	219	NE	9.0
5,130	219	NE	9.5
5,310	214	NE	9.2
5,490	210	NNE	9.9
5,670	209	NNE	11.2
5,850	209	NNE	11.7
6,030	209	NNE	12.4
6,210	199	NNE	14.0
6,390	199	NNE	15.2
6,570	203	NNE	15.1
6,750	199	NNE	13.3
6,930	199	NNE	12.9
7,110	204	NNE	12.4
7,290	205	NNE	11.7
7,470	204	NNE	11.5

No. 72—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,650	199	NNE	10.6
7,830	196	NNE	9.6
8,010	205	NNE	8.8
8,190	218	NE	9.3
8,370	222	NE	9.3
8,550	225	NE	8.9
8,730	224	NE	7.8
8,910	214	NE	4.7
9,090	206	NNE	4.9
9,270	201	NNE	4.4
9,450	163	NNW	2.8

Disappearance: Distance.

No. 73. Mar. 23, 1929; 17h 39m. Clouds: 2 ACu NE, 2 ASt NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	31	SSW	2.2
216	309	SE	5.8
414	313	SE	6.1
612	323	SE	6.5
801	306	SE	9.6
990	301	ESE	10.8
1,170	305	SE	9.8
1,350	304	SE	8.7
1,530	298	ESE	8.3
1,710	298	ESE	8.3
1,890	300	ESE	8.1
2,070	300	ESE	7.7
2,250	292	ESE	8.0
2,430	284	ESE	7.8
2,610	273	E	6.7
2,790	265	E	6.3
2,970	258	ENE	6.1
3,150	248	ENE	6.2
3,330	248	ENE	6.0
3,510	249	ENE	6.3
3,690	243	ENE	7.1
3,870	237	ENE	6.3
4,050	234	NE	5.5

Disappearance: Darkness.

No. 74. Mar. 24, 1929; 8h 56m. Clouds: 3 ACu E, 6 StCu NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	232	NE	6.7
216	201	NNE	13.0
414	195	NNE	22.2
612	195	NNE	24.5
801	194	NNE	18.3
990	194	NNE	14.9
1,170	192	NNE	13.2
1,350	191	N	12.5
1,530	192	NNE	12.7
1,710	195	NNE	11.1
1,890	211	NNE	8.2
2,070	225	NE	10.2
2,250	225	NE	12.3
2,430	223	NE	12.7

Disappearance: Entered StCu, 2430 m.

No. 75. Mar. 29, 1929; 15h 10m. Clouds: 9 ASt WNW, 1 St NNE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	4.0
216	192	NNE	4.0
414	153	NNW	5.3
612	139	NW	6.9
801	141	NW	9.2
990	141	NW	9.2
1,170	142	NW	7.7
1,350	155	NNW	4.3
1,530	174	N	2.9
1,710	154	NNW	2.9
1,890	115	WNW	2.8
2,070	104	WNW	3.4

Disappearance: Entered A St, 2,070 m.

No. 76. Mar. 31, 1929; 15h 44m. Clouds: Few ASt. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	299	ESE	3.1
216	288	ESE	8.9
414	280	E	8.9
612	268	E	7.4
801	274	E	5.9
990	290	ESE	6.0
1,170	306	SE	6.5
1,350	309	SE	7.2
1,530	308	SE	8.5
1,710	314	SE	8.3
1,890	322	SE	7.1
2,070	332	SSE	7.3
2,250	332	SSE	8.4
2,430	330	SSE	9.0
2,610	334	SSE	9.1

Disappearance: Local smoke.

No. 77. Apr. 1, 1929; 9h 01m. Clouds: Few ASt SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	0	S	1.8
216	330	SSE	3.4
414	334	SSE	5.5
612	346	SSE	6.0
801	348	SSE	5.8
990	337	SSE	5.0
1,170	349	S	5.3
1,350	355	S	8.6
1,530	358	S	10.5
1,710	3	S	10.6
1,890	6	S	11.0
2,070	8	S	11.1
2,250	12	SSW	10.3
2,430	13	SSW	9.8
2,610	14	SSW	10.0
2,790	12	SSW	10.2
2,970	13	SSW	10.5
3,150	17	SSW	10.7
3,330	20	SSW	10.3
3,510	23	SSW	9.9
3,690	30	SSW	7.8
3,870	35	SW	7.2
4,050	44	SW	6.3
4,230	55	SW	6.0
4,410	58	WSW	6.3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 77—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 590	54	SW	6. 7
4, 770	54	SW	7. 0
4, 950	52	SW	9. 2
5, 130	52	SW	11. 0
5, 310	56	SW	12. 2
5, 490	56	SW	13. 5
5, 670	58	WSW	13. 4
5, 850	61	WSW	14. 0
6, 030	61	WSW	14. 6
6, 210	63	WSW	15. 5
6, 390	62	WSW	17. 0
6, 570	63	WSW	16. 3
6, 750	65	WSW	17. 0
6, 930	65	WSW	18. 4
7, 110	66	WSW	18. 8
7, 290	71	WSW	17. 2
7, 470	75	WSW	17. 0
7, 650	73	WSW	18. 8
7, 830	74	WSW	21. 2
8, 010	75	WSW	20. 4
8, 190	79	W	21. 6
8, 370	81	W	24. 0

Disappearance: Distance.

No. 78. Apr. 1, 1929; 16h 09m. Clouds: Few ASt SW. Vis.: 9

Surface	Calm	------	Calm
216	12	SSW	5. 2
414	15	SSW	8. 5
612	18	SSW	8. 4
801	24	SSW	7. 5
990	23	SSW	7. 8
1, 170	17	SSW	9. 2
1, 350	21	SSW	9. 8
1, 530	25	SSW	11. 0
1, 710	24	SSW	11. 5
1, 890	23	SSW	11. 0
2, 070	26	SSW	11. 3
2, 250	26	SSW	11. 5
2, 430	25	SSW	11. 4
2, 610	27	SSW	12. 0
2, 790	26	SSW	12. 7
2, 970	25	SSW	13. 4
3, 150	24	SSW	13. 9

Disappearance: Darkness.

No. 79. Apr. 2, 1929; 8h 34m. Clouds: 1 ASt W. Vis.: 9

Surface	85	W	2. 7
216	75	WSW	7. 1
414	68	WSW	9. 5
612	62	WSW	8. 6
801	65	WSW	6. 5
990	68	WSW	6. 6
1, 170	68	WSW	7. 0
1, 350	70	WSW	6. 5
1, 530	91	W	6. 1
1, 710	105	WNW	6. 8
1, 890	95	W	6. 4
2, 070	90	W	7. 2
2, 250	87	W	8. 0
2, 430	85	W	8. 3
2, 610	85	W	8. 0
2, 790	84	W	7. 1

No. 79—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 970	94	W	7. 4
3, 150	102	WNW	7. 3
3, 330	107	WNW	7. 0
3, 510	102	WNW	7. 1
3, 690	88	W	7. 1
3, 870	85	W	7. 5
4, 050	90	W	8. 0
4, 230	93	W	9. 3
4, 410	92	W	9. 8
4, 950	87	W	9. 8
4, 770	90	W	10. 2
4, 590	90	W	10. 7
5, 130	84	W	12. 3
5, 310	83	W	12. 9
5, 490	85	W	13. 2
5, 670	86	W	13. 4
5, 850	86	W	13. 8
6, 030	88	W	15. 1
6, 210	90	W	14. 3
6, 390	87	W	14. 8
6, 570	85	W	16. 2
6, 750	84	W	16. 0

Disappearance: Distance.

No. 80. Apr. 3, 1929; 8h 34m. Clouds: 3 Ci N. Vis.: 9

Surface	18	SSW	2. 2
216	0	S	5. 6
414	333	SSE	7. 2
612	307	SE	7. 7
801	293	ESE	7. 0
990	291	ESE	6. 3
1, 170	295	ESE	6. 7
1, 350	298	ESE	7. 7
1, 530	297	ESE	6. 7
1, 710	288	ESE	5. 2
1, 890	283	ESE	4. 4
2, 070	279	E	3. 8
2, 250	266	E	2. 7
2, 430	252	ENE	1. 8
2, 610	243	ENE	1. 7
2, 790	217	NE	1. 9
2, 970	194	NNE	2. 6
3, 150	183	N	2. 7
3, 330	169	N	2. 9
3, 510	178	N	3. 8
3, 690	190	N	4. 3
3, 870	199	NNE	4. 6
4, 050	203	NNE	5. 1
4, 230	196	NNE	5. 2
4, 410	199	NNE	5. 4
4, 590	198	NNE	7. 6
4, 770	197	NNE	9. 1
4, 950	202	NNE	9. 0

Disappearance: Lost from field.

No. 81. Apr. 3, 1929; 15h 15m. Clouds: 1 Ci NE. Vis.: 9

Surface	14	SSW	1. 8
216	338	SSE	5. 8
414	319	SE	7. 5
612	327	SSE	7. 3

No. 81—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	345	SSE	7. 3
990	343	SSE	8. 1
1, 170	338	SSE	8. 4
1, 350	345	SSE	8. 4
1, 530	351	S	8. 1
1, 710	350	S	7. 5
1, 890	351	S	7. 2
2, 070	359	S	7. 4
2, 250	8	S	6. 9
2, 430	10	S	5. 6
2, 610	13	SSW	5. 0
2, 790	27	SSW	4. 2
2, 970	48	SW	3. 6
3, 150	52	SW	3. 0
3, 330	60	WSW	2. 3
3, 510	89	W	2. 8
3, 690	101	W	3. 8

Disappearance: Darkness?

No. 82. Apr. 4, 1929; 10h 47m. Clouds: 1 CiSt (WSW?). Vis.: 9

Surface	30	SSW	1. 8
216	40	SW	1. 5
414	56	SW	1. 2
612	37	SW	4. 0
801	24	SSW	5. 9
990	18	SSW	6. 5
1, 170	30	SSW	6. 8
1, 350	41	SW	7. 6
1, 530	38	SW	7. 8
1, 710	33	SW	6. 8
1, 890	26	SSW	7. 7
2, 070	26	SSW	8. 6
2, 250	28	SSW	8. 3
2, 430	35	SW	10. 2
2, 610	41	SW	11. 5
2, 790	45	SW	11. 6
2, 970	51	SW	11. 5
3, 150	55	SW	10. 8
3, 330	64	WSW	10. 6
3, 510	70	WSW	11. 1
3, 690	75	WSW	10. 3
3, 870	73	WSW	9. 4
4, 050	76	WSW	9. 3
4, 230	76	WSW	10. 5
4, 410	72	WSW	11. 3
4, 590	71	WSW	12. 5
4, 770	70	WSW	15. 5
4, 950	72	WSW	16. 2
5, 130	76	WSW	16. 7
5, 310	76	WSW	18. 5
5, 490	76	WSW	19. 2

Disappearance: Distance?

No. 83. Apr. 4, 1929; 20h 49m. Clouds: 0. Vis.: 9. Moon bright

Surface	40	SW	0. 9
216	32	SSW	1. 4
414	16	SSW	3. 1
612	22	SSW	5. 2
801	41	SW	4. 9

No. 83—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	67	WSW	3. 4
1, 170	90	W	4. 1
1, 350	88	W	4. 3
1, 530	78	WSW	3. 4
1, 710	84	W	3. 2
1, 890	93	W	3. 6
2, 070	97	W	4. 7
2, 250	106	WNW	5. 6
2, 430	106	WNW	7. 4
2, 610	104	WNW	8. 8

Disappearance: Local smoke.

No. 84. Apr. 6, 1929; 13h 15m. Clouds: 8 CiSt NW, Few St SSE. Vis.: 8

Surface	22	SSW	1. 3
216	317	SE	3. 2
414	324	SE	4. 2
612	334	SSE	6. 6
801	339	SSE	9. 3
990	349	S	9. 5
1, 170	358	S	8. 5
1, 350	9	S	7. 5
1, 530	20	SSW	6. 8
1, 710	29	SSW	5. 9
1, 890	41	SW	5. 4
2, 070	61	WSW	4. 9
2, 250	77	WSW	5. 7
2, 430	86	W	7. 6
2, 610	96	W	9. 9
2, 790	102	WNW	13. 2
2, 970	107	WNW	15. 3
3, 150	110	WNW	15. 3
3, 330	110	WNW	14. 3
3, 510	119	WNW	13. 4
3, 690	128	NW	14. 3
3, 870	130	NW	14. 6
4, 050	130	NW	14. 0
4, 230	130	NW	14. 4
4, 410	132	NW	15. 5
4, 590	133	NW	16. 2
4, 770	133	NW	18. 0
4, 950	134	NW	17. 7
5, 130	133	NW	16. 8
5, 310	131	NW	18. 5
5, 490	129	NW	19. 1
5, 670	128	NW	19. 1
5, 850	128	NW	20. 4
6, 030	129	NW	21. 2

Disappearance: Distance.

No. 85. Apr. 8, 1929; 10h 34m. Clouds: 1 Ci ENE, 1 St SSW. Vis.: 9

Surface	Calm	------	Calm
216	20	SSW	11. 7
414	19	SSW	16. 8
612	20	SSW	17. 7
801	18	SSW	15. 9
990	16	SSW	13. 2
1, 170	16	SSW	8. 9
1, 350	23	SSW	5. 3
1, 530	27	SSW	5. 5
1, 710	25	SSW	6. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 85—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,890	19	SSW	6.2
2,070	349	S	4.6
2,250	311	SE	4.3
2,430	318	SE	4.8
2,610	315	SE	5.7
2,790	302	ESE	5.6
2,970	291	ESE	5.2
3,150	281	E	5.6
3,330	274	E	6.5
3,510	268	E	6.5
3,690	266	E	6.6
3,870	257	ENE	7.4
4,050	250	ENE	7.9
4,230	252	ENE	9.0
4,410	253	ENE	10.2
4,590	251	ENE	10.6
4,770	251	ENE	10.6
4,950	244	ENE	11.3
5,130	242	ENE	12.7
5,310	245	ENE	13.9
5,490	243	ENE	14.9
5,670	237	ENE	14.8
5,850	235	NE	15.8
6,030	240	ENE	17.5
6,210	244	ENE	18.4
6,390	246	ENE	20.2
6,570	244	ENE	20.8
6,750	242	ENE	21.4
6,930	241	ENE	22.3

Disappearance: Behind St. Higher layer of St clouds came in during observation, 8 St by end of observation.

No. 86. Apr. 9, 1929; 15h 44m. Clouds: 10 AStr. Vis.: 2. Lt. snow, Lt. drift

Surface	276	E	8.9
216	205	NNE	8.3
414	168	NNW	11.1
612	157	NNW	11.0
801	153	NNW	9.8
990	149	NNW	9.7
1,170	146	NW	10.4
1,350	146	NW	10.5
1,530	144	NW	10.3

Disappearance: Lost in drifting snow.

No. 87. Apr. 10, 1929; 10h 31m. Clouds: 1 Ci NNE, Few ACu NE. Vis.: 9

Surface	284	ESE	2.2
216	332	SSE	4.1
414	299	ESE	6.3
612	275	E	6.7
801	260	E	7.4
990	246	ENE	8.2
1,170	236	NE	7.9
1,350	239	ENE	8.2
1,530	244	ENE	10.1
1,710	253	ENE	12.4
1,890	252	ENE	14.3

No. 87—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,070	242	ENE	13.9
2,250	235	NE	11.8
2,430	234	NE	11.7
2,610	232	NE	12.5
2,790	230	NE	12.5
2,970	230	NE	13.0
3,150	234	NE	13.2
3,330	238	ENE	14.5
3,510	237	ENE	16.1
3,690	234	NE	16.4
3,870	233	NE	17.6
4,050	232	NE	18.3
4,230	229	NE	19.1
4,410	228	NE	19.6
4,590	228	NE	20.3
4,770	226	NE	20.9
4,950	220	NE	19.8
5,130	218	NE	21.4
5,310	217	NE	23.3
5,490	220	NE	24.3
5,670	226	NE	26.0
5,850	228	NE	28.3
6,030	227	NE	29.4
6,210	225	NE	29.0
6,390	224	NE	28.0

Disappearance: Distance.

No. 88. Apr. 10, 1929; 21h 48m. Clouds: 0

Surface	26	SSW	1.8
216	75	WSW	2.7
414	29	SSW	2.5
612	11	S	5.0
801	345	SSE	6.6
990	334	SSE	7.0
1,170	326	SE	7.1
1,350	317	SE	6.1
1,530	317	SE	4.3
1,710	331	SSE	3.8
1,890	337	SSE	3.8
2,070	329	SSE	4.5
2,250	315	SE	5.4
2,430	305	SE	5.4
2,610	298	ESE	6.4
2,790	294	ESE	8.2
2,970	293	ESE	9.2
3,150	293	ESE	10.0
3,330	295	ESE	10.1
3,510	297	ESE	9.3
3,690	287	ESE	9.0
3,870	284	ESE	11.3
4,050	286	ESE	13.2
4,230	279	E	14.2
4,410	276	E	14.6
4,590	278	E	13.9

Disappearance: Distance—frost on lens.

No. 89. Apr. 11, 1929; 10h 26m. Clouds: Few StCu, SSE Vis.: 9

Surface	43	SW	1.3
216	285	ESE	1.2
414	80	W	2.1

No. 89—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	99	W	4.3
801	92	W	5.7
990	60	WSW	6.6
1,170	35	SW	5.4
1,350	12	SSW	3.8
1,530	351	S	3.6
1,710	342	SSE	3.3
1,890	331	SSE	2.5
2,070	327	SSE	2.1
2,250	327	SSE	2.5
2,430	325	SE	3.6
2,610	314	SE	5.1
2,790	309	SE	6.1
2,970	311	SE	6.8
3,150	306	SE	6.6
3,330	298	ESE	6.2
3,510	285	ESE	6.7
3,690	282	ESE	7.6
3,870	292	ESE	8.0
4,050	290	ESE	6.9
4,230	288	ESE	5.9
4,410	296	ESE	6.3
4,590	301	ESE	7.0
4,770	303	ESE	6.3
4,950	295	ESE	5.7
5,130	288	ESE	7.7
5,310	288	ESE	8.4
5,490	289	ESE	8.5
5,670	290	ESE	9.2
5,850	296	ESE	9.5
6,030	299	ESE	10.5
6,210	299	ESE	10.1
6,390	296	ESE	10.0
6,570	288	ESE	9.2
6,750	274	E	9.4
6,930	272	E	11.1
7,110	272	E	11.0
7,290	270	E	10.8
7,470	271	E	10.9
7,650	273	E	11.5
7,830	273	E	12.4
8,010	275	E	12.3
8,190	279	E	11.7
8,370	284	ESE	13.0
8,550	283	ESE	12.3
8,730	283	ESE	11.5
8,910	288	ESE	12.1
9,090	294	ESE	12.0
9,270	296	ESE	13.2
9,450	296	ESE	11.9
9,630	296	ESE	9.2

Disappearance: Burst.

No. 90. Apr. 17, 1929; 10h 42m. Clouds: Few StCu SW. Vis.: 9

Surface	45	SW	2.7
216	33	SSW	10.5
414	38	SW	13.0
612	38	SW	13.4
801	42	SW	14.3
990	48	SW	14.8
1,170	54	SW	14.2
1,350	63	WSW	13.4
1,530	63	WSW	12.6
1,710	60	WSW	12.7

No. 90—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,890	56	SW	12.7
2,070	56	SW	12.2
2,250	43	SW	11.8
2,430	37	SW	10.5
2,610	31	SSW	8.4
2,790	30	SSW	7.9
2,970	38	SW	8.1
3,150	40	SW	10.2
3,330	40	SW	9.0
3,510	40	SW	8.4
3,690	36	SW	9.7
3,870	34	SW	11.0
4,050	33	SSW	11.5
4,230	34	SW	12.0
4,410	39	SW	14.1
4,590	40	SW	15.0
4,770	39	SW	14.3
4,950	39	SW	14.4
5,130	40	SW	15.5
5,310	41	SW	16.4
5,490	39	SW	16.4
5,670	37	SW	16.0
5,850	41	SW	17.5
6,030	46	SW	16.3
6,210	50	SW	15.5
6,390	51	SW	16.6
6,570	52	SW	17.8
6,750	52	SW	18.4
6,930	53	SW	18.6
7,110	53	SW	20.7
7,290	53	SW	22.0
7,470	52	SW	23.6
7,650	52	SW	26.4
7,830	51	SW	30.2
8,010	50	SW	30.9
8,190	49	SW	29.8
8,370	52	SW	29.3
8,550	52	SW	32.2
8,730	50	SW	31.6
8,910	50	SW	35.6

Disappearance: Distance.

No. 91. Apr. 18, 1929; 10h 18m. Clouds: 8 CiSt SW, Few St WSW. Vis.: 9

Surface	51	SW	1.8
216	54	SW	6.9
414	68	WSW	9.2
612	72	WSW	10.1
801	76	WSW	10.6
990	77	WSW	10.9
1,170	79	W	10.4
1,350	90	W	9.1
1,530	96	W	8.4
1,710	94	W	8.0
1,890	87	W	8.1
2,070	79	W	8.3
2,250	72	WSW	9.1
2,430	62	WSW	8.9
2,610	56	SW	6.8
2,790	73	WSW	6.1
2,970	83	WSW	6.8

Disappearance: Steam from ventilating pipe.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 92. Apr. 18, 1929, 20h 24m. Clouds: 3 Ci (SW?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	4.0
216	16	SSW	10.6
414	22	SSW	11.3
612	34	SW	9.5
801	54	SW	8.7
990	70	WSW	10.9
1,170	78	WSW	13.1
1,350	79	W	14.4
1,530	79	W	14.8

Disappearance: Frost on lens. Aurora visible.

No. 93. Apr. 19, 1929; 12h 28m. Clouds: 1 StCu SSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	26	SSW	3.1
216	7	S	10.1
414	4	S	12.9
612	5	S	13.1
801	8	S	9.2
990	10	S	7.5
1,170	8	S	7.7
1,350	9	S	7.8
1,530	14	SSW	9.1
1,710	17	SSW	10.1
1,890	19	SSW	10.9
2,070	25	SSW	11.3
2,250	36	SW	10.6
2,430	50	SW	9.7
2,610	59	WSW	10.2
2,790	59	WSW	10.8

Disappearance: Background.

No. 94. Apr. 19, 1929; 21h 23m. Clouds: 6 StCu SW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	353	S	3.6
216	328	SSE	3.5
414	334	SSE	3.9
612	345	SSE	9.3
801	347	SSE	9.9
990	351	S	10.3
1,170	3	S	10.6
1,350	13	SSW	11.4
1,530	13	SSW	12.3
1,710	13	SSW	12.6
1,890	21	SSW	15.6
2,070	27	SSW	16.2
2,250	39	SW	12.5
2,430	51	SW	11.5
2,610	51	SW	12.6
2,790	50	SW	14.0

Disappearance: Behind StCu.

No. 95. Apr. 20, 1929; 21h 12m. Clouds: 1 ASt. Brilliant moonlight. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	6.7
216	298	ESE	13.2
414	310	SE	11.0
612	324	SE	8.4

No. 95—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	336	SSE	8.4
990	346	SSE	10.1
1,170	355	S	11.8
1,350	360	S	11.7
1,530	355	S	9.6
1,710	4	S	6.9
1,890	32	SSW	6.1
2,070	32	SSW	6.8
2,250	21	SSW	7.4
2,430	34	SW	6.5
2,610	54	SW	5.3
2,790	75	WSW	3.4
2,970	109	WNW	3.0

Disappearance: Moonlight.

No. 96. Apr. 21, 1929; 10h 46m. Clouds: 4 ACu NNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	304	SE	1.3
216	284	ESE	13.4
414	270	E	10.6
612	250	ENE	6.9
801	244	ENE	6.3
990	244	ENE	4.4
1,170	230	NE	1.1
1,350	44	SW	1.1
1,530	343	SSE	2.3
1,710	326	SE	2.8
1,890	320	SE	1.1
2,070	214	NE	0.9
2,250	209	NNE	2.4
2,430	200	NNE	2.9
2,610	176	N	3.5
2,790	166	NNW	5.0
2,970	170	N	5.1
3,150	182	N	5.1
3,330	186	N	6.8
3,510	172	N	7.4
3,690	155	NNW	7.8
3,870	150	NNW	7.9
4,050	146	NW	7.4
4,230	150	NNW	7.4
4,410	156	NNW	7.0
4,590	163	NNW	7.3
4,770	163	NNW	7.7
4,950	162	NNW	7.4
5,130	170	N	7.3
5,310	171	N	8.2
5,490	165	NNW	9.5
5,670	170	N	10.1
5,850	173	N	10.1
6,030	173	N	10.0
6,210	177	N	9.2
6,390	181	N	10.6
6,570	183	N	11.6
6,750	180	N	11.2
6,930	176	N	10.3
7,110	175	N	9.5
7,290	175	N	9.2
7,470	173	N	9.7
7,650	163	NNW	9.8
8,830	160	NNW	9.2
8,010	163	NNW	8.3
8,190	165	NNW	8.5
8,370	167	NNW	8.2

Disappearance: Behind ACu.

No. 97. Apr. 23, 1929; 11h 11m. Clouds: 8 CiSt ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	276	E	5.4
216	293	ESE	8.4
414	283	ESE	7.0
612	273	E	4.2
801	263	E	3.8
990	238	ENE	4.5
1,170	217	NE	5.2
1,350	198	NNE	5.2
1,530	180	N	4.9
1,710	178	N	4.5
1,890	196	NNE	3.9
2,070	215	NE	3.5
2,250	229	NE	4.8
2,430	238	ENE	5.9
2,610	246	ENE	5.3
2,790	259	E	4.8
2,970	272	E	5.1
3,150	273	E	6.4
3,330	263	E	7.7
3,510	254	ENE	7.3
3,690	254	ENE	6.5
3,870	258	ENE	6.9
4,050	258	ENE	7.8
4,230	260	E	8.3
4,410	258	ENE	8.3
4,590	250	ENE	7.5
4,770	239	ENE	8.2
4,950	236	NE	8.8
5,130	239	ENE	7.8
5,310	249	ENE	8.9
5,490	251	ENE	9.0
5,670	246	ENE	8.0
5,850	247	ENE	8.2
6,030	251	ENE	9.6
6,210	246	ENE	11.4
6,390	240	ENE	12.1
6,570	236	NE	11.4
6,750	236	NE	9.8
6,930	241	ENE	9.5
7,110	240	ENE	9.7
7,290	237	ENE	9.6

Disappearance: Entered CiSt, 7290 m.

No. 98. Apr. 23, 1929; 20h 21m. Clouds: 6 CiSt NE, 2 ACu SE. Lunar halo 22°. Also corona

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	8	S	3.1
414	351	S	3.1
612	329	SSE	2.3
801	16	SSW	1.1
990	90	W	2.7
1,170	92	W	4.8
1,350	80	W	5.2
1,530	59	WSW	4.4
1,710	39	SW	4.0
1,890	35	SW	4.2
2,070	28	SSW	3.9
2,250	357	S	4.4
2,430	336	SSE	5.7
2,610	328	SSE	5.5
2,790	333	SSE	5.4
2,970	328	SSE	5.5

No. 98—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,150	318	SE	4.9
3,330	317	SE	4.8
3,510	315	SE	5.0
3,690	312	SE	4.9
3,870	304	SE	4.8
4,050	297	ESE	5.2
4,230	296	ESE	5.5

Disappearance: ?

No. 99. Apr. 24, 1929; 12h 16m. Clouds: 1 Ci, Few St SSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	51	SW	3.1
216	61	WSW	9.8
414	71	WSW	11.8
612	74	WSW	9.9
801	71	WSW	10.0
990	63	WSW	10.2
1,170	49	SW	9.2
1,350	41	SW	8.5
1,530	41	SW	8.8
1,710	38	SW	8.4
1,890	29	SSW	7.9
2,070	32	SSW	7.3
2,250	36	SW	6.5
2,430	36	SW	6.2
2,610	30	SSW	6.0
2,790	20	SSW	5.7
2,970	25	SSW	5.6
3,150	26	SSW	6.3
3,330	12	SSW	6.2
3,510	355	S	5.4
3,690	346	SSE	5.5
3,870	341	SSE	5.5
4,050	328	SSE	4.1
4,230	312	SE	3.0
4,410	298	ESE	2.9
4,590	293	ESE	2.4
4,770	298	ESE	1.9
4,950	291	ESE	1.5
5,130	260	E	1.3

Disappearance: Background.

No. 100. Apr. 24, 1929; 21h 22m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	15	SSW	3.1
216	324	SE	3.0
414	324	SE	3.6
612	348	SSE	3.5
801	10	S	2.9
990	4	S	4.2
1,170	360	S	4.5
1,350	1	S	4.8
1,530	7	S	4.5
1,710	21	SSW	4.3
1,890	27	SSW	5.1
2,070	22	SSW	6.0
2,250	15	SSW	6.0
2,430	13	SSW	6.0
2,610	19	SSW	6.4
2,790	18	SSW	6.5
2,970	12	SSW	5.5
3,150	9	S	5.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 100—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,330	7	S	6.3
3,510	1	S	6.5
3,690	1	S	6.0
3,870	1	S	6.4
4,050	4	S	6.8
4,230	8	S	6.3
4,410	8	S	6.6
4,590	10	S	7.6
4,770	9	S	8.0

Disappearance: Lost among stars.

No. 101. Apr. 25, 1929; 12h 03m. Clouds: 2 Ci WSW, 2 St (W?). Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	230	NE	2.2
216	93	W	5.1
414	76	WSW	6.7
612	46	SW	5.6
801	46	SW	8.0
990	51	SW	8.6
1,170	61	WSW	8.6
1,350	68	WSW	8.8
1,530	71	WSW	8.0
1,710	70	WSW	7.2
1,890	64	WSW	6.4
2,070	51	SW	5.4
2,250	44	SW	5.4
2,430	45	SW	6.3
2,610	41	SW	6.5
2,790	35	SW	6.6
2,970	33	SSW	7.0

Disappearance: Behind anemometer post.

No. 102. Apr. 27, 1929; 11h 32m. Clouds: Few St WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	40	SW	3.0
414	66	WSW	5.4
612	76	WSW	4.5
801	94	W	3.5
990	99	W	4.3
1,170	81	W	3.7
1,350	51	SW	4.1
1,530	37	SW	4.7
1,710	26	SSW	3.8
1,890	10	S	2.1
2,070	21	SSW	1.8
2,250	28	SSW	3.1
2,430	26	SSW	4.3
2,610	35	SW	5.2
2,790	34	SW	6.1
2,970	27	SSW	5.5
3,150	24	SSW	4.4
3,330	21	SSW	4.6
3,510	12	SSW	4.7
3,690	10	S	4.8
3,870	16	SSW	5.1
4,050	16	SSW	4.6
4,230	9	S	4.7
4,410	10	S	5.6

No. 102—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,590	12	SSW	6.0
4,770	9	S	5.6
4,950	11	S	5.3
5,130	15	SSW	5.9
5,310	13	SSW	6.0
5,490	7	S	6.6
5,670	5	S	7.7
5,850	3	S	8.0

Disappearance: Darkness.

No. 103. Apr. 27, 1929; 22h 15m. Clouds: 0. Thin layer stratus clouds drifted in after observation was started

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	217	NE	3.1
216	278	E	3.7
414	106	WNW	1.5
612	144	NW	1.1
801	272	E	1.4
990	260	E	1.4
1,170	243	ENE	1.4
1,350	278	E	2.2
1,530	316	SE	3.4
1,710	324	SE	5.2
1,890	318	SE	6.6
2,070	312	SE	7.3
2,250	309	SE	7.2
2,430	310	SE	6.8
2,610	310	SE	6.8
2,790	305	SE	7.3
2,970	307	SE	7.2
3,150	312	SE	7.3
3,330	313	SE	8.5
3,510	310	SE	9.0
3,690	310	SE	9.3
3,870	310	SE	9.4

Disappearance: Cut off by St.

No. 104. Apr. 28, 1929; 20h 15m. Clouds: 1 St SE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	4.0
216	328	SSE	8.1
414	324	SE	8.6
612	291	ESE	8.1
801	284	ESE	7.6
990	292	ESE	8.4
1,170	287	ESE	9.0
1,350	280	E	8.7
1,530	276	E	9.4
1,710	264	E	7.6
1,890	254	ENE	5.7
2,070	254	ENE	5.9
2,250	254	ENE	5.8
2,430	259	E	6.2
2,610	254	ENE	6.7
2,790	249	ENE	6.5
2,970	243	ENE	6.3
3,150	242	ENE	7.0
3,330	251	ENE	7.4
3,510	257	ENE	7.6
3,690	257	ENE	8.5
3,870	257	ENE	8.6
4,050	255	ENE	9.4

No. 104—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,230	252	ENE	9.8
4,410	254	ENE	7.8
4,590	262	E	7.4
4,770	267	E	8.2
4,950	266	E	8.3
5,130	265	E	8.6

Disappearance: Distance. 22° lunar halo, upper tangent arc and paraselenae.

No. 105. Apr. 29, 1929; 10h 40m. Clouds: 9 CiSt [1] ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	25	SSW	3.1
216	346	SSE	3.0
414	304	SE	7.5
612	295	ESE	9.4
801	285	ESE	7.0
990	268	E	7.2
1,170	270	E	9.6
1,350	275	E	9.5
1,530	273	E	8.6
1,710	266	E	8.6
1,890	264	E	9.3
2,070	261	E	10.7
2,250	252	ENE	11.7
2,430	245	ENE	11.3
2,610	250	ENE	12.1
2,790	254	ENE	12.3

[1] The clouds were typical of the cirrus type with wisps and feathery edges.

Disappearance: Entered CiSt, 2,790 m.

No. 106. Apr. 29, 1929; 21h 58m. Clouds: Few StCu E

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	36	SW	1.3
216	216	NE	2.6
414	255	ENE	2.2
612	312	SE	5.4
801	321	SE	5.8
990	316	SE	6.0
1,170	303	ESE	8.4
1,350	287	ESE	8.8
1,530	269	E	8.3
1,710	270	E	8.6
1,890	268	E	9.2
2,070	252	ENE	8.7
2,250	253	ENE	8.8
2,430	253	ENE	9.5
2,610	258	ENE	9.8
2,790	258	ENE	10.8
2,970	250	ENE	12.5
3,150	240	ENE	13.0
3,330	235	NE	14.4
3,510	235	NE	16.1
3,690	238	ENE	16.4
3,870	238	ENE	14.8
4,050	238	ENE	13.0

Disappearance: Distance.

No. 107. Apr. 30, 1929; 11h 47m. Clouds: Few Ci (NW?), Few ASt (NW?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	220	NE	5.8
216	213	NNE	7.4
414	197	NNE	6.2
612	208	NNE	3.3
801	197	NNE	2.5
990	210	NNE	2.4
1,170	249	ENE	3.9
1,350	252	ENE	6.9
1,530	252	ENE	10.7
1,710	253	ENE	12.6
1,890	255	ENE	12.6
2,070	257	ENE	13.0
2,250	256	ENE	14.0
2,430	251	ENE	15.7
2,610	249	ENE	16.8
2,790	247	ENE	16.8
2,970	247	ENE	17.5
3,150	247	ENE	17.9

Disappearance: Darkness.

No. 108. May 4, 1929; 18h 15m. Clouds: 0. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	19	SSW	5.4
216	312	SE	13.2
414	308	SE	18.7
612	307	SE	16.9
801	310	SE	12.9
990	318	SE	9.3
1,170	324	SE	8.0

Disappearance: Ice crystals in air.

No. 109. May 5, 1929; 17h 45 m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	5	S	2.7
216	352	S	5.4
414	342	SSE	8.6
612	340	SSE	9.8
801	336	SSE	10.4
990	329	SSE	9.2
1,170	326	SE	6.5
1,350	333	SSE	6.6
1,530	331	SSE	7.3
1,710	342	SSE	7.0
1,890	357	S	7.8
2,070	360	S	7.0
2,250	2	S	6.1
2,430	9	S	5.3
2,610	13	SSW	4.7
2,790	26	SSW	4.4
2,970	49	SW	5.0
3,150	65	WSW	5.3
3,330	95	W	6.3
3,510	103	WNW	7.8

Disappearance: Behind thin stratus. Thin stratus cloud formed in northern portion of sky while observation was being taken.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 110. May 6, 1929; 18h 08m. Clouds: 3 Ci (N?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	19	SSW	2.7
216	350	S	5.9
414	323	SE	6.5
612	311	SE	6.7
801	306	SE	6.4
990	297	ESE	5.1
1,170	295	ESE	3.7
1,350	309	SE	4.2
1,530	303	ESE	4.7
1,710	286	ESE	4.3
1,890	279	E	3.6
2,070	278	E	2.8
2,250	277	E	2.3
2,430	268	E	1.7
2,610	263	E	2.1
2,790	266	E	2.9
2,970	249	ENE	2.8
3,150	228	NE	2.7
3,330	219	NE	2.4
3,510	190	N	2.7
3,690	167	NNW	3.4
3,870	172	N	3.4
4,050	180	N	4.4
4,230	189	N	5.7
4,410	185	N	7.2
4,590	181	N	7.4
4,770	186	N	7.9
4,950	187	N	8.4

Disappearance: ? Bright aurora arch in NE.

No. 111. May 7, 1929; 22h 18m. Clouds: 0. Light drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	38	SW	6.7
216	22	SSW	13.2
414	14	SSW	12.2
612	12	SSW	11.3
801	14	SSW	10.8
990	15	SSW	9.2
1,170	15	SSW	8.6
1,350	13	SSW	8.7
1,530	13	SSW	8.3
1,710	14	SSW	8.1
1,890	3	S	6.4
2,070	345	SSE	4.0
2,250	344	SSE	3.0

Disappearance: Snow drifting on lens. Faint aurora glow.

No. 112. May 12, 1929; 15h 19m. Clouds: 2 Ci, 4 St ESE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	354	S	2.7
216	299	ESE	10.9
414	292	ESE	13.7
612	293	ESE	8.6
801	313	SE	5.8
990	326	SE	6.8
1,170	323	SE	7.0

Disappearance: Burst.

No. 113. May 13, 1929; 20h 22m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SSW	1.3
216	331	SSE	5.7
414	320	SE	10.3
612	311	SE	12.3
801	309	SE	10.6
990	319	SE	9.2
1,170	338	SSE	9.0
1,350	341	SSE	10.6
1,530	338	SSE	9.7
1,710	349	S	7.7
1,890	1	S	7.5
2,070	358	S	7.2
2,250	1	S	6.0
2,430	14	SSW	4.7
2,610	17	SSW	4.2
2,790	10	S	5.3
2,970	11	S	5.8
3,150	22	SSW	5.7
3,330	30	SSW	6.7
3,510	40	SW	6.9
3,690	53	SW	6.1
3,870	59	WSW	6.4
4,050	64	WSW	7.3
4,230	66	WSW	7.8
4,410	63	WSW	8.3

Disappearance: ?

No. 114. May 14, 1929; 19h 59m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	30	SSW	3.6
216	4	S	9.9
414	349	S	10.4
612	343	SSE	10.0
801	338	SSE	8.5
990	341	SSE	7.3
1,170	351	S	8.0
1,350	6	S	10.7
1,530	16	SSW	13.1
1,710	21	SSW	13.0
1,890	27	SSW	12.7
2,070	32	SSW	12.8
2,250	29	SSW	14.7
2,430	27	SSW	16.4

Disappearance: Aurora in field. Aurora bright.

No. 115. May 15, 1929; 11h 14m. Clouds: 1 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	303	ESE	0.9
216	2	S	7.7
414	14	SSW	6.8
612	16	SSW	5.9
801	17	SSW	5.2
990	30	SSW	5.7
1,170	35	SW	6.9
1,350	33	SSW	7.2

Disappearance: Behind anemometer post.

No. 116. May 15, 1929; 20h 31 m. Clouds: 1 StCu SW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	1.8
216	11	S	11.8
414	8	S	15.6
612	9	S	16.7
801	359	S	15.1
990	356	S	12.8
1,170	2	S	10.5
1,350	11	S	8.8
1,530	20	SSW	9.4
1,710	31	SSW	9.6
1,890	41	SW	10.4
2,070	41	SW	12.7
2,250	41	SW	13.8
2,430	43	SW	18.7
2,610	47	SW	19.0

Disappearance: Distance.

No. 117. May 16, 1929; 10h 41m. Clouds: 4 StCu

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	53	SW	1.3
216	34	SW	13.9
414	35	SW	17.7
612	31	SSW	16.8
801	31	SSW	16.8
990	34	SW	15.4
1,170	31	SSW	13.4
1,350	32	SSW	13.7
1,530	36	SW	13.7
1,710	42	SW	10.1
1,890	44	SW	8.2
2,070	41	SW	7.7
2,250	42	SW	6.7
2,430	48	SW	6.8
2,610	55	SW	5.9
2,790	60	WSW	4.4

Disappearance: Distance. Cloudiness increased to 7 StCu during observation.

No. 118. May 16, 1929; 20h 29m. Clouds: 3 StCu SW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	260	E	0.9
216	22	SSW	2.2
414	44	SW	6.3
612	43	SW	7.4
801	44	SW	9.2
990	48	SW	11.3
1,170	47	SW	11.7
1,350	44	SW	9.8
1,530	43	SW	6.4
1,710	39	SW	3.3
1,890	38	SW	2.8
2,070	38	SW	3.7
2,250	37	SW	4.6
2,430	37	SW	5.9
2,610	42	SW	7.1
2,790	48	SW	7.5
2,970	45	SW	8.3
3,150	42	SW	7.6
3,330	46	SW	7.0
3,510	49	SW	6.9

No. 118—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,690	56	SW	6.6
3,870	60	WSW	6.8
4,050	52	SW	6.5
4,230	43	SW	8.0
4,410	48	SW	10.7
4,590	53	SW	9.7
4,770	55	SW	9.2

Disappearance: Distance.

No. 119. May 17, 1929; 21h 16m. Clouds: Few AStCu (ESE?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	4.0
216	17	SSW	9.2
414	14	SSW	5.7
612	2	S	3.0
801	346	SSE	2.5
990	316	SE	1.7
1,170	307	SE	2.8
1,350	322	SE	3.6
1,530	332	SSE	3.0
1,710	328	SSE	2.7
1,890	322	SE	3.6
2,070	314	SE	4.5
2,250	302	ESE	4.8
2,430	296	ESE	5.5
2,610	292	ESE	5.5
2,790	291	ESE	5.2
2,970	299	ESE	5.8
3,150	303	ESE	6.2
3,330	301	ESE	6.4
3,510	304	SE	7.3
3,690	312	SE	7.2
3,870	324	SE	6.4
4,050	343	SSE	8.1
4,230	351	S	10.8
4,410	354	S	11.7

Disappearance: Frost on lens.

No. 120. May 18, 1929; 10h 12m. Clouds: Few StCu (S?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm		Calm
216	119	WNW	5.2
414	124	NW	7.8
612	124	NW	4.7
801	104	WNW	2.6
990	80	W	2.5
1,170	68	WSW	2.8
1,350	70	WSW	3.8
1,530	53	SW	4.3
1,710	27	SSW	4.2
1,890	6	S	5.3
2,070	0	S	6.5
2,250	2	S	6.8
2,430	353	S	6.8
2,610	348	SSE	6.6
2,790	349	S	6.3
2,970	346	SSE	6.7
3,150	340	SSE	7.3
3,330	336	SSE	8.0
3,510	338	SSE	7.9
3,690	338	SSE	8.3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 120—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,870	336	SSE	9.8
4,050	338	SSE	11.1
4,230	343	SSE	12.2
4,410	342	SSE	11.7
4,590	345	SSE	12.1
4,770	351	S	12.8

Disappearance: ?

No. 121. May 20, 1929; 14h 12m. Clouds: 2 St SE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	2.7
216	337	SSE	4.2
414	320	SE	5.7
612	323	SE	7.6
801	324	SE	8.1
990	314	SE	7.4
1,170	284	ESE	6.3
1,350	245	ENE	6.2
1,530	236	NE	6.0
1,710	273	E	5.4
1,890	307	SE	8.0
2,070	309	SE	9.4
2,250	310	SE	9.2
2,430	308	SE	10.1
2,610	308	SE	9.9
2,790	309	SE	10.0
2,970	308	SE	9.4
3,150	309	SE	8.6
3,330	309	SE	8.2
3,510	298	ESE	8.1
3,690	292	ESE	7.7
3,870	286	ESE	7.9
4,050	283	ESE	8.4
4,230	283	ESE	7.8

Disappearance: Distance. 22° lunar halo and upper tangent arc.

No. 122. May 21, 1929; 10h 04m. Clouds: 9 St NNW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	1.8
216	160	NNW	9.3
414	157	NNW	13.5
459	153	NNW	15.2

Disappearance: Entered St, 459 m.

No. 123. May 22, 1929; 22h 05 m. Clouds: 9 St WNW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	259	E	3.6
216	114	WNW	3.9
414	109	WNW	7.4
612	117	WNW	7.5
801	143	NW	7.1
990	160	NNW	8.5
1,170	157	NNW	9.5
1,350	147	NNW	9.7
1,530	141	NW	10.2

Disappearance: Cut off by St. Balloon entered thin St. clouds at 747 m.

No. 124. May 24, 1929; 10h 05m. Clouds: 7CiSt, 3 St E

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	54	SW	2.2
216	293	ESE	10.9
414	278	E	18.6
612	280	E	12.1
801	278	E	10.3
990	281	E	9.1
1,170	282	ESE	7.5
1,350	279	E	6.8
1,530	275	E	7.9
1,710	276	E	9.5
1,890	277	E	9.6
2,070	271	E	9.3
2,250	269	E	9.5

Disappearance: Cut off by St.

No. 125. May 27, 1929; 9h 20m. Clouds: Few Ci, Few StCu NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	240	ENE	0.9
216	146	NW	2.6
414	134	NW	4.3
612	134	NW	5.4
801	134	NW	6.2
990	134	NW	6.5
1,170	130	NW	6.2
1,350	120	WNW	4.2
1,530	114	WNW	2.8
1,710	122	WNW	2.1
1,890	158	NNW	2.0
2,070	155	NNW	3.2
2,250	135	NW	3.1
2,430	86	W	2.0
2,610	53	SW	2.7
2,790	72	WSW	3.5
2,970	75	WSW	3.9
3,150	59	WSW	4.2
3,330	51	SW	5.0
3,510	43	SW	5.1
3,690	32	SSW	5.2
3,870	23	SSW	6.1
4,050	16	SSW	7.5
4,230	3	S	8.9
4,410	351	S	9.6
4,590	340	SSE	9.8
4,770	331	SSE	10.2
4,950	325	SE	10.3

Disappearance: Rapid movement. Brilliant moonlight.

No. 126. May 30, 1929; 10h 32m. Clouds: 1 ASt, 2 St W

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	64	WSW	0.9
216	93	W	7.5
414	100	W	13.5
612	101	W	15.3
801	97	W	15.0
990	96	W	15.3
1,170	95	W	21.0
1,350	95	W	26.5

Disappearance: Steam from ventilating pipe. Aurora visible. Stratus very thin.

No. 127. June 3, 1929; 10h 08m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	232	NE	4.7
414	224	NE	3.6
612	208	NNE	1.4
801	270	E	2.6
990	311	SE	2.5
1,170	339	SSE	2.1
1,350	296	ESE	1.6
1,530	336	SSE	3.6
1,710	346	SSE	3.3

Disappearance: Accident.

No. 128. June 3, 1929; 19h 39m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	256	ENE	0.9
216	168	NNW	2.0
414	169	N	4.4
612	176	N	4.6
801	178	N	3.9
990	176	N	3.7
1,170	171	N	3.7
1,350	174	N	3.7
1,530	184	N	4.5
1,710	190	N	5.0
1,890	201	NNE	4.6
2,070	221	NE	5.1
2,250	230	NE	6.0
2,430	236	NE	6.5
2,610	239	ENE	6.9
2,790	244	ENE	7.0
2,970	254	ENE	7.5
3,150	263	E	8.3
3,330	261	E	9.3
3,510	258	ENE	9.2
3,690	261	E	8.9
3,870	254	ENE	9.4
4,050	257	ENE	9.7
4,230	261	E	9.9
4,410	256	ENE	9.7

Disappearance: Frosting of lens. Bright aurora curtain.

No. 129. June 4, 1929; 10h 19m. Clouds: 2 StCu NNE. Lt. drift, increasing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	226	NE	8.1
216	212	NNE	14.5
414	206	NNE	16.5
612	203	NNE	14.7
801	201	NNE	13.5
990	201	NNE	14.4

Disappearance: Drift.

No. 130. June 5, 1929; 10h 07m. Clouds: Few St W

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	78	WSW	8.2
414	85	W	10.6
612	95	W	11.3
801	100	W	1.91

No. 130—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	102	WNW	11.3
1,170	121	WNW	9.3
1,350	139	NW	8.6

Disappearance: Local smoke.

No. 131. June 5, 1929; 17h 54m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	4.0
216	349	S	5.6
414	359	S	6.0
612	354	S	3.9
801	316	SE	1.8
990	250	ENE	2.5
1,170	245	ENE	2.8
1,350	256	ENE	4.5
1,530	243	ENE	7.2
1,710	229	NE	7.7
1,890	221	NE	8.3
2,070	208	NNE	8.8
2,250	197	NNE	10.4
2,430	201	NNE	12.7
2,610	201	NNE	14.0
2,790	198	NNE	14.2
2,970	199	NNE	15.1
3,150	204	NNE	16.4
3,330	205	NNE	16.8
3,510	203	NNE	17.5
3,690	201	NNE	18.7
3,870	200	NNE	19.8

Disappearance: Distance.

No. 132. June 6, 1929; 11h 05m. Clouds: 2 CiSt, 2 StCu SE, 5 St SE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	319	SE	8.9
216	315	SE	19.0
414	327	SSE	15.5
612	340	SSE	10.4
801	348	SSE	10.8
990	342	SSE	13.5
1,170	340	SSE	16.5
1,350	337	SSE	18.5
1,530	332	SSE	19.0
1,710	325	SE	14.7
1,890	316	SE	10.8
2,070	315	SE	10.6

Disappearance: Cut off by St. No drift. Pronounced water sky in NW–NE.

No. 133. June 6, 1929; 21h 55m. Clouds: 3 StCu SSE, 3 St SSE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	359	S	8.1
216	349	S	2.2
414	309	SE	0.7
612	299	ESE	1.8
801	316	SE	4.2
990	340	SSE	5.8
1,170	336	SSE	4.8
1,350	315	SE	4.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 133—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 530	319	SE	5. 6
1, 710	334	SSE	7. 8
1, 890	340	SSE	8. 7
2, 070	339	SSE	9. 0

Disappearance: Behind St. Barometer unsteady. Heavy cloud bank in N and NE. Lt. drift. Aurora visible.

No. 134. June 7, 1929; 10h 20m. Clouds: 5 Ci, 4 ASt SE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	2. 7
216	320	SE	2. 9
414	253	ENE	3. 8
612	238	ENE	5. 8
801	236	NE	7. 5
990	227	NE	5. 3
1, 170	216	NE	3. 5
1, 350	213	NNE	4. 5
1, 530	206	NNE	5. 2
1, 710	197	NNE	4. 5
1, 890	177	N	3. 3
2, 070	161	NNW	2. 5
2, 250	154	NNW	1. 7
2, 430	212	NNE	1. 3
2, 610	296	ESE	3. 4
2, 790	299	ESE	7. 8
2, 970	298	ESE	8. 4
3, 150	311	SE	7. 4
3, 330	301	ESE	7. 0
3, 510	294	ESE	6. 6
3, 690	295	ESE	6. 4
3, 870	306	SE	5. 7
4, 050	313	SE	5. 7
4, 230	315	SE	6. 5
4, 410	318	SE	7. 4
4, 590	320	SE	8. 1

Disappearance: Behind ASt.

No. 135. June 8, 1929; 9h 50m. Clouds: Few Ci, Few StCu N

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	250	ENE	4. 0
216	253	ENE	8. 7
414	234	NE	7. 4
612	207	NNE	6. 8
801	213	NNE	7. 2
990	217	NE	7. 6
1, 170	212	NNE	7. 3
1, 350	202	NNE	6. 5
1, 530	187	N	5. 8
1, 710	182	N	6. 9
1, 890	189	N	8. 4
2, 070	184	N	9. 4
2, 250	175	N	11. 5
2, 430	172	N	14. 7
2, 610	171	N	17. 9
2, 790	172	N	18. 5
2, 970	172	N	17. 6

Disappearance: Behind pipe.

No. 136. June 8, 1929; 19h 49m. Clouds: 2 CiSt, 2 St ESE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	29	SSW	3. 1
216	307	SE	8. 5
414	287	ESE	14. 4
612	278	E	14. 4
801	272	E	11. 4
990	269	E	8. 0
1, 170	272	E	5. 2
1, 350	278	E	4. 1
1, 530	273	E	4. 9
1, 710	267	E	6. 7
1, 890	260	E	8. 5
2, 070	259	E	10. 1
2, 250	249	ENE	8. 8
2, 430	228	NE	7. 0
2, 610	220	NE	6. 9
2, 790	231	NE	6. 5
2, 970	245	ENE	6. 0
3, 150	242	ENE	6. 4
3, 330	238	ENE	6. 8
3, 510	238	ENE	7. 6

Disappearance: Behind St. Aurora.

No. 137. June 9, 1929; 10h 44m. Clouds: 5 CiSt, 2 StCu ENE, 2 St E. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	8. 5
216	278	E	13. 2
414	272	E	8. 5
612	275	E	4. 6
801	269	E	3. 5
990	259	E	4. 7
1, 170	271	E	7. 2
1, 350	280	E	9. 1
1, 530	276	E	10. 5
1, 710	276	E	11. 0
1, 890	263	E	10. 1
2, 070	247	ENE	10. 1

Disappearance: Behind St.

No. 138. June 10, 1929; 10h 03m. Clouds: 3 CiSt, 7 St NE. Lt. snow during observation. Aurora visible

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	7. 1
216	238	ENE	7. 8
414	223	NE	8. 7
612	228	NE	8. 4
801	225	NE	7. 6
990	213	NNE	8. 3
1, 170	209	NNE	9. 2

Disappearance: Behind St.

No. 139. June 10, 1929; 20h 32m. Clouds: 2 StCu (ENE?), 2 St NNE. Lt. snow. Faint aurora

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	244	ENE	4. 5
216	221	NE	4. 4
414	201	NNE	4. 6
612	205	NNE	5. 3
801	201	NNE	6. 2
990	193	NNE	7. 0
1, 170	195	NNE	6. 4
1, 350	200	NNE	5. 0
1, 530	202	NNE	4. 2
1, 710	213	NNE	2. 8
1, 890	227	NE	1. 7
2, 070	217	NE	2. 0
2, 250	214	NE	2. 7
2, 430	226	NE	2. 7
2, 610	243	ENE	2. 4
2, 790	248	ENE	2. 6
2, 970	241	ENE	3. 0
3, 150	246	ENE	3. 0
3, 330	254	ENE	3. 2
3, 510	257	ENE	3. 2
3, 690	257	ENE	3. 8
3, 870	246	ENE	5. 0
4, 050	240	ENE	6. 1
4, 230	239	ENE	6. 4

Disappearance: Behind thin St.

No. 140. June 11, 1929; 9h 46m. Clouds: 9 St ENE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	272	E	2. 7
216	248	ENE	1. 9
414	202	NNE	2. 1
612	210	NNE	3. 3
801	201	NNE	5. 3
990	195	NNE	6. 8

Disappearance: Behind St. Balloon entered St. Clouds first minute. Only 3 or 4 tenths of clouds when observation was started.

No. 141. June 11, 1929; 21h 32m. Clouds: 7 St NNW. Misting; lt. fog. Heavy deposit of rime on windward side of all objects, as much as 3 inches

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	319	SE	1. 3
216	262	E	2. 1
414	181	N	2. 0
612	164	NNW	3. 5
801	161	NNW	5. 3
990	167	NNW	4. 9
1, 170	160	NNW	3. 2
1, 350	145	NW	2. 7

Disappearance: Behind St.

No. 142. June 12, 1929; 10h 39m. Clouds: 2 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	7	S	2. 3
414	62	WSW	1. 2
612	91	W	1. 9
801	113	WNW	2. 0
990	140	NW	2. 7
1, 170	153	NNW	3. 5
1, 350	162	NNW	3. 1
1, 530	157	NNW	3. 8
1, 710	162	NNW	5. 0
1, 890	173	N	4. 7
2, 070	167	NNW	2. 5
2, 250	103	WNW	1. 5
2, 430	84	W	2. 5
2, 610	89	W	2. 7
2, 790	99	W	2. 8
2, 970	95	W	3. 2
3, 150	96	W	3. 4
3, 330	94	W	3. 4
3, 510	87	W	3. 9
3, 690	85	W	4. 4
3, 870	88	W	4. 5

Disappearance: Behind antenna wire.

No. 143. June 12, 1929; 19h 53m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	19	SSW	1. 3
414	52	SW	1. 9
612	47	SW	2. 5
801	34	SW	3. 1
990	46	SW	2. 9
1, 170	75	WSW	2. 8
1, 350	89	W	3. 2
1, 530	94	W	3. 5
1, 710	106	WNW	4. 1
1, 890	112	WNW	4. 2
2, 070	99	W	3. 9
2, 250	87	W	4. 1

Disappearance: Obstruction.

No. 144. June 13, 1929; 10h 21m. Clouds: 3 St ENE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	355	S	1. 3
216	274	E	7. 7
414	258	ENE	7. 0
612	249	ENE	4. 4
801	247	ENE	2. 9
990	248	ENE	2. 2
1, 170	248	ENE	1. 8
1, 350	209	NNE	1. 5
1, 530	163	NNW	2. 5
1, 710	175	N	3. 1
1, 890	188	N	2. 8
2, 070	188	N	2. 4

Disappearance: Behind St.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 145. June 15, 1929; 19h 40m. Clouds: 3 Ci (SE?), 1 St SSE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	270	E	1.8
216	295	ESE	1.5
414	338	SSE	5.3
612	343	SSE	10.8
801	346	SSE	11.3
990	351	S	8.4
1,170	359	S	8.8
1,350	342	SSE	8.4
1,530	324	SE	6.8
1,710	328	SSE	6.0
1,890	325	SE	5.8
2,070	326	SE	5.9
2,250	327	SSE	5.8
2,430	327	SSE	5.8
2,610	323	SE	5.9
2,790	320	SE	5.4
2,970	325	SE	5.2
3,150	330	SSE	6.2
3,330	330	SSE	6.4
3,510	331	SSE	6.0
3,690	328	SSE	5.8
3,870	326	SE	5.8
4,050	325	SE	5.0
4,230	324	SE	5.4
4,410	325	SE	6.5
4,590	329	SSE	6.6
4,770	328	SSE	6.9
4,950	325	SE	6.9

Disappearance: Distance. Faint 22° lunar halo.

No. 146. June 16, 1929; 10h 27m. Clouds: Few Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	Calm	--------	Calm
216	328	SSE	7.4
414	321	SE	15.6
612	326	SE	19.5
801	337	SSE	18.5
990	344	SSE	18.2
1,170	341	SSE	22.1
1,350	338	SSE	23.2
1,530	337	SSE	17.9
1,710	337	SSE	12.5
1,890	339	SSE	9.7
2,070	341	SSE	7.8

Disappearance: Distance.

No. 147. June 16, 1929; 21h. Clouds: 8 CiSt

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	333	SSE	1.8
216	296	ESE	12.9
414	278	E	15.5
612	268	E	10.0
801	270	E	7.7
990	276	E	7.4
1,170	280	E	7.7
1,350	278	E	9.2
1,530	274	E	10.9

No. 147—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
1,710	274	E	10.4
1,890	278	E	10.1
2,070	278	E	11.6
2,250	269	E	9.2
2,430	264	E	8.5

Disappearance: Frosting of lens. Faint 22° halo.

No. 148. June 17, 1929; 22h 01m. Clouds: 8 CiSt, 2 ASt. Lt. drift, increasing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	289	ESE	10.3
216	289	ESE	18.0
414	288	ESE	17.2
612	290	ESE	12.1
801	297	ESE	8.2
990	304	SE	7.7
1,170	307	SE	7.5
1,350	298	ESE	8.3
1,530	286	ESE	10.7
1,710	282	ESE	13.5
1,890	282	ESE	15.2

Disappearance: Drifting snow. Moon faint, very faint 22° halo.

No. 149. June 19, 1929; 14h 37m. Clouds 10 St N. Moderately heavy snow falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	176	N	6.7
216	181	N	12.3
414	186	N	13.6
612	188	N	12.6
747	188	N	12.8

Disappearance: Entered St, 747 m.

No. 150. June 20, 1929; 17h 23m. Clouds: 5 ASt (NE?), 5 St NE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	288	ESE	2.2
216	256	ENE	5.5
414	224	NE	6.6
612	217	NE	8.2
801	228	NE	6.6
990	268	E	4.4
1,170	268	E	6.5
1,350	248	ENE	9.3
1,530	240	ENE	10.6
1,710	241	ENE	11.3

Disappearance: Behind St. Strong water sky in N. Moon faint.

No. 151. June 21, 1929; 9h 57m. Clouds: 10 ASt E. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	280	E	2.2
216	23	SSW	2.9
414	24	SSW	3.9
612	353	S	3.8
801	321	SE	4.0
990	310	SE	3.8
1,170	310	SE	4.1
1,350	290	ESE	4.1
1,530	262	E	3.8
1,710	249	ENE	3.2
1,890	251	ENE	2.8
2,070	260	E	3.0
2,250	265	E	4.0
2,430	270	E	5.6
2,475	274	E	6.0

Disappearance: Entered ASt, 2,475 m.

No. 152. June 21, 1929; 20h 57m. Clouds: 3 Ci, 1 St ESE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	268	E	5.4
216	291	ESE	11.1
414	294	ESE	9.0
612	271	E	5.6
801	257	ENE	5.4
990	257	ENE	5.8
1,170	260	E	4.9
1,350	262	E	4.2
1,530	255	ENE	3.1
1,710	248	ENE	2.9
1,890	255	ENE	3.0
2,070	257	ENE	3.4
2,250	254	ENE	2.7
2,430	254	ENE	2.1
2,610	254	ENE	2.1

Disappearance: Lantern out. Bright moonlight. Bright corona, 4 concentric rings. Very thin film of St passing over moon.

No. 153. June 22, 1929; 10h 50m. Clouds: 3 CiSt, 6 ACu N

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	24	SSW	2.2
216	296	ESE	10.8
414	286	ESE	13.7
612	278	E	10.2
801	282	ESE	4.8
990	311	SE	3.4
1,170	311	SE	4.0
1,350	295	ESE	4.5
1,530	270	E	5.2
1,710	253	ENE	6.2
1,890	228	NE	5.5
2,070	193	NNE	5.1
2,250	192	NNE	5.3
2,430	190	N	5.5
2,610	180	N	6.1

No. 153—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2,790	172	N	6.8
2,970	165	NNW	7.0
3,150	163	NNW	7.5
3,330	166	NNW	8.4
3,510	163	NNW	9.7
3,690	158	NNW	10.3
3,870	157	NNW	10.3
4,050	158	NNW	10.4
4,230	157	NNW	10.8
4,410	158	NNW	11.3

Disappearance: Behind ACu. 22° lunar halo.

No. 154. June 23, 1929; 14h 32m. Clouds: 6 CiSt NNW, 4 ASt NNE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	241	ENE	2.2
216	197	NNE	1.5
414	259	E	2.7
612	238	ENE	5.3
801	224	NE	6.1
990	213	NNE	6.2
1,170	217	NE	4.3
1,350	223	NE	3.5
1,530	202	NNE	4.5
1,710	196	NNE	6.0
1,890	204	NNE	6.7
2,079	211	NNE	7.5
2,250	214	NE	8.1
2,430	214	NE	10.0
2,610	211	NNE	12.0
2,790	203	NNE	11.8
2,970	201	NNE	12.4
3,150	204	NNE	13.2

Disapppearance: Entered ASt, 3,150 m.

No. 155. June 26, 1929; 21h 51m. Clouds: 5 St NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	145	NW	1.3
216	141	NW	2.9
414	80	W	4.0
612	51	SW	5.2
801	38	SW	3.7
990	21	SSW	2.6
1,170	35	SW	2.2
1,350	61	WSW	2.8
1,530	45	SW	4.5
1,710	33	SSW	6.5

Disappearance: Behind St. Stratus clouds increased during observation.

No. 156. June 27, 1929; 10h 28m. Clouds: 3 St NE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	226	NE	3.6
216	221	NE	6.6
414	197	NNE	6.4
612	197	NNE	6.4

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 156—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	214	NE	5.7
990	222	NE	6.2
1,170	218	NE	6.4
1,350	210	NNE	5.3
1,530	200	NNE	3.9
1,710	187	N	3.6
1,890	190	N	3.8
2,070	191	N	3.7
2,250	161	NNW	3.3
2,430	125	NW	3.4
2,610	103	WNW	3.3
2,790	108	WNW	3.7
2,970	110	WNW	4.5
3,150	107	WNW	5.9
3,330	99	W	7.6
3,510	93	W	8.7
3,690	93	W	9.4
3,870	94	W	11.1
4,050	93	W	11.4
4,230	91	W	10.8
4,410	91	W	10.8

Disappearance: Behind St. Faint aurora.

No. 157. June 28, 1929; 14h 23m. Clouds: 10 St NNE

Surface	261	E	5.4
216	224	NE	4.5
414	195	NNE	5.4
612	196	NNE	5.3

Disappearance: Entered St, 574 m.

No. 158. June 29, 1929; 12h 59m. Clouds: 1 ASt WNW

Surface	50	SW	1.8
216	66	WSW	3.2
414	90	W	3.5
612	89	W	4.4
801	79	W	5.7
990	78	WSW	6.4
1,170	82	W	6.8
1,350	84	W	6.9
1,530	92	W	7.7
1,710	98	W	8.1
1,890	102	WNW	7.7
2,070	103	WNW	10.3
2,250	108	WNW	11.9
2,430	109	WNW	12.2
2,610	109	WNW	13.5
2,790	108	WNW	12.7
2,970	104	WNW	12.8
3,150	103	WNW	14.0
3,330	101	W	15.9
3,510	100	W	17.3
3,690	104	WNW	15.6
3,870	107	WNW	14.0

Disappearance: Distance. Twilight in NW.

No. 159. June 30, 1929; 9h 55m. Clouds: 2 ASt, 2 ACu, 1 St Sw

Surface	63	WSW	2.7
216	40	SW	6.4
414	55	SW	6.2
612	80	W	6.2
801	93	W	7.3
990	108	WNW	8.8
1,170	122	WNW	9.5
1,350	123	WNW	9.9
1,530	118	WNW	10.5
1,710	117	WNW	10.6
1,890	120	WNW	11.2
2,070	122	WNW	11.2
2,250	116	WNW	11.2
2,430	120	WNW	12.0
2,610	124	NW	13.8
2,790	121	WNW	15.4

Disappearance: Behind St.

No. 160. July 1, 1929; 15h 12m. Clouds: 0

Surface	31	SSW	4.0
216	29	SSW	13.0
414	32	SSW	17.5
612	32	SSW	19.8
801	32	SSW	17.3
990	34	SW	13.1
1,170	37	SW	10.3
1,350	48	SW	8.2
1,530	55	SW	6.4
1,710	51	SW	5.0
1,890	52	SW	5.3
2,070	47	SW	6.2
2,250	52	SW	6.0
2,430	64	WSW	6.9
2,610	68	WSW	9.2
2,790	75	WSW	9.8
2,970	78	WSW	9.4

Disappearance: Frosting of lens.

No. 161. July 2, 1929; 11h 08m. Clouds: 0

Surface	288	ESE	2.2
216	345	SSE	4.3
414	14	SSW	4.2
612	19	SSW	5.2
801	17	SSW	7.5
990	22	SSW	8.0
1,170	22	SSW	7.5
1,350	20	SSW	7.0
1,530	13	SSW	6.0
1,710	6	S	5.7
1,890	11	S	5.4
2,070	20	SSW	4.4
2,250	34	SW	4.0
2,430	46	SW	4.3
2,610	59	WSW	5.2
2,790	65	WSW	6.0
2,970	56	SW	6.1
3,150	54	SW	6.3
3,330	61	WSW	6.2

Disappearance: Frost on lens.

No. 162. July 2, 1929; 21h 35m. Clouds: 0

Surface	37	SW	1.3
216	337	SSE	4.6
414	338	SSE	4.4
612	345	SSE	4.5
801	351	S	4.8
990	350	S	4.2
1,170	339	SSE	3.0
1,350	334	SSE	3.1
1,530	342	SSE	4.6
1,710	347	SSE	5.1
1,890	351	S	5.0
2,070	356	S	4.7
2,250	13	SSW	3.8
2,430	30	SSW	3.5
2,610	40	SW	2.9
2,790	75	WSW	3.2
2,970	100	W	5.5
3,150	107	WNW	8.0
3,330	106	WNW	10.2
3,510	116	WNW	10.4
3,690	129	NW	10.2

Disappearance: Lost from field.

No. 163. July 3, 1929; 21h 05m. Clouds: 0

Surface	34	SW	6.7
216	14	SSW	17.7
414	10	S	20.9
612	10	S	19.7
801	7	S	16.3
990	3	S	14.9

Disappearance: Poor lantern. Aurora visible. Supply of lanterns exhausted.

No. 164. July 4, 1929; 12h 50m. Clouds: 1 Ci

Surface	262	E	3.6
216	307	SE	6.2
414	354	S	6.4
612	23	SSW	6.7
801	47	SW	4.2
990	82	W	1.0
1,170	147	NNW	1.8
1,350	146	NW	4.4
1,530	142	NW	5.9
1,710	142	NW	6.2
1,890	143	NW	7.3
2,070	144	NW	8.5
2,250	145	NW	9.6
2,430	145	NW	10.0
2,610	147	NNW	9.8
2,790	151	NNW	9.0
2,970	153	NNW	8.8

Disappearance: Poor lantern.

No. 165. July 5, 1929; 14h 47m. Clouds: 10 St ESE

Surface	40	SW	4.0
216	307	SE	9.1
315	302	ESE	11.0

Disappearance: Entered St, 315 m.

No. 166. July 6, 1929; 20h 55m. Clouds: 2 CiSt

Surface	64	WSW	2.7
216	99	W	8.3
414	100	W	12.6
612	85	W	10.5
801	54	SW	7.8
990	35	SW	7.5
1,170	30	SSW	5.1
1,350	42	SW	2.6
1,530	62	WSW	3.8
1,710	74	WSW	6.4
1,890	84	W	7.6
2,070	94	W	8.6
2,250	98	W	9.6
2,430	99	W	9.1
2,610	97	W	8.5
2,790	93	W	8.2
2,970	90	W	7.9
3,150	82	W	7.2
3,330	72	WSW	5.6
3,510	68	WSW	4.8

Disappearance: Poor lantern. Faint aurora.

No. 167. July 7, 1929; 12h 35m. Clouds: 1 Ci (NW?)

Surface	Calm	--------	Calm
216	72	WSW	4.1
414	65	WSW	2.2
612	28	SSW	1.1
801	81	W	2.4
990	95	W	4.5
1,170	75	WSW	5.0
1,350	45	SW	3.1
1,530	93	W	.7
1,710	103	WNW	2.1
1,890	73	WSW	2.9
2,070	51	SW	2.4
2,250	13	SSW	1.9
2,430	353	S	1.9
2,610	318	SE	1.9
2,790	277	E	1.5
2,970	279	E	.7
3,150	341	SSE	1.1
3,330	327	SSE	1.3
3,510	328	SSE	.8
3,690	15	SSW	.5
3,870	154	NNW	1.4
4,050	151	NNW	4.0
4,230	143	NW	4.6
4,410	146	NW	3.6
4,590	153	NNW	4.3
4,770	148	NNW	5.7
4,950	144	NW	5.9
5,130	142	NW	5.8

Disappearance: Candle out (?)

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 168. July 8, 1929; 14h 23m. Clouds: Few ASt (WNW?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	24	SSW	1.8
216	27	SSW	2.8
414	31	SSW	2.6
612	9	S	2.7
801	339	SSE	3.8
990	342	SSE	5.6
1,170	351	S	4.8
1,350	61	WSW	2.4
1,530	96	W	5.2
1,710	93	W	5.8
1,890	102	WNW	5.5
2,070	112	WNW	5.2
2,250	120	WNW	5.5
2,430	124	NW	5.9
2,610	118	WNW	6.4
2,790	117	WNW	8.1
2,970	119	WNW	9.8
3,150	115	WNW	10.9
3,330	111	WNW	11.7

Disappearance: Poor lantern.

No. 169. July 9, 1929; 12h 54m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	49	SW	3.1
216	359	S	9.0
414	1	S	15.5
612	8	S	16.4
801	10	S	14.5
990	16	SSW	12.4
1,170	23	SSW	9.9
1,350	26	SSW	8.9
1,530	37	SW	8.8
1,710	46	SW	8.2

Disappearance: Poor lantern.

No. 170. July 9, 1929; 21h 14m. Clouds: Few Ci (NW?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	3.1
216	26	SSW	4.5
414	359	S	6.4
612	9	S	7.4
801	18	SSW	8.5
990	32	SSW	8.6
1,170	39	SW	8.9
1,350	45	SW	9.8
1,530	52	SW	9.3
1,710	61	WSW	8.6
1,890	69	WSW	8.6
2,070	77	WSW	8.7
2,250	86	W	8.5
2,430	97	W	8.2
2,610	107	WNW	7.6
2,790	122	WNW	7.3
2,970	127	NW	6.0
3,150	127	NW	5.6
3,330	126	NW	8.3
3,510	127	NW	10.7
3,690	127	NW	12.1
3,870	127	NW	13.6

No. 170—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,050	130	NW	14.3
4,230	132	NW	15.0
4,410	130	NW	15.8
4,590	130	NW	17.0
4,770	130	NW	17.8

Disappearance: Distance. Aurora brilliant.

No. 171. July 10, 1929; 15h 42m. Clouds: Few Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	354	S	5.3
414	328	SSE	7.3
612	337	SSE	8.8
801	349	S	10.1
990	354	S	10.2
1,170	5	S	9.4
1,350	7	S	9.1
1,530	7	S	7.6
1,710	9	S	3.3
1,890	50	SW	1.4
2,070	118	WNW	1.1
2,250	127	NW	.9
2,430	133	NW	2.5
2,610	128	NW	5.5
2,790	137	NW	8.3
2,970	157	NNW	10.8
3,150	166	NNW	11.6
3,330	170	N	11.2

Disappearance: Frost on lens.

No. 172. July 11, 1929; 22h 40m. Clouds: 0. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	44	SW	6.3
216	34	SW	23.7
414	33	SSW	33.8
612	35	SW	39.2

Disappearance: Obstruction.

No. 173. July 12, 1929; 21h 35m. Clouds: 4 Ci. Haze due to falling of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	354	S	1.9
414	67	WSW	5.7
612	70	WSW	8.5
801	74	WSW	9.5
990	71	WSW	11.5
1,170	68	WSW	13.6
1,350	57	WSW	13.8
1,530	60	WSW	15.0
1,710	62	WSW	16.6

Disappearance: Ice crystals in air.

No. 174. July 13, 1929; 14h 25m. Clouds: 2 Ci, 2 ASt

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	274	E	5.0
414	258	ENE	5.9
612	241	ENE	6.8
801	241	ENE	6.8

Disappearance: Lost from field.

No. 175. July 13, 1929; 22h. Clouds: 5 Ci, 3 St ENE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	8	S	2.2
216	257	ENE	9.6
414	238	ENE	12.5
612	231	NE	13.1

Disappearance: Behind thin stratus. 22° lunar halo.

No. 176. July 4, 1929; 20h 12m. Clouds: 9 CiSt, Few St SSE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	356	S	1.3
216	344	SSE	5.1
414	314	SE	8.2
612	304	SE	9.8
801	299	ESE	9.5
990	294	ESE	9.7
1,170	286	ESE	7.8
1,350	294	ESE	6.8
1,530	302	ESE	8.1
1,710	303	ESE	9.3
1,890	297	ESE	10.1
2,070	293	ESE	10.5
2,250	287	ESE	10.5
2,430	280	E	10.5
2,610	282	ESE	10.3
2,790	285	ESE	10.0
2,970	284	ESE	10.1
3,150	281	E	10.5
3,330	275	E	9.7
3,510	274	E	8.5

Disappearance: Distance.

No. 177. July 15, 1929; 18h 04m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	353	S	0.9
216	353	S	3.7
414	52	SW	3.1
612	51	SW	3.0
801	5	S	1.7
990	296	ESE	1.1
1,170	267	E	1.7
1,350	282	ESE	2.1

Disappearance: Frost on lens.

No. 178. July 16, 1929; 17h 54m. Clouds: 4 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	2.2
216	2	S	2.1
414	343	SSE	5.2
612	345	SSE	8.0
801	356	S	9.4
990	355	S	10.7
1,170	351	S	11.2
1,350	350	S	12.1
1,530	348	SSE	13.2
1,710	355	S	14.2
1,890	358	S	15.7
2,070	356	S	16.2
2,250	358	S	15.8

Disappearance: ? Bright 22° halo and upper tangent arc.

No. 179. July 17, 1929; 14h 37m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	75	WSW	1.3
216	62	WSW	5.9
414	61	WSW	5.0
612	56	SW	4.8
801	65	WSW	5.3
990	68	WSW	4.6
1,170	77	WSW	3.0
1,350	87	W	2.8

Disappearance: Lost behind anemometer.

No. 180. July 17, 1929; 21h 11m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	317	SE	1.3
216	74	WSW	2.3
414	91	W	3.8
612	98	W	4.3
801	98	W	4.5
990	93	W	4.1
1,170	83	W	3.8
1,350	92	W	3.5
1,530	113	WNW	3.4
1,710	114	WNW	3.9
1,890	112	WNW	4.7
2,070	105	WNW	4.7
2,250	95	W	4.6
2,430	89	W	5.6
2,610	87	W	6.3
2,790	88	W	5.8
2,970	96	W	4.7
3,150	106	WNW	4.0

Disappearance: Focus mechanism frozen.

No. 181. July 18, 1929; 21h 01m. Clouds: 2 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	54	SW	4.0
216	24	SSW	5.5
414	31	SSW	3.7
612	17	SSW	5.3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 181—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	7	S	8. 3
990	356	S	9. 3
1, 170	345	SSE	10. 1
1, 350	344	SSE	10. 4
1, 530	345	SSE	10. 7
1, 710	341	SSE	11. 2
1, 890	341	SSE	11. 2
2, 070	348	SSE	9. 5
2, 250	349	S	7. 5
2, 430	358	S	6. 8
2, 610	0	S	6. 0
2, 790	4	S	6. 0
2, 970	0	S	6. 5
3, 150	357	S	7. 1
3, 330	354	S	7. 8
3, 510	348	SSE	8. 2
3, 690	343	SSE	8. 3
3, 870	338	SSE	8. 5
4, 050	338	SSE	7. 0

Disappearance: Distance. Bright 22° halo and upper tangent arc.

No. 182. July 19, 1929; 21h 44m. Clouds: Few St W

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	133	NW	6. 3
216	92	W	8. 5
414	85	W	15. 2
612	91	W	19. 3
801	95	W	19. 3
990	92	W	16. 8
1, 170	87	W	15. 0
1, 350	83	W	15. 8

Disappearance: Behind pipe.

No. 183. July 21, 1929; 10h 19m. Clouds: 7 CiSt

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	41	SW	1. 3
216	270	E	4. 1
414	282	ESE	4. 7
612	336	SSE	4. 5
801	18	SSW	7. 0
990	30	SSW	9. 2
1, 170	34	SW	10. 1
1, 350	43	SW	9. 6
1, 530	48	SW	9. 4
1, 710	49	SW	8. 5
1, 890	53	SW	7. 0
2, 070	53	SW	7. 5
2, 250	50	SW	9. 8
2, 430	47	SW	10. 4
2, 610	46	SW	10. 5
2, 790	47	SW	10. 8
2, 970	50	SW	9. 7
3, 150	52	SW	9. 4
3, 330	52	SW	10. 0
3, 510	52	SW	10. 3
3, 690	51	SW	11. 7
3, 870	50	SW	12. 3
4, 050	50	SW	11. 2

Disappearance: Distance.

No. 184. July 23, 1929; 20h 02m. Clouds: 1 St. SW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	1. 3
216	36	SW	4. 4
414	62	WSW	7. 5
612	63	WSW	9. 1
801	59	WSW	8. 2
990	55	SW	7. 4
1, 170	47	SW	7. 8
1, 350	35	SW	8. 6
1, 530	29	SSW	9. 6
1, 710	27	SSW	10. 0
1, 890	25	SSW	9. 2
2, 070	21	SSW	8. 2
2, 250	18	SSW	8. 6
2, 430	16	SSW	8. 5
2, 610	12	SSW	7. 9
2, 790	9	S	7. 8
2, 970	13	SSW	8. 2
3, 150	12	SSW	8. 3
3, 330	9	S	8. 5
3, 510	4	S	8. 7
3, 690	2	S	8. 3
3, 870	2	S	10. 2

Disappearance: Distance.

No. 185. July 24, 1929; 11h 26m. Clouds: 3 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	1. 3
216	63	WSW	6. 1
414	69	WSW	6. 8
612	80	W	7. 0
801	99	W	8. 3
990	104	WNW	9. 9
1, 170	102	WNW	10. 6

Disappearance: Behind pipe.

No. 186. July 25, 1929; 10h 23m. Clouds: 3 Ci (?), 1 ASt WSW, 2 St W

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	31	SSW	1. 8
216	89	W	6. 9
414	105	WNW	10. 3
612	113	WNW	9. 2
801	126	NW	9. 0
990	135	NW	9. 4
1, 170	117	WNW	9. 5
1, 350	101	W	11. 7
1, 530	97	W	12. 4
1, 710	94	W	11. 8
1, 890	94	W	12. 6
2, 070	92	W	14. 6
2, 250	92	W	16. 0
2, 430	93	W	16. 5

Disappearance: Behind thin St. Stratus formed overhead while observation was being made.

No. 187. July 26, 1929; 20h 33m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	74	WSW	2. 7
216	46	SW	9. 6
414	46	SW	13. 4
612	51	SW	13. 0
801	46	SW	11. 6
990	38	SW	11. 0
1, 170	36	SW	10. 3
1, 350	32	SSW	10. 2
1, 530	31	SSW	10. 7
1, 710	33	SSW	11. 2
1, 890	33	SSW	12. 0
2, 070	35	SW	12. 5
2, 250	33	SSW	13. 0
2, 430	27	SSW	13. 5
2, 610	24	SSW	13. 5
2, 790	24	SSW	13. 0
2, 970	24	SSW	12. 5
3, 150	23	SSW	14. 4
3, 330	25	SSW	16. 0
3, 510	26	SSW	16. 5
3, 690	26	SSW	16. 6

Disappearance: Distance.

No. 188. July 27, 1929; 20h 41m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	1. 3
216	88	W	0. 7
414	95	W	1. 0
612	23	SSW	5. 5
801	12	SSW	8. 0
990	10	S	8. 6
1, 170	25	SSW	7. 8
1, 350	35	SW	8. 1
1, 530	34	SW	8. 5
1, 710	28	SSW	8. 5
1, 890	32	SSW	9. 0
2, 070	41	SW	9. 5
2, 250	46	SW	8. 3
2, 430	44	SW	6. 8
2, 610	42	SW	8. 0
2, 790	47	SW	10. 5
2, 970	51	SW	11. 5

Disappearance: Falling ice crystals.

No. 189. July 28, 1929; 14h 35m. Clouds: Few Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	43	SW	6. 5
414	43	SW	5. 3
612	52	SW	5. 0
801	47	SW	5. 5
990	45	SW	6. 3
1, 170	48	SW	6. 8
1, 350	51	SW	8. 2
1, 530	50	SW	9. 8
1, 710	50	SW	11. 1
1, 890	50	SW	12. 0
2, 070	53	SW	11. 9

No. 189—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 250	55	SW	11. 3
2, 430	51	SW	10. 5
2, 610	46	SW	9. 0
2, 790	42	SW	8. 0
2, 970	47	SW	8. 5
3, 150	52	SW	8. 5
3, 330	51	SW	8. 0

Disappearance: Local smoke.

No. 190. July 29, 1929; 21h 48m. Clouds: 6 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	9	S	4. 8
216	302	ESE	12. 0
414	301	ESE	10. 3
612	289	ESE	6. 3
801	277	E	7. 2
990	283	ESE	8. 7
1, 170	274	E	8. 3
1, 350	246	ENE	6. 3
1, 530	199	NNE	3. 5
1, 710	147	NNW	4. 8
1, 890	146	NW	6. 8
2, 070	151	NNW	7. 5
2, 250	151	NNW	8. 3
2, 430	149	NNW	8. 5
2, 610	148	NNW	9. 5
2, 790	149	NNW	10. 7
2, 970	148	NNW	11. 0
3, 150	149	NNW	12. 7
3, 330	146	NW	13. 7
3, 510	150	NNW	15. 2
3, 690	148	NNW	16. 3
3, 870	140	NW	16. 7

Disappearance: Frosting of lens.

No. 191. July 30, 1929: 22h 53m. Clouds: 5 ASt (WSW?), 4 StCu WSW. Lt. snow and lt. drift became dense at 10h 58m

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	22	SSW	5. 4
216	32	SSW	5. 8
414	82	W	6. 0
612	84	W	5. 5
801	92	W	5. 6
990	85	W	7. 5
1, 170	77	WSW	9. 0

Disappearance: Drifting snow. Barometer rising sharply. Variation of surface wind at time of observation: 22h 43m, ESE—10 m. p. h.; 22h 44m, WSW—4 m. p. h.; 22h 45m, SW—13 m. p. h.; 22h 48m, SSW—13 m. p. h.; 22h 53m, SSW—25 m. p. h.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 192. Aug. 3, 1929; 21h 45m. Clouds: Few ASt

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	16	SSW	3.1
216	333	SSE	3.7
414	327	SSE	5.4
612	335	SSE	7.2
801	349	S	8.2
990	3	S	8.3
1,170	18	SSW	7.5
1,350	25	SSW	5.2
1,530	25	SSW	2.9
1,710	31	SSW	4.0
1,890	34	SW	4.5
2,070	55	SW	2.7
2,250	88	W	3.1
2,430	96	W	2.8
2,610	105	WNW	2.3
2,790	126	NW	2.2
2,970	143	NW	2.3
3,150	141	NW	2.5
3,330	139	NW	2.5
3,510	155	NNW	2.2
3,690	175	N	1.0

Disappearance: Frosting of lens.

No. 193. Aug. 5, 1929; 21h 30m. Clouds: 0. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	10	S	5.4
216	9	S	3.7
414	168	NNW	2.2
612	164	NNW	7.4
801	171	N	10.7
990	174	N	11.5
1,170	171	N	12.0
1,350	168	NNW	11.6
1,530	161	NNW	11.8
1,710	161	NNW	12.3
1,890	166	NNW	12.8
2,070	166	NNW	14.5
2,250	166	NNW	16.3
2,430	167	NNW	16.7
2,610	164	NNW	16.3
2,790	164	NNW	17.7
2,970	165	NNW	19.0

Disappearance: Distance. South wind extended upward only about 100 m, then shifted to northerly.

No. 194. Aug. 6, 1929; 21h 57m. Clouds: StCu ENE, Few St E

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	10	S	4.0
108	319	SE	3.8
216	290	ESE	11.1
414	280	E	13.0
612	265	E	9.5
801	259	E	8.1
990	256	ENE	8.3
1,170	258	ENE	8.5
1,350	257	ENE	8.5
1,530	255	ENE	8.2

Disappearance: Entered StCu, 1,530 m. Water sky to north.

No. 195. Aug. 7, 1929; 15h 41m. Clouds: 3 St (?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	320	SE	1.8
216	355	S	4.7
414	8	S	2.8
612	358	S	1.2
801	335	SSE	2.5
990	332	SSE	4.1
1,170	330	SSE	3.4
1,350	310	SE	0.5
1,530	150	NNW	1.7
1,710	151	NNW	2.0
1,890	179	N	1.6
2,070	215	NE	2.5
2,250	220	NE	3.3
2,430	220	NE	3.0

Disappearance: Frost on lens.

No. 196. Aug. 8, 1929; 20h 29m. Clouds: 2 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	15	SSW	3.1
216	317	SE	7.3
414	305	SE	9.4
612	304	SE	6.4
801	305	SE	4.0
990	310	SE	2.2
1,170	315	SE	2.1
1,350	304	SE	2.3
1,530	294	ESE	2.4
1,710	283	ESE	2.5
1,890	276	E	2.0
2,070	283	ESE	1.5
2,250	293	ESE	1.6
2,430	288	ESE	2.2
2,610	291	ESE	2.5
2,790	309	SE	2.9
2,970	302	ESE	3.2
3,150	292	ESE	3.6
3,330	302	ESE	3.3
3,510	317	SE	2.5
3,690	319	SE	2.2

Disappearance: Frosting of lens.

No. 197. Aug. 9, 1929; 21h 16m. Clouds: 0. Paraselenae and lunar pillar

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	15	SSW	1.8
216	346	SSE	5.7
414	342	SSE	6.5
612	341	SSE	8.5
801	337	SSE	10.0
990	351	S	10.5
1,170	1	S	9.1
1,350	0	S	7.5

Disappearance: Frost on prism.

No. 198. Aug. 11, 1929; 21h 31m. Clouds: 3 Ci. Lt. snow falling. Faint 22° lunar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	96	W	1.3
216	13	SSW	8.0
414	355	S	2.7
612	352	S	6.5
801	0	S	5.2
990	4	S	4.3
1,170	349	S	3.6
1,350	312	SE	3.2
1,530	276	E	1.5
1,710	127	NW	.8
1,890	106	WNW	2.2
2,070	125	NW	3.5
2,250	132	NW	4.8
2,430	122	WNW	6.0
2,610	117	WNW	6.8
2,790	123	WNW	6.7
2,970	129	NW	6.7
3,150	137	NW	6.8
3,330	150	NNW	7.0
3,510	157	NNW	7.2
3,690	155	NNW	7.8
3,870	152	NNW	8.8
4,050	150	NNW	9.9
4,230	153	NNW	10.5
4,410	152	NNW	12.2
4,590	148	NNW	14.0
4,770	145	NW	12.8
4,950	139	NW	13.6
5,130	136	NW	16.2

Disappearance: Frost on eyepiece.

No. 199. Aug. 12, 1929; 18h 14m. Clouds: 1 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	41	SW	1.8
216	22	SSW	5.0
414	52	SW	1.8
612	163	NNW	2.3
801	166	NNW	2.7
990	134	NW	3.2
1,170	127	NW	3.9
1,350	135	NW	3.7
1,530	138	NW	4.5
1,710	141	NW	5.7
1,890	145	NW	5.7
2,070	142	NW	5.3
2,250	142	NW	7.0
2,430	143	NW	6.7
2,610	149	NNW	9.6
2,790	153	NNW	10.2
2,970	154	NNW	10.4
3,150	148	NNW	10.5
3,330	139	NW	11.3
3,510	136	NW	12.4
3,690	140	NW	13.0
3,870	139	NW	13.5
4,050	137	NW	13.8

Disappearance: Steam from pipe.

No. 200. Aug. 13, 1929; 19h 16m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	64	WSW	2.2
216	70	WSW	6.8
414	86	W	10.5
612	93	W	10.8
801	94	W	9.7
990	93	W	9.6
1,170	101	W	7.7
1,350	113	WNW	7.2
1,530	127	NW	6.7
1,710	144	NW	6.5
1,890	148	NNW	7.6
2,070	154	NNW	7.7
2,250	159	NNW	7.9
2,430	160	NNW	8.7
2,610	167	NNW	10.3
2,790	172	N	11.4
2,970	178	N	11.5
3,150	180	N	13.6
3,330	180	N	16.0
3,510	181	N	17.1
3,690	183	N	18.4
3,870	186	N	19.2

Disappearance: Distance.

No. 201. Aug. 14, 1929; 18h 07m. Clouds: 4 CiSt, 2 St N

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	203	NNE	4.0
216	189	N	9.3
414	185	N	9.0
612	181	N	9.2
801	177	N	8.5
990	169	N	7.2
1,170	173	N	9.4
1,350	178	N	12.8
1,530	174	N	13.6
1,710	173	N	13.0
1,890	179	N	12.4
2,070	178	N	13.0
2,250	175	N	14.0
2,430	174	N	14.2

Disappearance: Behind St.

No. 202. Aug. 15, 1929; 19h 39m. Clouds: 9 StCu E, Few St SSE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	358	S	4.0
216	308	SE	10.8
414	305	SE	14.0
612	307	SE	11.7
801	310	SE	9.0
990	297	ESE	8.9
1,170	285	ESE	9.7
1,350	269	E	8.6
1,530	261	E	8.0
1,620	262	E	8.4

Disappearance: Entered StCu, 1620 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 203. Aug. 18, 1929; 20h 20m. Clouds: 7 StCu NE, Few St E. Brilliant corona, 4 bands of color.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	302	ESE	1.8
216	281	E	7.7
414	267	E	9.0
612	262	E	10.0
801	252	ENE	10.2
990	239	ENE	11.4
1,170	228	NE	13.2
1,350	227	NE	14.2
1,530	232	NE	14.9
1,710	234	NE	16.1
1,890	234	NE	17.0
2,070	231	NE	18.8
2,250	228	NE	21.0

Disappearance: Entered StCu, 2250 m.

No. 204. Aug. 19, 1929; 20h 57m. Clouds: 9 ASt (NE?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	5.4
216	233	NE	8.5
414	217	NE	9.1
612	209	NNE	10.0
801	206	NNE	11.9
990	201	NNE	13.7
1,170	195	NNE	14.7
1,350	193	NNE	12.9
1,530	201	NNE	10.8
1,710	208	NNE	10.5
1,890	210	NNE	9.5
2,070	218	NE	9.0
2,250	225	NE	9.9
2,430	228	NE	10.8
2,610	230	NE	10.8
2,790	228	NE	11.3
2,970	228	NE	12.3
3,150	226	NE	13.0

Disappearance: Local smoke.

No. 205. Aug. 21, 1929; 9h 57m. Clouds: 9 ASt W, 1 St WSW. Vis.: 7.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	76	WSW	2.7
216	64	WSW	9.0
414	70	WSW	13.0
612	67	WSW	13.5
801	68	WSW	12.5
990	74	WSW	12.7
1,170	76	WSW	12.4
1,350	80	W	12.5
1,530	86	W	14.4
1,710	87	W	16.0
1,890	80	W	17.3
2,070	74	WSW	17.4
2,250	67	WSW	16.2
2,430	64	WSW	15.5
2,610	67	WSW	14.2
2,790	74	WSW	13.5
2,970	77	WSW	13.4

No. 205—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,150	81	W	14.0
3,330	84	W	14.5
3,510	79	W	14.0
3,690	78	WSW	13.6

Disappearance: Distance. Entered St, 895 m.

No. 206. Aug. 22, 1929; 13h 26m. Clouds: 3 Ci, Few St Cu S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	46	SW	5.4
216	16	SSW	14.2
414	1	S	15.7
612	356	S	13.7
801	3	S	13.4
990	1	S	14.6
1,170	353	S	13.3
1,350	352	S	11.7
1,530	348	SSE	10.8
1,710	352	S	10.3
1,890	357	S	11.3
2,070	358	S	12.3
2,250	3	S	12.7
2,430	5	S	13.0
2,610	9	S	13.5
2,790	14	SSW	15.0
2,970	16	SSW	16.0
3,150	18	SSW	15.2
3,330	21	SSW	15.3
3,510	19	SSW	15.8

Disappearance: Distance.

No. 207. Aug. 23, 1929; 19h 06m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	283	ESE	2.7
216	294	ESE	3.8
414	345	SSE	5.5
612	0	S	8.0
801	7	S	8.5
990	15	SSW	7.5
1,170	30	SSW	8.7
1,350	35	SW	9.8
1,530	33	SSW	8.1
1,710	35	SW	6.3
1,890	46	SW	5.3
2,070	55	SW	4.8
2,250	30	SSW	4.9
2,430	0	S	4.8
2,610	327	SSE	3.7
2,790	347	SSE	4.2
2,970	12	SSW	6.2
3,150	14	SSW	7.8
3,330	16	SSW	9.0
3,510	24	SSW	9.0
3,690	26	SSW	9.8
3,870	20	SSW	12.3
4,050	15	SSW	13.1
4,230	12	SSW	12.8

Disappearance: Frosting of lens.

No. 208. Aug. 25, 1929; 14h 29m. Clouds: 1 ASt (S?), lt. haze. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	59	WSW	1.3
216	310	SE	4.4
414	311	SE	6.7
612	320	SE	6.0
801	334	SSE	5.8
990	331	SSE	5.1
1,170	332	SSE	3.5
1,350	337	SSE	3.8
1,530	322	SE	3.5
1,710	325	SE	3.6
1,890	340	SSE	3.2
2,070	345	SSE	2.8
2,250	1	S	2.0

Disappearance: Bursting.

No. 209. Aug. 26, 1929; 12h 13m. Clouds: Few Ci. Vis: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm		Calm
216	13	SSW	11.5
414	15	SSW	14.5
612	19	SSW	14.7
801	27	SSW	11.0
990	41	SW	6.6
1,170	58	WSW	3.7
1,350	69	WSW	2.3
1,530	130	NW	1.0
1,710	171	N	2.1
1,890	136	NW	1.9
2,070	124	NW	2.7
2,250	134	NW	4.2
2,430	135	NW	5.3
2,610	134	NW	5.9
2,790	138	NW	5.6
2,970	145	NW	5.7
3,150	148	NNW	6.0

Disappearance: Behind anemometer post.

No. 210. Aug. 27, 1929; 11h 36m. Clouds: 8 CiSt, Few ASt NW. Vis: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	56	SW	7.1
414	57	WSW	12.0
612	55	SW	14.1
801	54	SW	15.8
990	56	SW	17.2
1,170	63	WSW	17.5
1,350	67	WSW	17.2
1,530	62	WSW	14.4
1,710	61	WSW	10.8
1,890	76	WSW	7.2
2,070	85	W	6.3
2,250	99	W	5.8
2,430	116	WNW	4.6
2,610	120	WNW	3.5
2,790	127	NW	3.6

No. 210—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	129	NW	4.5
3,150	132	NW	5.1
3,330	148	NNW	5.8
3,510	144	NW	5.8
3,690	140	NW	5.6
3,870	147	NNW	6.3
4,050	155	NNW	6.6
4,230	155	NNW	7.5
4,410	150	NNW	6.5
4,590	144	NW	5.4

Disappearance: Local smoke.

No. 211. Aug. 28, 1929; 10h 21m. Clouds: 7 CiSt, 1 St W. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	83	W	4.7
414	61	WSW	11.0
612	65	WSW	16.1
801	73	WSW	16.5
990	80	W	19.1
1,170	77	WSW	14.5
1,350	62	WSW	7.0
1,530	75	WSW	2.5
1,710	113	WNW	2.2
1,890	118	WNW	1.0
2,070	144	NW	1.0
2,250	162	NNW	1.3
2,430	173	N	1.7
2,610	171	N	2.1
2,790	173	N	2.6
2,970	190	N	3.0
3,150	206	NNE	3.3
3,330	205	NNE	3.3
3,510	208	NNE	3.2
3,690	210	NNE	4.5
3,870	215	NE	4.2
4,050	225	NE	3.7

Disappearance: Behind St. St increased to 8 at end of observation.

No. 212. Aug. 30, 1929; 14h 10m. Clouds: 10 ASt SSW. Vis.: 6. Lt. snow falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	7	S	5.3
414	7	S	7.9
612	7	S	8.5
801	9	S	8.8
990	13	SSW	8.8
1,170	11	S	9.1
1,350	10	S	8.2
1,530	11	S	8.0

Disappearance: Entered ASt, 1,530 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 213. Aug. 31, 1929; 9h 23m. Clouds: Few Ci. Vis.: 9. Haze due to falling ice crystals when observation started

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	5. 8
216	348	SSE	4. 1
414	333	SSE	2. 1
612	351	S	2. 6
801	348	SSE	4. 9
990	350	S	8. 8
1, 170	346	SSE	11. 9
1, 350	348	SSE	12. 9
1, 530	352	S	13. 5
1, 710	351	S	12. 2
1, 890	353	S	10. 0
2, 070	359	S	10. 3
2, 250	358	S	11. 3
2, 430	351	S	10. 6
2, 610	345	SSE	10. 7
2, 790	350	S	10. 7
2, 970	352	S	12. 8
3, 150	351	S	13. 0
3, 330	348	SSE	14. 1
3, 510	346	SSE	15. 0
3, 690	350	S	15. 9
3, 870	353	S	15. 6
4, 050	352	S	14. 7
4, 230	354	S	15. 0
4, 410	353	S	15. 4
4, 590	350	S	15. 2
4, 770	348	SSE	15. 0
4, 950	348	SSE	14. 8
5, 130	349	S	14. 8
5, 310	351	S	14. 0
5, 490	347	SSE	14. 0
5, 670	342	SSE	14. 2
5, 850	340	SSE	14. 4
6, 030	340	SSE	15. 8
6, 210	342	SSE	15. 2
6, 390	342	SSE	14. 0

Disappearance: Local smoke.

No. 214. Sept. 1, 1929; 11h 49m. Clouds: 5 Ci (NNW?) Vis.: 9.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	0. 9
216	24	SSW	4. 0
414	28	SSW	3. 2
612	31	SSW	11. 3
801	30	SSW	11. 9
990	23	SSW	13. 4
1, 170	24	SSW	13. 5
1, 350	28	SSW	13. 3
1, 530	27	SSW	11. 2
1, 710	27	SSW	9. 3
1, 890	25	SSW	9. 8
2, 070	16	SSW	7. 1
2, 250	14	SSW	3. 7
2, 430	41	SW	3. 9
2, 610	64	WSW	4. 2
2, 790	85	W	3. 5
2, 970	108	WNW	2. 5
3, 150	130	NW	2. 6
3, 330	128	NW	2. 8
3, 410	120	WNW	2. 8
3, 690	120	WNW	3. 7
3, 870	121	WNW	4. 4
4, 050	125	NW	4. 5

No. 214—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 230	142	NW	4. 6
4, 410	161	NNW	4. 8
4, 590	165	NNW	4. 6
4, 770	170	N	4. 8
4, 950	172	N	5. 7
5, 130	166	NNW	6. 0
5, 310	167	NNW	6. 6
5, 490	175	N	7. 5
5, 670	181	N	8. 7
5, 850	178	N	10. 4
6, 030	169	N	10. 8
6, 210	160	NNW	11. 1
6, 390	155	NNW	11. 2
6, 570	158	NNW	11. 3
6, 750	166	NNW	11. 7
6, 930	165	NNW	12. 0
7, 110	162	NNW	11. 7
7, 290	155	NNW	11. 4
7, 470	151	NNW	12. 1
7, 650	152	NNW	12. 8
7, 830	158	NNW	13. 5
8, 010	156	NNW	13. 4
8, 190	157	NNW	13. 1
8, 370	158	NNW	13. 0

Disappearance: (?) Cirrus thickening.

No. 215. Sept. 2, 1929; 13h. Clouds: 9 St NNE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	21	SSW	4. 0
216	335	SSE	2. 5
414	225	NE	2. 5
612	188	N	2. 0
675	197	NNE	1. 0

Disappearance: Entered St, 675 m.

No. 216. Sept. 3, 1929; 11h 18m. Clouds: 0. Vis.: 7. Haze along horizon

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	48	SW	5. 4
216	25	SSW	14. 6
414	24	SSW	9. 5
612	48	SW	3. 9
801	69	WSW	3. 5
990	85	W	2. 5
1, 170	134	NW	1. 1
1, 350	151	NNW	0. 7
1, 530	122	WNW	1. 9
1, 710	141	NW	2. 4
1, 890	180	N	3. 8
2, 070	185	N	5. 8
2, 250	184	N	6. 8
2, 430	183	N	7. 3
2, 610	179	N	7. 5
2, 790	182	N	7. 8
2, 970	188	N	9. 0
3, 150	189	N	10. 2
3, 330	186	N	10. 1
3, 510	178	N	10. 1
3, 690	176	N	11. 2
3, 870	177	N	12. 3
4, 050	175	N	13. 8
4, 230	172	N	15. 7
4, 410	176	N	16. 8

No. 216—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 590	181	N	17. 9
4, 770	180	N	18. 1
4, 950	183	N	18. 3
5, 130	184	N	19. 2
5, 310	180	N	19. 3
5, 490	177	N	18. 0
5, 670	179	N	17. 8
5, 850	179	N	17. 5
6, 030	177	N	17. 2
6, 210	176	N	17. 6

Disappearance: Distance.

No. 217. Sept. 4, 1929; 13h 40m. Clouds: 2 CiSt NE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	22	SSW	2. 2
216	45	SW	8. 5
414	57	WSW	9. 0
612	58	WSW	8. 8
801	57	WSW	8. 4
990	49	SW	7. 7
1, 170	34	SW	7. 8
1, 350	25	SSW	8. 0
1, 530	20	SSW	5. 3
1, 710	36	SW	2. 6
1, 890	17	SSW	1. 8
2, 070	257	ENE	2. 0
2, 250	245	ENE	4. 1
2, 430	248	ENE	5. 2
2, 610	235	NE	6. 0
2, 790	224	NE	7. 2
2, 970	228	NE	7. 6
3, 150	239	ENE	9. 0
3, 330	240	ENE	10. 6
3, 510	235	NE	11. 5
3, 690	229	NE	13. 0
3, 870	228	NE	14. 4
4, 050	232	NE	15. 2
4, 230	233	NE	15. 9
4, 410	230	NE	16. 2
4, 590	231	NE	17. 0
4, 770	232	NE	18. 0
4, 950	232	NE	17. 7
5, 130	231	NE	18. 2
5, 310	230	NE	18. 1
5, 490	230	NE	18. 6
5, 670	229	NE	20. 7
5, 850	226	NE	20. 5
6, 030	222	NE	19. 0
6, 210	225	NE	17. 8
6, 390	227	NE	16. 7
6, 570	227	NE	15. 6
6, 750	225	NE	15. 0
6, 930	225	NE	14. 5
7, 110	225	NE	16. 0
7, 290	220	NE	14. 0
7, 470	210	NNE	12. 8
7, 650	205	NNE	14. 0
7, 830	208	NNE	13. 8
8, 010	209	NNE	14. 8
8, 190	208	NNE	14. 4
8, 370	204	NNE	14. 8
8, 550	199	NNE	15. 0
8, 730	197	NNE	14. 8
8, 910	191	N	15. 0
9, 090	193	NNE	13. 6
9, 270	201	NNE	12. 8

Disappearance: Distance.

No. 218. Sept. 5, 1929; 14h 02m. Clouds: 10 St WNW. Vis.: 6. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	2. 7
216	124	NW	7. 8
414	113	WNW	11. 5
513	111	WNW	13. 4

Disappearance: Entered St, 513 m.

No. 219. Sept. 6, 1929; 11h 48m. Clouds: Few StCu SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	69	WSW	2. 7
216	48	SW	6. 5
414	62	WSW	7. 6
612	59	WSW	7. 5
801	50	SW	8. 4
990	47	SW	7. 5
1, 170	44	SW	5. 3
1, 350	40	SW	5. 7
1, 530	40	SW	5. 8
1, 710	39	SW	6. 8
1, 890	37	SW	7. 8
2, 070	38	SW	7. 7
2, 250	41	SW	7. 8
2, 430	42	SW	7. 5
2, 610	38	SW	7. 4
2, 790	41	SW	7. 6
2, 970	24	SSW	7. 9
3, 150	1	S	8. 1
3, 330	356	S	6. 5
3, 510	350	S	6. 7
3, 690	334	SSE	7. 0
3, 870	321	SE	6. 7
4, 050	317	SE	6. 4
4, 230	316	SE	6. 5
4, 410	322	SE	7. 2
4, 590	327	SSE	7. 0
4, 770	328	SSE	7. 2
4, 950	323	SE	7. 3
5, 130	321	SE	7. 2
5, 310	319	SE	7. 0
5, 490	328	SSE	6. 0
5, 670	341	SSE	5. 5
5, 850	0	S	5. 2
6, 030	12	SSW	5. 4
6, 210	19	SSW	6. 0
6, 390	31	SSW	8. 0
6, 570	40	SW	9. 6
6, 750	46	SW	12. 0
6, 930	50	SW	14. 4
7, 110	52	SW	15. 5
7, 290	55	SW	18. 5
7, 470	59	WSW	20. 3
7, 650	61	WSW	20. 6
7, 830	63	WSW	21. 5
8, 010	67	WSW	19. 8
8, 190	62	WSW	23. 0
8, 370	61	WSW	25. 6
8, 550	63	WSW	26. 2
8, 730	63	WSW	25. 0
8, 910	62	WSW	24. 6
9, 090	62	WSW	26. 0
9, 270	64	WSW	27. 2

Disappearance: Distance.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 220. Sept. 7, 1929; 10h 52m. Clouds: 3 Ci SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	57	WSW	2.2
216	0	S	6.2
414	6	S	7.6
612	24	SSW	8.1
801	39	SW	9.2
990	42	SW	11.3
1,170	34	SW	18.1
1,350	32	SSW	17.0
1,530	33	SSW	16.8
1,710	34	SW	15.7
1,890	41	SW	13.8
2,070	46	SW	12.7
2,250	48	SW	15.4
2,430	56	SW	16.8
2,610	58	WSW	18.0
2,790	56	SW	17.8
2,970	53	SW	19.5
3,150	51	SW	20.0
3,330	54	SW	19.5
3,510	56	SW	20.3
3,690	56	SW	20.4

Disappearance: Against cirrus.

No. 221. Sept. 8, 1929; 13h 20m. Clouds: Few StCu. Vis.: 8. Ice crystals falling. Parhelia and upper tangent arc

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	330	SSE	1.8
216	346	SSE	3.3
414	15	SSW	6.4
612	6	S	7.6
801	357	S	8.2
990	351	S	6.9
1,170	2	S	6.6
1,350	20	SSW	7.6
1,530	36	SW	6.7
1,710	43	SW	6.2
1,890	33	SSW	5.6
2,070	25	SSW	4.9
2,250	36	SW	4.6
2,430	51	SW	4.8
2,610	53	SW	5.9
2,790	52	SW	7.2
2,970	52	SW	7.4
3,150	55	SW	7.2
3,330	63	WSW	6.9
3,510	71	WSW	6.5
3,690	72	WSW	6.8
3,870	77	WSW	8.2
4,050	82	W	9.4
4,230	79	W	9.1
4,410	74	WSW	8.1
4,590	69	WSW	8.0
4,770	67	WSW	9.2
4,950	76	WSW	10.7
5,130	80	W	15.2
5,310	83	W	17.4
5,490	85	W	20.0
5,670	87	W	20.6
5,850	91	W	20.5
6,030	91	W	22.3
6,210	89	W	22.3
6,390	87	W	23.0

No. 221—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,570	88	W	24.0
6,750	89	W	26.2
6,930	90	W	26.8

Disappearance: Distance.

No. 222. Sept. 9, 1929; 10h 52m. Clouds: Few Ci NW or WNW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	22	SSW	1.3
216	333	SSE	5.3
414	306	SE	8.1
612	302	ESE	9.0
801	313	SE	7.8
990	317	SE	8.1
1,170	305	SE	7.8
1,350	309	SE	5.5
1,530	318	SE	5.6
1,710	307	SE	4.6
1,890	301	ESE	4.9
2,070	304	SE	4.3
2,250	300	ESE	4.1
2,430	283	ESE	4.4
2,610	276	E	4.2
2,790	282	ESE	2.6
2,970	269	E	1.4
3,150	254	ENE	1.3
3,330	272	E	1.8
3,510	270	E	2.7
3,690	264	E	2.8
3,870	261	E	2.8
4,050	271	E	2.6
4,230	293	ESE	3.0
4,410	299	ESE	3.2
4,590	294	ESE	3.5
4,770	288	ESE	4.3
4,950	286	ESE	3.7
5,130	294	ESE	2.6
5,310	308	SE	2.5
5,490	294	ESE	2.0
5,670	220	NE	.5
5,850	144	NW	8.7
6,030	138	NW	5.5
6,210	130	NW	7.0
6,390	125	NW	7.6
6,570	128	NW	7.7
6,750	130	NW	7.3
6,930	122	WNW	8.5
7,110	123	WNW	11.0
7,290	124	NW	12.4
7,470	122	WNW	12.5
7,650	118	WNW	13.2
7,830	120	WNW	13.3
8,010	117	WNW	13.7
8,190	113	WNW	13.4
8,370	115	WNW	13.0
8,550	117	WNW	14.5
8,730	114	WNW	14.5
8,910	116	WNW	13.7
9,090	116	WNW	13.8
9,270	113	WNW	13.2
9,450	111	WNW	13.0
9,630	116	WNW	13.2
9,810	121	WNW	13.4
9,990	119	WNW	12.7
10,170	119	WNW	11.5

Disappearance: (?). Parhelia.

No. 223. Sept. 10, 1929; 10h 11m. Clouds: 0. Falling ice crystals; hazy. 22° solar halo parhelia and upper tangent arc

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	27	SSW	4.5
216	35	SW	11.5
414	20	SSW	10.5
612	350	S	12.0
801	353	S	20.7
990	356	S	25.1
1,170	0	S	25.7
1,350	3	S	22.8
1,530	1	S	21.7
1,710	1	S	22.3
1,890	1	S	23.0
2,070	2	S	24.5
2,250	3	S	23.1
2,430	4	S	23.2
2,610	3	S	23.0
2,790	8	S	23.0
2,970	11	S	24.0
3,150	11	S	22.6
3,330	11	S	21.6

Disappearance: Ice crystal haze.

No. 224. Sept. 10, 1929; 14h 01m. Clouds: 3 ASt SSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	27	SSW	3.1
216	24	SSW	3.6
414	12	SSW	7.1
612	16	SSW	11.5
801	23	SSW	13.6
990	28	SSW	15.2
1,170	25	SSW	15.8
1,350	20	SSW	15.3
1,530	17	SSW	16.3
1,710	15	SSW	18.5
1,890	13	SSW	20.1
2,070	13	SSW	21.2
2,250	14	SSW	23.5
2,430	14	SSW	25.6

Disappearance: Against blue sky. Clouds moving rapidly.

No. 225. Sept. 11, 1929; 9h 16m. Clouds: Few ASt SW. Vis.:8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	2.7
216	12	SSW	5.2
414	28	SSW	6.6
612	30	SSW	9.5
801	28	SSW	10.5
990	29	SSW	10.3
1,170	29	SSW	10.5
1,350	26	SSW	10.5
1,530	22	SSW	12.1
1,710	19	SSW	16.1
1,800	20	SSW	17.8

No. 225—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,070	20	SSW	16.5
2,250	20	SSW	15.4
2,430	20	SSW	15.0
2,610	23	SSW	12.0
2,790	32	SSW	9.1
2,970	46	SW	7.4
3,150	68	WSW	6.5
3,330	65	WSW	9.5
3,510	58	WSW	12.0
3,690	60	WSW	13.1
3,870	65	WSW	15.1
4,050	66	WSW	18.5
4,230	68	WSW	19.2
4,410	72	WSW	15.8
4,590	78	WSW	14.4
4,770	80	W	14.3
4,950	78	WSW	12.4
5,130	79	W	11.5
5,310	75	WSW	12.4
5,490	74	WSW	13.4
5,670	81	W	13.0
5,850	87	W	12.4
6,030	85	W	13.8
6,210	86	W	13.0
6,390	84	W	11.4
6,570	87	W	12.0
6,750	98	W	12.0

Disappearance: Behind anemometer post.

No. 226. Sept. 12, 1929; 9h 52m. Clouds: Few ASt W. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	0.9
216	81	W	4.4
414	88	W	7.6
612	84	W	10.0
801	76	WSW	10.8
990	64	WSW	12.1
1,170	55	SW	15.7
1,350	56	SW	16.0
1,530	61	WSW	13.6
1,710	63	WSW	12.9
1,890	65	WSW	12.8
2,070	72	WSW	12.7
2,250	77	W	11.7
2,430	93	WNW	8.5
2,610	102	W	6.4
2,790	91	W	8.2
2,970	81	W	9.7
3,150	80	W	10.7
3,330	80	W	11.9
3,510	80	W	12.5
3,690	84	W	12.2
3,870	93	W	10.6
4,050	87	W	11.0
4,230	82	W	13.0
4,410	85	W	12.9
4,590	85	W	12.4
4,770	84	W	13.8
			14.8

Disappearance: Vapor from ventilators.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 227. Sept. 14, 1929; 9h 04m. Clouds: 4 Ci WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	33	SSW	3. 8
414	35	SW	6. 0
612	15	SSW	4. 4
801	344	SSE	2. 7
990	287	ESE	2. 0
1, 170	298	ESE	3. 2
1, 350	312	SE	4. 2
1, 530	303	ESE	3. 5
1, 710	292	ESE	3. 2
1, 890	301	ESE	3. 1
2, 070	311	SE	3. 4
2, 250	334	SSE	2. 0
2, 430	346	SSE	2. 8
2, 610	63	WSW	4. 2
2, 790	74	WSW	5. 3
2, 970	72	WSW	6. 5
3, 150	73	WSW	6. 5
3, 330	73	WSW	6. 3
3, 510	75	WSW	6. 9
3, 690	80	W	7. 8
3, 870	80	W	8. 5
4, 050	77	WSW	8. 2
4, 230	80	W	8. 0
4, 410	89	W	8. 4
4, 590	99	W	9. 3
4, 770	104	WNW	10. 7
4, 950	106	WNW	11. 8
5, 130	107	WNW	12. 7
5, 310	110	WNW	12. 8
5, 490	110	WNW	13. 2
5, 670	108	WNW	13. 2
5, 850	106	WNW	14. 1
6, 030	105	WNW	15. 3
6, 210	108	WNW	13. 8
6, 390	106	WNW	13. 3
6, 570	105	WNW	13. 8
6, 750	108	WNW	14. 3
6, 930	113	WNW	14. 1
7, 110	114	WNW	13. 4
7, 290	112	WNW	13. 8
7, 470	116	WNW	13. 8
7, 650	124	NW	15. 0
7, 830	126	NW	16. 5
8, 010	118	WNW	16. 0
8, 190	115	WNW	16. 8
8, 370	118	WNW	19. 8
8, 550	116	WNW	17. 4
8, 730	114	WNW	16. 4
8, 910	114	WNW	17. 6
9, 090	116	WNW	18. 2
9, 270	115	WNW	22. 0
9, 450	118	WNW	23. 0
9, 630	120	WNW	22. 0

Disappearance: Against Ci. Cirrus very thin.

No. 228. Sept. 15, 1929; 10h 25m. Clouds: 2 Ci WNW, Few St SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	276	E	2. 2
216	327	SSE	3. 2
414	344	SSE	3. 2
612	261	E	2. 5
801	216	NE	5. 5

No. 228—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	198	NNE	6. 5
1, 170	191	N	7. 5
1, 350	180	N	5. 8
1, 530	151	NNW	4. 7
1, 710	153	NNW	4. 8
1, 890	143	NW	5. 0
2, 070	133	NW	5. 8
2, 250	129	NW	6. 8
2, 430	127	NW	6. 5
2, 610	122	WNW	5. 7
2, 790	112	WNW	6. 1
2, 970	108	WNW	6. 5
3, 150	110	WNW	6. 4
3, 330	112	WNW	7. 2
3, 510	114	WNW	9. 0
3, 690	114	WNW	10. 3
3, 870	112	WNW	10. 8
4, 050	115	WNW	11. 3
4, 230	117	WNW	11. 1
4, 410	114	WNW	10. 3
4, 590	115	WNW	10. 7
4, 770	118	WNW	10. 5
4, 950	123	WNW	9. 8
5, 130	124	NW	10. 1
5, 310	125	NW	9. 5
5, 490	129	NW	10. 1
5, 670	130	NW	10. 5
5, 850	128	NW	10. 3
6, 030	127	NW	11. 1
6, 210	125	NW	10. 8
6, 390	124	NW	11. 5
6, 570	122	WNW	11. 6
6, 750	125	NW	12. 0
6, 930	125	NW	14. 5
7, 110	120	WNW	15. 3
7, 290	118	WNW	14. 8

Disappearance: Local smoke and distance.

No. 229. Sept. 16, 1929; 7h 17m. Clouds: 10 ASt NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	4. 0
216	5	S	6. 3
414	330	SSE	5. 7
612	321	SE	6. 0
801	325	SE	3. 8
990	293	ESE	1. 1
1, 170	190	N	1. 8
1, 350	164	NNW	1. 3
1, 530	143	NW	1. 8
1, 710	129	NW	3. 2
1, 890	133	NW	4. 0

Disappearance: Entered ASt, 1,890 m.

No. 230. Sept. 17, 1929; 8h 58m. Clouds: 9 CiSt NNW. Vis.: 9. Bright 22° solar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	282	ESE	3. 1
216	271	E	7. 9
414	190	N	5. 2
612	166	NNW	7. 8

No. 230—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	175	N	8. 9
990	180	N	8. 3
1, 170	189	N	6. 5
1, 350	200	NNE	7. 1
1, 530	203	NNE	7. 2
1, 710	208	NNE	7. 2
1, 890	210	NNE	7. 1
2, 070	204	NNE	6. 9
2, 250	198	NNE	7. 0
2, 430	194	NNE	7. 0
2, 610	199	NNE	7. 4
2, 790	183	N	8. 2
2, 970	176	N	8. 3
3, 150	174	N	9. 5
3, 330	174	N	11. 2
3, 510	173	N	12. 2
3, 690	170	N	12. 2
3, 870	168	NNW	12. 0

Disappearance: Behind ventilator, probably entered CiSt.

No. 231. Sept. 18, 1929; 21h 15m. Clouds: 9 ASt E, 1 StCu. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	30	SSW	4. 0
216	330	SSE	6. 5
414	321	SE	6. 8
612	310	SE	4. 7
801	258	ENE	3. 8
990	243	ENE	5. 3
1, 170	258	ENE	7. 0
1, 350	268	E	6. 3
1, 530	280	E	2. 8
1, 710	301	ESE	1. 2
1, 890	289	ESE	1. 5
2, 070	262	E	4. 2
2, 250	260	E	6. 5
2, 430	259	E	8. 1
2, 610	264	E	9. 1
2, 790	273	E	9. 5

Disappearance: Entered ASt, 2,790 m.

No. 232. Sept. 19, 1929; 8h 59m. Clouds: 6 ASt SW. Vis.: 6. Lt. drift increasing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	8. 1
216	26	SSW	12. 6
414	28	SSW	10. 7
612	33	SSW	7. 3
801	32	SSW	5. 5
990	31	SSW	5. 6
1, 170	28	SSW	6. 7
1, 350	27	SSW	7. 3
1, 530	33	SSW	7. 3
1, 710	31	SSW	8. 8
1, 890	23	SSW	10. 6
2, 070	20	SSW	11. 5

Disappearance: Background and drift.

No. 233. Sept. 19, 1929; 16h 51m. Clouds: 1 Ci. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	72	WSW	5. 4
216	34	SW	13. 2
414	28	SSW	19. 5
612	30	SSW	23. 7
801	32	SSW	23. 7
990	29	SSW	20. 5
1, 170	28	SSW	16. 2
1, 350	30	SSW	16. 0
1, 530	27	SSW	16. 6
1, 710	23	SSW	16. 6
1, 890	24	SSW	15. 0
2, 070	25	SSW	11. 5
2, 250	22	SSW	8. 6
2, 430	33	SSW	6. 8
2, 610	59	WSW	7. 0
2, 790	66	WSW	7. 6
2, 970	55	SW	8. 0
3, 150	51	SW	8. 0
3, 330	53	SW	8. 5
3, 510	52	SW	8. 6
3, 690	54	SW	8. 7
3, 870	56	SW	9. 0

Disappearance: Distance.

No. 234. Sept. 22, 1929; 9h 05m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	42	SW	5. 4
216	27	SSW	10. 8
414	32	SSW	11. 2
612	57	WSW	7. 7
801	83	W	7. 0
990	76	WSW	7. 4
1, 170	75	WSW	6. 6
1, 350	83	W	5. 3
1, 530	91	W	5. 0
1, 710	90	W	5. 6
1, 890	78	WSW	6. 2
2, 070	72	WSW	7. 4
2, 250	76	WSW	7. 5
2, 430	76	WSW	5. 4
2, 610	92	W	4. 8
2, 790	111	WNW	5. 8
2, 970	118	WNW	6. 4
3, 150	120	WNW	6. 7
3, 330	119	WNW	7. 0
3, 510	121	WNW	6. 7
3, 690	122	WNW	6. 5
3, 870	118	WNW	7. 0
4, 050	111	WNW	7. 5
4, 230	111	WNW	8. 0
4, 410	115	WNW	8. 0
4, 590	116	WNW	8. 7
4, 770	115	WNW	9. 3
4, 950	117	WNW	9. 9
5, 130	117	WNW	10. 5
5, 310	117	WNW	9. 5
5, 490	124	NW	8. 5
5, 670	123	WNW	10. 3
5, 850	122	WNW	11. 2
6, 030	122	WNW	10. 4
6, 210	113	WNW	11. 0
6, 390	107	WNW	11. 7
6, 570	104	WNW	11. 9
6, 750	101	W	10. 5
6, 930	100	W	10. 6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 234—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,110	100	W	10.8
7,290	102	WNW	10.3
7,470	104	WNW	10.1
7,650	106	WNW	10.3
7,830	104	WNW	10.4
8,010	103	WNW	9.2
8,190	101	W	9.2
8,370	102	WNW	10.0
8,550	104	WNW	12.2
8,730	104	WNW	11.4
8,910	104	WNW	11.6
9,090	98	W	9.8
9,270	92	W	9.0
9,450	95	W	10.8
9,630	95	W	11.6

Disappearance: Burst.

No. 235. Sept. 24, 1929; 9h. Clouds: Few ASt SE, Few StCU SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	334	SSE	4.5
216	312	SE	10.6
414	317	SE	9.0
612	351	S	6.7
801	349	S	8.0
990	328	SSE	7.4
1,170	313	SE	7.2
1,350	308	SE	7.8
1,530	308	SE	7.9
1,710	310	SE	8.4
1,890	309	SE	8.0
2,070	310	SE	7.8
2,250	311	SE	8.1
2,430	312	SE	8.8
2,610	309	SE	9.1
2,790	306	SE	9.5
2,970	303	ESE	9.5
3,150	304	SE	10.1
3,330	305	SE	11.2
3,510	299	ESE	11.0
3,690	298	ESE	10.0
3,870	299	ESE	9.5
4,050	297	ESE	10.0
4,230	295	ESE	9.7
4,410	288	ESE	9.2
4,590	278	E	7.8
4,770	279	E	6.5
4,950	270	E	7.0
5,130	265	E	7.0
5,310	269	E	5.7
5,490	285	ESE	5.0
5,670	295	ESE	5.8
5,850	279	E	5.1
6,030	242	ENE	4.4
6,210	222	NE	4.1
6,390	216	NE	5.0
6,570	210	NNE	6.1
6,750	206	NNE	4.8
6,930	196	NNE	4.5
7,110	180	N	5.2
7,290	184	N	6.3
7,470	187	N	6.5
7,650	184	N	6.5
7,830	182	N	6.1
8,010	184	N	5.4
8,190	203	NNE	4.0

No. 235—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
8,370	228	NE	2.9
8,550	242	ENE	3.5
8,730	230	NE	3.8
8,910	215	NE	3.2
9,090	192	NNE	2.8
9,270	215	NE	3.1
9,450	256	ENE	7.5
9,630	257	ENE	12.0
9,810	258	ENE	12.4
9,990	279	E	14.0
10,170	279	E	16.3
10,350	272	E	16.7
10,530	266	E	15.0
10,710	257	ENE	17.8
10,890	248	ENE	17.8
11,070	245	ENE	16.0
11,250	246	ENE	17.8
11,430	243	ENE	19.0
11,610	239	ENE	17.0
11,790	248	ENE	20.1
11,970	255	ENE	24.0

Disappearance: Burst. ACu clouds forming overhead.

No. 236. Sept. 25, 1929; 17h 29m. Clouds: 10 ASt E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	286	ESE	5.4
216	314	SE	4.7
414	297	ESE	2.0
612	190	N	5.3
801	180	N	8.8
990	186	N	9.2
1,170	189	N	9.5
1,350	181	N	9.5
1,530	186	N	8.1
1,710	211	NNE	7.5
1,890	221	NE	9.6
2,070	221	NE	9.5
2,250	225	NE	7.3
2,430	228	NE	5.6
2,610	236	NE	5.2
2,790	248	ENE	6.3
2,970	265	E	7.6
3,150	276	E	10.1
3,330	277	E	10.5
3,510	279	E	10.3
3,690	279	E	10.2
3,870	275	E	9.4
4,050	271	E	8.0

Disappearance: Entered ASt, 4,050 m.

No. 237. Sept. 26, 1929; 9h 02m. Clouds: 4 ACu (N?). Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	357	S	4.0
216	308	SE	6.0
414	328	SSE	6.5
612	339	SSE	7.5
801	331	SSE	7.0
990	315	SE	6.3
1,170	309	SE	5.0
1,350	288	ESE	2.0

No. 237—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,530	215	NE	1.6
1,710	214	NE	2.6
1,890	214	NE	3.4
2,070	212	NNE	3.4
2,250	198	NNE	2.8
2,430	198	NNE	3.2
2,610	199	NNE	4.2
2,790	197	NNE	4.8
2,970	202	NNE	5.7
3,150	208	NNE	6.2
3,330	207	NNE	6.5
3,510	198	NNE	7.4
3,690	193	NNE	7.7
3,870	188	N	6.5
4,050	183	N	5.0
4,230	201	NNE	4.8
4,410	213	NNE	6.5
4,590	216	NE	7.3
4,770	227	NE	7.5
4,950	235	NE	7.8

Disappearance: (?).

No. 238. Sept. 26, 1929; 16h 41m. Clouds: Few Ci, 1 ASt. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	353	S	2.2
216	303	ESE	6.7
414	296	ESE	6.2
612	314	SE	5.5
801	322	SE	6.3
990	311	SE	6.1
1,170	302	ESE	5.2
1,350	277	E	5.1
1,530	267	E	5.3
1,710	258	ENE	6.2
1,890	247	ENE	8.0
2,070	247	ENE	7.5
2,250	242	ENE	6.3
2,430	231	NE	6.0
2,610	232	NE	6.0
2,790	232	NE	6.8
2,970	221	NE	6.8
3,150	212	NNE	6.4
3,330	214	NE	6.2
3,510	211	NNE	6.8
3,690	207	NNE	6.7
3,870	204	NNE	6.3
4,050	207	NNE	5.9
4,230	214	NE	6.5
4,410	223	NE	7.3
4,590	235	NE	7.5
4,770	241	ENE	7.2
4,950	250	ENE	8.1
5,130	261	E	10.2
5,310	266	E	11.0
5,490	265	E	9.6
5,670	261	E	9.1
5,850	263	E	9.9
6,030	266	E	10.0
6,210	270	E	10.1
6,390	276	E	10.5
6,570	282	ESE	10.0
6,750	286	ESE	9.2
6,930	287	ESE	8.8

Disappearance: Background.

No. 239. Sept. 27, 1929; 9h 58m. Clouds: Few Ci. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	34	SW	1.8
216	31	SSW	4.1
414	28	SSW	5.6
612	22	SSW	5.2
801	20	SSW	5.8
990	20	SSW	6.2
1,170	15	SSW	5.5
1,350	15	SSW	3.8
1,530	27	SSW	3.8
1,710	26	SSW	4.7
1,890	27	SSW	5.4
2,070	28	SSW	5.6
2,250	25	SSW	5.9
2,430	24	SSW	5.5
2,610	21	SSW	5.7
2,790	23	SSW	6.0
2,970	29	SSW	6.4
3,150	31	SSW	6.8
3,330	37	SW	6.3
3,510	37	SW	5.5
3,690	34	SW	5.3
3,870	31	SSW	5.0
4,050	28	SSW	5.4
4,230	30	SSW	5.5
4,410	26	SSW	5.0
4,590	13	SSW	4.9
4,770	2	S	4.5
4,950	358	S	4.2
5,130	353	S	4.4
5,310	345	SSE	4.0
5,490	324	SE	3.3
5,670	297	ESE	3.3
5,850	278	E	3.7
6,030	272	E	6.2
6,210	263	E	8.8
6,390	250	ENE	10.3
6,570	248	ENE	10.7
6,750	250	ENE	11.2
6,930	251	ENE	12.0
7,110	249	ENE	12.5
7,290	247	ENE	13.0
7,470	252	ENE	13.5
7,650	251	ENE	14.4
7,830	243	ENE	14.8
8,010	239	ENE	14.5
8,190	241	ENE	15.7
8,370	243	ENE	17.3
8,550	244	ENE	18.2
8,730	246	ENE	17.8
8,910	230	NE	16.0
9,090	239	ENE	16.8
9,270	247	ENE	15.5
9,450	249	ENE	12.4
9,630	252	ENE	12.5
9,810	253	ENE	13.5
9,990	258	ENE	11.3
10,170	274	E	10.2
10,350	284	ESE	11.2

Disappearance: Bursting.

No. 240. Sept. 27, 1929; 17h 43m. Clouds: Few Ci Few St SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	62	WSW	2.7
216	32	SSW	8.4
414	46	SW	9.1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 240—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	56	SW	9. 8
801	55	SW	11. 5
990	55	SW	11. 0
1, 170	51	SW	9. 7
1, 350	48	SW	10. 2
1, 530	46	SW	11. 1
1, 710	43	SW	10. 1
1, 890	39	SW	8. 6
2, 070	41	SW	8. 0
2, 250	44	SW	8. 2
2, 430	40	SW	8. 7
2, 610	36	SW	9. 6
2, 790	37	SW	9. 7
2, 970	37	SW	8. 7
3, 150	39	SW	7. 8
3, 330	39	SW	8. 2
3, 510	39	SW	8. 6
3, 690	38	SW	8. 5
3, 870	38	SW	8. 0
4, 050	42	SW	7. 9
4, 230	43	SW	7. 2

Disappearance: Background.

No. 241. Sept. 28, 1929; 10h 10m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	28	SSW	4. 5
216	17	SSW	8. 5
414	15	SSW	9. 8
612	14	SSW	9. 9
801	18	SSW	10. 5
990	18	SSW	10. 3
1, 170	18	SSW	10. 5
1, 350	21	SSW	9. 9
1, 530	22	SSW	11. 7
1, 710	22	SSW	14. 0
1, 890	24	SSW	13. 3
2, 070	21	SSW	12. 5
2, 250	16	SSW	13. 8
2, 430	16	SSW	14. 3
2, 610	14	SSW	15. 3
2, 790	7	S	16. 7
2, 970	2	S	16. 5
3, 150	1	S	16. 5
3, 330	0	S	17. 5
3, 510	0	S	19. 5
3, 690	358	S	19. 8
3, 870	358	S	18. 2
4, 050	355	S	17. 0
4, 230	354	S	16. 0
4, 410	357	S	17. 0
4, 590	3	S	16. 0
4, 770	8	S	13. 8
4, 950	12	SSW	14. 0
5, 130	12	SSW	16. 0
5, 310	10	S	16. 0
5, 490	11	S	16. 2
5, 670	13	SSW	16. 0
5, 850	13	SSW	14. 0
6, 030	11	S	14. 8
6, 210	10	S	14. 0
6, 390	12	SSW	14. 0
6, 570	13	SSW	13. 2
6, 750	15	SSW	11. 4
6, 930	17	SSW	12. 0
7, 110	23	SSW	12. 2
7, 290	28	SSW	11. 8
7, 470	19	SSW	12. 8
7, 650	13	SSW	12. 0

No. 241—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7, 830	22	SSW	11. 2
8, 010	26	SSW	13. 0
8, 190	22	SSW	15. 0
8, 370	24	SSW	16. 4
8, 550	27	SSW	18. 0
8, 730	22	SSW	18. 4
8, 910	22	SSW	20. 4

Disappearance: Distance.

No. 242. Sept. 29, 1929; 9h 02m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	353	S	1. 3
216	318	SE	1. 3
414	23	SSW	3. 0
612	13	SSW	3. 9
801	8	S	4. 8
990	9	S	6. 2
1, 170	6	S	8. 5
1, 350	3	S	10. 3
1, 530	6	S	10. 8
1, 710	8	S	11. 5
1, 890	5	S	10. 8
2, 070	359	S	9. 7
2, 250	359	S	8. 8
2, 430	0	S	8. 3
2, 610	358	S	8. 0
2, 790	357	S	7. 1
2, 970	3	S	6. 8
3, 150	7	S	7. 5
3, 330	5	S	8. 2
3, 510	5	S	8. 6
3, 690	5	S	9. 0
3, 870	8	S	9. 0
4, 050	11	S	9. 4
4, 230	12	SSW	10. 7
4, 410	13	SSW	11. 6
4, 590	16	SSW	12. 3
4, 770	20	SSW	12. 8
4, 950	20	SSW	13. 4
5, 130	16	SSW	13. 8

Disappearance: (?).

No. 243. Sept. 29, 1929; 16h 52m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	336	SSE	2. 7
216	280	E	5. 0
414	267	E	4. 0
612	307	SE	3. 4
801	345	SSE	5. 0
990	349	S	5. 8
1, 170	340	SSE	6. 5
1, 350	331	SSE	7. 6
1, 530	330	SSE	7. 9
1, 710	333	SSE	7. 5
1, 890	337	SSE	7. 2
2, 070	336	SSE	7. 0
2, 250	341	SSE	6. 3
2, 430	355	S	6. 9
2, 610	359	S	8. 3
2, 790	0	S	8. 5
2, 970	1	S	8. 4
3, 150	359	S	8. 6
3, 330	357	S	8. 3
3, 510	349	S	8. 5
3, 690	344	SSE	9. 6

No. 243—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 870	348	SSE	10. 0
4, 050	354	S	9. 6
4, 230	354	S	9. 8
4, 410	350	S	10. 1
4, 590	348	SSE	9. 5
4, 770	344	SSE	9. 0
4, 950	342	SSE	8. 4
5, 130	354	S	6. 6
5, 310	10	S	5. 5
5, 490	15	SSW	5. 0
5, 670	18	SSW	5. 2
5, 850	14	SSW	6. 4
6, 030	11	S	7. 5
6, 210	11	S	8. 5
6, 390	14	SSW	7. 7
6, 570	22	SSW	7. 0
6, 750	38	SW	7. 9
6, 930	42	SW	8. 6
7, 110	30	SSW	11. 5
7, 390	29	SSW	10. 6
7, 470	34	SW	9. 0

Disappearance: Distance and background.

No. 244. Sept. 30, 1929; 9h 49m. Clouds: 9 St N. Vis.: 3. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	266	E	6. 3
216	185	N	9. 8
414	173	N	9. 1
513	174	N	6. 5

Disappearance: Entered St, 513 m.

No. 245. Oct. 1, 1929; 15h 05m. Clouds: 10 StCu ENE. Vis.: 3. Lt. snow and lt. drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	6. 7
216	244	ENE	6. 1
414	212	NNE	5. 8
612	216	NE	6. 0
801	227	NE	6. 0
990	231	NE	5. 6
1, 170	236	NE	6. 3
1, 305	237	ENE	7. 0

Disappearance: Entered StCu, 1,305 m.

No. 246. Oct. 2, 1929; 8h 38m. Clouds: 3 CiSt, 2 ASt ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	67	WSW	2. 7
216	5	S	2. 5
414	352	S	1. 6
612	355	S	3. 5
801	1	S	4. 8
990	357	S	5. 5
1, 170	347	SSE	6. 5
1, 350	342	SSE	7. 9
1, 530	334	SSE	9. 0

No. 246—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 710	332	SSE	10. 6
1, 890	332	SSE	12. 0
2, 070	325	SE	11. 8
2, 250	315	SE	8. 5
2, 430	307	SE	4. 5
2, 610	306	SE	3. 0
2, 790	305	SE	3. 8
2, 970	311	SE	5. 4
3, 150	324	SE	6. 8
3, 330	324	SE	7. 1
3, 510	318	SE	7. 5
3, 690	318	SE	8. 3
3, 870	308	SE	8. 2
4, 050	298	ESE	8. 3
4, 230	294	ESE	8. 2
4, 410	294	ESE	7. 4
4, 590	293	ESE	7. 3
4, 770	293	ESE	7. 9

Disappearance: (?). Cleared rapidly after observation was started.

No. 247. Oct. 2, 1929; 17h 18m. Clouds: 7 StCu SSW. Vis.: 6. Sun pillar and parhelia

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	43	SW	3. 1
216	9	S	5. 4
414	357	S	4. 4
612	6	S	4. 7
801	13	SSW	5. 1
990	21	SSW	6. 0
1, 170	21	SSW	7. 6
1, 350	15	SSW	8. 3
1, 530	16	SSW	8. 3
1, 710	17	SSW	8. 4

Disappearance: Entered StCu. 1,710 m.

No. 248. Oct. 3, 1929; 10h 09m. Clouds: 0. Vis.: 09

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	48	SW	1. 3
216	77	WSW	4. 2
414	80	W	7. 8
612	70	WSW	8. 0
801	56	SW	8. 1
990	44	SW	7. 2
1, 170	34	SW	5. 6
1, 350	32	SSW	5. 0
1, 530	33	SSW	4. 8
1, 710	32	SSW	4. 4
1, 890	31	SSW	4. 9
2, 070	33	SSW	5. 0
2, 250	37	SW	4. 2
2, 430	18	SSW	4. 7
2, 610	11	S	5. 7
2, 790	21	SSW	6. 3
2, 970	26	SSW	6. 7
3, 150	27	SSW	6. 2
3, 330	30	SSW	6. 4
3, 510	35	SW	7. 3
3, 690	36	SW	7. 5
3, 870	34	SW	7. 8
4, 050	30	SSW	8. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 248—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 230	28	SSW	8. 4
4, 410	35	SW	7. 7
4, 590	40	SW	8. 7
4, 770	44	SW	9. 5
4, 950	52	SW	8. 2
5, 130	51	SW	7. 9
5, 310	51	SW	8. 4
5, 490	50	SW	8. 2
5, 670	58	WSW	6. 0
5, 850	63	WSW	6. 5
6, 030	59	WSW	7. 8
6, 210	60	WSW	7. 0
6, 390	64	WSW	6. 2
6, 570	82	W	5. 8
6, 750	88	W	6. 2
6, 930	88	W	6. 3
7, 110	90	W	7. 2
7, 290	91	W	8. 7
7, 470	84	W	11. 2
7, 650	83	W	13. 6
7, 830	85	W	14. 4
8, 010	85	W	15. 0

Disappearance: Bursting.

No. 249. Oct. 3, 1929; 17h 37m.
Clouds: Few ASt SW. Vis.: 9

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	69	WSW	3. 1
216	34	SW	7. 1
414	39	SW	8. 2
612	34	SW	9. 2
801	27	SSW	12. 0
990	24	SSW	12. 8
1, 170	22	SSW	12. 5
1, 350	26	SSW	13. 6
1, 530	28	SSW	14. 8
1, 710	28	SSW	15. 2
1, 890	32	SSW	15. 0
2, 070	36	SW	14. 8

Disappearance: Background.

No. 250. Oct. 4, 1929; 7h 52m.
Clouds: 0. Vis.: 9

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	73	WSW	2. 7
216	37	SW	6. 7
414	37	SW	9. 3
612	39	SW	10. 7
801	38	SW	12. 8
990	41	SW	14. 0
1, 170	41	SW	13. 5
1, 350	41	SW	13. 5
1, 530	44	SW	13. 5
1, 710	48	SW	13. 5
1, 890	45	SW	14. 2
2, 070	42	SW	12. 3
2, 250	53	SW	9. 3
2, 430	69	WSW	6. 3
2, 610	95	W	4. 0
2, 790	125	NW	4. 3
2, 970	133	NW	4. 2
3, 150	141	NW	4. 6
3, 330	154	NNW	5. 6
3, 510	159	NNW	5. 5
3, 690	161	NNW	5. 2
3, 870	159	NNW	5. 2

No. 250—Continued

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
4, 050	153	NNW	5. 7
4, 230	149	NNW	6. 2
4, 410	144	NW	6. 0
4, 590	147	NNW	5. 8
4, 770	154	NNW	6. 2
4, 950	153	NNW	6. 8
5, 130	144	NW	7. 7
5, 310	143	NW	8. 3
5, 490	140	NW	9. 8
5, 670	134	NW	10. 8
5, 850	130	NW	12. 0
6, 030	127	NW	13. 5
6, 210	126	NW	13. 6
6, 390	124	NW	15. 7
6, 570	124	NW	17. 0
6, 750	121	WNW	18. 3
6, 930	120	WNW	19. 5
7, 110	124	NW	18. 6
7, 290	122	WNW	19. 3
7, 470	120	WNW	19. 8
7, 650	115	WNW	21. 0
7, 830	115	WNW	23. 0
8, 010	116	WNW	22. 4
8, 190	116	WNW	20. 0

Disappearance: Bursting (?).

No. 251. Oct. 4, 1929; 17h 22m.
Clouds: 0. Vis.: 9

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	Calm	--------	Calm
216	86	W	5. 5
414	90	W	9. 4
612	89	W	8. 0
801	84	W	7. 1
990	84	W	6. 2
1, 170	96	W	5. 0
1, 350	117	WNW	5. 0
1, 530	127	NW	5. 9
1, 710	131	NW	6. 2
1, 890	123	WNW	6. 2
2, 070	105	WNW	5. 5
2, 250	100	W	4. 8
2, 430	128	NW	5. 1
2, 610	143	NW	6. 8
2, 790	142	NW	8. 4
2, 970	143	NW	8. 9
3, 150	142	NW	9. 5
3, 330	143	NW	9. 7
3, 510	147	NNW	9. 5
3, 690	148	NNW	10. 4
3, 870	149	NNW	10. 0
4, 050	149	NNW	10. 8
4, 230	146	NNW	11. 8
4, 410	140	NW	12. 1
4, 590	141	NW	12. 2
4, 770	139	NW	12. 5
4, 950	138	NW	12. 9
5, 130	140	NW	14. 6
5, 310	143	NW	15. 5
5, 490	144	NW	16. 2
5, 670	145	NW	16. 2
5, 850	144	NW	17. 0
6, 030	144	NW	18. 8
6, 210	142	NW	18. 6
6, 390	138	NW	19. 2
6, 570	138	NW	18. 0
6, 750	137	NW	18. 0
6, 930	136	NW	20. 0
7, 110	136	NW	18. 4

No. 251—Continued

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
7, 290	139	NW	19. 4
7, 470	140	NW	19. 4
7, 650	142	NW	17. 0
7, 830	144	NW	16. 0
8, 010	146	NW	15. 8
8, 190	145	NW	16. 0
8, 370	146	NW	15. 6
8, 550	148	NNW	15. 8
8, 730	147	NNW	16. 0
8, 910	147	NNW	17. 0
9, 090	146	NW	18. 4
9, 270	146	NW	20. 0
9, 450	145	NW	20. 0

Disappearance: Distance.

No. 252. Oct. 5, 1929; 8h 21m.
Clouds: 9 CiSt. Vis.: 6.
Bright 22° halo

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	293	ESE	3. 1
216	302	ESE	6. 9
414	316	SE	5. 0
612	308	SE	3. 5
801	274	E	2. 8
990	247	ENE	4. 1
1, 170	244	ENE	5. 5
1, 350	248	ENE	5. 8
1, 530	250	ENE	5. 9
1, 710	248	ENE	5. 0
1, 890	231	NE	4. 9
2, 070	216	NE	5. 8
2, 250	211	NNE	6. 3
2, 430	208	NNE	7. 5
2, 610	207	NNE	8. 5
2, 790	207	NNE	8. 7

Disappearance: Lost from field.

No. 253. Oct. 5, 1929; 18h 36m.
Clouds: 10 ASt E. Vis.: 5

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	26	SSW	1. 3
216	324	SE	9. 3
414	304	SE	13. 0
612	286	ESE	10. 8
801	282	ESE	9. 2
990	281	ESE	7. 9
1, 170	280	E	6. 6
1, 350	268	E	6. 2
1, 530	270	E	7. 2
1, 710	269	E	8. 6
1, 890	264	E	9. 8
2, 025	263	E	10. 0

Disappearance: Entered ASt, 2025 m.

No. 254. Oct. 6, 1929; 8h 38m.
Clouds: 10 StCu SE. Vis.: 4.
Lt. drift

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	24	SSW	5. 4
216	328	SSE	9. 2
414	313	SE	13. 1

No. 254—Continued

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
612	306	SE	16. 7
801	299	ESE	18. 5
990	293	ESE	19. 1
1, 170	285	ESE	16. 2
1, 350	283	ESE	13. 9
1, 530	291	ESE	11. 8
1, 710	300	ESE	9. 2
1, 890	303	ESE	10. 0
2, 070	308	SE	11. 1
2, 250	310	SE	11. 8

Disappearance: Entered StCu, 2,250 m.

No. 255. Oct. 6, 1929; 17h 24m.
Clouds: 9 CiSt (E?). Vis.: 6

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	10	S	2. 2
216	352	S	6. 9
414	336	SSE	5. 6
612	329	SSE	4. 8
801	334	SSE	4. 0
990	345	SSE	2. 7
1, 170	320	SE	1. 7
1, 350	306	SE	3. 3
1, 530	312	SE	5. 1
1, 710	303	ESE	5. 6
1, 890	289	ESE	6. 0
2, 070	294	ESE	5. 3
2, 250	306	SE	5. 3
2, 430	303	ESE	5. 7
2, 610	303	ESE	6. 3
2, 790	302	ESE	7. 5
2, 970	303	ESE	8. 3
3, 150	307	SE	8. 2
3, 330	306	SE	8. 0
3, 510	304	SE	8. 3

Disappearance: (?).

No. 256. Oct. 7, 1929; 17h 13m.
Clouds: 7 St NNE. Vis.: 8

Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	226	NE	5. 8
216	205	NNE	7. 0
414	191	N	6. 3
612	193	NNE	8. 0
801	198	NNE	10. 2
990	196	NNE	10. 5
1, 170	187	N	10. 2
1, 350	186	N	10. 2
1, 530	187	N	9. 0
1, 710	192	NNE	7. 3
1, 890	203	NNE	7. 6
2, 070	205	NNE	8. 5
2, 250	205	NNE	8. 6
2, 430	204	NNE	8. 3
2, 610	206	NNE	8. 7
2, 790	207	NNE	9. 2
2, 970	208	NNE	8. 8
3, 150	207	NNE	7. 3
3, 330	211	NE	5. 2
3, 510	223	ENE	4. 4
3, 690	237	NE	4. 7
3, 870	236	ENE	4. 5
4, 050	237	NE	4. 0
4, 230	234	NE	4. 6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 256—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,410	233	NE	4.8
4,590	232	NE	3.5
4,770	227	NE	2.6
4,950	250	ENE	2.3
5,130	270	E	1.8

Disappearance: (?). Entered St, 486 m.

No. 257. Oct. 8, 1929; 18h 52m. Clouds: 10 St NE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	5.4
216	204	NNE	6.8
414	194	NNE	7.8
612	206	NNE	6.0
657	220	NE	4.7

Disappearance: Entered St, 657.

No. 258. Oct. 9, 1929; 18h 30m. Clouds: 1 ASt (S?), Few St SSW. Vis.: 6. Heavy shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	3.1
216	19	SSW	10.7
414	18	SSW	12.4
612	21	SSW	13.2
801	22	SSW	11.7
990	26	SSW	9.5
1,170	22	SSW	9.5
1,350	17	SSW	9.3
1,530	4	S	8.8
1,710	6	S	9.0
1,890	6	S	8.7
2,070	5	S	8.2
2,250	10	S	9.7
2,430	13	SSW	10.7
2,610	10	S	11.2
2,790	7	S	12.0
2,970	6	S	11.0
3,150	6	S	10.4

Disappearance: Background. Very brilliant parhelia (22°) and upper tangent arc; pillar opposite sun; faint 45° arc of 46° halo.

No. 259. Oct. 10, 1929; 17h 50m. Clouds: Few St. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	86	W	3.1
216	233	NE	4.5
414	301	ESE	4.5
612	282	ESE	4.6
801	263	E	6.5
990	257	ENE	7.0
1,170	271	E	5.4
1,350	300	ESE	4.3
1,530	339	SSE	6.0
1,710	352	S	8.7
1,890	357	S	9.8
2,070	4	S	10.2

No. 259—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,250	10	S	10.0
2,430	6	S	10.5
2,610	5	S	10.6
2,790	5	S	11.3
2,970	7	S	11.7
3,150	10	S	11.7
3,330	10	S	11.8
3,510	9	S	11.4
3,690	8	S	11.7
3,870	8	S	12.2
4,050	11	S	11.2
4,230	10	S	11.8
4,410	9	S	12.0
4,590	9	S	11.0
4,770	7	S	11.5
4,950	3	S	11.4
5,130	2	S	11.5
5,310	2	S	11.5
5,490	1	S	10.7
5,670	2	S	11.0
5,850	1	S	11.2
6,030	359	S	11.3
6,210	356	S	11.5
6,390	352	S	9.5
6,570	341	SSE	7.5
6,750	331	SSE	8.3
6,930	328	SSE	8.4
7,110	325	SE	9.2
7,290	325	SE	9.2
7,470	326	SE	8.8
7,650	324	SE	8.0
7,830	329	SSE	8.8
8,010	340	SSE	9.0
8,190	353	S	10.0
8,370	1	S	11.4
8,550	1	S	11.8
8,730	359	S	12.0
8,910	359	S	11.0
9,090	0	S	12.0
9,270	358	S	12.6

Disappearance: Distance.

No. 260. Oct. 11, 1929; 10h 47m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	26	SSW	6.7
216	35	SW	10.6
414	17	SSW	11.3
612	351	S	9.0
801	333	SSE	7.5
990	348	SSE	8.7
1,170	355	S	10.7
1,350	353	S	10.5
1,530	346	SSE	7.8
1,710	343	SSE	6.2
1,890	344	SSE	7.0
2,070	342	SSE	8.8
2,250	339	SSE	8.8
2,430	341	SSE	8.6
2,610	338	SSE	8.8
2,790	334	SSE	8.5
2,970	334	SSE	9.3
3,150	333	SSE	10.0
3,330	327	SSE	9.3
3,510	330	SSE	9.0
3,690	329	SSE	8.7
3,870	325	SE	8.7
4,050	327	SSE	9.9
4,230	329	SSE	9.0

No. 260—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,410	335	SSE	10.0
4,590	339	SSE	11.5
4,770	343	SSE	10.7
4,950	345	SSE	10.9
5,130	346	SSE	10.5
5,310	348	SSE	10.3
5,490	350	S	10.3
5,670	352	S	11.7
5,850	355	S	13.0
6,030	355	S	13.4
6,210	357	S	12.2
6,390	357	S	11.6
6,570	1	S	13.0
6,750	4	S	14.0

Disappearance: Sun. Shower of ice crystals at 11h 05m. 22° halo and upper tangent arc; faint parhelia.

No. 261. Oct. 11, 1929; 18h 08m. Clouds: 3 Ci, Few St Cu S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	28	SSW	2.7
216	286	ESE	4.0
414	303	ESE	2.7
612	359	S	5.2
801	0	S	6.7
990	14	SSW	6.2
1,170	13	SSW	6.9
1,350	0	S	7.7
1,530	353	S	8.8
1,710	353	S	9.0
1,890	356	S	8.2
2,070	359	S	8.3
2,250	359	S	8.5

Disappearance: Background.

No. 262. Oct. 12, 1929; 19h 04m. Clouds: 1 StCu E. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	294	ESE	4.5
216	303	ESE	8.6
414	299	ESE	5.8
612	278	E	3.2
801	247	ENE	3.0
990	270	E	6.2
1,170	275	E	9.7
1,350	276	E	10.8
1,530	278	E	11.5
1,710	271	E	12.3
1,890	262	E	12.1
2,070	259	E	10.8
2,250	257	ENE	10.4
2,430	253	ENE	10.7
2,610	256	ENE	12.0
2,790	262	E	12.6
2,970	264	E	12.4
3,150	262	E	12.5
3,330	262	E	12.6

Disappearance: (?). Blizzard just ended.

No. 263. Oct. 13, 1929; 9h 23m. Clouds: 8 CiSt ESE. Vis.: 8. 22° halo; very bright

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	349	S	1.8
216	327	SSE	0.6
414	350	S	2.2
612	353	S	3.5
801	348	SSE	3.4
990	337	SSE	3.6
1,170	327	SSE	3.7
1,350	310	SE	3.7
1,530	302	ESE	4.5
1,710	304	SE	5.1
1,890	302	ESE	6.3
2,070	299	ESE	7.5
2,250	296	ESE	8.0
2,430	289	ESE	8.1
2,610	283	ESE	7.9
2,790	286	ESE	8.5
2,970	292	ESE	10.2
3,150	292	ESE	11.0
3,330	287	ESE	11.1
3,510	288	ESE	10.9
3,690	290	ESE	10.8

Disappearance: Behind CiSt. Balloon entered CiSt at 2,790 m.

No. 264. Oct. 13, 1929; 18h 17m. Clouds: 2 Ci (ESE?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	40	SW	2.7
216	310	SE	5.1
414	299	ESE	3.3
612	291	ESE	2.7
801	295	ESE	3.7
990	298	ESE	4.4
1,170	309	SE	5.7
1,350	305	SE	6.8
1,530	294	ESE	6.8
1,710	296	ESE	7.9
1,890	298	ESE	9.8
2,070	294	ESE	11.6
2,250	291	ESE	13.5
2,430	289	ESE	14.2
2,610	286	ESE	14.5
2,790	287	ESE	15.2
2,970	289	ESE	15.7
3,150	286	ESE	16.3
3,330	281	E	16.5
3,510	281	E	17.6
3,690	284	ESE	19.0
3,870	286	ESE	19.5
4,050	288	ESE	21.5
4,230	285	ESE	23.4
4,410	286	ESE	23.0
4,590	287	ESE	23.7
4,770	285	ESE	24.0
4,950	284	ESE	24.6
5,130	285	ESE	25.4
5,310	284	ESE	26.0
5,490	283	ESE	26.2
5,670	283	ESE	26.0
5,850	283	ESE	26.0

Disappearance: Local smoke.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 265. Oct. 14, 1929; 9h 01m. Clouds: 2 Ci ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	----------	Calm
216	245	ENE	3. 2
414	207	NNE	3. 5
612	204	NNE	3. 0
801	152	NNW	1. 7
990	69	WSW	1. 9
1, 170	62	WSW	1. 1
1, 350	236	NE	2. 0
1, 530	245	ENE	2. 9
1, 710	266	E	4. 7
1, 890	272	E	8. 4
2, 070	281	E	11. 5
2, 250	286	ESE	13. 2
2, 430	288	ESE	13. 3
2, 610	292	ESE	13. 9
2, 790	295	ESE	14. 8
2, 970	293	ESE	14. 6
3, 150	288	ESE	15. 0
3, 330	286	ESE	16. 5
3, 510	287	ESE	18. 0
3, 690	287	ESE	18. 8
3, 870	289	ESE	19. 4
4, 050	291	ESE	20. 0
4, 230	289	ESE	20. 7
4, 410	289	ESE	23. 0
4, 590	287	ESE	25. 0

Disappearance: Against Ci.

No. 266. Oct. 15, 1929; 11h 03m. Clouds: 2 St SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	305	SE	3. 1
216	327	SSE	5. 5
414	336	SSE	6. 9
612	315	SE	8. 8
801	295	ESE	10. 7
990	284	ESE	10. 8
1, 170	286	ESE	10. 7
1, 350	286	ESE	11. 1
1, 530	285	ESE	10. 5
1, 710	284	ESE	9. 0
1, 890	291	ESE	9. 0
2, 070	290	ESE	9. 2
2, 250	283	ESE	9. 7
2, 430	280	E	10. 0
2, 610	278	E	10. 0
2, 790	273	E	10. 0
2, 970	270	E	10. 2
3, 150	272	E	11. 2
3, 330	276	E	12. 8
3, 510	277	E	11. 0
3, 690	277	E	10. 0
3, 870	278	E	12. 5
4, 050	278	E	14. 0
4, 230	280	E	15. 0
4, 410	283	ESE	16. 2
4, 590	284	ESE	16. 4
4, 770	283	ESE	17. 7
4, 950	285	ESE	18. 6
5, 130	286	ESE	19. 0
5, 310	284	ESE	19. 0
5, 490	284	ESE	19. 0
5, 670	285	ESE	19. 0
5, 850	283	ESE	20. 0
6, 030	284	ESE	21. 8

No. 266—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6, 210	284	ESE	21. 0
6, 390	284	ESE	21. 0
6, 570	285	ESE	21. 4
6, 750	285	ESE	20. 8
6, 930	285	ESE	22. 0

Disappearance: Distance.

No. 267. Oct. 15, 1929; 17h 43m. Clouds: Few Ci ENE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	305	SE	2. 2
216	309	SE	5. 8
414	321	SE	9. 2
612	321	SE	12. 6
801	325	SE	12. 5
990	326	SE	12. 5
1, 170	329	SSE	11. 5
1, 350	322	SE	10. 9
1, 530	307	SE	11. 4
1, 710	302	ESE	12. 0
1, 890	301	ESE	12. 0
2, 070	299	ESE	11. 8
2, 250	296	ESE	12. 3
2, 430	298	ESE	12. 2
2, 610	301	ESE	13. 4
2, 790	295	ESE	12. 2
2, 970	290	ESE	11. 5
3, 150	290	ESE	10. 8
3, 330	288	ESE	8. 5
3, 510	283	ESE	8. 7
3, 690	281	E	10. 8
3, 870	283	ESE	11. 2
4, 050	287	ESE	11. 8
4, 230	288	ESE	12. 5
4, 410	277	E	12. 7
4, 590	272	E	12. 5
4, 770	269	E	11. 0
4, 950	256	E	9. 0
5, 130	252	ENE	8. 5
5, 310	257	ENE	10. 0
5, 490	256	ENE	9. 0
5, 670	250	ENE	8. 0
5, 850	257	ENE	8. 5
6, 030	259	E	9. 4
6, 210	252	ENE	9. 6
6, 390	252	ENE	10. 0
6, 570	249	ENE	11. 0
6, 750	249	ENE	10. 4
6, 930	250	ENE	11. 4
7, 110	249	ENE	10. 2
7, 290	253	ENE	9. 8
7, 470	263	E	9. 0
7, 650	269	E	9. 8
7, 830	263	E	11. 2
8, 010	260	E	13. 3

Disappearance: Distance.

No. 268. Oct. 16, 1929; 9h 15m. Clouds: 1 Ci SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	295	ESE	6. 3
414	292	ESE	6. 7
612	302	ESE	3. 2
801	323	SE	1. 7

No. 268—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	308	SE	1. 8
1, 170	303	ESE	2. 7
1, 350	303	ESE	3. 1
1, 530	297	ESE	4. 9
1, 710	298	ESE	6. 7
1, 890	300	ESE	7. 0
2, 070	298	ESE	7. 5
2, 250	293	ESE	8. 0
2, 430	300	ESE	7. 3
2, 610	307	SE	7. 7
2, 790	301	ESE	8. 3
2, 970	297	ESE	7. 8
3, 150	305	SE	8. 4
3, 330	318	SE	9. 6
3, 510	325	SE	10. 5
3, 690	323	SE	10. 2
3, 870	319	SE	9. 8
4, 050	312	SE	9. 8
4, 230	306	SE	10. 5
4, 410	306	SE	10. 5
4, 590	309	SE	9. 7
4, 770	309	SE	9. 8
4, 950	307	SE	10. 1
5, 130	306	SE	10. 5
5, 310	305	SE	10. 9
5, 490	307	SE	10. 5
5, 670	314	SE	11. 0
5, 850	317	SE	11. 7
6, 030	320	SE	11. 5
6, 210	323	SE	10. 8
6, 390	325	SE	11. 4
6, 570	326	SE	12. 2
6, 750	322	SE	11. 7
6, 930	325	SE	11. 8
7, 110	326	SE	12. 0
7, 290	325	SE	13. 4
7, 470	319	SE	13. 4
7, 650	309	SE	12. 0
7, 830	305	SE	12. 0
8, 010	303	ESE	11. 8
8, 190	304	SE	12. 2
8, 370	304	SE	17. 8
8, 550	303	ESE	19. 6
8, 730	305	SE	22. 0
8, 910	305	SE	21. 0
9, 090	305	SE	18. 0

Disappearance: Bursting.

No. 269. Oct. 16, 1929; 18h 57m. Clouds: 9 (ASt?) NNW. Vis.: 9. Water sky in north

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	12	SSW	4. 0
216	259	E	2. 4
414	178	N	4. 4
612	152	NNW	9. 2
801	147	NNW	13. 5
990	149	NNW	11. 8
1, 080	150	NNW	15. 5

Disappearance: Entered ASt, 1,080 m. Clouds drifted in from NE although movement was SE during afternoon. Clouds changed to NW after observation was started.

No. 270. Oct. 18, 1929; 8h 37m. Clouds: 3 St ESE. Vis.: 9.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	272	E	1. 8
216	294	ESE	8. 8
414	288	ESE	11. 0
612	284	ESE	13. 5
801	282	ESE	13. 7
990	278	E	13. 3
1, 170	277	E	11. 2
1, 350	286	ESE	8. 2
1, 530	288	ESE	7. 5
1, 710	263	E	7. 6
1, 890	231	NE	7. 5
2, 070	211	NNE	8. 7
2, 250	204	NNE	9. 8
2, 430	200	NNE	10. 2
2, 610	200	NNE	9. 9
2, 790	203	NNE	9. 0
2, 970	197	NNE	9. 2
3, 150	193	NNE	9. 8
3, 330	194	NNE	9. 8
3, 510	193	NNE	9. 9
3, 690	190	N	9. 5
3, 870	189	N	9. 5
4, 050	185	N	8. 9
4, 230	190	N	10. 0
4, 410	191	N	10. 5
4, 590	187	N	9. 8
4, 770	190	N	9. 1
4, 950	195	NNE	8. 5
5, 130	198	NNE	9. 0
5, 310	197	NNE	9. 0
5, 490	195	NNE	8. 2
5, 670	189	N	8. 8
5, 850	185	N	9. 1
6, 030	189	N	8. 5
6, 210	193	NNE	7. 8
6, 390	187	N	7. 4
6, 570	176	N	7. 3
6, 750	175	N	7. 4
6, 930	182	N	7. 2
7, 110	184	N	6. 7
7, 290	178	N	7. 0

Disappearance: Behind St. Clouds increasing rapidly 8 St at 9h 18m.

No. 271. Oct. 19, 1929; 8h 55m. Clouds: 10 St NNE. Vis.: 5. Lt. drift, water sky

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	7. 1
216	261	E	5. 4
414	212	NNE	3. 2
612	210	NNE	4. 3
801	206	NNE	5. 7
923	199	NNE	6. 0

Disappearance: Entered St, 923 m.

No. 272. Oct. 21, 1929; 9h 02m. Clouds: 4 CiSt (NW?), 3 ASt (NW?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	315	SE	8. 1
216	296	ESE	14. 4
414	290	ESE	17. 0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 272—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	296	ESE	11.8
801	305	SE	8.3
990	317	SE	6.9
1,170	319	SE	4.5
1,350	326	SE	2.3
1,530	348	SSE	1.7
1,710	30	SSW	0.6
1,890	97	W	1.7
2,070	106	WNW	2.2
2,250	106	WNW	2.5
2,430	100	W	2.8
2,610	97	W	3.3
2,790	104	WNW	4.0
2,970	110	WNW	4.8
3,150	107	WNW	5.0
3,330	107	WNW	4.7
3,510	113	WNW	4.5
3,690	118	WNW	4.5
3,870	117	WNW	4.3
4,050	119	WNW	4.3
4,230	122	WNW	4.5
4,410	122	WNW	4.4
4,590	129	NW	3.7
4,770	146	NW	3.2
4,950	148	NNW	3.0
5,130	137	NW	2.4
5,310	132	NW	3.7
5,490	131	NW	3.8
5,670	133	NW	5.0
5,850	132	NW	5.7
6,030	127	NW	5.8
6,210	125	NW	5.9
6,390	129	NW	6.2
6,570	125	NW	6.7
6,750	113	WNW	7.2
6,930	116	WNW	7.8
7,110	122	WNW	7.7
7,290	116	WNW	7.0
7,470	114	WNW	6.4

Disappearance: Bursting.

No. 273. Oct. 22, 1929; 13h 14m. Clouds: 7 CiSt S, 2 StCu S. Vis.: 7. 22° solar halo and parhelia

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	18	SSW	7.1
216	3	S	11.4
414	353	S	12.3
612	349	S	12.4
801	347	SSE	12.4
990	341	SSE	11.4
1,170	347	SSE	9.0
1,350	2	S	8.0
1,530	359	S	8.5
1,710	349	S	8.8
1,890	342	SSE	8.8
2,070	346	SSE	9.1
2,250	331	SSE	8.7
2,430	330	SSE	8.1
2,610	336	SSE	7.2
2,790	347	SSE	6.3
2,970	350	S	6.5

Disappearance: Bursting.

No. 274. Oct. 22, 1929; 18h 51m. Clouds: 9 CiSt S. Vis.: 8. 22° halo, and faint parhelia

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	5.4
216	41	SW	10.2
414	39	SW	12.5
612	32	SSW	9.5
801	5	S	6.1
990	355	S	6.1
1,170	3	S	7.3
1,350	9	S	8.9
1,530	1	S	8.5
1,710	336	SSE	7.1
1,890	322	SE	6.5
2,070	323	SE	5.7
2,250	327	SE	5.5
2,430	323	SE	5.9
2,610	327	SE	6.6
2,790	342	SSE	6.4
2,970	341	SSE	6.2
3,150	337	SSE	5.1
3,330	353	S	5.4
3,510	4	S	6.3
3,690	4	S	6.4
3,870	5	S	6.5

Disappearance: Entered CiSt, 3,870 m.

No. 275. Oct. 23, 1929; 21h 54m. Clouds: 7 StCu E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	4.0
216	343	SSE	5.0
414	350	S	3.3
612	79	W	0.2
801	189	N	3.9
990	201	NNE	5.7
1,170	225	NE	6.7
1,350	252	ENE	7.9
1,530	269	E	9.4
1,710	274	E	11.0
1,890	278	E	12.4
2,070	277	E	13.4
2,250	275	E	13.7
2,430	270	E	13.9
2,610	268	E	14.8

Disappearance: Behind StCu. East wind at surface not more than 20 m. thick.

No. 276. Oct. 24, 1929; 10h 19m. Clouds: Few St. NE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	316	SE	2.2
216	239	ENE	2.5
414	211	NNE	4.0
612	213	NNE	4.3
801	244	ENE	4.2
990	259	E	5.3
1,170	225	NE	4.7
1,350	209	NNE	4.5
1,530	204	NNE	4.0

No. 276—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,710	203	NNE	2.6
1,890	228	NE	2.8
2,070	260	E	4.5
2,250	274	E	6.3
2,430	277	E	6.7
2,610	279	E	7.2
2,790	277	E	7.9
2,970	274	E	8.7
3,150	274	E	10.5
3,330	276	E	12.5
3,510	278	E	13.4
3,690	278	E	14.2
3,870	280	E	15.0
4,050	281	E	15.4
4,230	277	E	15.5
4,410	277	E	17.8
4,590	280	E	18.5
4,770	282	ESE	17.5
4,950	283	ESE	16.8
5,130	283	ESE	15.5
5,310	284	ESE	15.5
5,490	283	ESE	15.2
5,670	281	E	14.2
5,850	282	ESE	15.0
6,030	284	ESE	14.0
6,210	289	ESE	14.0
6,390	287	ESE	14.0
6,570	287	ESE	14.0
6,750	285	ESE	13.8
6,930	285	ESE	13.2
7,110	286	ESE	14.0
7,290	287	ESE	15.4
7,470	288	ESE	16.0
7,650	288	ESE	15.4
7,830	290	ESE	14.0

Disappearance: Distance.

No. 277. Oct. 25, 1929; 9h 15m. Clouds: 6 ACu ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	16	SSW	2.2
216	332	SSE	2.4
414	339	SSE	2.2
612	314	SE	2.5
801	297	ESE	2.9
990	291	ESE	2.8
1,170	287	ESE	3.2
1,350	290	ESE	3.5
1,530	275	E	3.7
1,710	256	ENE	4.4
1,890	253	ENE	4.2
2,070	258	ENE	3.5
2,250	267	E	3.7
2,430	268	E	3.5
2,610	273	E	2.5
2,790	283	ESE	2.2
2,970	273	E	2.2
3,150	264	E	2.4
3,330	266	E	2.5
3,510	272	E	2.7
3,690	276	E	3.6
3,870	289	ESE	5.0
4,050	298	ESE	6.0
4,230	287	ESE	6.0
4,410	259	E	5.8
4,590	249	ENE	6.0

No. 277—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,770	257	ENE	6.4
4,950	257	ENE	6.5
5,130	248	ENE	6.0
5,310	245	ENE	6.2
5,490	241	ENE	6.4
5,670	237	ENE	6.5
5,850	232	NE	6.7
6,030	231	NE	6.9
6,210	229	NE	6.7
6,390	226	NE	6.3
6,570	230	NE	6.2
6,750	233	NE	6.0
6,930	235	NE	6.0
7,110	238	ENE	6.6
7,290	244	ENE	6.5
7,470	251	ENE	6.5
7,650	262	E	7.2
7,830	261	E	10.1
8,010	259	E	11.6

Disappearance: Bursting. Entered a Cu at 3,870m.

No. 278. Oct. 25, 1929; 20h 05m. Clouds: Few Ci ENE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	319	SE	2.2
414	309	SE	2.2
612	282	ESE	2.7
801	279	E	2.9
990	280	E	2.5
1,170	304	SE	2.0
1,350	311	SE	2.9
1,530	300	ESE	4.2
1,710	291	ESE	4.6
1,890	286	ESE	5.0
2,070	275	E	5.4
2,250	268	E	5.2
2,430	270	E	4.7
2,610	253	ENE	3.6
2,790	222	NE	3.3
2,970	229	NE	3.4
3,150	235	NE	3.2
3,330	230	NE	3.5
3,510	223	NE	3.7
3,690	235	NE	3.7
3,870	253	ENE	4.5
4,050	252	ENE	4.8
4,230	251	ENE	5.7
4,410	269	E	6.0
4,590	283	ESE	6.9
4,770	274	E	7.9
4,950	258	ENE	7.8
5,130	250	ENE	6.9
5,310	255	ENE	7.1
5,490	259	E	7.9
5,670	260	E	8.2
5,850	263	E	8.2
6,030	262	E	8.5
6,210	260	E	10.0
6,390	258	ENE	9.4
6,570	257	ENE	10.4
6,750	256	ENE	11.0
6,930	256	ENE	10.9
7,110	261	E	11.0
7,290	262	E	12.3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 278—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,470	262	E	13.3
7,650	266	E	13.0
7,830	270	E	13.6
8,010	269	E	13.9
8,190	270	E	14.8
8,370	272	E	15.6
8,550	271	E	16.2
8,730	276	E	17.0
8,910	281	E	17.2
9,090	280	E	17.2
9,270	280	E	17.8
9,450	280	E	17.8
9,630	281	E	15.8
9,810	282	ESE	14.0
9,990	279	E	13.0
10,170	277	E	12.2

Disappearance: Bursting.

No. 279. Oct. 26, 1929; 9h 30m. Clouds: 8 CiSt ESE Vis.: 9. Faint 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	34	SW	2.2
216	353	S	4.4
414	327	SSE	5.1
612	313	SE	5.7
801	304	SE	5.0
990	296	ESE	3.8
1,170	295	ESE	3.5
1,350	295	ESE	4.4
1,530	291	ESE	5.4
1,710	279	E	5.0
1,890	262	E	4.2
2,070	249	ENE	4.7
2,250	246	ENE	4.7
2,430	257	ENE	4.5
2,610	261	E	5.2
2,790	263	E	5.1
2,970	270	E	4.8
3,150	271	E	5.0
3,330	282	ESE	5.1
3,510	293	ESE	6.0
3,690	293	ESE	7.4
3,870	293	ESE	7.8
4,050	293	ESE	6.9
4,230	295	ESE	6.1
4,410	292	ESE	6.5
4,590	286	ESE	8.0
4,770	286	ESE	9.2

Disappearance: Entered CiSt, 4,770 m.

No. 280. Oct. 26, 1929; 20h 02m. Clouds: 7 CiSt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	38	SW	2.2
216	325	SE	3.4
414	310	SE	5.5
612	313	SE	7.0
801	316	SE	8.0
990	315	SE	8.2
1,170	304	SE	8.0
1,350	293	ESE	7.7
1,530	281	E	7.0
1,710	267	E	6.8

No. 280—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,890	259	E	5.8
2,070	256	ENE	5.7
2,250	254	ENE	6.0
2,430	250	ENE	6.0
2,610	251	ENE	6.1
2,790	252	ENE	6.1
2,970	250	ENE	6.5
3,150	246	ENE	6.7
3,330	255	ENE	6.1
3,510	268	E	5.7
3,690	271	E	5.0
3,870	269	E	4.1
4,050	259	E	4.6
4,230	258	ENE	5.7
4,410	258	ENE	6.0
4,590	257	ENE	7.1
4,770	259	E	7.6
4,950	264	E	8.7
5,130	266	E	10.3
5,310	265	E	10.4
5,490	267	E	11.0
5,670	267	E	11.3

Disappearance: CiSt, 5,670 m. Entered base of CiSt at 4,950 m.

No. 281. Oct. 27, 1929; 9h 18m. Clouds: 1 CiSt NNE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	2.7
216	325	SE	6.1
414	264	E	5.7
612	234	NE	4.5
801	258	ENE	4.4
990	258	ENE	3.4
1,170	259	E	3.4
1,350	264	E	4.0
1,530	268	E	3.5
1,710	262	E	2.2
1,890	255	ENE	1.7
2,070	261	E	1.9
2,250	240	ENE	2.0
2,430	205	NNE	2.5
2,610	211	NNE	2.7
2,790	217	NE	3.1
2,970	207	NNE	3.0
3,150	243	ENE	2.5
3,330	210	NNE	5.5
3,510	199	NNE	8.7
3,690	208	NNE	7.9
3,870	213	NNE	8.2
4,050	218	NE	7.8
4,230	215	NE	7.7
4,410	207	NNE	8.2
4,590	205	NNE	8.5
4,770	203	NNE	8.0
4,950	200	NNE	7.6
5,130	197	NNE	8.0
5,310	193	NNE	8.0
5,490	196	NNE	8.0
5,670	197	NNE	7.5
5,850	196	NNE	6.9
6,030	194	NNE	8.5
6,210	196	NNE	10.5
6,390	196	NNE	12.2
6,570	194	NNE	15.0
6,750	190	N	16.6
6,930	192	NNE	17.1
7,110	197	NNE	19.6

No. 281—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,290	196	NNE	17.7
7,470	192	NNE	16.5
7,650	194	NNE	19.5
7,830	194	NNE	21.0
8,010	194	NNE	22.0
8,190	192	NNE	22.0
8,370	190	N	22.0
8,550	192	NNE	23.2
8,730	193	NNE	23.0
8,910	193	NNE	21.0
9,090	195	NNE	20.4

Disappearance: Behind ASt. ASt clouds formed in NE and drifted over sky rapidly.

No. 282. Oct. 28, 1929; 8h 36m. Clouds: 9 CiSt ENE. Vis.: 8. 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	85	W	3.1
216	358	S	4.8
414	314	SE	5.2
612	318	SE	7.1
801	335	SSE	8.9
990	341	SSE	9.5
1,170	336	SSE	9.4
1,350	333	SSE	8.9
1,530	340	SSE	8.0
1,710	345	SSE	7.9
1,890	341	SSE	8.8
2,070	331	SSE	9.2
2,250	313	SE	8.5
2,430	303	ESE	8.3
2,610	303	ESE	8.0
2,790	309	SE	6.8
2,970	334	SSE	4.5
3,150	344	SSE	4.5
3,330	327	SSE	5.1
3,510	309	SE	6.0
3,690	301	ESE	6.5
3,870	293	ESE	6.2
4,050	272	E	6.2
4,230	255	ENE	7.2
4,410	245	ENE	8.1
4,590	236	NE	9.4
4,770	237	ENE	9.7
4,950	243	ENE	9.8

Disappearance: Behind CiSt. Entered base of CiSt at 4,410m.

No. 283. Oct. 28, 1929; 20h 50m. Clouds: 2 CiSt SE, 4 ACu SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	50	SW	2.2
216	5	S	4.8
414	12	SSW	4.7
612	21	SSW	3.2
801	34	WSW	2.0
990	20	SSW	3.2
1,170	14	SSW	4.8
1,350	13	SSW	6.0
1,530	12	SSW	6.5
1,710	5	S	4.2
1,890	357	S	4.5
2,070	349	S	4.5

No. 283—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,250	338	SSE	3.2
2,430	348	SSE	1.2
2,610	39	SW	1.3
2,790	359	S	2.0
2,970	350	S	3.7
3,150	353	S	4.8
3,330	337	SSE	4.2
3,510	325	SE	4.9
3,690	330	SSE	5.0
3,870	325	SE	5.0
4,050	319	SE	4.7
4,230	311	SE	4.3
4,410	316	SE;	4.0
4,590	329	SSE	4.5
4,770	323	SE	5.3
4,950	321	SE	7.0
5,130	323	SE	8.4
5,310	315	SE	8.3
5,490	308	SE	7.8
5,670	302	ESE	6.9
5,850	297	ESE	7.1
6,030	302	ESE	7.4
6,210	303	ESE	7.0
6,390	303	ESE	7.2
6,570	306	SE	6.3
6,750	315	SE	6.8
6,930	319	SE	7.8
7,110	318	SE	8.5
7,290	310	SE	8.6
7,470	303	ESE	9.2
7,650	302	ESE	9.5
7,830	301	ESE	9.5
8,010	300	ESE	9.0
8,190	298	ESE	8.8
8,370	298	ESE	8.3
8,550	299	ESE	8.0
8,730	299	ESE	8.8
8,910	295	ESE	9.4
9,090	300	ESE	10.1
9,270	302	ESE	10.5
9,450	301	ESE	9.5
9,630	307	SE	9.0
9,810	306	SE	8.8
9,990	300	ESE	8.5
10,170	299	ESE	8.2

Disappearance: (?). Right hand parhelion.

No. 284. Oct. 29, 1929; 8h 54m. Clouds: 2 CiCu, 2 ACu SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	62	WSW	3.1
216	66	WSW	6.3
414	78	WSW	7.5
612	82	W	7.3
801	83	W	7.8
990	86	W	8.3
1,170	86	W	7.5
1,350	78	WSW	7.5
1,530	79	W	8.1
1,710	66	WSW	6.6
1,890	66	WSW	4.2
2,070	66	WSW	4.1
2,250	65	WSW	4.5
2,430	55	SW	4.2
2,610	31	SSW	4.3
2,790	25	SSW	4.3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 284—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	32	SSW	4.2
3,150	29	SSW	4.7
3,330	25	SSW	5.4
3,510	24	SSW	5.7

Disappearance: Obstruction. ACu changing into StCu.

No. 285. Oct. 29, 1929; 20h 02m. Clouds: Few ACu (WSW?), Few St W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	1.8
216	86	W	5.0
414	99	W	8.0
612	103	WNW	8.5
801	104	WNW	8.3
990	103	WNW	7.7
1,170	102	WNW	6.5
1,350	97	W	5.5
1,530	93	W	4.6
1,710	88	WSW	4.4
1,890	78	WSW	4.0
2,070	70	WSW	3.5
2,250	79	W	3.2
2,430	82	W	3.0
2,610	62	WSW	2.5
2,790	44	SW	2.4
2,970	28	SSW	1.7
3,150	10	S	1.0
3,330	345	SSE	1.9
3,510	334	SSE	4.2
3,690	318	SE	4.5
3,870	314	SE	5.0
4,050	309	SE	5.7
4,230	301	ESE	5.9
4,410	296	ESE	6.2
4,590	295	ESE	6.5
4,770	297	ESE	5.7
4,950	305	SE	5.5
5,130	318	SE	6.5
5,310	308	SE	7.1
5,490	300	ESE	8.0
5,670	308	SE	8.5
5,850	308	SE	8.5
6,030	305	SE	8.7
6,210	309	SE	9.2
6,390	314	SE	9.5
6,570	311	SE	7.9
6,750	315	SE	7.9
6,930	316	SE	8.5
7,110	308	SE	8.2
7,290	310	SE	8.5
7,470	297	ESE	7.5
7,650	293	ESE	8.1
7,830	302	ESE	9.7
8,010	307	SE	9.1
8,190	309	SE	8.1
8,370	309	SE	8.1
8,550	300	ESE	8.6
8,730	301	ESE	8.9
8,910	304	SE	8.0
9,090	294	ESE	7.8
9,270	292	ESE	8.0
9,450	295	ESE	7.1
9,630	305	SE	6.2

Disappearance: (?).

No. 286. Nov. 2, 1929; 17h 40m. Clouds: 10 St NNW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	5.4
216	249	ENE	7.9
414	227	NE	6.6
612	204	NNE	5.8
801	174	N	7.3
891	161	NNW	9.2

Disappearance: Entered St, 891 m.

No. 287. Nov. 3, 1929; 9h 05m. Clouds: 10 StCu NW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	3.6
216	284	ESE	1.8
414	265	E	1.2
612	294	ESE	0.4
801	64	WSW	0.6
990	70	WSW	1.2
1,170	76	WSW	1.5
1,350	83	W	1.7
1,530	106	WNW	1.8
1,575	124	NW	2.0

Disappearance: Entered StCu, 1,575 m.

No. 288. Nov. 3, 1929; 21h 47m. Clouds: 9 StCu WSW, 1 St NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	214	NE	4.0
216	166	NNW	5.8
414	156	NNW	6.4
612	150	NNW	6.4
801	142	NW	5.7
990	137	NW	3.7
1,170	110	WNW	2.0
1,350	75	WSW	2.2
1,530	70	WSW	2.8
1,710	72	WSW	3.7
1,890	76	WSW	4.5
2,025	79	W	5.1

Disappearance: Entered StCu, 2,025 m.

No. 289. Nov. 4, 1929; 9h 26m. Clouds: 10 St ESE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	274	E	2.7
216	269	E	11.9
414	265	E	10.7
612	267	E	5.7
801	272	E	2.0
990	267	E	1.0
1,170	250	ENE	0.8
1,350	276	E	1.3
1,530	283	ESE	1.7

Disappearance: Entered St, 1,530 m.

No. 290. Nov. 5, 1929; 9h 14m. Clouds: 1 CiSt, Few St ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	320	SE	5.4
216	303	ESE	10.9
414	298	ESE	13.2
612	296	ESE	12.8
801	301	ESE	11.9
990	312	SE	11.2
1,170	321	SE	9.8
1,350	322	SE	7.5
1,530	300	ESE	5.3
1,710	272	E	4.9
1,890	267	E	3.6
2,070	274	E	2.5
2,250	271	E	2.0
2,430	241	ENE	1.8
2,610	226	NE	1.9
2,790	212	NNE	2.0
2,970	187	N	2.1
3,150	172	N	2.0
3,330	167	NNW	2.3
3,510	156	NNW	3.7
3,690	149	NNW	5.0
3,870	147	NNW	5.7
4,050	144	NW	6.4
4,230	138	NW	7.2
4,410	135	NW	7.8

Disappearance: Bursting.

No. 291. Nov. 5, 1929; 21h. Clouds: 9 StCu SE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	345	SSE	4.0
216	334	SSE	6.7
414	322	SE	7.4
612	317	SE	8.3
801	313	SE	9.8
990	312	SE	12.1
1,170	313	SE	11.7
1,350	313	SE	8.5
1,440	314	SE	6.6

Disappearance: Entered StCu, 1,440 m.

No. 292. Nov. 6, 1929; 9h 41m. Clouds: 10 StCu ESE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	294	ESE	4.0
216	287	ESE	5.3
414	293	ESE	4.0
612	328	SSE	3.5
801	341	SSE	5.0
990	329	SSE	5.1
1,170	315	SE	4.1
1,350	302	ESE	4.1
1,530	298	ESE	4.0
1,710	299	ESE	5.2
1,770	297	ESE	6.5

Disappearance: Entered StCu, 1,770 m.

No. 293. Nov. 7, 1929; 9h 24m. Clouds: 9 StCu N. Vis.: 7. Clear along NW horizon

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	138	NW	2.0
414	141	NW	3.3
612	133	NW	1.2
801	43	SW	1.7
990	54	SW	2.8
1,170	82	W	3.5
1,350	101	W	3.0
1,530	138	NW	1.3
1,710	183	N	0.8
1,770	180	N	1.2

Disappearance: Entered StCu, 1,770 m.

No. 294. Nov. 8, 1929; 13h 50m Clouds: 10 StCu NW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	115	WNW	4.0
216	119	WNW	8.1
414	124	NW	10.7
612	128	NW	12.0
801	130	NW	12.2

Disappearance: Entered St Cu, 801 m.

No. 295. Nov. 9, 1929; 9h 14m. Clouds: 6 CiSt, 3 StCu NNW. Bright 22° halo; heavy snow flurries to N and NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	172	N	4.0
216	159	NNW	7.8
414	160	NNW	9.5
612	159	NNW	10.2
801	156	NNW	11.0
990	154	NNW	11.0
1,170	154	NNW	10.6
1,350	155	NNW	10.5
1,530	159	NNW	10.5
1,710	161	NNW	10.8

Disappearance: Behind StCu.

No. 296. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	262	E	4.0
216	262	E	5.7
414	236	NE	2.4
612	232	NE	1.0
801	306	SE	0.9
990	320	SE	1.8
1,170	306	SE	2.5
1,350	289	ESE	2.5
1,530	301	ESE	2.5
1,710	318	SE	3.0
1,890	312	SE	3.8
2,070	315	SE	3.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
No. 296—Continued			
2,250	349	S	2.5
2,430	18	SSW	2.7
2,610	28	SSW	2.6
2,790	357	S	2.0
2,970	320	SE	2.2
3,150	317	SE	1.7
3,330	282	ESE	1.9
3,510	241	ENE	2.3
3,690	224	NE	2.4
3,870	231	NE	2.0
4,050	233	NE	2.0
4,230	230	NE	2.7
4,410	220	NE	3.5
4,590	215	NE	4.2
4,770	214	NE	4.2
4,950	216	NE	4.7
5,130	222	NE	5.5
5,310	220	NE	6.0
5,490	215	NE	6.3
5,670	214	NE	6.8
5,850	217	NE	7.8
6,030	221	NE	8.5
6,210	221	NE	8.0
6,390	222	NE	8.7
6,570	223	NE	9.0
6,750	218	NE	8.0
6,930	216	NE	7.7
7,110	217	NE	7.7
7,290	218	NE	7.5
7,470	220	NE	7.7
7,650	218	NE	7.8
7,830	215	NE	7.4
8,010	216	NE	7.0
8,190	221	NE	6.6
8,370	225	NE	6.5
8,550	225	NE	5.7
8,730	227	NE	5.5
8,910	223	NE	5.2
9,090	211	NNE	5.8
9,270	202	NNE	6.0
9,450	192	NNE	5.8

Disappearance: Bursting.

No. 297. Nov. 10, 1929; 21h 42m. Clouds: Few Ci (ENE?) 2 ACu SE. Viz.: 9. Parhelia and circumzenithal arc

Surface	7	S	4.9
216	319	SE	2.5
414	317	SE	3.2
612	325	SE	5.5
801	334	SSE	6.5
990	348	SSE	6.8
1,170	357	S	7.5
1,350	2	S	8.0
1,530	4	S	8.6
1,710	0	S	8.3
1,890	347	SSE	7.2
2,070	328	SSE	6.5
2,250	313	SE	6.1
2,430	306	SE	5.9
2,610	304	SE	6.5
2,790	307	SE	6.0
2,970	314	SE	4.7
3,150	318	SE	3.9
3,330	309	SE	3.5
3,510	293	ESE	3.3
No. 297—Continued			
3,690	273	E	3.5
3,870	266	E	3.2
4,050	263	E	3.1
4,230	259	E	3.7
4,410	252	ENE	3.9
4,590	248	ENE	4.5
4,770	242	ENE	5.3
4,950	239	ENE	5.7
5,130	239	ENE	5.0
5,310	239	ENE	5.0
5,490	242	ENE	5.2
5,670	249	ENE	5.5
5,850	245	ENE	6.5
6,030	241	ENE	6.8
6,210	242	ENE	6.5
6,390	242	ENE	6.6
6,570	241	ENE	7.2
6,750	241	ENE	7.0
6,930	245	ENE	7.4
7,110	243	ENE	6.7
7,290	238	ENE	7.0
7,470	246	ENE	6.3
7,650	245	ENE	5.5
7,830	233	NE	5.0
8,010	222	NE	4.0
8,190	229	NE	4.0
8,370	237	ENE	4.6
8,550	226	NE	5.2
8,730	232	NE	4.8
8,910	240	ENE	5.2
9,090	227	NE	4.8
9,270	219	NE	4.2
9,450	216	NE	3.7
9,630	221	NE	3.4
9,810	224	NE	3.2

Disappearance: Bursting. Strong looming to W over the bay.

No. 298. Nov. 11, 1929; 9h 54m. Clouds: 1 CiSt SSE, 5 ASt (SE?). Vis.: 8. Clouds moved in from SE

Surface	358	S	3.1
216	344	SSE	4.7
414	322	SE	6.2
612	323	SE	8.2
801	333	SSE	7.9
990	334	SSE	6.5
1,170	332	SSE	7.3
1,350	331	SSE	8.0
1,530	324	SE	7.7
1,710	319	SE	6.5
1,890	322	SE	4.5
2,070	336	SSE	4.3
2,250	345	SSE	4.5
2,430	338	SSE	4.3
2,610	329	SSE	4.2
2,790	325	SE	4.0
2,970	321	SE	3.3
3,150	321	SE	3.0
3,330	323	SE	2.7
3,510	287	ESE	2.9
3,690	277	E	3.5
3,870	267	E	3.7
4,050	269	E	3.0
4,230	267	E	3.4
No. 298—Continued			
4,410	266	E	5.0
4,590	266	E	5.5
4,770	266	E	6.2
4,950	262	E	7.3
5,130	260	E	8.5
5,310	260	E	8.7
5,490	256	ENE	8.5

Disappearance: Behind ASt.

No. 299. Nov. 11, 1929; 21h 49m. Clouds: 2 ACu E, 1 ASt E. Vis.: 8

Surface	282	ESE	1.3
216	298	ESE	3.5
414	309	SE	4.3
612	309	SE	5.4
801	312	SE	6.0
990	310	SE	6.5
1,170	308	SE	5.8
1,350	306	SE	5.7
1,530	296	ESE	6.0
1,710	290	ESE	4.1
1,890	291	ESE	2.8
2,070	289	ESE	2.9
2,250	257	ENE	4.0
2,430	255	ENE	5.3
2,610	264	E	6.8
2,790	265	E	8.5
2,970	265	E	9.0

Disappearance: Frosting of lens.

No. 300. Nov. 12, 1929; 10h 08m. Clouds: 8 StCu SE. Vis.: 6

Surface	301	ESE	8.1
216	307	SE	9.9
414	309	SE	10.0
612	303	ESE	8.2
801	300	ESE	7.3
990	302	ESE	8.9
1,170	305	SE	12.0
1,350	312	SE	14.5
1,530	321	SE	15.7
1,710	323	SE	16.2

Disappearance: Behind StCu. Balloon entered StCu at 990 m.

No. 301. Nov. 13, 1929; 9h 31m. Clouds: Few Ci (NE?). Vis.: 9.

Surface	Calm	--------	Calm
216	81	W	1.2
414	58	WSW	2.5
612	8	S	3.2
801	335	SSE	3.3
990	285	ESE	2.5
1,170	254	ENE	2.9
1,350	257	ENE	2.5
1,530	258	ENE	2.6
No. 301—Continued			
1,710	264	E	3.1
1,890	267	E	3.7
2,070	270	E	4.2
2,250	274	E	5.0
2,430	270	E	5.5
2,610	266	E	5.7
2,790	265	E	5.7
2,970	266	E	5.9
3,150	269	E	6.8
3,330	266	E	7.7
3,510	262	E	8.2
3,690	261	E	8.3
3,870	259	E	8.3
4,050	253	ENE	7.9
4,230	246	ENE	7.6
4,410	245	ENE	7.0
4,590	237	ENE	6.5
4,770	231	NE	6.0
4,950	234	NE	5.2
5,130	237	ENE	5.1
5,310	233	NE	4.9
5,490	220	NE	5.1
5,670	213	NNE	5.9
5,850	215	NE	6.2
6,030	217	NE	6.1
6,210	218	NE	6.0
6,390	219	NE	6.0
6,570	223	NE	6.3
6,750	228	NE	6.4
6,930	231	NE	6.8
7,110	233	NE	7.0
7,290	236	NE	6.6
7,470	241	ENE	8.4
7,650	245	ENE	9.5
7,830	248	ENE	9.9
8,010	248	ENE	10.5
8,190	251	ENE	10.9
8,370	249	ENE	11.5
8,550	247	ENE	12.6
8,730	249	ENE	12.5
8,910	252	ENE	11.2
9,090	254	ENE	12.2
9,270	255	ENE	12.3
9,450	256	ENE	11.0

Disappearace: Bursting.

No. 302. Nov. 13, 1929; 20h. Clouds: 0. Vis.: 9

Surface	266	E	4.5
216	265	E	5.4
414	257	ENE	2.5
612	246	ENE	3.4
801	216	NE	3.8
990	177	N	3.3
1,170	182	N	3.4
1,350	196	NNE	4.2
1,530	192	NNE	4.3
1,710	188	N	4.0
1,890	199	NNE	3.2
2,070	230	NE	2.8
2,250	242	ENE	3.4
2,430	235	NE	4.0
2,610	234	NE	4.5
2,790	237	ENE	5.0
2,970	245	ENE	5.0
3,150	252	ENE	5.9
3,330	245	ENE	6.0
3,510	249	ENE	4.8

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 302—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,690	249	ENE	4.5
3,870	254	ENE	4.2
4,050	262	E	4.0
4,230	270	E	3.3
4,410	280	E	2.5
4,590	292	ESE	2.3
4,770	295	ESE	1.7
4,950	303	ESE	1.0
5,130	311	SE	1.5
5,310	314	SE	1.3
5,490	319	SE	1.0
5,670	319	SE	0.8
5,850	281	E	1.0
6,030	266	E	1.3
6,210	274	E	1.8
6,390	278	E	2.8
6,570	274	E	3.2
6,750	263	E	3.7
6,930	263	E	4.6
7,110	267	E	5.8
7,290	264	E	7.1
7,470	265	E	8.2
7,650	270	E	9.2
7,830	275	E	10.4
8,010	265	E	10.5
8,190	260	E	10.5
8,370	259	E	10.0
8,550	260	E	9.5
8,730	263	E	10.0
8,910	262	E	9.5
9,090	266	E	9.9
9,270	266	E	10.1
9,450	263	E	9.8
9,630	263	E	10.8
9,810	266	E	10.2
9,990	271	E	9.0

Disappearance: Bursting.

No. 303. Nov. 14, 1929; 9h 40m. Clouds: 10 StCu NNE. Vis.: 7. Lt. drift

Surface	276	E	8.5
216	254	ENE	11.4
414	236	NE	11.0
612	221	NE	11.5
801	217	NE	14.6
990	210	NNE	15.8
1,105	190	N	18.0

Disappearance: Entered StCu, 1,105 m.

No. 304. Nov. 15, 1929; 10h 23m. Clouds: 0. Vis.: 9

Surface	347	SSE	2.2
216	345	SSE	4.0
414	346	SSE	6.5
612	346	SSE	5.2
801	351	S	3.5
990	346	SSE	2.0
1,170	309	SE	1.5
1,350	305	SE	1.6
1,530	282	ESE	1.6
1,710	229	NE	1.7
1,890	175	N	1.5

No. 304—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,070	155	NNW	1.3
2,250	157	NNW	1.6
2,430	115	WNW	0.7
2,610	36	SW	0.5
2,790	238	ENE	1.2
2,970	184	N	2.3
3,150	137	NW	2.3
3,330	120	WNW	1.8
3,510	109	WNW	2.2
3,690	58	WSW	1.9
3,870	34	SW	1.7
4,050	56	SW	1.0
4,230	111	WNW	1.7
4,410	100	W	2.4
4,590	80	W	2.3
4,770	72	WSW	2.0
4,950	67	WSW	2.0
5,130	77	WSW	2.5
5,310	95	W	3.8
5,490	88	W	4.4
5,670	76	WSW	4.3
5,850	82	W	3.5
6,030	111	WNW	4.4
6,210	126	NW	6.2
6,390	121	WNW	8.8
6,570	114	WNW	8.6
6,750	106	WNW	8.3
6 930	103	WNW	9.0
7,110	103	WNW	8.5
7,290	103	WNW	8.9
7,470	104	WNW	9.2
7,650	112	WNW	9.2
7,830	117	WNW	9.1
8,010	120	WNW	8.9
8,190	122	WNW	9.0
8,370	119	WNW	9.0
8,550	113	WNW	9.3
8,730	116	WNW	8.7
8,910	129	NW	8.0
9,090	130	NW	8.0
9,270	122	WNW	7.5
9,450	120	WNW	7.6
9,630	120	WNW	7.5
9,810	122	WNW	6.9
9,990	125	NW	7.0
10,170	124	NW	8.2
10,350	122	WNW	8.2

Disappearance: Balloon burst.

No. 305. Nov. 15, 1929 20h 17m. Clouds: Few ACu (WNW?). Vis.: 9

Surface	257	ENE	3.1
216	253	ENE	2.9
414	243	ENE	2.0
612	247	ENE	1.8
801	233	NE	1.8
990	197	NNE	1.4
1,170	170	N	1.7
1,350	163	NNW	2.1
1,530	149	NNW	3.1
1,710	133	NW	3.9
1,890	115	WNW	5.8
2,070	102	WNW	5.2
2,250	102	WNW	4.0
2,430	102	WNW	3.8
2,610	102	WNW	4.3
2,790	95	W	4.4

Ne. 305—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	81	W	4.0
3,150	77	WSW	4.2
3,330	79	W	4.8
3,510	76	WSW	5.0
3,690	74	WSW	4.8
3,870	80	W	5.5
4,050	78	WSW	6.4
4,230	77	WSW	7.0
4,410	80	W	7.2
4,590	77	WSW	7.0
4,770	72	WSW	7.5
4,950	76	WSW	8.7
5,130	79	W	9.4
5,310	78	WSW	10.3
5,490	78	WSW	11.2
5,670	80	W	13.3
5,850	83	W	14.3
6,030	89	W	15.0
6,210	91	W	17.0
6,390	91	W	18.0
6,570	90	W	18.4
6,750	93	W	20.5
6,930	95	W	21.5
7,110	94	W	21.8
7,290	95	W	22.0
7,470	96	W	21.2
7,650	95	W	21.0
7,830	93	W	20.8

Disappearance: Refraction over stove pipe.

No. 306. Nov. 16, 1929; 10h 39m. Clouds: Few Ci W. Vis.: 9

Surface	279	E	8.1
216	281	E	14.2
414	279	E	11.5
612	289	ESE	6.4
801	305	SE	4.7
990	289	ESE	4.5
1,170	267	E	4.2
1,350	263	E	3.2
1,530	285	ESE	2.4
1,710	295	ESE	1.5
1,890	259	E	1.2
2,070	243	ENE	1.5
2,250	238	ENE	1.8
2,430	230	NE	1.9
2,610	209	NNE	1.1
2,790	145	NW	1.4
2,970	131	NW	3.0
3,150	132	NW	3.7
3,330	132	NW	4.0
3,510	120	WNW	4.5
3,690	113	WNW	5.0
3,870	116	WNW	5.7
4,050	111	WNW	6.5
4,230	109	WNW	7.0
4,410	114	WNW	7.5
4,590	110	WNW	8.0
4,770	107	WNW	9.5
4,950	103	WNW	12.8
5,130	97	W	15.9
5,310	95	W	18.0
5,490	96	W	21.6
5,670	96	W	23.1
5,850	96	W	26.6
6,030	96	W	32.8

No. 306—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,210	98	W	38.6
6,390	98	W	42.3
6,570	96	W	44.0
6,750	94	W	45.0
6,930	92	W	46.2
7,110	91	W	49.0
7,290	92	W	50.0
7,470	91	W	51.8
7,650	91	W	54.2
7,830	90	W	53.0
8,010	90	W	52.0

Disappearance: Distance.

No. 307. Nov. 16, 1929; 20h 59m. Clouds: 2 Ci W, 1 CiSt W. Vis.: 7. Bank of clouds in NW

Surface	290	ESE	9.4
216	289	ESE	16.8
414	286	ESE	13.2
612	295	ESE	7.4
801	318	SE	5.2
990	319	SE	5.1
1,170	306	SE	4.5
1,350	288	ESE	3.8
1,530	285	ESE	3.1
1,710	285	ESE	3.2
1,890	281	E	2.9
2,070	270	E	1.9
2,250	269	E	1.5
2,430	183	N	0.5
2,610	111	WNW	1.3
2,790	82	W	1.8
2,970	79	W	3.5
3,150	75	WSW	4.0
3,330	79	W	4.5
3,510	77	WSW	5.9
3,690	73	WSW	7.2
3,870	74	WSW	8.2
4,050	79	W	9.1
4,230	83	W	10.5
4,410	86	W	13.4
4,590	88	W	16.4
4,770	87	W	18.9
4,950	87	W	22.5
5,130	87	W	24.8
5,310	87	W	25.2
5,490	85	W	25.3
5,670	83	W	25.4
5,850	82	W	25.7
6,030	84	W	26.6
6,210	83	W	26.0
6,390	81	W	27.1
6,570	80	W	29.4
6,750	84	W	29.0
6,930	84	W	29.6

Disappearance: Behind anemometer post.

No. 308. Nov. 17, 1929; 10h 09m. Clouds: Few Ci (WSW?). Vis.: 9

Surface	Calm	--------	Calm
216	314	SE	4.8
414	310	SE	8.2
612	317	SE	6.9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 308—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	336	SSE	6. 5
990	331	SSE	7. 3
1, 170	327	SSE	7. 2
1, 350	336	SSE	5. 7
1, 530	352	S	5. 2
1, 710	359	S	5. 5
1, 890	10	S	4. 8
2, 070	22	SSW	4. 6
2, 250	28	SSW	6. 2
2, 430	32	SSW	6. 8
2, 610	42	SW	6. 3
2, 790	45	SW	6. 7
2, 970	44	SW	7. 1
3, 150	43	SW	7. 8
3, 330	40	SW	9. 2
3, 510	37	SW	11. 8
3, 690	39	SW	15. 2
3, 870	44	SW	16. 7
4, 050	48	SW	17. 2
4, 230	50	SW	17. 8
4, 410	49	SW	18. 5
4, 590	50	SW	20. 1
4, 770	54	SW	20. 8
4, 950	56	SW	20. 8
5, 130	57	WSW	21. 5
5, 310	58	WSW	22. 3
5, 490	59	WSW	23. 3
5, 670	62	WSW	25. 2
5, 850	67	WSW	26. 0
6, 030	71	WSW	24. 8
6, 210	70	WSW	25. 0
6, 390	70	WSW	26. 8
6, 570	71	WSW	26. 8
6, 750	72	WSW	27. 0
6, 930	74	WSW	27. 6
7, 110	75	WSW	27. 0
7, 290	77	WSW	28. 0
7, 470	78	WSW	28. 2
7, 650	75	WSW	27. 2
7, 830	74	WSW	27. 2

Disappearance: Behind anemometer post.

No. 309. Nov. 17, 1929; 18h 55m. Clouds: Few Ci WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	5	S	5. 4
216	315	SE	9. 2
414	303	ESE	10. 0
612	302	ESE	8. 8
801	315	SE	7. 0
990	341	SSE	6. 3
1, 170	345	SSE	7. 3
1, 350	348	SSE	8. 5
1, 530	1	S	8. 8
1, 710	6	S	9. 3
1, 890	13	SSW	9. 2
2, 070	22	SSW	9. 7
2, 250	32	SSW	10. 8
2, 430	42	SW	11. 4
2, 610	47	SW	11. 8
2, 790	47	SW	12. 7
2, 970	46	SW	13. 3
3, 150	44	SW	15. 3
3, 330	46	SW	18. 5
3, 510	51	SW	20. 8
3, 690	54	SW	21. 5
3, 870	56	SW	22. 5

No. 309—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 050	57	WSW	24. 0
4, 230	55	SW	25. 0
4, 410	56	SW	26. 2
4, 590	59	WSW	26. 8
4, 770	61	WSW	28. 0
4, 950	65	WSW	27. 0
5, 130	68	WSW	26. 0
5, 310	65	WSW	26. 0
5, 490	61	WSW	26. 8
5, 670	61	WSW	28. 2
5, 850	61	WSW	29. 0
6, 030	62	WSW	29. 6
6, 210	64	WSW	32. 0
6, 390	65	WSW	32. 0
6, 570	65	WSW	31. 8

Disappearance: Distance.

No. 310. Nov. 17, 1929; 21h. Clouds: Few Ci SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	24	SSW	1. 8
216	342	SSE	4. 6
414	317	SE	6. 6
612	315	SE	7. 5
801	328	SSE	6. 3
990	344	SSE	7. 7
1, 170	343	SSE	9. 4
1, 350	342	SSE	10. 5
1, 530	346	SSE	12. 1
1, 710	351	S	13. 2
1, 890	357	S	13. 8
2, 070	2	S	14. 5
2, 250	7	S	15. 2
2, 430	9	S	15. 3
2, 610	11	S	15. 5
2, 790	17	SSW	16. 3
2, 970	22	SSW	17. 9
3, 150	25	SSW	20. 2
3, 330	32	SSW	21. 4
3, 510	34	SW	22. 0

Disappearance: Local smoke.

No. 311. Nov. 18, 1929; 7h 50m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	64	WSW	2. 7
216	31	SSW	6. 5
414	31	SSW	7. 4
612	37	SW	7. 5
801	43	SW	8. 7
990	53	SW	8. 9
1, 170	61	WSW	8. 4
1, 350	55	SW	10. 1
1, 530	50	SW	11. 1
1, 710	49	SW	11. 2
1, 890	42	SW	14. 3
2, 070	36	SW	16. 3
2, 250	36	SW	14. 3
2, 430	36	SW	12. 6
2, 610	38	SW	13. 8
2, 790	38	SW	15. 3
2, 970	37	SW	16. 2
3, 150	36	SW	18. 3
3, 330	37	SW	20. 4
3, 510	40	SW	21. 8
3, 690	43	SW	25. 2

No. 311—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 870	44	SW	28. 8
4, 050	45	SW	30. 2
4, 230	47	SW	31. 0
4, 410	51	SW	32. 0
4, 590	53	SW	34. 5
4, 770	53	SW	38. 0
4, 950	57	WSW	39. 5
5, 130	58	WSW	40. 5
5, 310	56	SW	44. 5
5, 490	54	SW	45. 0

Disappearance: Distance.

No. 312. Nov. 18, 1929; 13h 49m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	42	SW	4. 9
216	50	SW	7. 5
414	51	SW	7. 8
612	45	SW	9. 5
801	44	SW	11. 0
990	43	SW	11. 4
1, 170	42	SW	12. 7
1, 350	44	SW	13. 9
1, 530	42	SW	13. 9
1, 710	41	SW	13. 0
1, 890	42	SW	12. 0
2, 070	38	SW	12. 0
2, 250	37	SW	12. 7
2, 430	41	SW	12. 9
2, 610	39	SW	13. 2
2, 790	36	SW	13. 8
2, 970	40	SW	14. 3
3, 150	47	SW	14. 6
3, 330	48	SW	16. 1
3, 510	42	SW	18. 2
3, 690	40	SW	20. 8
3, 870	42	SW	23. 3
4, 050	43	SW	22. 8
4, 230	45	SW	23. 0
4, 410	49	SW	26. 0
4, 590	49	SW	30. 5
4, 770	50	SW	35. 0
4, 950	51	SW	38. 0
5, 130	54	SW	41. 0
5, 310	57	WSW	42. 0
5, 490	55	SW	43. 5
5, 670	51	SW	43. 5
5, 850	50	SW	39. 0
6, 030	49	SW	37. 0

Disappearance: Distance.

No. 313. Nov. 19, 1929; 9h 04m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	4. 5
216	337	SSE	3. 9
414	353	S	5. 0
612	347	SSE	6. 3
801	346	SSE	8. 0
990	341	SSE	10. 4
1, 170	342	SSE	11. 7
1, 350	349	S	11. 9
1, 530	354	S	11. 7
1, 710	351	S	11. 7
1, 890	346	SSE	11. 6
2, 070	349	S	11. 2

No. 313—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 250	355	S	11. 4
2, 430	355	S	11. 8
2, 610	354	S	10. 8
2, 790	356	S	10. 9
2, 970	359	S	11. 2
3, 150	1	S	10. 6
3, 330	359	S	10. 7
3, 510	0	S	11. 5
3, 690	6	S	12. 2
3, 870	9	S	12. 4
4, 050	9	S	14. 0
4, 230	7	S	16. 2
4, 410	7	S	16. 2
4, 590	8	S	16. 4
4, 770	12	SSW	16. 3
4, 950	14	SSW	16. 7
5, 130	13	SSW	17. 8
5, 310	16	SSW	18. 2
5, 490	21	SSW	16. 5
5, 670	19	SSW	15. 5
5, 850	21	SSW	17. 2
6, 030	26	SSW	17. 3
6, 210	25	SSW	18. 0
6, 390	27	SSW	18. 2
6, 570	36	SW	17. 0
6, 750	37	SW	17. 6
6, 930	36	SW	18. 5
7, 110	34	SW	20. 2
7, 290	33	SSW	19. 9
7, 470	40	SW	19. 0
7, 650	45	SW	20. 2
7, 830	46	SW	21. 3
8, 010	46	SW	21. 0
8, 190	50	SW	21. 0
8, 370	50	SW	22. 4
8, 550	48	SW	23. 0
8, 730	52	SW	19. 9
8, 910	52	SW	20. 6
9, 090	52	SW	24. 6
9, 270	55	SW	21. 0
9, 450	53	SW	19. 9
9, 630	50	SW	20. 5
9, 810	57	WSW	20. 0
9, 990	62	WSW	19. 6
10, 170	52	SW	21. 9
10, 350	39	SW	19. 0
10, 530	35	SW	14. 5

Disappearance: Distance.

No. 314. Nov. 19, 1929; 16h 40m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	47	SW	5. 4
216	28	SSW	9. 5
414	17	SSW	13. 9
612	11	S	16. 5
801	5	S	18. 3
990	4	S	18. 7
1, 170	3	S	19. 0
1, 350	7	S	19. 6
1, 530	12	SSW	16. 4
1, 710	18	SSW	13. 1
1, 890	25	SSW	10. 9
2, 070	32	SSW	8. 4
2, 250	36	SW	7. 7
2, 430	30	SSW	8. 6
2, 610	25	SSW	10. 3
2, 790	23	SSW	11. 4
2, 970	23	SSW	11. 0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 314—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
3,150	25	SSW	11.3
3,330	30	SSW	11.4
3,510	35	SW	11.3
3,690	33	SSW	10.8
3,870	26	SSW	10.1
4,050	23	SSW	10.0
4,230	25	SSW	11.3
4,410	25	SSW	12.3
4,590	28	SSW	12.3
4,770	30	SSW	12.6
4,950	32	SSW	13.0
5,130	35	SW	12.8
5,310	37	SW	13.8
5,490	37	SW	16.8
5,670	35	SW	18.0
5,850	34	SW	18.5
6,030	37	SW	19.6
6,210	40	SW	18.8
6,390	39	SW	16.9
6,570	38	SW	16.1
6,750	42	SW	15.7
6,930	45	SW	16.5
7,110	40	SW	17.8
7,290	36	SW	19.3
7,470	39	SW	18.1
7,650	38	SW	17.4
7,830	40	SW	18.5
8,010	41	SW	19.2
8,190	37	SW	20.0
8,370	39	SW	18.8
8,550	42	SW	16.1

Disappearance: Distance.

No. 315. Nov. 20, 1929; 12h 27m. Clouds: Few Ci (WSW?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	33	SSW	1.8
216	84	W	3.2
414	103	WNW	5.2
612	108	WNW	5.9
801	111	WNW	5.0
990	113	WNW	3.4
1,170	90	W	2.2
1,350	67	WSW	3.1
1,530	73	WSW	3.4
1,710	76	WSW	3.9
1,890	66	WSW	4.6
2,070	56	SW	5.0
2,250	63	WSW	5.5
2,430	70	WSW	5.9
2,610	71	WSW	6.7
2,790	69	WSW	7.4
2,970	70	WSW	7.5
3,150	70	WSW	8.0
3,330	71	WSW	8.3
3,510	71	WSW	8.7
3,690	68	WSW	8.9
3,870	68	WSW	8.4
4,050	66	WSW	6.7
4,230	53	SW	5.5
4,410	51	SW	5.4
4,590	63	WSW	6.6
4,770	63	WSW	8.3
4,950	57	WSW	9.2
5,130	58	WSW	8.1
5,310	58	WSW	6.1
5,490	68	WSW	6.0
5,670	80	W	6.8
5,850	79	W	8.4
6,030	70	WSW	9.5
6,210	68	WSW	10.5
6,390	71	WSW	12.6
6,570	75	WSW	12.7
6,750	76	WSW	12.0
6,930	75	WSW	12.4
7,110	76	WSW	13.3
7,290	76	WSW	13.7

No. 315—Continued

Disappearance: Behind anemometer support.

No. 316. Nov. 20, 1929; 17h 32m. Clouds: 6 St NW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	293	ESE	1.3
216	124	NW	3.3
414	144	NW	6.0
612	138	NW	7.2
801	122	WNW	5.6
990	109	WNW	5.1
1,170	114	WNW	5.3
1,350	134	NW	5.3
1,530	145	NW	5.8
1,710	139	NW	5.3
1,890	130	NW	5.3
2,070	131	NW	6.9
2,250	132	NW	8.9
2,430	132	NW	9.6

Disappearance: Behind St.

No. 317. Nov. 21, 1929; 8h 51m. Clouds: 2 StCu NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	45	SW	4.0
216	73	WSW	4.8
414	132	NW	5.7
612	170	N	7.4
801	167	NNW	7.7
990	167	NNW	7.1
1,170	159	NNW	7.5
1,350	152	NNW	9.0
1,530	149	NNW	8.0
1,710	144	NW	7.3
1,890	136	NW	6.5
2,070	131	NW	5.9
2,250	130	NW	6.1
2,430	132	NW	6.0
2,610	136	NW	6.0
2,790	137	NW	6.6
2,970	138	NW	7.1
3,150	142	NW	7.2
3,330	145	NW	7.2
3,510	145	NW	7.7
3,690	147	NNW	8.1
3,870	146	NW	7.1
4,050	138	NW	6.1
4,230	137	NW	6.2
4,410	131	NW	6.8
4,590	122	WNW	7.3
4,770	124	NW	8.3
4,950	129	NW	9.0
5,130	138	NW	8.2
5,310	139	NW	6.5
5,490	130	NW	6.3
5,670	128	NW	9.0

No. 317—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
5,850	125	NW	11.0
6,030	116	WNW	11.8
6,210	109	WNW	13.3
6,390	108	WNW	14.5
6,570	109	WNW	14.2
6,750	111	WNW	13.0
6,930	116	WNW	11.5
7,110	128	NW	11.0
7,290	131	NW	10.4
7,470	121	WNW	8.4
7,650	117	WNW	8.0
7,830	117	WNW	9.8
8,010	117	WNW	10.0
8,190	115	WNW	9.6
8,370	120	WNW	9.0
8,550	129	NW	6.2
8,730	125	NW	8.0
8,910	123	WNW	9.0
9,090	124	NW	8.0
9,270	116	WNW	7.0
9,450	120	WNW	7.8
9,630	122	WNW	9.4
9,810	117	WNW	11.0
9,990	116	WNW	11.0
10,170	118	WNW	10.2
10,350	116	WNW	9.0
10,530	118	WNW	8.0
10,710	124	NW	6.8
10,890	124	NW	9.0
11,070	118	WNW	12.4
11,250	115	WNW	13.0
11,430	121	WNW	11.0
11,610	120	WNW	11.0
11,790	118	WNW	11.4
11,970	119	WNW	12.0
12,150	117	WNW	13.8
12,330	115	WNW	12.8
12,510	112	WNW	9.0
12,690	114	WNW	7.8
12,870	111	WNW	11.4
13,050	105	WNW	16.4
13,230	100	W	16.0
13,410	98	W	13.6

Disappearance: Distance.

No. 318. Nov. 22, 1929; 8h 19m. Clouds: 1 Ci WNW, 1 St W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	264	E	1.3
216	89	W	6.8
414	96	W	10.4
612	99	W	11.0
801	91	W	11.5
990	89	W	13.9
1,170	91	W	16.9
1,350	90	W	18.7
1,530	88	W	20.5
1,710	90	W	20.6
1,890	93	W	19.1
2,070	96	W	19.3
2,250	98	W	20.2
2,430	99	W	19.3
2,610	100	W	19.5
2,790	101	W	19.0
2,970	100	W	18.2
3,150	99	W	18.4
3,330	100	W	18.4

Disappearance: Distance.

No. 319. No. 22, 1929; 21h 25m. Clouds: 7 CiSt NW, 3 St. Vis.: 4. Mod. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	286	ESE	4.9
216	256	ENE	5.0
414	218	NE	2.9
612	195	NNE	2.6
801	201	NNE	1.6
990	322	SE	0.2
1,170	72	WSW	0.8
1,350	86	W	1.1
1,530	90	W	1.3
1,710	94	W	1.2
1,890	116	WNW	0.8
2,070	203	NNE	0.3
2,250	309	SE	0.6
2,430	306	SE	0.7
2,610	262	E	1.0
2,790	161	NNW	1.6
2,970	139	NW	4.5
3,150	132	NW	6.8
3,330	128	NW	9.0
3,510	129	NW	10.6
3,690	128	NW	11.2
3,870	131	NW	11.0
4,050	132	NW	12.0
4,230	130	NW	12.3
4,410	128	NW	12.5
4,590	127	NW	13.3

Disappearance: Entered CiSt, 4,590 m.

No. 320. Nov. 23, 1929; 8h 09m. Clouds: Few Ci (W?), 1 Cu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	18	SSW	2.2
216	329	SSE	3.8
414	3	S	2.9
612	43	SW	2.5
801	67	WSW	3.4
990	70	WSW	4.1
1,170	71	WSW	4.4
1,350	73	WSW	5.0
1,530	74	WSW	5.7
1,710	78	WSW	6.0
1,890	75	WSW	7.2
2,070	75	WSW	7.3
2,250	82	W	6.4
2,430	86	W	6.9
2,610	82	W	7.8
2,790	71	WSW	7.8
2,970	67	WSW	7.8
3,150	66	WSW	6.9
3,330	68	WSW	5.6
3,510	68	WSW	4.6
3,690	59	WSW	4.6
3,870	53	SW	5.5
4,050	56	SW	6.6
4,230	62	WSW	7.8
4,410	61	WSW	9.4
4,590	59	WSW	10.3
4,770	62	WSW	11.5
4,950	64	WSW	12.7
5,130	67	WSW	13.8
5,310	70	WSW	14.9
5,490	76	WSW	14.4
5,670	77	WSW	15.2
5,850	76	WSW	16.7
6,030	76	WSW	18.5
6,210	75	WSW	19.6
6,390	71	WSW	19.5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 320—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,570	70	WSW	18.2
6,750	76	WSW	18.0
6,930	80	W	19.5
7,110	80	W	18.8
7,290	82	W	18.1
7,470	86	W	18.8
7,650	80	W	18.9
7,830	78	WSW	19.2
8,010	80	W	16.3
8,190	77	WSW	13.0

Disappearance: Distance.

No. 321. Nov. 23, 1929; 16h 12 m. Clouds: 2 ACu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	49	SW	2.0
414	71	WSW	3.4
612	72	WSW	4.9
801	74	WSW	5.9
990	80	W	6.5
1,170	83	W	7.2
1,350	74	WSW	6.6
1,530	62	WSW	7.1
1,710	60	WSW	7.8
1,890	63	WSW	7.9
2,070	68	WSW	8.4
2,250	79	W	9.3
2,430	90	W	10.6
2,610	92	W	10.6
2,790	87	W	9.6
2,970	84	W	10.0
3,150	79	W	12.5
3,330	74	WSW	14.3
3,510	74	WSW	14.5
3,690	75	WSW	14.7

Disappearance: Behind anemometer support.

No. 322. Nov. 24, 1929; 11h 06m. Clouds: 10 StCu WNW. Vis.: 5. Lt. surface drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	7.1
216	253	ENE	4.4
414	190	N	2.2
612	190	N	2.1
801	183	N	2.5
990	180	N	3.2
1,170	183	N	3.4
1,350	186	N	3.5
1,530	187	N	2.1
1,710	27	SSW	0.4
1,890	24	SSW	2.7
2,070	44	SW	3.3
2,250	92	W	4.3
2,430	112	WNW	6.5
2,520	120	WNW	8.0

Disappearance: Entered StCu, 2,520 m.

No. 323. Nov. 24, 1929; 22h 09m. Clouds: 4 ACu SW, 3 StCu WSW, 2 St W. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	289	ESE	2.2
216	124	NW	1.7
414	98	W	3.4
612	66	WSW	2.2
801	71	WSW	1.9
990	70	WSW	1.6
1,170	62	WSW	1.8
1,350	59	WSW	2.3
1,530	60	WSW	2.7
1,710	65	WSW	3.2
1,890	74	WSW	3.5
2,070	85	W	4.4
2,250	64	WSW	5.7
2,430	43	SW	7.2
2,610	40	SW	7.4
2,790	40	SW	7.7
2,970	38	SW	8.9
3,150	36	SW	9.6

Disappearance: Behind St.

No. 324. Nov. 25, 1929; 13h 50m. Clouds: 1 StCu W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	103	WNW	4.5
216	90	W	8.2
414	84	W	11.2
612	84	W	14.7
801	85	W	17.2
990	89	W	16.2
1,170	94	W	14.4
1,350	93	W	13.5
1,530	85	W	13.1
1,710	82	W	14.2
1,890	82	W	15.9
2,070	76	WSW	17.3
2,250	72	WSW	17.8
2,430	70	WSW	18.3
2,610	72	WSW	19.5
2,790	73	WSW	20.8
2,970	73	WSW	20.5
3,150	72	WSW	19.4
3,330	69	WSW	18.7
3,510	69	WSW	19.8
3,690	69	WSW	20.9
3,870	68	WSW	20.7
4,050	67	WSW	22.2
4,230	68	WSW	23.5
4,410	69	WSW	21.9
4,590	69	WSW	21.4
4,770	66	WSW	23.2
4,950	65	WSW	22.7
5,130	62	WSW	23.5
5,310	60	WSW	23.8
5,490	61	WSW	24.3
5,670	61	WSW	25.0
5,850	61	WSW	24.8
6,030	58	WSW	24.2

Disappearance: Distance. Surface wind gusty.

No. 325. Nov. 26, 1929; 13h 44m. Clouds: 8 StCu SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	5.8
216	9	S	7.8
414	2	S	6.4
612	343	SSE	6.0
801	320	SE	7.4
990	312	SE	8.4
1,170	315	SE	8.8
1,350	315	SE	8.4
1,530	308	SE	8.5
1,710	304	SE	9.2
1,890	304	SE	9.7
2,070	306	SE	10.3
2,250	306	SE	10.3

Disappearance: Entered StCu, 2,250 m.

No. 326. Nov. 26, 1929; 22h 23m. Clouds: 2 ASt S.[1] Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	12	SSW	2.7
216	330	SSE	4.6
414	322	SE	6.0
612	332	SSE	6.3
801	350	S	6.8
990	8	S	8.5
1,170	16	SSW	9.1
1,350	14	SSW	10.3
1,530	14	SSW	11.2
1,710	16	SSW	10.3
1,890	18	SSW	10.3
2,070	18	SSW	10.5
2,250	11	S	9.8
2,430	5	S	9.0
2,610	359	S	9.2
2,790	352	S	9.5
2,970	351	S	9.3
3,150	352	S	9.0
3,330	347	SSE	8.8
3,510	349	S	8.2
3,690	351	S	8.5
3,870	352	S	8.8
4,050	354	S	7.7
4,230	354	S	6.1
4,410	2	S	5.3
4,590	14	SSW	5.2
4,770	17	SSW	6.0
4,950	16	SSW	6.3
5,130	20	SSW	5.9
5,310	35	SW	5.5
5,490	50	SW	5.7
5,670	47	SW	5.9
5,850	35	SW	5.9
6,030	26	SSW	6.0
6,210	21	SSW	6.6
6,390	15	SSW	6.8
6,570	14	SSW	5.5
6,750	18	SSW	5.4
6,930	18	SSW	5.2
7,110	21	SSW	3.8
7,290	27	SSW	4.0
7,470	30	SSW	4.3
7,650	42	SW	3.7

No. 326—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,830	63	WSW	4.7
8,010	63	WSW	6.4
8,190	55	SW	6.0
8,370	52	SW	5.3
8,550	60	WSW	6.4
8,730	58	WSW	6.8
8,910	60	WSW	5.6
9,090	69	WSW	4.8
9,270	62	WSW	6.2
9,450	62	WSW	6.7
9,630	66	WSW	6.6

[1] Lenticular patches.

Disappearance: Bursting.

No. 327. Nov. 27, 1929; 9h 46m. Clouds: 5 ACu W, 4 StCu (NE?). Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	6.7
216	268	E	10.3
414	258	ENE	7.4
612	241	ENE	4.0
801	235	NE	2.0
990	161	NNW	0.3
1,170	83	W	1.8
1,350	82	W	1.7
1,530	98	W	1.0
1,710	109	WNW	1.0
1,890	99	W	1.6
2,070	97	W	2.3
2,250	108	WNW	3.6
2,430	109	WNW	3.8
2,610	96	W	3.2
2,790	94	W	3.0

Disappearance: Entered ACu, 2,790 m.

No. 328. Nov. 27, 1929; 19h 16m. Clouds: 7 ACu SW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	288	ESE	5.4
216	279	E	11.4
414	270	E	10.9
612	263	E	9.3
801	247	ENE	7.7
990	237	ENE	6.8
1,170	246	ENE	4.0
1,350	282	ESE	2.1
1,530	293	ESE	3.0
1,710	293	ESE	3.8
1,890	313	SE	2.5
2,070	348	SSE	2.2
2,250	343	SSE	0.9
2,430	28	SSW	0.7
2,505	37	SW	0.5

Disappearance: Entered ACu, 2,505 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 329. Nov. 28, 1929; 10h 50m. Clouds: 3 ASt ENE, 3 ACu ENE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	283	ESE	5.4
216	282	ESE	7.5
414	275	E	4.7
612	266	E	3.0
801	256	ENE	3.6
990	259	E	5.3
1,170	265	E	6.7
1,350	264	E	7.7
1,530	257	ENE	8.0
1,710	251	ENE	7.2
1,890	249	ENE	6.4

Disappearance: Entered ASt, 1,890 m.

No. 330. Nov. 28, 1929; 13h 30m. Clouds: 8 StCu ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	5.4
216	298	ESE	8.3
414	305	SE	6.6
612	315	SE	5.6
801	313	SE	6.0
990	302	ESE	6.5
1,170	290	ESE	6.9
1,350	287	ESE	7.2
1,530	286	ESE	6.7
1,710	285	ESE	6.5
1,890	291	ESE	6.9
2,070	295	ESE	7.5
2,250	294	ESE	9.0
2,430	293	ESE	10.0

Disappearance: Entered StCu, 2,430 m.

No. 331. Nov. 28, 1929; 21h 42m. Clouds: 2 StCu ENE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	274	E	6.3
216	267	E	7.7
414	246	ENE	5.5
612	240	ENE	4.9
801	241	ENE	4.7
990	249	ENE	4.7
1,170	248	ENE	4.7
1,350	234	NE	4.5
1,530	221	NE	5.6
1,710	217	NE	7.0
1,890	229	NE	6.5
2,070	257	ENE	6.3
2,250	268	E	7.2
2,430	268	E	7.9
2,610	272	E	8.8
2,790	273	E	9.4
2,970	273	E	9.3
3,150	269	E	9.5
3,330	273	E	10.3
3,510	269	E	12.5
3,690	282	ESE	16.8
3,870	283	ESE	21.0

No. 331 Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,050	284	ESE	22.6
4,230	283	ESE	23.4
4,410	283	ESE	23.5
4,590	284	ESE	25.1
4,770	283	ESE	26.8
4,950	283	ESE	25.8
5,130	283	ESE	26.3
5,310	283	ESE	27.8
5,490	286	ESE	29.6
5,670	287	ESE	31.0

Disappearance: Distance.

No. 332. Nov. 29, 1929; 3h 52m. Clouds: Few St Cu(0?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	315	SE	1.8
216	316	SE	2.6
414	8	S	1.9
612	24	SSW	1.3
801	2	S	1.4
990	349	S	1.7
1,170	23	SSW	1.1
1,350	109	WNW	1.3
1,530	119	WNW	1.9
1,710	79	W	1.3
1,890	15	SSW	0.9
2,070	314	SE	0.6
2,250	302	ESE	1.1
2,430	316	SE	1.8
2,610	318	SE	2.2
2,790	328	SSE	2.3
2,970	322	SE	2.5
3,150	301	ESE	4.2
3,330	298	ESE	7.7
3,510	301	ESE	10.6
3,690	302	ESE	12.3
3,870	301	ESE	12.9
4,050	302	ESE	13.4
4,230	306	SE	15.2
4,410	305	SE	16.9
4,590	305	SE	17.0
4,770	305	SE	17.3
4,950	307	SE	18.2
5,130	308	SE	19.3
5,310	308	SE	19.9
5,490	307	SE	19.5
5,670	308	SE	20.2
5,850	311	SE	19.7
6,030	313	SE	18.7
6,210	313	SE	19.2
6,390	315	SE	20.0
6,570	320	SE	21.6
6,750	323	SE	22.0
6,930	320	SE	21.5
7,110	321	SE	22.0
7,290	322	SE	24.0
7,470	324	SE	24.0
7,650	324	SE	24.0
7,830	326	SE	24.6
8,010	325	SE	25.0
8,190	325	SE	25.4
8,370	327	SSE	25.4

Disappearance: Distance

No. 333. Nov. 29, 1929; 21h 39m. Clouds: 9 StCu N. Vis.: 6. Few flakes of snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	217	NE	5.8
216	213	NNE	9.7
414	198	NNE	8.8
612	186	N	8.4
801	177	N	7.9
990	177	N	8.1
1,170	178	N	9 1
1,230	174	N	9.8

Disappearance: Entered StCu, 1230 m.

No. 334. Nov. 30, 1929; 9h 34m. Clouds: 1 Ci, 1 StCu ENE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	8.1
216	275	E	11.8
414	262	E	9.7
612	250	ENE	6.9
801	242	ENE	5.9
990	244	ENE	5.8
1,170	241	ENE	5.7
1,350	238	ENE	4.7
1,530	240	ENE	3.5
1,710	240	ENE	3.8
1,890	242	ENE	4.9
2,070	245	ENE	5.5
2,250	233	NE	6.0
2,430	218	NE	6.8
2,610	217	NE	5.9
2,790	228	NE	5.2
2,970	238	ENE	6.6
3,150	239	ENE	7.5

Disappearance: Out of field.

No. 335. Dec. 1, 1929; 18h 57m. Clouds: Few Ci, Few StCu. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	25	SSW	1.8
216	18	SSW	2.5
414	11	S	1.0
612	262	E	1.0
801	245	ENE	1.0
990	330	SSE	1.8
1,170	345	SSE	1.0
1,350	245	ENE	0.6
1,530	238	ENE	1.2
1,710	171	N	0.5
1,890	117	WNW	1.6
2,070	68	WSW	1.6
2,250	34	SW	3.2
2,430	19	SSW	2.9
2,610	345	SSE	3.2
2,790	321	SE	3.9
2,970	316	SE	5.2
3,150	321	SE	6.6
3,330	327	SSE	7.9
3,510	330	SSE	9.0
3,690	330	SSE	9.5
3,870	329	SSE	9.2

Disappearance: Bursting.

No. 336. Dec. 2, 1929; 10h 31m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	19	SSW	1.8
216	19	SSW	2.3
414	38	SW	2.5
612	45	SW	2.7
801	44	SW	2.6
990	42	SW	2.5
1,170	24	SSW	2.6
1,350	5	S	3.0
1,530	356	S	3.3
1,710	355	S	4.5
1,890	1	S	5.7
2,070	1	S	6.3
2,250	354	S	7.2
2,430	355	S	8.0
2,610	357	S	8.0
2,790	357	S	8.2
2,970	356	S	8.8
3,150	347	SSE	8.2
3,330	338	SSE	7.8
3,510	341	SSE	8.5
3,690	338	SSE	7.8
3,870	337	SSE	7.0
4,050	334	SSE	7.1
4,230	333	SSE	6.5
4,410	340	SSE	6.1
4,590	336	SSE	6.2
4,770	328	SSE	5.9
4,950	326	SE	6.0
5,130	325	SE	6.0
5,310	322	SE	5.7
5,490	329	SSE	5.7
5,670	332	SSE	5.7
5,850	331	SSE	5.8
6,030	321	SE	5.5
6,210	317	SE	5.3
6,390	315	SE	5.6
6,570	306	SE	5.0
6,750	294	ESE	4.5
6,930	286	ESE	4.5
7,110	282	ESE	3.7
7,290	294	ESE	3.4
7,470	286	ESE	3.0
7,650	251	ENE	2.8
7,830	215	NE	2.0
8,010	223	NE	2.6
8,190	230	NE	4.2
8,370	224	NE	4.2
8,550	202	NNE	3.5
8,730	174	N	3.1
8,910	194	NNE	4.1
9,090	202	NNE	4.2
9,270	206	NNE	2.9
9,450	226	NE	2.5
9,630	222	NE	3.4
9,810	215	NE	3.8
9,990	227	NE	1.2
10,170	230	NE	1.9
10,350	245	ENE	1.0

Disappearance: Bursting.

No. 337. Dec. 2, 1929; 21h 50m. Clouds: Few Ci. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	2.2
216	293	ESE	3.3
414	315	SE	2.1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 337—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	309	SE	2.5
801	315	SE	2.5
990	333	SSE	1.9
1,170	343	SSE	1.9
1,350	344	SSE	2.4
1,530	356	S	2.8
1,710	354	S	3.2
1,890	342	SSE	3.8
2,070	346	SSE	4.2
2,250	351	S	4.0
2,430	343	SSE	3.8
2,610	339	SSE	3.7
2,790	343	SSE	4.7
2,970	328	SSE	5.5
3,150	310	SE	5.4
3,330	308	SE	3.9
3,510	315	SE	3.3
3,690	322	SE	3.5
3,870	311	SE	4.2
4,050	298	ESE	4.8
4,230	303	ESE	4.6
4,410	310	SE	4.4
4,590	303	ESE	4.2
4,770	293	ESE	4.6
4,950	289	ESE	4.9
5,130	288	ESE	4.8
5,310	293	ESE	4.4
5,490	299	ESE	4.2
5,670	307	SE	4.2
5,850	308	SE	4.5
6,030	295	ESE	4.9
6,210	289	ESE	5.1
6,390	289	ESE	5.0

Disappearance: Bursting.

No. 338. Dec. 3, 1929; 13h 14m. Clouds: 7 CiSt NNE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	357	S	3.1
216	334	SSE	3.3
414	322	SE	4.3
612	316	SE	4.8
801	307	SE	4.2
990	297	ESE	3.4
1,170	290	ESE	3.2
1,350	278	E	3.5
1,530	269	E	3.2
1,710	292	ESE	3.6
1,890	304	SE	4.9
2,070	299	ESE	4.1
2,250	280	E	3.8
2,430	257	ENE	3.5
2,610	256	ENE	3.0
2,790	286	ESE	3.5
2,970	301	ESE	3.4
3,150	283	ESE	3.6
3,330	259	E	5.4
3,510	243	ENE	7.1
3,690	231	NE	7.5
3,870	216	NE	8.5
4,050	210	NNE	9.5
4,230	198	NNE	9.4
4,410	187	N	11.2
4,590	189	N	14.0
4,770	197	NNE	17.3
4,950	203	NNE	19.4
5,130	205	NNE	21.0
5,310	204	NNE	21.1

No. 338—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,490	202	NNE	19.7
5,670	198	NNE	20.0
5,850	193	NNE	21.6
6,030	193	NNE	23.9
6,210	196	NNE	25.0
6,390	197	NNE	26.0
6,570	199	NNE	26.9
6,750	201	NNE	27.0
6,930	202	NNE	27.0
7,110	203	NNE	26.5

Disappearance: Against Ci.

No. 339. Dec. 3, 1929; 22h 05m. Clouds: 10 ASt ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	1.8
216	313	SE	6.9
414	298	ESE	11.6
612	290	ESE	9.9
801	277	E	7.2
990	272	E	6.8
1,170	271	E	7.0
1,350	269	E	7.5
1,530	273	E	8.1
1,710	273	E	7.6
1,890	278	E	7.1
2,070	284	ESE	7.5
2,250	276	E	7.9
2,430	270	E	7.8
2,610	264	E	7.5
2,790	257	ENE	7.8

Disappearance: Entered ASt, 2,790 m.

No. 340. Dec. 4, 1929; 10h 18m. Clouds: 3 Ci ENE, 3 CiSt ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	283	ESE	4.0
216	316	SE	4.9
414	2	S	4.5
612	21	SSW	3.9
801	20	SSW	3.1
990	0	S	2.6
1,170	336	SSE	1.4
1,350	168	NNW	1.5
1,530	167	NNW	4.0
1,710	183	N	5.2
1,890	202	NNE	5.0
2,070	221	NE	5.7
2,250	231	NE	7.7
2,430	233	NE	9.4
2,610	233	NE	9.3
2,790	215	NE	7.5
2,970	198	NNE	7.7
3,150	209	NNE	7.7
3,330	228	NE	8.3
3,510	238	ENE	9.4
3,690	241	ENE	8.4
3,870	250	ENE	6.5
4,050	262	E	6.2
4,230	260	E	7.8
4,410	257	ENE	9.3
4,590	256	ENE	9.6
4,770	253	ENE	9.2

No. 340—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,950	254	ENE	9.4
5,130	249	ENE	12.0
5,310	246	ENE	12.2
5,490	241	ENE	12.2
5,670	239	ENE	12.6
5,850	235	NE	12.3
6,030	232	NE	10.2
6,210	231	NE	9.5
6,390	229	NE	8.4
6,570	224	NE	8.1
6,750	222	NE	8.4
6,930	225	NE	8.8
7,110	226	NE	9.3
7,290	230	NE	9.3
7,470	230	NE	8.8
7,650	234	NE	7.9
7,830	241	ENE	8.0
8,010	241	ENE	8.8
8,190	236	NE	8.6
8,370	237	ENE	9.0
8,550	237	ENE	8.4
8,730	234	NE	8.8
8,910	233	NE	10.4
9,090	237	ENE	10.9
9,270	247	ENE	10.0
9,450	246	ENE	10.0
9,630	238	ENE	10.3
9,810	232	NE	10.5

Disappearance: Distance.

No. 341. Dec. 4, 1929; 22h 05m. Clouds: Few Ci (NE?), Few ACu NE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	47	SW	1.8
216	29	SSW	6.4
414	32	SSW	7.3
612	37	SW	6.1
801	44	SW	4.3
990	44	SW	5.1
1,170	45	SW	6.5
1,350	44	SW	7.2
1,530	41	SW	7.4
1,710	45	SW	6.3
1,890	59	WSW	4.2
2,070	77	WSW	1.9
2,250	246	ENE	.9
2,430	256	ENE	2.2
2,610	276	E	1.8
2,790	275	E	3.0
2,970	255	ENE	4.3
3,150	242	ENE	3.6
3,330	218	NE	4.3
3,510	219	NE	7.2
3,690	228	NE	7.0
3,870	231	NE	6.0
4,050	231	NE	6.7
4,230	233	NE	7.9
4,410	233	NE	9.0
4,590	232	NE	10.1
4,770	228	NE	11.5
4,950	223	NE	12.4
5,130	219	NE	13.0
5,310	213	NNE	13.7
5,490	211	NNE	13.8
5,670	212	NNE	13.9
5,850	215	NE	14.0
6,030	216	NE	14.2
6,210	217	NE	13.9

No. 341—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,390	217	NE	13.8
6,570	219	NE	13.9
6,750	217	NE	13.4
6,930	217	NE	12.7
7,110	213	NNE	12.2
7,290	210	NNE	12.3
7,470	208	NNE	12.3
7,650	205	NNE	11.0
7,830	207	NNE	9.0
8,010	218	NE	7.8
8,190	224	NE	8.6
8,370	219	NE	9.9
8,550	217	NE	9.4
8,730	208	NNE	8.5
8,910	199	NNE	8.5
9,090	196	NNE	9.3
9,270	196	NNE	7.6
9,450	196	NNE	6.2
9,630	198	NNE	6.6
9,810	209	NNE	7.7
9,990	204	NNE	5.8
10,170	211	NNE	3.2
10,350	249	ENE	2.8

Disappearance: Bursting.

No. 342. Dec. 5, 1929; 9h 08m. Clouds: Few ASt NNE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	48	SW	2.7
216	30	SSW	6.5
414	33	SSW	7.7
612	42	SW	8.4
801	46	SW	8.6
990	48	SW	9.5
1,170	51	SW	11.4
1,350	52	SW	13.0
1,530	52	SW	11.8
1,710	52	SW	8.7
1,890	53	SW	10.3
2,070	58	WSW	10.2
2,250	60	WSW	9.8
2,430	62	WSW	7.8
2,610	75	WSW	4.3
2,790	102	WNW	1.8
2,970	161	NNW	5.0
3,150	170	N	7.7
3,330	184	N	6.3
3,510	191	N	6.2
3,690	202	NNE	6.4
3,870	206	NNE	6.6
4,050	206	NNE	6.7
4,230	203	NNE	8.1
4,410	201	NNE	9.7
4,590	203	NNE	9.8
4,770	199	NNE	10.9
4,950	197	NNE	12.2
5,130	194	NNE	11.8
5,310	193	NNE	12.0
5,490	197	NNE	11.9
5,670	200	NNE	11.5
5,850	198	NNE	11.6
6,030	196	NNE	12.2
6,210	195	NNE	12.8
6,390	194	NNE	13.0
6,570	192	NNE	13.2
6,750	194	NNE	13.7
6,930	195	NNE	14.5
7,110	195	NNE	14.5
7,290	198	NNE	14.6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 342—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,470	199	NNE	15.0
7,650	198	NNE	15.0
7,830	199	NNE	15.0
8,010	195	NNE	13.5
8,190	189	N	13.9
8,370	186	N	14.7
8,550	183	N	14.0
8,730	184	N	12.7
8,910	184	N	12.0
9,090	183	N	11.5
9,270	182	N	10.6
8,450	182	N	10.8
9,630	184	N	10.2
9,810	175	N	9.8
9,990	160	NNW	8.0
10,170	168	NNW	6.1
10,350	170	N	6.0
10,530	335	SSE	2.0
10,710	335	SSE	2.5
10,890	328	SSE	3.5

Disappearance: Bursting.

No. 343. Dec. 5, 1929; 21h 36m. Clouds: 4 ACu NW, Few St WSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	25	SSW	2.7
216	56	SW	4.7
414	68	WSW	6.4
612	75	WSW	6.8
801	68	WSW	7.0
990	64	WSW	7.2
1,170	74	WSW	6.8
1,350	81	W	6.2
1,530	85	W	5.7
1,710	84	W	5.6
1,890	92	W	4.9
2,070	120	WNW	4.2
2,250	134	NW	4.7
2,430	131	NW	5.4
2,610	135	NW	7.0
2,790	141	NW	7.9
2,970	138	NW	7.5
3,150	128	NW	7.7
3,330	140	NW	7.5
3,510	164	NNW	9.3
3,690	170	N	10.9
3,870	171	N	11.3
4,050	170	N	12.4
4,230	165	NNW	12.9
4,410	163	NNW	12.6
4,590	168	NNW	13.7
4,770	171	N	15.8
4,950	174	N	16.8
5,130	174	N	16.8

Disappearance: Local smoke.

No. 344. Dec. 6, 1929; 8h 19m. Clouds: Few ASt NNW, 1 StCu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	1.8
216	23	SSW	4.3
414	51	SW	6.4
612	68	WSW	8.0
801	81	W	7.9
990	85	W	6.1

No. 344—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,170	119	WNW	2.2
1,350	198	NNE	2.8
1,530	192	NNE	3.6
1,710	177	N	4.5
1,890	161	NNW	5.1
2,070	150	NNW	5.0
2,250	136	NW	5.2
2,430	125	NW	6.0
2,610	120	WNW	6.9
2,790	124	NW	7.5
2,970	126	NW	8.1
3,150	130	NW	8.2
3,330	134	NW	8.3
3,510	136	NW	8.8
3,690	137	NW	9.8
3,870	140	NW	10.9
4,050	143	NW	11.5
4,230	146	NW	12.2
4,410	147	NNW	13.7
4,590	147	NNW	15.6
4,770	150	NNW	16.8
4,950	153	NNW	18.4
5,130	154	NNW	21.2
5,310	156	NNW	24.0
5,490	159	NNW	24.7
5,670	161	NNW	24.6
5,850	160	NNW	24.5
6,030	162	NNW	26.5
6,210	164	NNW	28.5
6,390	165	NNW	29.4
6,570	165	NNW	30.9
6,750	165	NNW	31.5

Disappearance: Distance.

No. 345. Dec. 6, 1929; 21h 43m. Clouds: Few StCu (W?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	262	E	2.2
216	185	N	2.7
414	136	NW	4.7
612	131	NW	5.2
801	141	NW	5.4
990	144	NW	4.5
1,170	143	NW	2.7
1,350	96	W	0.8
1,530	70	WSW	1.3
1,710	98	W	1.6
1,890	107	WNW	1.6
2,070	100	W	1.2
2,250	82	W	1.2
2,430	92	W	1.9
2,610	110	WNW	2.3
2,790	125	NW	2.6
2,970	125	NW	4.0
3,150	129	NW	5.3
3,330	128	NW	6.1
3,510	125	NW	7.0
3,690	128	NW	7.9
3,870	127	NW	8.5
4,050	130	NW	8.9
4,230	133	NW	9.3
4,410	128	NW	9.6
4,590	123	WNW	10.5
4,770	124	NW	10.6
4,950	127	NW	10.7
5,130	128	NW	11.0
5,310	128	NW	11.5
5,490	129	NW	12.8
5,670	132	NW	13.0

No. 345—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,850	133	NW	12.6
6,030	134	NW	12.7
6,210	136	NW	12.9
6,390	138	NW	13.8
6,570	138	NW	14.5
6,750	132	NW	14.5
6,930	129	NW	15.5
7,110	132	NW	16.7
7,290	130	NW	16.9
7,470	127	NW	16.5
7,650	129	NW	16.7
7,830	130	NW	16.5
8,010	134	NW	16.0
8,190	133	NW	16.0
8,370	130	NW	15.5
8,550	130	NW	15.6
8,730	130	NW	14.2
8,910	133	NW	11.8
9,090	136	NW	12.5

Disappearance: Distance.

No. 346. Dec. 7, 1929; 9h. Clouds: Few Ci W, Few St SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	57	WSW	2.2
216	50	SW	3.2
414	42	SW	3.8
612	34	SW	4.5
801	34	SW	5.4
990	37	SW	5.4
1,170	35	SW	5.2
1,350	36	SW	5.4
1,530	46	SW	5.4
1,710	48	SW	5.5
1,890	51	SW	5.7
2,070	61	WSW	5.2
2,250	67	WSW	5.9
2,430	75	WSW	6.4
2,610	80	W	6.8
2,790	84	W	6.7
2,970	87	W	7.0
3,150	90	W	7.4
3,330	92	W	8.6
3,510	93	W	9.8
3,690	90	W	10.5
3,870	91	W	11.0
4,050	92	W	12.8
4,230	94	W	13.1
4,410	97	W	13.3
4,590	96	W	13.9
4,770	94	W	13.0
4,950	93	W	13.5
5,130	92	W	14.3
5,310	90	W	15.4
5,490	92	W	17.8
5,670	93	W	18.6
5,950	93	W	20.0
6,030	91	W	22.0
6,210	90	W	22.5
6,390	90	W	23.8
6,570	90	W	23.8
6,750	92	W	23.5
6,930	93	W	24.5
7,110	93	W	23.4
7,290	90	W	23.5
7,470	88	W	23.8
7,650	89	W	22.6
7,830	91	W	22.0
8,010	90	W	22.6

No. 246—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
8,190	88	W	22.8
8,370	86	W	21.8

Disappearance: Distance.

No. 347. Dec. 7, 1929; 20h 54m. Clouds: 1 Ci W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	308	SE	1.3
216	26	SSW	3.2
414	48	SW	4.5
612	58	WSW	4.7
801	63	WSW	4.4
990	62	WSW	5.1
1,170	53	SW	6.2
1,350	40	SW	6.5
1,530	33	SSW	7.0
1,710	36	SW	7.0
1,890	36	SW	6.2
2,070	44	SW	5.8
2,250	56	SW	5.8
2,430	71	WSW	5.8
2,610	75	WSW	5.8
2,790	69	WSW	6.2
2,970	68	WSW	7.3
3,150	72	WSW	8.6
3,330	74	WSW	9.4
3,510	75	WSW	11.2
3,690	79	W	12.3
3,870	82	W	12.3
4,050	82	W	13.2
4,230	82	W	14.9
4,410	84	W	16.4
4,590	84	W	18.3
4,770	83	W	19.2
4,950	84	W	19.4
5,130	84	W	22.2
5,310	84	W	24.9
5,490	83	W	26.4
5,670	82	W	29.0
5,850	84	W	30.0
6,030	86	W	29.8
6,210	88	W	29.0
6,390	88	W	29.0
6,570	87	W	30.8
6,750	86	W	31.2
6,930	86	W	31.4
7,110	85	W	31.0
7,290	85	W	32.8
7,470	87	W	35.2
7,650	87	W	37.5
7,830	87	W	42.0

Disappearance: Distance.

No. 348. Dec. 8, 1929; 9h 38m. Clouds: 1 CiSt W, 8 StCu W. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	254	ENE	4.0
216	251	ENE	1.7
414	66	WSW	1.0
612	66	WSW	3.6
801	71	WSW	5.6
990	78	WSW	6.0
1,170	83	W	11.1

Disappearance: StCu, 1,170 m. Balloon entered cloud base at 943 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 349. Dec. 9, 1929; 14h 30m. Clouds: Few ASt WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	65	WSW	2. 2
216	53	SW	3. 0
414	63	WSW	4. 3
612	72	WSW	5. 0
801	77	WSW	5. 2
990	77	WSW	5. 5
1, 170	72	WSW	5. 5
1, 350	64	WSW	6. 0
1, 530	59	WSW	6. 4
1, 710	49	SW	7. 0
1, 890	45	SW	8. 0
2, 070	50	SW	8. 0
2, 250	56	SW	7. 4
2, 430	61	WSW	6. 9
2, 610	64	WSW	7. 6
2, 790	62	WSW	8. 9
2, 970	64	WSW	10. 4
3, 150	66	WSW	11. 5
3, 330	66	WSW	13. 4
3, 510	66	WSW	14. 5
3, 690	65	WSW	15. 0
3, 870	66	WSW	16. 3
4, 050	66	WSW	18. 9
4, 230	66	WSW	21. 0
4, 410	68	WSW	23. 2
4, 590	69	WSW	25. 8
4, 770	68	WSW	27. 5
4, 950	70	WSW	29. 4
5, 130	71	WSW	33. 6
5, 310	70	WSW	36. 0

Disappearance: Local smoke.

No. 350. Dec. 9, 1929; 21h 13m. Clouds: Few ASt WSW, Few St SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	15	SSW	2. 2
216	29	SSW	4. 5
414	49	SW	5. 1
612	47	SW	5. 6
801	64	WSW	5. 5
990	78	WSW	5. 5
1, 170	75	WSW	5. 7
1, 350	71	WSW	6. 2
1, 530	77	WSW	6. 9
1, 710	79	W	7. 5
1, 890	68	WSW	7. 5
2, 070	66	WSW	8. 2
2, 250	72	WSW	8. 5
2, 430	72	WSW	8. 2
2, 610	73	WSW	8. 4
2, 790	75	WSW	9. 2
2, 970	72	WSW	9. 9
3, 150	72	WSW	11. 0
3, 330	74	WSW	11. 8
3, 510	73	WSW	12. 2
3, 690	71	WSW	13. 7
3, 870	71	WSW	15. 2
4, 050	69	WSW	15. 5
4, 230	71	WSW	15. 5
4, 410	71	WSW	17. 4
4, 590	72	WSW	20. 3
4, 770	74	WSW	21. 3
4, 950	77	WSW	21. 6
5, 130	79	W	22. 5
5, 310	78	WSW	23. 2

Disappearance: Local smoke.

No. 351. Dec. 10, 1929; 9h 39m. Clouds: 9 St E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	5. 8
216	268	E	7. 6
414	262	E	4. 0
546	269	E	1. 5

Disappearance: Entered St, 546 m.

No. 352. Dec. 10, 1929; 15h 43m. Clouds: 1 CiSt (NW?), 7 StCu WNW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	283	ESE	2. 2
216	283	ESE	9. 7
414	306	SE	6. 0
612	345	SSE	3. 3
801	76	WSW	1. 1
990	120	WNW	2. 1
1, 170	133	NW	3. 8
1, 350	126	NW	4. 0
1, 440	118	WNW	3. 2

Disappearance: Entered St-Cu, 1,440 m.

No. 353. Dec. 11, 1929; 11h 23m. Clouds: 8 ACu S. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	5. 4
216	7	S	5. 1
414	5	S	5. 9
612	355	S	7. 3
801	350	S	8. 2
990	350	S	7. 8
1, 170	342	SSE	6. 4
1, 350	339	SSE	7. 0
1, 530	342	SSE	7. 4
1, 710	358	S	6. 8
1, 890	12	SSW	7. 4
2, 070	13	SSW	7. 5
2, 250	16	SSW	7. 3
2, 430	14	SSW	6. 8
2, 610	11	S	6. 5
2, 790	8	S	6. 5

Disappearance: Entered ACu, 2,790 m.

No. 354. Dec. 11, 1929; 21h 51m. Clouds: 3 ACu S. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	48	SW	4. 0
216	29	SSW	9. 0
414	22	SSW	10. 7
612	24	SSW	10. 9
801	28	SSW	11. 9
990	30	SSW	12. 0
1, 170	33	SSW	11. 3
1, 350	34	SW	10. 5
1, 530	33	SSW	9. 8
1, 710	32	SSW	9. 6
1, 890	36	SW	9. 4
2, 070	38	SW	9. 2

No. 354—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 250	34	SW	9. 5
2, 430	37	SW	9. 7
2, 610	43	SW	9. 3
2, 790	42	SW	9. 3
2, 970	33	SSW	9. 5
3, 150	21	SSW	7. 7
3, 330	5	S	5. 4
3, 510	8	S	4. 9

Disappearance: Entered ACu, 3,510 m.

No. 355. Dec. 12, 1929; 9h. Clouds: ASt SW, ACu SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	65	WSW	1. 8
216	44	SW	4. 3
414	40	SW	4. 3
612	14	SSW	5. 4
801	13	SSW	7. 9
990	28	SSW	8. 7
1, 170	43	SW	8. 5
1, 350	51	SW	7. 9
1, 530	52	SW	7. 0
1, 710	57	WSW	6. 2
1, 890	66	WSW	5. 4
2, 070	70	WSW	5. 5
2, 250	70	WSW	5. 6
2, 430	71	WSW	5. 3
2, 610	71	WSW	5. 5
2, 790	66	WSW	6. 2
2, 970	60	WSW	6. 7
3, 150	57	WSW	7. 5
3, 330	48	SW	8. 3
3, 510	42	SW	8. 5
3, 690	39	SW	9. 0
3, 870	42	SW	9. 9
4, 050	44	SW	10. 2
4, 230	42	SW	10. 8
4, 410	43	SW	11. 5
4, 590	44	SW	11. 2
4, 770	44	SW	11. 0
4, 950	41	SW	11. 8
5, 130	40	SW	13. 7
5, 310	41	SW	15. 5
5, 490	40	SW	16. 2
5, 670	38	SW	16. 5

Disappearance: Local smoke.

No. 356. Dec. 12, 1929; 22h. Clouds: 9 StCu W, Few Cu W. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	143	NW	1. 8
216	119	WNW	5. 6
414	108	WNW	5. 5
612	105	WNW	4. 8
801	105	WNW	4. 0
990	91	W	3. 7
1, 170	86	W	4. 3
1, 350	87	W	5. 2
1, 530	87	W	5. 9
1, 710	87	W	6. 2
1, 890	90	W	5. 6
2, 070	90	W	5. 0

Disappearance: Entered StCu, 2,070 m.

No. 357. Dec. 14, 1929; 21h 11m. Clouds: 5 StCu, SSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	360	S	2. 7
216	354	S	5. 4
414	354	S	5. 8
612	359	S	6. 5
801	21	SSW	6. 8
990	36	SW	8. 9
1, 170	37	SW	10. 5
1, 350	35	SW	11. 1
1, 530	34	SW	11. 9
1, 710	31	SSW	12. 2
1, 890	30	SSW	11. 9

Disappearance: Behind StCu.

No. 358. Dec. 15, 1929; 18h. 10m. Clouds: 2 ASt W, 1 St W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	80	W	1. 3
216	79	W	4. 4
414	80	W	4. 6
612	87	W	5. 3
801	86	W	7. 4
990	80	W	8. 6
1, 170	78	WSW	8. 9
1, 350	76	WSW	10. 3
1, 530	77	WSW	11. 4
1, 710	79	W	11. 9
1, 890	79	W	11. 5
2, 070	78	WSW	10. 6
2, 250	79	W	10. 1
2, 430	81	W	9. 9
2, 610	80	W	10. 8
2, 790	81	W	11. 9
2, 970	84	W	13. 1
3, 150	86	W	14. 4

Disappearance: Bursting (?).

No. 359. Dec. 16, 1929; 10h 31m. Clouds: 9 St SW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	276	E	5. 8
216	302	ESE	4. 4
414	25	SSW	4. 5
612	36	SW	5. 4
801	40	SW	4. 8
943	44	SW	4. 8

Disappearance: Entered St, 943 m.

No. 360. Dec. 17, 1929; 10h 46m. Clouds: 9 ACu NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	330	SSE	0. 9
216	302	ESE	4. 3
414	301	ESE	8. 7
612	294	ESE	10. 0
801	292	ESE	8. 2
990	300	ESE	7. 1
1, 170	310	SE	6. 9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 360—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,350	316	SE	7.0
1,530	315	SE	7.3
1,710	298	ESE	6.5
1,890	264	E	5.9
2,070	253	ENE	5.9
2,250	252	ENE	6.1
2,430	262	E	6.5
2,610	262	E	6.9
2,790	245	ENE	6.5
2,970	237	ENE	6.9
3,150	233	NE	7.8
3,330	228	NE	8.0
3,510	225	NE	7.5
3,690	225	NE	7.3

Disappearance: Entered ACu, 3690 m.

No. 361. Dec. 19, 1929; 13h 47m. Clouds: 3 Ci, 4 StCu, ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	293	ESE	5.4
216	284	ESE	6.7
414	269	E	5.9
612	259	E	6.8
801	250	ENE	8.0
990	238	ENE	8.6
1,170	222	NE	8.3
1,350	209	NNE	6.1
1,530	206	NNE	4.2
1,710	231	NE	4.3
1,890	255	ENE	4.5
2,070	281	E	4.0
2,250	292	ESE	4.3
2,430	287	ESE	3.5
2,610	288	ESE	3.4
2,790	291	ESE	4.8
2,970	284	ESE	6.3
3,150	276	E	7.0
3,330	269	E	7.0
3,510	270	E	7.0
3,690	279	E	6.1
3,870	284	ESE	5.9
4,050	283	ESE	6.4
4,230	280	E	6.7
4,410	279	E	7.2
4,590	279	E	8.0
4,770	282	ESE	8.0
4,950	286	ESE	8.0
5,130	286	ESE	8.6
5,310	286	ESE	9.2
5,490	288	ESE	9.0
5,670	290	ESE	9.7
5,850	286	ESE	10.5
6,030	287	ESE	10.8

Disappearance: Behind StCu.

No. 362. Dec. 19, 1929; 21h 30m. Clouds: Few ACu E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	320	SE	5.4
216	306	SE	12.0
414	313	SE	9.4
612	336	SSE	7.2

No. 362—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	346	SSE	7.4
990	320	SE	5.7
1,170	288	ESE	6.3
1,350	286	ESE	6.1
1,530	287	ESE	5.7
1,710	286	ESE	5.2
1,890	283	ESE	5.1
2,070	273	E	5.9
2,250	275	E	6.1
2,430	282	ESE	6.4
2,610	279	E	7.3
2,790	277	E	6.6
2,970	275	E	5.4
3,150	281	E	5.2
3,330	279	E	5.5
3,510	269	E	5.7
3,690	264	E	5.7
3,870	262	E	4.9
4,050	254	ENE	4.5
4,230	242	ENE	5.6
4,410	237	ENE	7.2
4,590	236	NE	7.2
4,770	236	NE	7.0
4,950	236	NE	7.5
5,130	233	NE	8.1
5,310	230	NE	9.0
5,490	226	NE	9.5
5,670	226	NE	8.7
5,850	218	NE	8.5
6,030	216	NE	9.7
6,210	217	NE	9.1
6,390	216	NE	7.8
6,570	223	NE	7.4
6,750	228	NE	8.9
6,930	229	NE	10.6
7,110	229	NE	10.1
7,290	234	NE	8.8
7,470	234	NE	8.2
7,650	237	ENE	8.3
7,830	239	ENE	9.4
8,010	235	NE	10.0
8,190	227	NE	10.4
8,370	214	NE	11.5
8,550	205	NNE	13.2
8,730	210	NNE	13.8
8,910	215	NE	12.3
9,090	213	NNE	12.4
9,270	213	NNE	12.9
9,450	209	NNE	12.8
9,630	208	NNE	12.8
9,810	208	NNE	12.5
9,990	208	NNE	11.0
10,170	209	NNE	10.4
10,350	214	NE	10.1
10,530	218	NE	10.1
10,710	221	NE	10.0
10,890	219	NE	8.6
11,070	221	NE	7.5
11,250	223	NE	7.0

Disappearance: Bursting.

No. 363. Dec. 20, 1929; 9h 32m. Clouds: 4 ASt ENE, 3 ACu ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	310	SE	6.3
216	300	ESE	13.7
414	296	ESE	9.4

No. 363—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	313	SE	4.3
801	304	SE	6.3
990	291	ESE	7.0
1,170	284	ESE	7.1
1,350	271	E	7.1
1,530	264	E	7.7
1,710	260	E	8.5
1,890	249	ENE	9.8
2,070	242	ENE	11.2
2,250	242	ENE	11.4

Disappearance: Entered ACu, 2,250 m.

No. 364. Dec. 20, 1929; 20h 47m. Clouds: 9 ASt ESE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	6.3
216	283	ESE	13.9
414	280	E	15.1
612	273	E	12.4
801	264	E	7.8
990	275	E	3.6
1,170	329	SSE	4.0
1,350	332	SSE	6.0
1,530	316	SE	6.2
1,710	300	ESE	8.5
1,890	297	ESE	12.8
2,070	298	ESE	15.5
2,250	297	ESE	15.7
2,430	291	ESE	15.0
2,610	286	ESE	15.0
2,790	282	ESE	15.6
2,970	279	E	15.6
3,150	281	E	14.1
3,330	284	ESE	12.6
3,510	288	ESE	12.2

Disappearance: Entered ASt, 3,510 m.

No. 365. Dec. 21, 1929; 9h 58 m. Clouds: 2 CiSt ENE, 2 ASt NE, 3 StCu NE, Few St NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	5.4
216	241	ENE	8.8
414	222	NE	9.7
612	215	NE	9.6
801	214	NE	9.6
990	221	NE	10.1
1,170	229	NE	10.6
1,350	233	NE	11.1
1,530	237	ENE	10.9
1,710	243	ENE	10.0
1,890	246	ENE	8.6
2,070	234	NE	7.9
2,250	224	NE	8.4
2,430	231	NE	9.2
2,610	233	NE	10.7
2,790	234	NE	11.0

Disappearance: Behind StCu.

No. 366. Dec. 22, 1929; 21h 34m. Clouds: 9 StCu NE, 1 St ESE. Vis.: 5.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	5.4
216	287	ESE	7.9
414	282	ESE	6.7
612	247	ENE	7.8
801	231	NE	8.9
990	231	NE	8.0
1,170	228	NE	8.0

Disappearance: Entered StCu, 1,170 m.

No. 367. Dec. 24, 1929; 18h 02m. Clouds: 9 StCu NNW, 1 St NNW. Vis.: 6.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	186	N	4.5
216	173	N	6.9
414	165	NNW	7.0
612	158	NNW	6.3
801	157	NNW	6.0
990	161	NNW	6.2
1,170	163	NNW	6.1
1,305	163	NNW	5.9

Disappearance: Entered StCu, 1305 m.

No. 368. Dec. 26, 1929; 21h 26m. Clouds: 3 St W. Vis.: (9 to 5).

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	85	W	2.7
216	89	W	5.5
414	96	W	7.3
612	100	W	8.2
801	101	W	8.7
990	101	W	8.9
1,170	102	WNW	8.2
1,350	102	WNW	7.5
1,530	100	W	6.7
1,710	91	W	6.0
1,890	83	W	6.0
2,070	82	W	6.0

Disappearance: Behind St. 9 St. at end of observation.

No. 369. Dec. 27, 1929; 8h 33m. Clouds: Few ASt, WSW. Vis.: 9.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	135	NW	1.8
216	59	WSW	1.9
414	38	SW	3.4
612	67	WSW	6.4
801	79	W	9.7
990	79	W	10.1
1,170	78	WSW	10.2
1,350	78	WSW	9.8
1,530	78	WSW	9.2
1,710	74	WSW	8.9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 369—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 890	70	WSW	8. 9
2, 070	69	WSW	8. 7
2, 250	68	WSW	8. 5
2, 430	70	WSW	8. 2
2, 610	70	WSW	7. 7
2, 790	68	WSW	7. 0
2, 970	73	WSW	6. 2
3, 150	78	WSW	6. 2
3, 330	76	WSW	5. 9
3, 510	76	WSW	5. 0
3, 690	76	WSW	5. 0
3, 870	78	WSW	5. 2
4, 050	88	W	5. 9
4, 230	83	W	6. 7
4, 410	81	W	7. 2
4, 590	82	W	7. 7
4, 770	77	WSW	8. 5
4, 950	72	WSW	9. 4
5, 130	71	WSW	10. 3
5, 310	69	WSW	10. 5
5, 490	67	WSW	10. 5
5, 670	62	WSW	10. 6
5, 850	60	WSW	10. 5
6, 030	61	WSW	11. 2
6, 210	62	WSW	11. 3
6, 390	60	WSW	9. 8
6, 570	60	WSW	9. 5
6, 750	63	WSW	9. 6
6, 930	63	WSW	9. 4
7, 110	60	WSW	9. 0
7, 290	53	SW	9. 2
7, 470	50	SW	10. 0
7, 650	49	SW	10. 5
7, 830	49	SW	10. 5
8, 010	47	SW	10. 5
8, 190	46	SW	10. 4
8, 370	45	SW	9. 5
8, 550	45	SW	10. 1
8, 730	47	SW	11. 0
8, 910	49	SW	9. 5
9, 090	56	SW	7. 0
9, 270	76	WSW	7. 0
9, 450	92	W	8. 0
9, 630	105	WNW	6. 0
9, 810	103	WNW	5. 5
9, 990	104	WNW	6. 2
10, 170	116	WNW	5. 0
10, 350	122	WNW	5. 0

Disappearance: (?).

No. 370. Dec. 28, 1929; 10h 43m. Clouds: 5 StCu WSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	305	SE	0. 9
216	50	SW	1. 7
414	53	SW	3. 3
612	70	WSW	4. 0
801	78	WSW	3. 9
990	81	W	3. 5
1, 170	74	WSW	4. 0
1, 350	72	WSW	3. 8
1, 530	78	WSW	3. 3

Disappearance: Behind StCu.

No. 371. Dec. 29, 1929; 9h 53m. Clouds: 3 StCu. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	259	E	2. 7
216	267	E	3. 7
414	293	ESE	2. 5
612	313	SE	3. 6
801	317	SE	4. 7
990	330	SSE	4. 8
1, 170	345	SSE	5. 4
1, 350	1	S	6. 1
1, 530	13	SSW	6. 7
1, 710	31	SSW	7. 6
1, 890	52	SW	8. 3
2, 070	65	WSW	7. 8
2, 250	57	WSW	6. 3
2, 430	26	SSW	4. 0
2, 610	341	SSE	3. 2
2, 790	298	ESE	0. 5
2, 970	144	NW	2. 8
3, 150	132	NW	4. 0
3, 330	133	NW	3. 4
3, 510	144	NW	3. 5
3, 690	145	NW	4. 6
3, 870	144	NW	5. 4
4, 050	144	NW	6. 5
4, 230	141	NW	7. 2
4, 410	142	NW	7. 5
4, 590	141	NW	8. 7
4, 770	139	NW	9. 8
4, 950	135	NW	10. 2
5, 130	135	NW	10. 4
5, 310	132	NW	10. 0
5, 490	131	NW	10. 4
5, 670	132	NW	11. 0
5, 850	131	NW	11. 0
6, 030	129	NW	11. 2
6, 210	125	NW	11. 5
6, 390	122	WNW	11. 6
6, 570	119	WNW	11. 5
6, 750	118	WNW	11. 5
6, 930	118	WNW	12. 3
7, 110	116	WNW	12. 0
7, 290	115	WNW	11. 5
7, 470	114	WNW	11. 6
7, 650	111	WNW	11. 4
7, 830	108	WNW	11. 9
8, 010	102	WNW	11. 5
8, 190	94	W	11. 4
8, 370	92	W	12. 5

Disappearance: Bursting.

No. 372. Dec. 29, 1929; 21h 01m. Clouds: 3ACu W. Vis.: 8 L

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	333	SSE	3. 6
216	318	SE	4. 1
414	315	SE	3. 9
612	325	SE	3. 5
801	336	SSE	4. 2
990	333	SSE	6. 5
1, 170	340	SSE	8. 2
1, 350	352	S	9. 0
1, 530	359	S	9. 4
1, 710	1	S	8. 5
1, 890	10	S	8. 5
2, 070	20	SSW	10. 5

No. 372—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 250	19	SSW	9. 4
2, 430	24	SSW	5. 3
2, 610	70	WSW	3. 6
2, 790	90	W	4. 6
2, 970	98	W	4. 2
3, 150	102	WNW	4. 6
3, 330	97	W	6. 8
3, 510	94	W	8. 4
3, 690	97	W	9. 0
3, 870	99	W	9. 2
4, 050	110	WNW	9. 3
4, 230	130	NW	10. 8
4, 410	134	NW	11. 5
4, 590	133	NW	11. 5
4, 770	136	NW	12. 0
4, 950	140	NW	12. 5
5, 130	141	NW	12. 3
5, 310	139	NW	12. 2
5, 490	138	NW	12. 3
5, 670	139	NW	12. 0
5, 850	136	NW	11. 4
6, 030	136	NW	11. 0
6, 210	136	NW	10. 2
6, 390	136	NW	9. 6
6, 570	132	NW	9. 4
6, 750	134	NW	9. 3
6, 930	132	NW	9. 6
7, 110	130	NW	9. 5
7, 290	129	NW	9. 8
7, 470	128	NW	9. 6
7, 650	128	NW	10. 1
7, 830	127	NW	10. 5
8, 010	126	NW	10. 9
8, 190	122	WNW	12. 2
8, 370	118	WNW	13. 2
8, 550	114	WNW	13. 5
8, 730	111	WNW	14. 1
8, 910	112	WNW	13. 7
9, 090	112	WNW	12. 1
9, 270	112	WNW	10. 7
9, 450	107	WNW	10. 0
9, 630	100	W	8. 2
9, 810	100	W	7. 0
9, 990	116	WNW	6. 4
10, 170	124	NW	6. 4
10, 350	118	WNW	7. 2

Disappearance: Bursting.

No. 373. Dec. 30, 1929; 9h 12m. Clouds: 3 ACu W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	294	ESE	5. 8
216	294	ESE	8. 5
414	293	ESE	7. 7
612	300	ESE	6. 2
801	323	SE	5. 8
990	333	SSE	7. 6
1, 170	335	SSE	8. 4
1, 350	338	SSE	9. 3
1, 530	347	SSE	11. 6
1, 710	356	S	11. 3
1, 890	357	S	9. 1
2, 070	355	S	8. 0
2, 250	352	S	7. 0
2, 430	350	S	5. 8
2, 610	2	S	3. 7

No. 373—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 790	46	SW	3. 1
2, 970	90	W	3. 8
3, 150	128	NW	4. 9
3, 330	142	NW	6. 1
3, 510	135	NW	6. 2
3, 690	127	NW	6. 1
3, 870	126	NW	6. 2
4, 050	125	NW	5. 8
4, 230	127	NW	5. 8
4, 410	131	NW	5. 2
4, 590	137	NW	4. 9
4, 770	147	NNW	7. 5
4, 950	153	NNW	10. 5
5, 130	155	NNW	11. 8
5, 310	157	NNW	12. 6
5, 490	156	NNW	12. 8
5, 670	157	NNW	13. 0
5, 850	158	NNW	13. 2
6, 030	157	NNW	12. 4
6, 210	154	NNW	11. 2
6, 390	156	NNW	10. 7
6, 570	156	NNW	10. 2
6, 750	153	NNW	9. 5
6, 930	151	NNW	9. 7
7, 110	151	NNW	10. 5
7, 290	152	NNW	11. 4
7, 470	156	NNW	11. 9
7, 650	156	NNW	11. 9
7, 830	156	NNW	12. 0
8, 010	157	NNW	12. 0

Disappearance: Behind ACu.

No. 374. Dec. 30, 1929; 21h 57m. Clouds: 2 CiSt NNW, 3 ACu NNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SE	5. 8
216	297	ESE	9. 1
414	294	ESE	8. 8
612	298	ESE	7. 2
801	310	SE	5. 5
990	320	SE	4. 9
1, 170	323	SE	4. 7
1, 350	332	SSE	5. 9
1, 530	338	SSE	9. 0
1, 710	342	SSE	9. 9
1, 890	341	SSE	7. 8
2, 070	334	SSE	6. 9
2, 250	330	SSE	6. 5
2, 430	330	SSE	6. 1
2, 610	328	SSE	5. 3
2, 790	316	SE	2. 3
2, 970	244	N	2. 8
3, 150	172	N	3. 4
3, 330	174	N	3. 4
3, 510	177	N	3. 4
3, 690	197	NNE	4. 0
3, 870	204	NNE	4. 8
4, 050	201	NNE	5. 1
4, 230	187	N	4. 8
4, 410	175	N	5. 1
4, 590	171	N	6. 0
4, 770	168	NNW	6. 9
4, 950	160	NNW	7. 3
5, 130	160	NNW	8. 0
5, 310	165	NNW	9. 7
5, 490	162	NNW	10. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 374—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,670	161	NNW	10.5
5,850	162	NNW	10.4
6,030	160	NNW	10.8
6,210	159	NNW	11.7
6,390	161	NNW	12.1
6,570	163	NNW	12.6
6,750	163	NNW	12.5
6,930	158	NNW	12.8
7,110	161	NNW	13.1
7,290	167	NNW	12.9
7,470	166	NNW	13.0
7,650	165	NNW	12.8
7,830	167	NNW	13.1
8,010	172	N	16.4
8,190	171	N	12.9
8,370	170	N	12.0
8,550	167	NNW	12.4
8,730	165	NNW	12.4
8,910	162	NNW	11.3
9,090	160	NNW	10.7
9,270	158	NNW	11.6

Disappearance: Behind CiSt.

No. 375. Dec. 31, 1929; 9h 23m. Clouds: 2 CiSt (N?), 3 ACu7 NW. Vis: 7.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	340	SSE	5.3
216	318	SE	7.6
414	310	SE	10.5
612	311	SE	12.7
801	310	SE	13.2
990	316	SE	13.8
1,170	329	SSE	14.8
1,350	336	SSE	15.0
1,530	338	SSE	12.8
1,710	330	SSE	8.5
1,890	306	SE	4.2
2,070	304	SE	0.6
2,250	40	SW	1.4
2,430	28	SSW	1.1
2,610	128	NW	1.0
2,790	137	NW	2.7
2,970	144	NW	4.3
3,150	150	NNW	7.1
3,330	148	NNW	8.7
3,510	142	NW	8.2
3,690	136	NW	8.0
3,870	139	NW	7.8
4,050	148	NNW	7.8
4,230	159	NNW	10.3
4,410	165	NNW	12.1
4,590	168	NNW	12.4
4,770	169	N	11.4
4,950	169	N	10.1
5,130	169	N	9.8
5,310	170	N	9.5
5,490	171	N	9.6
5,670	172	N	10.0
5,850	173	N	10.4
6,030	175	N	10.6
6,210	177	N	11.2
6,390	178	N	12.0
6,570	179	N	11.8
6,750	178	N	12.0
6,930	180	N	12.5
7,110	182	N	12.5

No. 375—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,290	183	N	13.5
7,470	183	N	14.3
7,650	183	N	14.6

Disappearance: Behind ACu.

No. 376. Jan. 1, 1930; 21h 46m. Clouds: 9 StCu WNW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	234	NE	2.2
216	147	NNW	4.1
414	135	NW	5.8
612	127	NW	6.2
801	119	WNW	6.7
895	115	WNW	6.9

Disappearance: Entered StCu, 895 m.

No. 377. Jan. 2, 1930; 15h 47m. Clouds: 1 Ci, 8 St NNW Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	174	N	5.8
216	168	NNW	9.9
414	163	NNW	10.6
612	162	NNW	11.3

Disappearance: Entered St, 612 m.

No. 378. Jan. 3, 1930; 22h. Clouds: 10 StCu NNE. Vis.: 4. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	194	NNE	2.2
216	190	N	4.8
414	188	N	6.2
612	188	N	5.3
801	196	NNE	6.0
990	203	NNE	6.8
1,170	204	NNE	7.2
1,350	203	NNE	7.7
1,410	201	NNE	7.8

Disappearance: Entered StCu, 1,410 m.

No. 379. Jan. 5, 1930; 20h 35m. Clouds: Few CiSt, 9 ASt NE, Few St ENE. Vis.: 5. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	8.1
216	255	ENE	12.6
414	238	ENE	12.5
612	225	NE	11.3
801	213	NNE	11.8
990	209	NNE	12.3
1,170	204	NNE	10.5
1,350	213	NNE	9.8
1,530	225	NE	10.8
1,710	228	NE	11.0

Disappearance: Entered ASt 1,710 m.

No. 380. Jan. 6, 1930; 10h 08m. Clouds: 1 CiSt (NE?), 9 ASt NE. Vis.: 6. Faint 22° solar halo. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	8.5
216	283	ESE	13.9
414	270	E	12.0
612	256	ENE	10.8
801	246	ENE	11.2
990	239	ENE	12.1
1,170	234	NE	13.3
1,350	233	NE	14.0

Disappearance: Entered ASt, 1,350 m.

No. 381. Jan. 6, 1930; 20h 47m. Clouds: 9 ASt NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	297	ESE	8.1
216	270	E	11.6
414	247	ENE	12.8
612	240	ENE	17.2
801	238	ENE	21.1
990	236	NE	22.2
1,170	237	ENE	21.6
1,350	244	ENE	18.2
1,530	252	ENE	17.3
1,710	255	ENE	19.8
1,890	251	ENE	20.2
2,070	238	ENE	17.3
2,250	225	NE	15.9
2,430	222	NE	15.8

Disappearance: Entered ASt, 2,430 m.

No. 382. Jan. 7, 1930; 14h 40m. Clouds: 1 CiSt ENE, 5 StCu ENE. Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	8.1
216	269	E	15.3
414	257	ENE	17.5
612	253	ENE	16.1
801	258	ENE	13.9
990	260	E	11.9
1,170	248	ENE	10.9
1,350	244	ENE	11.8
1,530	250	ENE	14.7
1,710	254	ENE	20.4
1,890	253	ENE	23.3
2,070	253	ENE	18.9
2,250	254	ENE	14.5

Disappearance: Cut off by StCu.

No. 383. Jan. 8, 1930; 10h 58m. Clouds: 9 StCu NE, Few St NNE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	233	NE	4.0
216	212	NNE	5.3
414	208	NNE	6.6

No. 383—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	219	NE	6.4
801	222	NE	5.9
990	217	NE	6.5
1,170	215	NE	6.0
1,350	216	NE	5.0
1,530	222	NE	5.5
1,710	224	NE	6.3

Disappearance: Entered StCu, 1,710 m.

No. 384. Jan. 8, 1930; 22h 02m. Clouds: 9 StCu E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	317	SE	4.5
216	307	SE	8.2
414	297	ESE	9.0
612	295	ESE	8.9
801	287	ESE	6.6
990	274	E	6.2
1,170	266	E	6.3
1,350	262	E	6.0
1,530	267	E	6.0
1,710	270	E	6.0

Disappearance: Entered StCu, 1,710 m.

No. 385. Jan. 9, 1930; 9h 30m. Clouds: 9 StCu E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	4.0
216	282	ESE	5.2
414	283	ESE	3.6
612	271	E	3.5
801	282	ESE	3.7
990	306	SE	4.2
1,170	301	ESE	5.1
1,350	287	ESE	5.7
1,530	284	ESE	5.8
1,710	275	E	5.4
1,890	262	E	4.0
2,070	263	E	2.9

Disappearance: Entered StCu, 2,070 m.

No. 386. Jan. 9, 1930; 22h 35m. Clouds: 10 St N. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	227	NE	4.0
216	199	NNE	5.3
414	190	N	5.4

Disappearance: Entered St, 414 m.

No. 387. Jan. 10, 1930; 12h 21m. Clouds: 8 StCu N. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	178	N	4.5
216	179	N	7.3
414	191	N	6.3
612	195	NNE	5.6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
No. 387—Continued			
801	179	N	4.2
990	159	NNW	3.6
1,170	180	N	3.6
1,350	207	NNE	4.7
1,530	204	NNE	5.3
1,710	203	NNE	5.5
Disappearance: Cut off by StCu.			
No. 388. Jan. 11, 1930; 9h 33m. Clouds: 9 StCu N, Few StNNE. Vis.: 6			
Surface	205	NNE	4.5
216	199	NNE	6.5
414	196	NNE	6.2
612	198	NNE	6.1
801	201	NNE	5.3
990	201	NNE	4.0
1,050	183	N	2.7
Disappearance: Entered StCu, 1,050 m.			
No. 389. Jan. 12, 1930; 11h 47m. Clouds: 3 ACu N, 2 StCu N, 2 Cu N. Vis: 7			
Surface	166	NNW	3.1
216	173	N	6.2
414	183	N	6.6
612	170	N	6.2
801	161	NNW	5.3
990	173	N	4.7
1,170	172	N	4.8
1,350	172	N	5.0
1,530	175	N	5.3
1,710	177	N	5.1
1,890	170	N	6.2
2,070	162	NNW	8.9
2,250	161	NNW	10.5
Disappearance: Cut off by StCu.			
No. 390. Jan. 13, 1930; 15h 24m. Clouds: Few StCu WNW. Vis.: 9			
Surface	103	WNW	2.7
216	79	W	5.0
414	61	WSW	5.0
612	51	SW	5.9
801	55	SW	6.9
990	74	WSW	7.0
1,170	96	W	6.3
1,350	119	WNW	5.4
1,530	139	NW	4.8
1,710	141	NW	5.0
1,890	126	NW	6.3
2,070	113	WNW	7.0
2,250	107	WNW	7.6
2,430	108	WNW	8.3
2,610	113	WNW	8.5
No. 390—Continued			
2,790	123	WNW	8.8
2,970	142	NW	7.7
3,150	159	NNW	7.0
3,330	157	NNW	6.5
3,510	152	NNW	6.2
3,690	147	NNW	5.5
3,870	139	NW	4.8
4,050	137	NW	4.2
4,230	141	NW	4.5
4,410	143	NW	4.5
4,590	141	NW	4.3
4,770	145	NW	4.5
4,950	145	NW	4.5
5,130	140	NW	4.9
5,310	139	NW	5.0
5,490	143	NW	5.1
5,670	147	NNW	5.3
5,850	143	NW	5.5
6,030	144	NW	5.6
6,210	146	NW	5.9
6,390	145	NW	6.2
6,570	149	NNW	5.9
6,750	151	NNW	5.8
6,930	153	NNW	5.6
7,110	153	NNW	5.4
7,290	155	NNW	5.5
7,470	156	NNW	6.5
7,650	150	NNW	7.7
7,830	144	NW	8.5
8,010	146	NW	8.8
8,190	148	NNW	8.3
8,370	150	NNW	8.3
8,550	151	NNW	6.9
8,730	144	NW	5.0
8,910	144	NW	4.1
9,090	161	NNW	3.2
9,270	168	NNW	2.8
Disappearance: Bursting.			
No. 391. Jan. 14, 1930; 9h 10m. Clouds: 9 StCu W. Vis: 6. Few flakes of snow falling			
Surface	266	E	4.0
216	236	NE	3.3
414	232	NE	1.9
612	165	NNW	1.3
801	102	WNW	2.9
990	83	W	4.7
1,170	84	W	5.4
1,350	89	W	4.8
1,440	97	W	4.4
Disappearance: Entered StCu, 1,440 m.			
No. 392. Jan. 15, 1930; 9h 23m. Clouds: 8 StCu NNW. Vis.: 6			
Surface	285	ESE	4.0
216	134	NW	1.1
414	103	WNW	4.0
612	104	WNW	5.2
801	106	WNW	7.4
990	115	WNW	8.1
1,170	134	NW	7.8
1,350	146	NW	7.7
No. 392—Continued			
1,530	153	NNW	8.1
1,710	159	NNW	8.1
1,830	162	NNW	7.6
Disappearance: Entered StCu, 1,830 m.			
No. 393. Jan. 15, 1930; 19h 05m Clouds: 2 ACu NW, 1 StCu NNW. Vis.: 9			
Surface	291	SSE	1.8
216	286	SSE	0.2
414	106	WNW	1.8
612	138	NW	2.8
801	153	NNW	3.8
990	147	NNW	4.0
1,170	150	NNW	4.1
1,350	155	NNW	5.8
1,530	158	NNW	8.0
1,710	146	NW	7.5
1,890	120	WNW	5.7
2,070	114	WNW	4.4
2,250	107	WNW	3.2
2,430	105	WNW	3.9
2,610	113	WNW	4.6
2,790	118	WNW	4.6
2,970	123	WNW	4.5
3,150	118	WNW	4.6
3,330	115	WNW	4.5
3,510	117	WNW	3.0
3,690	125	NW	2.0
3,870	142	NW	2.0
4,050	158	NNW	2.5
4,230	164	NNW	3.0
4,410	170	N	3.3
4,590	178	N	3.7
4,770	185	N	3.8
4,950	190	N	4.5
5,130	191	N	5.2
5,310	192	NNE	5.0
5,490	195	NNE	4.8
5,670	196	NNE	5.0
5,850	200	NNE	4.8
6,030	203	NNE	5.0
6,210	202	NNE	5.0
6,390	201	NNE	5.3
6,570	201	NNE	5.3
6,750	204	NNE	5.2
6,930	209	NNE	5.8
7,110	210	NNE	6.0
7,290	204	NNE	7.0
7,470	204	NNE	6.9
7,650	206	NNE	6.7
7,830	208	NNE	6.8
8,010	213	NNE	7.4
8,190	210	NNE	7.5
8,370	204	NNE	7.0
8,550	207	NNE	7.0
Disappearance: Bursting.			
No. 394. Jan. 16, 1930; 9h 02m. Clouds: 3 StCu WNW. Vis.: 9			
Surface	268	E	5.4
216	259	E	5.9
414	235	NE	3.3
No. 394—Continued			
612	203	NNE	2.1
801	147	NNW	2.1
990	123	WNW	2.9
1,170	113	WNW	3.3
1,350	113	WNW	2.4
1,530	91	W	1.8
1,710	82	W	3.2
1,890	96	W	4.3
2,070	127	NW	4.7
2,250	155	NNW	6.4
2,430	160	NNW	8.3
2,610	156	NNW	9.5
2,790	152	NNW	10.1
2,970	152	NNW	9.2
3,150	149	NNW	6.9
3,330	141	NW	5.0
3,510	129	NW	4.4
3,690	123	WNW	3.0
3,870	133	NW	1.9
4,050	148	NNW	1.7
4,230	162	NNW	1.6
4,410	160	NNW	1.9
4,590	176	N	2.4
4,770	191	N	3.2
4,950	196	NNE	3.8
5,130	208	NNE	4.0
5,310	213	NNE	4.4
5,490	211	NNE	5.0
5,670	209	NNE	5.4
5,850	209	NNE	5.4
6,030	213	NNE	5.8
6,210	214	NE	6.0
6,390	215	NE	6.2
6,570	214	NE	6.7
6,750	216	NE	6.8
6,930	220	NE	6.9
7,110	218	NE	7.5
7,290	217	NE	7.9
7,470	219	NE	7.6
7,650	225	NE	7.5
7,830	228	NE	8.2
8,010	224	NE	8.3
8,190	220	NE	8.0
Disappearance: Bursting.			
No. 395. Jan. 17, 1930; 9h 42m. Clouds: 2 St (SE?). Vis.: 9			
Surface	252	ENE	3.1
216	265	E	3.6
414	327	SSE	1.1
612	35	SW	2.6
801	49	SW	3.3
990	68	WSW	3.1
1,170	92	W	2.5
1,350	143	NW	2.2
1,530	170	N	2.0
1,710	155	NNW	1.1
1,890	116	WNW	1.5
2,070	109	WNW	2.2
2,250	116	WNW	1.9
2,430	136	NW	1.7
2,610	153	NNW	2.3
2,790	165	NNW	2.5
2,970	159	NNW	2.4
3,150	139	NW	2.3
3,330	160	NNW	3.0
3,510	178	N	4.8

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 395—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,690	200	NNE	5.9
3,870	212	NNE	6.7
4,050	214	NE	6.4
4,230	220	NE	6.2
4,410	221	NE	6.3
4,590	220	NE	6.3
4,770	221	NE	6.7
4,950	216	NE	7.3
5,130	213	NNE	7.7
5,310	216	NE	8.1
5,490	218	NE	8.4
5,670	221	NE	8.8
5,850	221	NE	9.0
6,030	218	NE	9.2
6,210	214	NE	9.7
6,390	212	NNE	9.9
6,570	214	NE	9.8
6,750	214	NE	9.9
6,930	213	NNE	10.0
7,110	216	NE	10.2
7,290	219	NE	10.2
7,470	220	NE	10.2
7,650	221	NE	10.6
7,830	222	NE	10.3
8,010	220	NE	9.8
8,190	217	NE	10.0
8,370	215	NE	9.3
8,550	213	NNE	7.6
8,730	218	NE	6.4
8,910	221	NE	6.3
9,090	218	NE	5.6
9,270	222	NE	4.9

Disappearance: Bursting (?).

No. 396. Jan. 18, 1930; 9h 29m. Clouds: 10 StCu SSE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	265	E	5.4
216	258	ENE	4.9
414	258	ENE	2.4
612	281	E	2.5
801	298	ESE	2.6
990	315	SE	2.7
1,170	336	SSE	2.8
1,350	346	SSE	2.6
1,470	347	SSE	2.5

Disappearance: Entered StCu 1,470 m.

No. 397. Jan. 18, 1930; 22h 18m. Clouds: 5 CiSt ESE, 4 ACu E. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	233	NE	1.8
216	271	E	5.1
414	278	E	3.5
612	320	SE	2.6
801	346	SSE	4.2
990	354	S	4.8
1,170	341	SSE	4.2
1,350	327	SSE	4.7
1,530	291	ESE	4.5
1,710	269	E	5.2
1,890	276	E	4.9
2,070	273	E	5.2
2,250	269	E	5.3

No. 397—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,430	268	E	5.5
2,610	271	E	5.5
2,790	274	E	5.4
2,970	275	E	5.4
3,150	274	E	5.4
3,330	275	E	5.9
3,510	276	E	7.1
3,690	281	E	8.2
3,870	290	ESE	9.6
4,050	291	ESE	9.8
4,230	292	ESE	9.1

Disappearance: Cut off by ACu. RH parhelion.

No. 398. Jan. 20, 1930; 9h 49m. Clouds: 2 StCu SSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	90	W	4.0
216	53	SW	6.0
414	41	SW	6.7
612	37	SW	6.5
801	29	SSW	6.2
990	27	SSW	5.9
1,170	35	SW	6.8
1,350	41	SW	7.8
1,530	48	SW	8.7
1,710	56	SW	9.9
1,890	54	SW	10.8
2,070	54	SW	11.1
2,250	58	WSW	10.7
2,430	63	WSW	10.5
2,610	71	WSW	10.4
2,790	76	WSW	10.2
2,970	74	WSW	10.4
3,150	70	WSW	10.9
3,330	69	WSW	11.3
3,510	71	WSW	11.5
3,690	72	WSW	10.8
3,870	70	WSW	11.6
4,050	73	WSW	10.3
4,230	76	WSW	9.6
4,410	75	WSW	9.7
4,590	77	WSW	9.1
4,770	81	W	9.6
4,950	87	W	9.5
5,130	88	W	9.0
5,310	87	W	9.4
5,490	87	W	10.0
5,670	91	W	10.3
5,850	92	W	10.0
6,030	91	W	10.0

Disappearance: Abandoned.

No. 399. Jan. 21, 1930; 9h 03m. Clouds: 4 Ci WSW, Few ACu SW. Vis: 9.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	4.0
216	269	E	4.9
414	271	E	3.2
612	271	E	2.5
801	273	E	2.4
990	288	ESE	3.6
1,170	292	ESE	6.5
1,350	287	ESE	8.3
1,530	286	ESE	7.2

No. 399—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,710	292	ESE	5.5
1,890	300	ESE	4.3
2,070	312	SE	3.7
2,250	323	SE	3.6
2,430	338	SSE	3.2
2,610	348	SSE	2.8
2,790	20	SSW	2.7
2,970	45	SW	3.7
3,150	55	SW	4.8
3,330	61	WSW	6.0
3,510	61	WSW	7.0
3,690	65	WSW	7.8
3,870	67	WSW	9.3
4,050	62	WSW	10.8
4,230	63	WSW	13.4
4,410	70	WSW	15.8
4,590	73	WSW	16.0
4,770	71	WSW	16.7
4,950	74	WSW	16.0
5,130	70	WSW	17.5
5,310	66	WSW	19.7
5,490	73	WSW	17.5
5,670	77	WSW	16.5

Disappearance: Behind anemometer post.

No. 400. Jan. 21, 1930; 21h 19m. Clouds: Few Ci WSW. Vis.: 9.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	325	SE	4.9
216	295	ESE	13.3
414	279	E	15.8
612	285	ESE	13.5
801	290	ESE	9.0
990	316	SE	6.0
1,170	325	SE	7.7
1,350	320	SE	9.6
1,530	321	SE	12.2
1,710	309	SE	13.0
1,890	296	ESE	13.5

Disappearance: Background.

No. 401. Jan. 22, 1930; 8h 54m. Clouds: 0. Vis: 9. Intermittent drift; wind gusty

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	309	SE	5.4
216	302	ESE	15.7
414	295	ESE	20.0
612	286	ESE	16.2
801	280	E	13.2
990	276	E	11.0
1,170	277	E	8.6
1,350	285	ESE	7.5
1,530	297	ESE	7.0
1,710	312	SE	7.8
1,890	319	SE	9.8
2,070	328	SSE	10.0
2,250	338	SSE	6.8
2,430	355	S	5.7
2,610	14	SSW	7.2
2,790	23	SSW	7.4
2,970	25	SSW	9.5
3,150	30	SSW	11.7
3,330	37	SW	12.3

No. 401—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,510	40	SW	13.0
3,690	43	SW	13.5
3,870	46	SW	13.8
4,050	49	SW	13.7
4,230	48	SW	13.8
4,410	49	SW	13.0
4,590	49	SW	12.3
4,770	51	SW	12.5
4,950	54	SW	13.0
5,130	53	SW	13.0
5,310	52	SW	13.0
5,490	57	WSW	14.2
5.670	55	SW	16.7
5,850	52	SW	17.8
6,030	57	WSW	17.2
6,210	56	SW	17.7
6,390	55	SW	18.0
6,570	54	SW	19.5
6,750	52	SW	22.5
6,930	53	SW	23.8
7,110	56	SW	23.2
7,290	59	WSW	24.0
7,470	58	WSW	25.2
7,650	58	WSW	24.8
7,830	58	WSW	24.0

Disappearance: Drift.

No. 402. Jan. 23, 1930; 9h 33m. Clouds: 1 ASt WSW, Few ACu WSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	282	ESE	5.4
216	299	ESE	8.1
414	319	SE	6.1
612	339	SSE	5.9
801	347	SSE	5.6
990	350	S	4.8
1,170	357	S	3.6
1,350	16	SSW	4.2
1,530	26	SSW	5.1
1,710	29	SSW	5.1
1,890	35	SW	4.3
2,070	50	SW	4.3
2,250	62	WSW	5.2
2,430	62	WSW	6.3
2,610	56	SW	7.7
2,790	67	WSW	7.9
2,970	77	WSW	8.2
3,150	71	WSW	8.7
3,330	75	WSW	8.7
3,510	81	W	9.4
3,690	81	W	9.9
3,870	85	W	10.2
4,050	89	W	10.1
4,230	85	W	11.7
4,410	79	W	14.0

Disappearance: Behind anemometer post.

No. 403. Jan. 24, 1930; 9h 10m. Clouds: 9 StCu SSW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	5.4
216	3	S	7.9
414	0	S	7.5
612	8	S	8.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 403—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	15	SSW	8. 1
990	19	SSW	7. 5
1, 170	20	SSW	7. 0
1, 350	16	SSW	6. 8
1, 530	13	SSW	6. 3
1, 710	13	SSW	5. 3
1, 770	10	S	4. 6

Disappearance: Entered StCu, 1,770 m.

No. 404. Jan. 25, 1930; 14h. Clouds: Few StCu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	46	SW	1. 8
216	59	WSW	3. 8
414	79	W	5. 2
612	75	WSW	6. 5
801	63	WSW	7. 0

Disappearance: Bursting.

No. 405. Jan. 26, 1930; 20h 14m. Clouds: Few StCu SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	18	SSW	4. 5
216	1	S	6. 2
414	351	S	6. 6
612	351	S	7. 0
801	348	SSE	7. 0
990	341	SSE	5. 9
1, 170	339	SSE	5. 6
1, 350	332	SSE	6. 2
1, 530	341	SSE	5. 5
1, 710	358	S	4. 2
1, 890	346	SSE	3. 0
2, 070	346	SSE	2. 3
2, 250	10	S	2. 1
2, 430	28	SSW	1. 8
2, 610	73	WSW	1. 1
2, 790	93	W	2. 5
2, 970	111	WNW	1. 9
3, 150	117	WNW	2. 3
3, 330	119	WNW	2. 6
3, 510	124	NW	2. 7
3, 690	117	WNW	2. 3
3, 870	118	WNW	1. 8
4, 050	151	NNW	2. 3
4, 230	159	NNW	3. 0
4, 410	155	NNW	3. 5
4, 590	148	NNW	4. 2
4, 770	145	NW	4. 8
4, 950	144	NW	5. 2
5, 130	144	NW	5. 2
5, 310	142	NW	5. 2
5, 490	143	NW	5. 7
5, 670	143	NW	6. 3
5, 850	135	NW	6. 7
6, 030	130	NW	7. 3
6, 210	128	NW	8. 2

Disappearance: Bursting.

No. 406. Jan. 27, 1930; 20h 19m. Clouds: 3 StCu WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	260	E	2. 2
216	359	S	1. 9
414	129	NW	2. 1
612	165	NNW	5. 6
801	145	NW	5. 2
990	116	WNW	4. 1
1, 170	111	WNW	2. 8
1, 350	103	WNW	1. 9
1, 530	91	W	1. 4
1, 710	99	W	2. 5
1, 890	100	W	4. 2
2, 070	104	WNW	6. 2
2, 250	101	W	8. 1
2, 430	95	W	8. 7
2, 610	92	W	8. 7
2, 790	101	W	9. 3
2, 970	108	WNW	9. 7
3, 150	103	WNW	10. 6
3, 330	101	W	11. 0
3, 510	107	WNW	9. 8
3, 690	111	WNW	8. 2
3, 870	112	WNW	7. 7
4, 050	112	WNW	8. 5
4, 230	112	WNW	9. 9
4, 410	113	WNW	7. 6
4, 590	106	WNW	9. 8
4, 770	106	WNW	10. 3
4, 950	104	WNW	10. 7
5, 130	105	WNW	10. 0
5, 310	99	W	9. 8
5, 490	111	WNW	9. 0
5, 670	121	WNW	9. 2
5, 850	115	WNW	8. 6
6, 030	116	WNW	10. 5
6, 210	113	WNW	11. 8
6, 390	109	WNW	10. 7
6, 570	107	WNW	11. 1
6, 750	108	WNW	11. 5
6, 930	106	WNW	12. 2
7, 110	106	WNW	12. 6

Disappearance: Distance.

No. 407. Jan. 29, 1930; 10h 53m. Clouds: 2 Ci NNW, 1 ACu SSE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	4. 0
216	320	SE	5. 5
414	307	SE	7. 8
612	311	SE	7. 0
801	333	SSE	6. 1
990	341	SSE	7. 5
1, 170	334	SSE	7. 2
1, 350	332	SSE	7. 2
1, 530	336	SSE	7. 8
1, 710	335	SSE	9. 2
1, 890	334	SSE	8. 6
2, 070	344	SSE	6. 3
2, 250	354	S	5. 7
2, 430	352	S	6. 2
2, 610	349	S	6. 5
2, 790	353	S	6. 8
2, 970	351	S	6. 7
3, 150	0	S	5. 0
3, 330	46	SW	3. 5
3, 510	76	WSW	2. 7

No. 407—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 690	108	WNW	1. 8
3, 870	117	WNW	1. 7
4, 050	123	WNW	1. 7
4, 230	137	NW	2. 0
4, 410	158	NNW	2. 7
4, 590	163	NNW	3. 7
4, 770	159	NNW	4. 3
4, 950	157	NNW	4. 9
5, 130	158	NNW	4. 7
5, 310	158	NNW	5. 0
5, 490	156	NNW	6. 2
5, 670	157	NNW	7. 0
5, 850	159	NNW	7. 6
6, 030	162	NNW	8. 3
6, 210	158	NNW	8. 8
6, 390	152	NNW	9. 5
6, 570	151	NNW	9. 9
6, 750	147	NNW	9. 9
6, 930	145	NW	10. 3
7, 110	140	NW	11. 5
7, 290	141	NW	12. 8
7, 470	142	NW	13. 6
7, 650	141	NW	12. 8
7, 830	140	NW	12. 0
8, 010	141	NW	12. 0

Disappearance: Cut off by ACu. ACu increased during observation.

No. 408. Jan. 30, 1930; 13h 14m. Clouds: Few ASt WSW, Few St WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	133	NW	2. 7
216	76	WSW	7. 2
414	73	WSW	10. 0
612	83	W	8. 5
801	82	W	9. 0
990	72	WSW	10. 5
1, 170	68	WSW	10. 7
1, 350	65	WSW	11. 5
1, 530	62	WSW	13. 0
1, 710	62	WSW	14. 3
1, 890	62	WSW	15. 5
2, 070	60	WSW	16. 8
2, 250	60	WSW	17. 2
2, 430	60	WSW	15. 8
2, 610	64	WSW	15. 3
2, 790	69	WSW	16. 0
2, 970	71	WSW	16. 0

Disappearance: Low angle—blue sky.

No. 409. Jan. 31, 1930; 9h 55m. Clouds: 2 StCu WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	260	E	1. 3
216	21	SSW	2. 9
414	52	SW	4. 3
612	87	W	4. 7
801	101	W	5. 2
990	110	WNW	6. 3
1, 170	112	WNW	6. 7
1, 350	108	WNW	6. 3

No. 409—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 530	111	WNW	6. 5
1, 710	123	WNW	7. 3
1, 890	128	NW	8. 6
2, 070	134	NW	8. 8
2, 250	138	NW	9. 0
2, 430	131	NW	9. 3
2, 610	122	WNW	9. 2
2, 790	123	WNW	9. 1
2, 970	126	NW	10. 1
3, 150	120	WNW	11. 5
3, 330	112	WNW	12. 4
3, 510	106	WNW	10. 5
3, 690	106	WNW	8. 6
3, 870	111	WNW	10. 7
4, 050	113	WNW	12. 3
4, 230	109	WNW	11. 3
4, 410	105	WNW	11. 4
4, 590	106	WNW	12. 6
4, 770	106	WNW	13. 0
4, 950	109	WNW	13. 6
5, 130	112	WNW	14. 2
5, 310	111	WNW	13. 5

Disappearance: Distance.

No. 410. Feb. 2, 1930; 10h 27m. Clouds: Few St W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	64	WSW	4. 0
216	82	W	7. 1
414	85	W	9. 6
612	87	W	10. 2
801	87	W	10. 4
990	87	W	10. 7
1, 170	87	W	11. 4
1, 350	90	W	12. 1
1, 530	91	W	12. 4
1, 710	90	W	12. 9
1, 890	90	W	12. 8
2, 070	91	W	12. 2
2, 250	92	W	12. 7
2, 430	90	W	12. 1
2, 610	95	W	11. 2
2, 790	102	WNW	11. 5

Disappearance: Blue sky.

No. 411. Feb. 3, 1930; 18h 08m. Clouds: 2 ACu WNW, Few St WNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	102	WNW	3. 6
216	107	WNW	7. 6
414	113	WNW	9. 6
612	108	WNW	10. 8
801	107	WNW	12. 1
990	111	WNW	12. 2
1, 170	114	WNW	12. 1
1, 350	110	WNW	12. 4
1, 530	107	WNW	12. 7
1, 710	110	WNW	12. 8
1, 890	116	WNW	11. 7
2, 070	121	WNW	10. 4
2, 250	121	WNW	9. 8
2, 430	123	NW	9. 5
2, 610	125	NW	10. 1
2, 790	126		10. 9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 411—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	123	WNW	10.9
3,150	119	WNW	10.4
3,330	118	WNW	10.3
3,510	120	WNW	10.5
3,690	123	WNW	10.4

Disappearance: Blue sky.

No. 412. Feb. 4, 1930; 14h 11m. Clouds: Few Ci NW, 2ACu NW, Few StCu WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	78	WSW	2.7
216	105	WNW	4.7
414	112	WNW	7.8
612	116	WNW	9.8
801	119	WNW	11.4
990	126	NW	10.7
1,170	133	NW	9.2
1,350	132	NW	8.3
1,530	120	WNW	8.5
1,710	108	WNW	9.4
1,890	106	WNW	9.2
2,070	105	WNW	8.5
2,250	106	WNW	8.2
2,430	113	WNW	8.7
2,610	120	WNW	9.8
2,790	131	NW	11.2
2,970	140	NW	12.8
3,150	142	NW	13.3
3,330	139	NW	12.2
3,510	139	NW	11.0
3,690	144	NW	10.5
3,870	142	NW	12.0
4,050	134	NW	12.2
4,230	132	NW	10.0
4,410	132	NW	9.5
4,590	132	NW	10.4
4,770	132	NW	11.4

Disappearance: Distance. ACu increased to 7 during the observation.

No. 413. Feb. 5, 1930; 9h 30m. Clouds: 5 Ci, 3 StCu NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	288	ESE	6.7
216	258	ENE	9.3
414	244	ENE	8.9
612	240	ENE	7.9
801	236	NE	6.6
990	219	NE	5.0
1,170	215	NE	3.0
1,350	218	NE	1.9
1,530	185	N	2.2
1,710	172	N	3.2
1,890	166	NNW	3.0
2,070	155	NNW	4.0
2,250	158	NNW	4.7
2,430	158	NNW	4.7
2,610	150	NNW	5.5
2,790	153	NNW	5.8
2,970	155	NNW	6.0
3,150	160	NNW	4.6
3,330	174	N	3.2

Disappearance: Cut off by StCu.

No. 414. Feb. 6, 1930; 9h 17m. Clouds: Few ACu ESE, Few StCu SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	293	ESE	2.7
216	301	ESE	7.3
414	294	ESE	8.2
612	299	ESE	5.2
801	330	SSE	4.6
990	337	SSE	5.5
1,170	326	SE	5.9
1,350	314	SE	5.9
1,530	312	SE	4.5
1,710	295	ESE	4.7
1,890	292	ESE	5.7
2,070	290	ESE	6.0
2,250	295	ESE	6.8
2,430	296	ESE	7.8
2,610	297	ESE	7.7
2,790	300	ESE	7.0
2,970	300	ESE	6.4
3,150	298	ESE	6.7
3,330	298	ESE	6.5
3,510	303	ESE	5.4
3,690	309	SE	5.2
3,870	310	SE	5.5

Disappearance: Blue sky.

No. 415. Mar. 30, 1934; 14h 25m. Clouds: 10 ASt N. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	10.3
216	291	ESE	17.4
414	292	ESE	11.0
612	315	SE	5.8
801	323	SE	5.8
990	314	SE	5.2
1,170	309	SE	6.0
1,350	305	SE	7.4
1,530	292	ESE	5.2
1,710	287	ESE	3.0
1,890	287	ESE	2.5
2,070	295	ESE	1.0
2,250	15	SSW	1.5
2,430	245	ENE	2.8
2,610	194	NNE	2.3
2,790	167	NNW	2.3
2,970	173	N	4.0
3,150	172	N	5.0

Disappearance: Entered ASt, 3,150 m.

No. 416. Mar. 30, 1934; 22h. Clouds: 8 Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	46	SW	2.2
216	307	SE	7.7
414	306	SE	11.1
612	304	SE	9.5
801	309	SE	6.2
990	310	SE	5.4
1,170	294	ESE	5.3
1,350	287	ESE	4.5
1,530	274	E	4.4
1,710	282	ESE	3.3
1,890	325	SE	2.8

No. 416—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,070	301	ESE	2.7
2,250	231	NE	2.4
2,430	214	NE	3.5
2,610	230	NE	4.1

Disappearance: (?).

No. 417. Mar. 31, 1934; 8h 44m. Clouds: 8 Ci NNW, 2 CiSt NNW. 22° solar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	3.6
216	308	SE	7.5
414	303	ESE	10.5
612	301	ESE	8.7
801	295	ESE	6.0
990	282	ESE	5.2
1,170	265	E	2.0
1,350	272	E	0.5
1,530	212	NNE	1.3
1,710	198	NNE	1.0
1,890	137	NW	0.8
2,070	131	NW	2.0
2,250	139	NW	3.5
2,430	140	NW	4.0
2,610	133	NW	4.8
2,790	123	WNW	5.8
2,970	122	WNW	6.3
3,150	124	NW	7.3
3,330	131	NW	7.5
3,510	144	NW	6.8
3,690	146	NW	6.4
3,870	153	NNW	6.5
4,050	157	NNW	6.5
4,230	144	NW	7.2
4,410	149	NNW	8.0
4,590	145	NW	8.5
4,770	148	NNW	8.3
4,950	152	NNW	8.2
5,130	158	NNW	9.2
5,310	161	NNW	9.8
5,490	158	NNW	10.6
5,670	157	NNW	11.5

Disappearance: Entered Ci, 5,670 m.

No. 418. Mar. 31, 1934; 14h 25m. Clouds: 5 Ci NW, 4 CiSt NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	336	SSE	2.2
216	298	ESE	4.4
414	298	ESE	7.0
612	298	ESE	12.6
801	295	ESE	10.1
990	281	E	2.3
1,170	200	NNE	1.3
1,350	187	N	1.6
1,530	175	N	1.2
1,710	169	N	1.4
1,890	136	NW	1.8
2,070	127	NW	3.7
2,250	128	NW	5.1
2,430	123	WNW	5.5
2,610	120	WNW	6.3

No. 418—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,790	121	WNW	7.7
2,970	123	WNW	8.3
3,150	124	NW	9.2
3,330	129	NW	10.5
3,510	132	NW	10.6
3,690	138	NW	10.5
3,870	135	NW	11.6
4,050	135	NW	12.7

Disappearance: Frost on lens.

No. 419. Mar. 31, 1934; 22h 12m. Clouds: 5 Ci NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	293	ESE	4.0
216	290	ESE	13.0
414	277	E	7.2
612	218	NE	2.0
801	201	NNE	2.1
990	168	NNW	2.2
1,170	161	NNW	2.0
1,350	153	NNW	2.2
1,530	123	WNW	3.5
1,710	118	WNW	5.0
1,890	115	WNW	4.8
2,070	105	WNW	4.5
2,250	106	WNW	4.8
2,430	105	WNW	5.4
2,610	113	WNW	6.0
2,790	123	WNW	7.0
2,970	131	NW	7.2
3,150	138	NW	7.7
3,330	137	NW	7.5
3,510	135	NW	8.3
3,690	135	NW	9.1
3,870	140	NW	7.8
4,050	140	NW	9.8

Disappearance: Frost on lens.

No. 420. Apr. 1, 1934; 14h 24 m. Clouds: 5 Ci NW, 3 CiSt NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	268	E	11.2
216	244	ENE	12.5
414	209	NNE	11.8
612	197	NNE	11.2
801	195	NNE	10.0
990	190	N	8.9
1,170	191	N	6.8
1,350	192	NNE	5.8
1,530	191	N	5.0
1,710	187	N	4.8
1,890	184	N	5.0
2,070	180	N	5.2
2,250	180	N	4.2
2,430	145	NW	3.5
2,610	108	WNW	5.6
2,790	100	W	6.4
2,970	103	WNW	6.5

Disappearance: Drifting snow.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 421. Apr. 2, 1934; 14h 04m. Clouds: 5 Ci NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	90	W	3. 1
216	70	WSW	9. 1
414	69	WSW	13. 7
612	74	WSW	13. 6
801	78	WSW	13. 6
990	88	W	13. 7
1, 170	98	W	12. 8
1, 350	102	WNW	12. 3
1, 530	107	WNW	12. 2
1, 710	97	W	14. 2
1, 890	89	W	16. 2
2, 070	93	W	15. 2
2, 250	99	W	14. 5
2, 430	104	WNW	14. 8
2, 610	109	WNW	16. 2
2, 790	113	WNW	17. 2
2, 970	113	WNW	17. 2

Disappearance: Distance (?).

No. 422. Apr. 2, 1934; 20h 17m. Clouds: 8 CiSt NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	3. 6
216	108	WNW	1. 2
414	106	WNW	2. 8
612	128	NW	4. 0
801	147	NNW	5. 5
990	155	NNW	5. 5
1, 170	160	NNW	6. 0
1, 350	161	NNW	6. 3
1, 530	163	NNW	6. 8
1, 710	163	NNW	6. 8
1, 890	162	NNW	6. 8
2, 070	161	NNW	8. 1
2, 250	164	NNW	10. 6
2, 430	166	NNW	11. 0
2, 610	168	NNW	12. 8
2, 790	168	NNW	15. 5

Disappearance: Frost on lens.

No. 423. Apr. 4, 1934; 14h 25m. Clouds: 10 St NNW. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	178	N	11. 2
216	170	N	13. 0
414	166	NNW	13. 5

Disappearance: Entered St, 414 m.

No. 424. Apr. 4, 1934; 20h 28m. Clouds: 0. Vis.: Surface 4, aloft 7. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	224	NE	9. 8
216	181	N	13. 4
414	168	NNW	19. 2
612	168	NNW	22. 0
801	175	N	21. 5
990	181	N	19. 2
1, 170	176	N	17. 2

No. 424—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 350	166	NNW	16. 3
1, 530	161	NNW	15. 0
1, 710	165	NNW	14. 5
1, 890	168	NNW	15. 5
2, 070	165	NNW	16. 2
2, 250	166	NNW	15. 5
2, 430	168	NNW	15. 0

Disappearance: Distance.

No. 425. Apr. 5, 1934; 8h 27m. Clouds: 10 St NE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	251	ENE	7. 6
216	243	ENE	15. 0
414	242	ENE	18. 2
612	237	ENE	14. 3
706	232	NE	14. 5

Disappearance: Entered St, 706 m.

No. 426. Apr. 5, 1934; 14h 26m. Clouds: 10 St NE. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	286	ESE	10. 7
216	249	ENE	13. 5
414	229	NE	15. 7
612	220	NE	12. 5
801	215	NE	9. 7

Disappearance: Entered St, 801 m.

No. 427. Apr. 5, 1934; 20h 10m. Clouds: 10 ASt ENE. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	8. 0
216	270	E	9. 9
414	253	ENE	11. 3
612	242	ENE	9. 5
801	236	NE	10. 2
990	224	NE	10. 8
1, 170	211	NNE	11. 3
1, 350	209	NNE	10. 5
1, 530	220	NE	7. 8
1, 710	240	ENE	6. 0
1, 890	257	ENE	4. 4
2, 070	261	E	4. 3
2, 250	248	ENE	4. 5
2, 430	246	ENE	4. 2

Disappearance: Entered ASt, 2,430 m.

No. 428. Apr. 6, 1934; 9h 24m. Clouds: 10 St ENE. Vis.: 3. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	7. 6
216	263	E	7. 7
414	244	ENE	8. 0
612	245	ENE	8. 5

Disappearance: Entered St, 612 m.

No. 429. Apr. 6, 1934; 15h 18m. Clouds: 10 St NE. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	7. 6
216	269	E	7. 4
414	233	NE	7. 2
513	215	NE	8. 8

Disappearance: Entered St, 513 m.

No. 430. Apr. 6, 1934; 19h 43m. Clouds: 10 St NNE. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	8. 0
216	257	ENE	9. 3
414	233	NE	8. 5
612	222	NE	8. 6
801	202	NNE	9. 8
990	192	NNE	11. 0

Disappearance: Entered St, 990 m.

No. 431. Apr. 7, 1934; 8h 15m. Clouds: 10 St N. Vis.: 3. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	279	E	10. 3
216	264	E	12. 8
414	245	ENE	12. 5
612	232	NE	11. 0
801	220	NE	9. 7
990	213	NNE	10. 2
1, 170	203	NNE	10. 8
1, 350	187	N	10. 6
1, 440	178	N	11. 0

Disappearance: Entered St, 1440 m.

No. 432. Apr. 7, 1934; 13h 36m. Clouds: 10 St NNE Vis: 2

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	13. 4
216	258	ENE	13. 6
414	240	ENE	14. 0
612	227	NE	13. 1
801	220	NE	12. 0
990	212	NNE	13. 0
1, 170	208	NNE	13. 7
1, 350	207	NNE	13. 5

Disappearance: Entered St, 1,350 m.

No. 433. Apr. 7, 1934; 20h 06m. Clouds: 1 ASt NNE. Vis: 2

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	10. 3
216	250	ENE	13. 5
414	227	NE	15. 0
612	216	NE	14. 4
801	209	NNE	14. 5
990	210	NNE	14. 0

No. 433—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 170	214	NE	13. 2
1, 350	221	NE	14. 0
1, 530	221	NE	15. 0
1, 710	218	NE	14. 8
1, 890	212	NNE	12. 1
2, 070	203	NNE	9. 5
2, 250	200	NNE	8. 8
2, 430	205	NNE	9. 5
2, 610	207	NNE	9. 2

Disappearance: Distance.

No. 434. Apr. 8, 1934; 8h 20m. Clouds: 10 ASt NNE. Vis: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	9. 8
216	248	ENE	9. 3
414	217	NE	9. 3
612	221	NE	10. 5
801	227	NE	10. 7
990	226	NE	9. 7
1, 170	223	NE	9. 9
1, 350	224	NE	10. 3
1, 530	226	NE	9. 9
1, 710	226	NE	9. 8
1, 890	221	NE	9. 3
2, 070	212	NNE	8. 8
2, 250	207	NNE	8. 5

Disappearance: Entered ASt, 2,250m.

No. 435. Apr. 8, 1934; 14h 47m. Clouds: 10 ASt NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	264	E	7. 6
216	252	ENE	8. 5
414	222	NE	9. 6
612	219	NE	10. 8
801	222	NE	11. 0
990	227	NE	11. 0
1, 170	234	NE	10. 8
1, 350	238	ENE	11. 7
1, 530	240	ENE	12. 1
1, 710	239	ENE	10. 5
1, 890	229	NE	7. 2
2, 070	217	NE	5. 5
2, 250	219	NE	7. 6
2, 430	222	NE	6. 7
2, 610	222	NE	6. 5

Disappearance: Entered ASt, 2,610 m.

No. 436. Apr. 8, 1934; 20h 35m. Clouds: 0. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	8. 0
216	253	ENE	9. 8
414	224	NE	8. 5
612	215	NE	8. 3
801	223	NE	10. 2
990	224	NE	11. 4
1, 170	230	NE	12. 0
1, 350	228	NE	12. 1
1, 530	219	NE	12. 3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 436—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,710	215	NE	12.2
1,890	215	NE	12.0
2,070	209	NNE	12.0
2,250	199	NNE	13.2
2,430	203	NNE	14.3
2,610	213	NNE	14.5
2,790	214	NE	14.2

Disappearance: Distance.

No. 437. Apr. 9, 1934; 8h 16m. Clouds: 5 Ci NNE, 4 ASt NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	256	ENE	2.7
216	245	ENE	8.8
414	223	NE	8.4
612	224	NE	8.9
801	227	NE	10.3
990	227	NE	13.6
1,170	227	NE	15.5
1,350	233	NE	14.8
1,530	244	ENE	14.8
1,710	245	ENE	14.7
1,890	240	ENE	15.5
2,070	236	NE	16.3
2,250	233	NE	17.0
2,430	232	NE	17.2
2,610	231	NE	18.5
2,790	227	NE	18.8
2,970	223	NE	17.2
3,150	221	NE	17.2
3,330	223	NE	18.5
3,510	220	NE	19.5
3,690	215	NE	20.5
3,870	216	NE	20.6

Disappearance: Distance.

No. 438. Apr. 9, 1934; 14h 15m. Clouds: 10 St NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	274	E	1.8
216	237	ENE	3.6
414	214	NE	2.6

Disappearance: Entered St, 414 m.

No. 439. Apr. 10, 1934; 8h 01m. Clouds: 10 St ENE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	2.7
216	284	ESE	7.8
414	276	E	6.7
612	281	E	3.2
801	273	E	3.2
990	261	E	3.1
1,170	249	ENE	3.6
1,350	246	ENE	4.0

Disappearance: Entered St, 1,350 m.

No. 440. Apr. 10, 1934; 14h 03m. Clouds: 10 St SSE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	301	ESE	4.0
216	286	ESE	7.4
414	291	ESE	7.2
612	324	SE	4.9
801	335	SSE	6.3
990	332	SSE	6.8

Disappearance: Entered St, 990 m.

No. 441. Apr. 10, 1934; 19h 06m. Clouds: 5 St E

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	265	E	1.3
216	322	SE	9.0
414	324	SE	6.7

Disappearance: Lost from field.

No. 442. Apr. 11, 1934; 8h 16m. Clouds: 10 St NNE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	313	SE	1.8
216	294	ESE	7.1
414	286	ESE	8.0
612	261	E	7.5
801	252	ENE	8.7
990	259	E	8.0
1,170	263	E	7.7
1,350	259	E	8.0
1,530	251	ENE	8.5
1,710	242	ENE	8.3
1,890	223	NE	7.0
2,070	213	NNE	6.8

Disappearance: Entered St, 2,070 m.

No. 443. Apr. 11, 1934; 15h 02m. Clouds: 10 ASt ENE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	332	SSE	1.8
216	290	ESE	16.3
414	284	ESE	16.5
612	281	E	11.3
801	277	E	10.0
990	275	E	8.5
1,170	269	E	8.1
1,350	264	E	9.3
1,530	260	E	11.0
1,710	262	E	12.5
1,890	269	E	13.6
2,070	272	E	14.7
2,250	274	E	14.5
2,430	273	E	13.5
2,610	269	E	12.4
2,790	256	ENE	12.7
2,970	243	ENE	13.0
3,150	238	ENE	12.0

Disappearance: Entered ASt, 3,150 m.

No. 444. Apr. 11, 1934; 21h 03m. Clouds: 0. Vis.: 4. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	8.9
216	278	E	14.3
414	263	E	12.6
612	231	NE	10.8
801	215	NE	9.8
990	210	NNE	7.4
1,170	214	NE	7.5
1,350	224	NE	8.2
1,530	225	NE	9.4
1,710	228	NE	10.1
1,890	233	NE	10.5
2,070	234	NE	10.2
2,250	236	NE	7.2
2,430	224	NE	4.7
2,610	220	NE	5.0
2,790	218	NE	5.8
2,970	220	NE	6.3
3,150	223	NE	6.7

Disappearance: Distance

No. 445. Apr. 12, 1934; 8h 23m. Clouds: 8 CiSt E. Vis.: 6.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	3.1
216	304	SE	8.8
414	305	SE	8.5
612	326	SE	6.7
801	346	SSE	6.8
990	339	SSE	6.6
1,170	324	SE	6.8
1,350	320	SE	6.1
1,530	311	SE	5.2
1,710	316	SE	5.3
1,890	325	SE	6.2
2,070	318	SE	6.0
2,250	314	SE	5.4
2,430	319	SE	6.2
2,610	309	SE	6.8
2,790	295	ESE	7.1
2,970	293	ESE	7.3
3,150	289	ESE	7.5
3,330	275	E	7.1
3,510	258	ENE	6.8
3,690	263	E	6.1
3,870	282	ESE	5.4
4,050	279	E	7.4
4,230	279	E	9.7
4,410	287	ESE	9.8
4,590	281	E	8.5
4,770	272	E	8.6
4,950	273	E	8.6
5,130	277	E	8.0

Disappearance: Entered CiSt 5,130 m.

No. 446. Apr. 12, 1934; 14h 14m. Clouds: 8 CiSt ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	1.8
216	301	ESE	7.5
414	294	ESE	8.0
612	295	ESE	4.8

No. 446—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	305	SE	4.0
990	295	ESE	4.2
1,170	254	ENE	3.0
1,350	218	NE	3.3
1,530	218	NE	3.8
1,710	229	NE	3.0
1,890	249	ENE	2.0
2,070	281	E	2.2
2,250	300	ESE	2.9
2,430	306	SE	3.5
2,610	312	SE	3.8
2,790	316	SE	4.4
2,970	321	SE	4.7
3,150	331	SSE	5.8
3,330	319	SE	6.8
3,510	301	ESE	6.9
3,690	293	ESE	7.5
3,870	289	ESE	8.0
4,050	282	ESE	8.8
4,230	280	E	9.7
4,410	279	E	9.2
4,590	277	E	8.0
4,770	275	E	7.8
4,950	276	E	7.4
5,130	276	E	6.6
5,310	273	E	6.5
5,490	272	E	5.3
5,670	283	ESE	5.5
5,850	286	ESE	7.3
6,030	281	E	7.4
6,210	277	E	6.8
6,390	271	E	7.5
6,570	264	E	8.5
6,750	260	E	8.4
6,930	256	ENE	8.0
7,110	251	ENE	7.4
7,290	251	ENE	6.8
7,470	253	ENE	6.0
7,650	253	ENE	5.4

Disappearance: Entered CiSt, 7,650 m.

No. 447. Apr. 12, 1934; 20h 12m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	4	S	0.9
216	318	SE	5.3
414	311	SE	6.3
612	316	SE	3.8
801	340	SSE	2.2
990	350	S	0.8
1,170	11	S	0.7
1,350	24	SSW	1.7
1,530	20	SSW	1.5
1,710	19	SSW	2.3
1,890	354	S	2.7
2,070	313	SE	2.2
2,250	306	SE	2.8
2,430	309	SE	3.8
2,610	304	SE	5.0
2,790	291	ESE	6.0
2,970	281	E	6.4
3,150	267	E	6.7
3,330	258	ENE	5.7
3,510	275	E	4.0
3,690	293	ESE	4.1
3,870	306	SE	4.6
4,050	317	SE	5.5
4,230	306	SE	6.5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 447—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,410	301	ESE	7.4
4,590	309	SE	7.7
4,770	306	SE	7.8
4,950	294	ESE	7.8
5,130	292	ESE	6.5
5,310	294	ESE	5.8
5,490	282	ESE	6.0
5,670	270	E	5.0
5,850	268	E	4.5

Disappearance: Candle out (?)

No. 448. Apr. 13, 1934; 8h 06m. Clouds: Few CiSt ESE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	10	S	1.8
216	309	SE	6.0
414	311	SE	4.8
612	300	ESE	2.8
801	281	E	2.0
990	278	E	1.7
1,170	301	ESE	1.8
1,350	311	SE	2.2
1,530	308	SE	3.0
1,710	298	ESE	3.1
1,890	299	ESE	3.2
2,070	306	SE	3.0
2,250	311	SE	3.5
2,430	308	SE	5.0
2,610	305	SE	5.8
2,790	298	ESE	5.8
2,970	291	ESE	5.5
3,150	290	ESE	5.3
3,330	292	ESE	5.8
3,510	294	ESE	6.5
3,690	297	ESE	7.0
3,870	299	ESE	7.1
4,050	300	ESE	7.5
4,230	301	ESE	7.5
4,410	296	ESE	7.4
4,570	295	ESE	7.3
4,770	296	ESE	7.0
4,950	292	ESE	6.3
5,130	287	ESE	5.7

Disappearance: Background.

No. 449. Apr. 13, 1934; 13h 18m. Clouds: 9 St ESE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	307	SE	2.7
216	289	ESE	4.5
414	283	ESE	5.0

Disappearance: Entered St, 414 m. Low stratus clouds drifting in rapidly from NNE.

No. 450. Apr. 13, 1934; 18h 33m. Clouds: 10 St WNW. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	300	ESE	8.0
216	275	E	3.7
414	121	WNW	2.8
612	108	WNW	5.0

Disappearance: Entered St, 12 m.

No. 451. Apr. 14, 1934; 7h 45 m. Clouds: Few St ESE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	6.7
216	289	ESE	10.3
414	291	ESE	6.0
612	331	SSE	2.2
801	10	S	2.7
990	359	S	3.6
1,170	356	S	3.3
1,350	348	SSE	2.7
1,530	327	SSE	3.5
1,710	319	SE	5.5
1,890	311	SE	7.2
2,070	303	ESE	7.2
2,250	300	ESE	7.3
2,430	304	SE	7.0
2,610	298	ESE	6.8
2,790	293	ESE	6.5
2,970	302	ESE	6.2
3,150	301	ESE	6.8
3,330	299	ESE	7.3
3,510	303	ESE	8.2
3,690	305	SE	8.3
3,870	307	SE	8.7
4,050	308	SE	8.4
4,230	309	SE	8.0
4,410	309	SE	8.2
4,590	309	SE	8.2
4,770	306	SE	9.3
4,950	305	SE	8.0
5,130	301	ESE	7.2
5,310	300	ESE	7.3
5,490	300	ESE	7.0
5,670	301	ESE	6.0
5,850	296	ESE	5.2
6,030	299	ESE	4.8
6,210	308	SE	5.0
6,390	309	SE	4.4
6,570	308	SE	4.0
6,750	301	ESE	4.0
6,930	290	ESE	5.0
7,110	290	ESE	5.6
7,290	300	ESE	4.5
7,470	303	ESE	4.3
7,650	304	SE	3.2
7,830	302	ESE	3.5
8,010	285	ESE	4.0
8,190	270	E	3.6

Disappearance: Distance.

No. 452. Apr. 14, 1934; 14h 03m. Clouds: 0. Lt. ground fog. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	317	SE	4.9
216	300	ESE	14.0
414	294	ESE	15.0
612	288	ESE	9.3
801	288	ESE	6.2
990	297	ESE	6.3
1,170	302	ESE	6.8
1,350	304	SE	7.7
1,530	301	ESE	7.6
1,710	293	ESE	7.0
1,890	295	ESE	6.8
2,070	301	ESE	7.6
2,250	302	ESE	8.7
2,430	304	SE	8.4
2,610	300	ESE	7.7

No. 452—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,790	299	ESE	7.2
2,970	296	ESE	7.1
3,150	294	ESE	7.5
3,330	293	ESE	8.2
3,510	296	ESE	10.6
3,690	301	ESE	11.3
3,870	303	ESE	11.0
4,050	302	ESE	10.8
4,230	300	ESE	10.2
4,410	301	ESE	8.3
4,590	302	ESE	7.5
4,770	300	ESE	6.7
4,950	294	ESE	5.5
5,130	290	ESE	4.5
5,310	298	ESE	4.5
5,490	300	ESE	5.0
5,670	299	ESE	5.4

Disappearance: Distance.

No. 453. Apr. 14, 1934; 20h 09m. Clouds: 0. Lt. shallow fog. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	307	SE	3.1
216	300	ESE	13.1
414	293	ESE	17.2
612	292	ESE	4.3
801	290	ESE	9.7
990	302	ESE	6.6
1,170	325	SE	7.3
1,350	319	SE	9.6
1,530	308	SE	11.3
1,710	308	SE	12.2

Disappearance: Light fog and local smoke.

No. 454. Apr. 15, 1934; 8h 07m. Clouds: 10 St SE. Lt. fog. Vis.: 3. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	312	SE	13.0
216	307	SE	15.5

Disappearance: Entered St, 216 m.

No. 455. Apr. 15, 1934; 18h 25m. Clouds: 0. Lt. fog. Vis.: 3. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	9.8
216	321	SE	8.5
414	319	SE	11.3
612	307	SE	15.2
801	302	ESE	15.7
990	300	ESE	13.5
1,170	300	ESE	11.2
1,350	304	SE	10.3
1,530	308	SE	11.0
1,710	309	SE	10.5
1,890	309	SE	10.3
2,070	306	SE	10.7
2,250	295	ESE	10.1
2,430	294	ESE	9.1

No. 455—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,610	286	ESE	6.8
2,790	273	E	5.0
2,970	238	ENE	3.0
3,150	221	NE	2.5
3,330	212	NNE	2.5
3,510	203	NNE	2.8
3,690	199	NNE	3.0
3,870	204	NNE	4.5
4,050	201	NNE	5.7
4,230	189	N	6.5
4,410	183	N	8.5
4,590	179	N	8.8
4,770	168	NNW	9.4
4,950	169	N	9.2
5,130	176	N	9.0
5,310	176	N	10.7
5,490	177	N	8.8
5,670	174	N	7.3
5,850	167	NNW	9.5
6,030	165	NNW	10.2
6,210	162	NNW	10.2
6,390	156	NNW	9.3
6,570	163	NNW	9.2
6,750	165	NNW	11.0

Disappearance: Candle burned out.

No. 456. Apr. 16, 1934; 8h 10m. Clouds: 10 ASt E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	3.6
216	322	SE	7.5
414	306	SE	14.0
612	296	ESE	16.3
801	293	ESE	14.5
990	293	ESE	13.2
1,170	293	ESE	10.3
1,350	306	SE	8.2
1,530	320	SE	9.5
1,710	330	SSE	10.5
1,890	326	SE	9.2
2,070	303	ESE	9.8
2,250	294	ESE	10.5
2,430	281	E	7.2
2,610	265	E	4.5
2,790	265	E	4.2

Disappearance: Entered ASt, 2,790 m.

No. 457. Apr. 16, 1934; 14h 17m. Clouds: 10 ASt ESE. Vis.: 2. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	8.4
216	305	SE	10.5
414	298	ESE	14.3
612	285	ESE	13.8
801	278	E	10.7
990	284	ESE	8.5
1,170	303	ESE	8.0
1,350	318	SE	9.7
1,530	320	SE	10.0
1,710	314	SE	8.5
1,890	301	ESE	7.4
2,070	288	ESE	7.7
2,250	283	ESE	8.5

Disappearance: Entered ASt, 2,250 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 458. Apr. 16, 1934; 20h 12m. Clouds: 10 ASt, E. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	308	SE	4. 9
216	303	ESE	11. 3
414	297	ESE	10. 7
612	284	ESE	7. 7
801	256	ENE	4. 6
990	303	ESE	4. 7
1, 170	306	SE	5. 0
1, 350	287	ESE	4. 7
1, 530	290	ESE	5. 7
1, 710	297	ESE	6. 1
1, 890	293	ESE	4. 8
2, 070	282	ESE	4. 9
2, 250	283	ESE	7. 0
2, 430	290	ESE	8. 7
2, 610	287	ESE	8. 3
2, 790	274	E	6. 5
2, 970	263	E	5. 8
3, 150	265	E	5. 6

Disappearance: Entered ASt, 3,150 m.

No. 459. Apr. 17, 1934; 8h 12m Clouds: Few Ci N or NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	21	SSW	1. 8
216	314	SE	3. 7
414	324	SE	4. 2
612	336	SSE	3. 5
801	323	SE	3. 6
990	321	SE	3. 4
1, 170	345	SSE	2. 5
1, 350	14	SSW	2. 6
1, 530	25	SSW	2. 2
1, 710	8	S	2. 0
1, 890	352	S	2. 7
2, 070	345	SSE	3. 0
2, 250	322	SE	2. 7
2, 430	288	ESE	2. 7
2, 610	282	ESE	2. 8
2, 790	286	ESE	2. 3
2, 970	308	SE	1. 8
3, 150	328	SSE	0. 7
3, 330	146	NW	1. 3
3, 510	152	NNW	2. 8
3, 690	155	NNW	3. 0
3, 870	171	N	3. 0
4, 050	178	N	3. 2
4, 230	177	N	3. 0
4, 410	171	N	3. 9
4, 590	165	NNW	4. 8
4, 770	158	NNW	4. 9
4, 950	157	NNW	4. 5
5, 130	162	NNW	4. 9
5, 310	173	N	5. 3
5, 490	168	NNW	5. 5
5, 670	162	NNW	5. 8
5, 850	168	NNW	6. 2
6, 030	172	N	6. 3
6, 210	168	NNW	6. 3
6, 390	173	N	7. 5
6, 570	176	N	7. 8
6, 750	174	N	6. 2
6, 930	194	NNE	4. 7
7, 110	225	NE	4. 6
7, 290	232	NE	5. 2
7, 470	226	NE	6. 8
7, 650	215	NE	8. 6

No. 459—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7, 830	203	NNE	9. 5
8, 010	187	N	10. 2
8, 190	177	N	11. 8
8, 370	179	N	15. 0
8, 550	179	N	17. 2
8, 730	177	N	17. 0
8, 910	175	N	16. 8
9, 090	175	N	18. 0
9, 270	173	N	18. 7
9, 450	172	N	19. 0
9, 630	173	N	21. 0
9, 810	173	N	22. 0

Disappearance: Local smoke.

No. 460. Apr. 17, 1934; 14h. Clouds: 1 Ci NNE, 6 CiSt NNE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	21	SSW	2. 2
216	23	SSW	2. 8
414	352	S	3. 3
612	332	SSE	4. 0
801	328	SSE	4. 2
990	70	WSW	1. 3
1, 170	290	ESE	0. 1
1, 350	350	S	0. 2
1, 530	167	NNW	1. 4
1, 710	130	NW	1. 7
1, 890	138	NW	0. 6
2, 070	70	WSW	0. 4
2, 250	325	SE	1. 5
2, 430	0	S	2. 3
2, 610	338	SSE	1. 2
2, 790	323	SE	0. 7
2, 970	348	SSE	0. 8
3, 150	351	S	1. 0
3, 330	259	E	1. 3
3, 510	237	ENE	2. 4
3, 690	244	ENE	2. 9
3, 870	233	NE	2. 5
4, 050	232	NE	3. 0
4, 230	230	NE	3. 8
4, 410	226	NE	5. 0
4, 590	217	NE	6. 2
4, 770	215	NE	6. 2
4, 950	221	NE	6. 1
5, 130	217	NE	6. 5
5, 310	212	NNE	6. 2
5, 490	212	NNE	5. 8

Disappearance: Entered CiSt, 5,490 m.

No. 461. Apr. 17, 1934; 19h 53m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	2	S	1. 8
216	15	SSW	4. 7
414	15	SSW	5. 4
612	18	SSW	4. 2
801	81	W	1. 8
990	97	W	3. 1
1, 170	121	WNW	2. 9
1, 350	114	WNW	3. 0
1, 530	108	WNW	2. 2
1, 710	115	WNW	1. 5
1, 890	125	NW	1. 2
2, 070	107	WNW	0. 9
2, 250	12	SSW	0. 2

No. 461—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 430	302	ESE	0. 9
2, 610	301	ESE	0. 6
2, 790	300	ESE	0. 5
2, 970	314	SE	1. 1
3, 150	274	E	1. 0
3, 330	283	ESE	1. 1
3, 510	294	ESE	1. 7
3, 690	300	ESE	2. 9
3, 870	301	ESE	2. 0
4, 050	302	ESE	1. 9
4, 230	321	SE	2. 9
4, 410	287	ESE	2. 7
4, 590	303	ESE	2. 3
4, 770	307	SE	2. 3
4, 950	304	SE	2. 2
5, 130	301	ESE	2. 2
5, 310	288	ESE	3. 0
5, 490	268	E	3. 2
5, 670	244	ENE	2. 6
5, 850	231	NE	3. 4
6, 030	202	NNE	4. 5
6, 210	182	N	5. 5
6, 390	180	N	5. 3
6, 570	175	N	4. 9
6, 750	173	N	4. 5

Disappearance: Candle out (?).

No. 462. Apr. 18, 1934; 8h 30m. Clouds: 2 Ci ENE Few ACu SE, Few ASt SE. Vis: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SE	0. 9
216	61	WSW	1. 2
414	51	SW	2. 8
612	19	SSW	4. 0
801	21	SSW	4. 2
990	40	SW	2. 8
1, 170	104	WNW	2. 0
1, 350	144	NW	5. 2
1, 530	149	NNW	3. 4
1, 710	148	NNW	2. 2
1, 890	162	NNW	1. 0
2, 070	172	N	1. 0
2, 250	290	ESE	1. 4
2, 430	304	SE	2. 5
2, 610	298	ESE	3. 5
2, 790	295	ESE	2. 1
2, 970	310	SE	2. 3
3, 150	302	ESE	2. 2
3, 330	303	ESE	3. 7
3, 510	304	SE	4. 4
3, 690	307	SE	4. 3
3, 870	322	SE	4. 4
4, 050	321	SE	4. 6
4, 230	313	SE	4. 4
4, 410	307	SE	4. 1
4, 590	305	SE	4. 0
4, 770	314	SE	4. 0
4, 950	313	SE	3. 7
5, 130	295	ESE	3. 5
5, 310	282	ESE	3. 5
5, 490	279	E	2. 8
5, 670	263	E	2. 6
5, 850	255	ENE	3. 4

Disappearance: Entered Ci 5,850 m.

No. 463. Apr. 18, 1934; 14h 16m. Clouds: Few Ci ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	2. 2
216	347	SSE	1. 0
414	50	SW	1. 2
612	80	W	1. 8
801	128	NW	1. 7
990	158	NNW	2. 5
1, 170	161	NNW	2. 5
1, 350	155	NNW	2. 8
1, 530	145	NW	4. 2
1, 710	140	NW	4. 5
1, 890	124	NW	2. 5
2, 070	50	SW	1. 2
2, 250	19	SSW	2. 0
2, 430	21	SSW	2. 7
2, 610	353	S	3. 2
2, 790	325	SE	2. 5
2, 970	323	SE	3. 5
3, 150	323	SE	3. 2

Disappearance: Bursting.

No. 464. Apr. 18, 1934; 19h 35m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	350	S	1. 8
216	340	SSE	1. 4
414	212	NNE	1. 8
612	179	N	3. 7
801	173	N	5. 2
990	179	N	4. 9
1, 170	181	N	3. 8
1, 350	171	N	3. 3
1, 530	162	NNW	3. 8
1, 710	157	NNW	3. 3
1, 890	177	N	1. 6
2, 070	252	ENE	1. 3
2, 250	275	E	0. 9
2, 430	289	ESE	1. 0
2, 610	314	SE	1. 3
2, 790	333	SSE	2. 0
2, 970	339	SSE	2. 6
3, 150	336	SSE	2. 7
3, 330	328	SSE	3. 0
3, 510	338	SSE	3. 0
3, 690	330	SSE	2. 8
3, 870	299	ESE	2. 5
4, 050	298	ESE	1. 7
4, 230	312	SE	1. 8
4, 410	307	SE	2. 4
4, 590	308	SE	3. 5
4, 770	305	SE	3. 8
4, 950	311	SE	4. 5
5, 130	310	SE	5. 0
5, 310	309	SE	5. 3
5, 490	313	SE	4. 8
5, 670	311	SE	5. 3
5, 850	311	SE	6. 0
6, 030	323	SE	6. 0
6, 210	328	SSE	6. 4
6, 390	324	SE	6. 4

Disappearance: Candle burnt out (?).

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 465. Apr. 19, 1934; 8h 20m. Clouds: 10 St E. Vis: 5.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	12	SSW	3. 6
216	295	ESE	4. 2
414	272	E	6. 5

Disappearance: Entered St, 414 m.

No. 466. Apr. 19, 1934; 14h 15m. Clouds: 10 St NNE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	1	S	4. 5
216	279	E	6. 2
414	231	NE	5. 0
612	210	NNE	5. 5
706	207	NNE	5. 0

Disappearance: Entered St, 706 m.

No. 467. Apr. 19, 1934; 20h 07m. Clouds: 10 St SE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	1	S	2. 7
216	311	SE	8. 5
414	323	SE	5. 0
612	324	SE	3. 3
801	318	SE	4. 0

Disappearance: Entered St, 801 m.

No. 468. Apr. 20, 1934; 11h 41m. Clouds: 10 ASt N. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	295	ESE	7. 6
216	300	ESE	13. 6
414	291	ESE	13. 6
612	304	SE	10. 2
801	307	SE	8. 9
990	291	ESE	9. 5
1, 170	278	E	12. 1
1, 350	267	E	12. 0
1, 530	254	ENE	11. 3
1, 710	244	ENE	12. 8
1, 890	239	ENE	13. 8
2, 070	235	NE	11. 5
2, 250	213	NNE	6. 0
2, 430	171	N	3. 5

Disappearance: Entered ASt, 2,430 m.

No. 469. Apr. 20, 1934; 18h 53m. Clouds: 4 ASt NE. Vis.: 3. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	11	S	4. 5
216	292	ESE	8. 3
414	287	ESE	7. 7
612	282	ESE	3. 8

No. 469—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	228	NE	1. 1
990	198	NNE	3. 5
1, 170	196	NNE	4. 6
1, 350	203	NNE	5. 0
1, 530	218	NE	7. 5
1, 710	224	NE	11. 0
1, 890	227	NE	10. 5
2, 070	228	NE	6. 0
2, 250	226	NE	2. 0

Disappearance: Poor visibility (due to falling snow).

No. 470. Apr. 21, 1934; 8h 27m. Clouds: 10 St ESE. Vis.: 3. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	298	ESE	2. 2
216	291	ESE	7. 3
414	301	ESE	7. 0

Disappearance: Entered St, 414 m.

No. 471. Apr. 21, 1934; 13h 15m. Clouds: 10 ASt NNE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	342	SSE	3. 1
216	288	ESE	6. 5
414	286	ESE	4. 4
612	301	ESE	2. 8
801	301	ESE	4. 3
990	297	ESE	5. 5
1, 170	291	ESE	5. 0
1, 350	291	ESE	4. 1
1, 530	291	ESE	3. 2
1, 710	276	E	2. 1
1, 890	261	E	2. 2
2, 070	260	E	2. 6
2, 250	235	NE	2. 6
2, 430	212	NNE	2. 9
2, 610	213	NNE	2. 5

Disappearance: Enterd ASt, 2,610 m.

No. 472. Apr. 21, 1934; 20h 15m. Clouds: 0. Vis.: 4. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	340	SSE	3. 1
216	282	ESE	3. 6
414	208	NNE	1. 2
612	143	NW	1. 7
801	136	NW	1. 5
990	239	ENE	0. 1
1, 170	240	ENE	0. 3
1, 350	280	E	0. 8
1, 530	296	ESE	2. 2
1, 710	280	E	2. 1
1, 890	234	NE	1. 9
2, 070	184	N	2. 4
2, 250	168	NNW	3. 3

Disappearance: Poor visibility due to falling ice crystals.

No. 473. Apr. 22, 1934; 8h 18m. Clouds: 10 St NNW. Vis.: 4. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	337	SSE	3. 6
216	281	E	2. 2
414	180	N	2. 5
612	164	NNW	3. 0
801	156	NNW	2. 5

Disappearance: Entered St, 801 m.

No. 474. Apr. 22, 1934; 12h 27m. Clouds: 10 St NNW. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	4	S	3. 6
216	308	SE	1. 4
414	137	NW	1. 7
612	147	NNW	1. 5
801	156	NNW	0. 8
895	160	NNW	0. 8

Disappearance: Entered St, 895 m.

No. 475. Apr. 22, 1934; 20h 02m. Clouds: 0. Vis: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	1. 8
216	136	NW	4. 0
414	133	NW	6. 5
612	130	NW	7. 3
801	134	NW	7. 2
990	135	NW	7. 6
1, 170	132	NW	7. 6
1, 350	126	NW	8. 0
1, 530	128	NW	8. 8
1, 710	134	NW	9. 2
1, 890	135	NW	9. 2
2, 070	141	NW	8. 3
2, 250	149	NNW	8. 6
2, 430	150	NNW	9. 5
2, 610	146	NW	9. 5
2, 790	134	NW	10. 2
2, 970	127	NW	11. 8
3, 150	129	NW	12. 0
3, 330	131	NW	12. 2

Disappearance: (?).

No. 476. Apr. 24, 1934; 6h 46m. Clouds: 10 ASt E. Vis.: 5. Vy. lt. drift and lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	8. 0
216	250	ENE	10. 4
414	229	NE	11. 5
612	226	NE	11. 2
801	241	ENE	10. 5
990	253	ENE	11. 8
1, 170	264	E	15. 5
1, 350	274	E	16. 7
1, 530	271	E	12. 2
1, 710	264	E	8. 2
1, 890	268	E	7. 3
2, 070	271	E	7. 0

Disappearance: Entered ASt, 2,070 m.

No. 477. Apr. 24, 1934; 19h 40m. Clouds: 4 ASt NE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	286	ESE	8. 0
216	276	E	6. 5
414	257	ENE	5. 1
612	244	ENE	5. 7
801	223	NE	5. 0
990	197	NNE	4. 5
1, 170	165	NNW	3. 8
1, 350	139	NW	1. 8
1, 530	130	NW	1. 3
1, 710	162	NNW	1. 2
1, 890	248	ENE	1. 2
2, 070	305	SE	1. 7
2, 250	305	SE	0. 7
2, 430	240	ENE	0. 8
2, 610	222	NE	3. 0
2, 790	216	NE	4. 5

Disappearance: Entered ASt (?), 2,790 m. 13h 56m; balloon entered St at 200 m. Cloud direction ENE; visibility 4. Lt. snow and lt. drift.

No. 478. Apr. 25, 1934; 8h 08m. Clouds: 10 St N. Vis.: 4. Lt. drift and lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	173	N	8. 9
216	174	N	14. 3
414	171	N	14. 6
612	171	N	13. 5
801	175	N	12. 3

Disappearance: Entered St, 801 m.

No. 479. Apr. 25, 1934; 14h 10m. Clouds: 5 CiSt N, 5 St NNE. Vis.: 5.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	195	NNE	5. 8
216	199	NNE	9. 3
414	196	NNE	10. 4
612	193	NNE	11. 5

Disappearance: Entered St, 612 m.

No. 480. Apr. 25, 1934; 20h 10m. Clouds: 7 ASt NE. Vis.: 5. Lt. drift and lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	254	ENE	5. 8
216	226	NE	10. 8
414	221	NE	13. 6
612	216	NE	14. 4
801	209	NNE	13. 8
990	210	NNE	11. 5
1, 170	222	NE	9. 9
1, 350	230	NE	10. 1
1, 530	229	NE	11. 9
1, 710	225	NE	13. 7
1, 890	223	NE	13. 6

Disappearance: Entered ASt, 1,890 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 481. Apr. 26, 1934; 9h. Clouds: 10 St NE. Vis.: 5. Lt. drift and lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	287	ESE	10. 3
216	280	E	9. 9
414	269	E	7. 4
612	259	E	5. 3
801	242	ENE	5. 1
990	226	NE	5. 0

Disappearance: Entered St, 990 m.

No. 482. Apr. 26, 1934; 14h 27m. Clouds: 9 StCu SE. Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	8. 5
216	288	ESE	10. 4
414	300	ESE	6. 8
612	334	SSE	3. 1
801	340	SSE	1. 5
990	348	SSE	1. 5
1, 170	335	SSE	1. 3
1, 265	321	SE	1. 8

Disappearance: Entered StCu, 1,265 m.

No. 483. Apr. 26, 1934; 19h 19m. Clouds: 1 ACu SE, 2 StCu ESE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	269	E	7. 2
216	282	ESE	10. 3
414	290	ESE	5. 2
612	320	SE	4. 4
801	311	SE	4. 2
990	284	ESE	2. 1
1, 170	299	ESE	2. 5
1, 350	300	ESE	4. 9
1, 530	293	ESE	6. 0
1, 710	290	ESE	6. 0
1, 890	291	ESE	6. 8
2, 070	292	ESE	6. 5
2, 250	293	ESE	6. 1
2, 430	305	SE	6. 0
2, 610	322	SE	6. 1
2, 790	326	SE	6. 6
2, 970	322	SE	7. 5
3, 150	318	SE	9. 0
3, 330	316	SE	9. 9
3, 510	319	SE	9. 4
3, 690	328	SSE	8. 5
3, 870	317	SE	8. 0
4, 050	302	ESE	7. 0
4, 230	307	SE	6. 5
4, 410	310	SE	5. 1
4, 590	328	SSE	4. 9
4, 770	332	SSE	5. 1
4, 950	327	SSE	5. 0

Disappearance: Distance. Bright moonlight.

No. 484. Apr. 27, 1934; 7h 57m. Clouds: 10 St NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	4	S	3. 6
216	300	ESE	6. 2
414	290	ESE	5. 6
612	288	ESE	3. 7
801	270	E	3. 4
990	272	E	2. 6
1, 170	271	E	3. 0
1, 350	264	E	3. 8
1, 530	241	ENE	4. 9
1, 710	220	NE	5. 4
1, 890	214	NE	5. 4

Disappearance: Entered St., 1,890 m.

No. 485. Apr. 27, 1934; 12h 32m. Clouds: 10 St E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	0	S	3. 1
216	287	ESE	9. 7
414	269	E	9. 8
612	259	E	6. 7
801	270	E	4. 6
990	264	E	4. 2
1, 170	259	E	5. 7
1, 350	264	E	5. 3
1, 530	267	E	5. 5

Disappearance: Entered St, 1,530 m.

No. 486. Apr. 27, 1934; 19h 40m. Clouds: 10 St E. Lt. drift, lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	288	ESE	8. 9
216	265	E	7. 7
414	240	ENE	6. 8
612	236	NE	6. 6
801	244	ENE	6. 6
990	251	ENE	8. 9
1, 170	257	ENE	9. 5
1, 350	262	E	8. 8

Disappearance: Entered St, 1,350 m.

No. 487. Apr. 28, 1934; 7h 53m. Clouds: 10 St NE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	271	E	6. 7
216	224	NE	9. 0
414	214	NE	10. 8
612	219	NE	10. 7
801	223	NE	10. 0
990	224	NE	9. 8

Disappearance: Entered St, 990 m.

No. 488. Apr. 28, 1934; 20h 01m. Clouds: 2 Ci. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	213	NNE	6. 3
216	193	NNE	10. 0
414	183	N	9. 9
612	185	N	10. 7
801	184	N	11. 1
990	183	N	11. 0
1, 170	187	N	10. 9
1, 350	184	N	11. 3
1, 530	177	N	11. 6
1, 710	178	N	12. 4
1, 890	175	N	12. 9
2, 070	173	N	13. 9
2, 250	176	N	14. 8

Disappearance: (?).

No. 489. Apr. 29, 1934; 19h 30m. Clouds: 2 CiSt. Lt. drift, lunar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	281	E	9. 8
216	282	ESE	11. 0
414	289	ESE	4. 1
612	11	S	2. 3
801	51	SW	2. 5
990	47	SW	2. 2
1, 170	306	SE	1. 4
1, 350	266	E	4. 7
1, 530	245	ENE	7. 8
1, 710	239	ENE	12. 0
1, 890	242	ENE	13. 9
2, 070	245	ENE	14. 0
2, 250	243	ENE	14. 0
2, 430	239	ENE	14. 1
2, 610	233	NE	13. 1
2, 790	233	NE	11. 8
2 970	228	NE	11. 2
3, 150	218	NE	12. 2
3, 330	214	NE	13. 4
3, 510	210	NNE	12. 3
3, 690	210	NNE	11. 5

Disappearance: Drifting snow.

No. 490. Apr. 30, 1934; 8h 32m. Clouds: Few Ci NNE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	356	S	6. 7
216	309	SE	8. 4
414	303	ESE	12. 2
612	297	ESE	13. 8
801	296	ESE	13. 0
990	300	ESE	11. 8
1, 170	308	SE	10. 7
1, 350	317	SE	10. 5
1, 530	320	SE	10. 5
1, 710	332	SSE	10. 7
1, 890	343	SSE	11. 0
2, 070	344	SSE	11. 0

Disappearance: (?).

No. 491. Apr. 30, 1934; 13h 24m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	2. 2
216	3	S	9. 5
414	359	S	11. 5
612	6	S	11. 4
801	334	SSE	12. 4
990	326	SE	13. 5
1, 170	344	SSE	12. 6
1, 350	348	SSE	13. 5
1, 530	350	S	14. 5
1, 710	351	S	13. 4
1, 890	353	S	12. 0

Disappearance: Background.

No. 492. Apr. 30, 1934; 20h 34m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	6. 3
216	4	S	8. 5
414	354	S	12. 4
612	357	S	14. 0
801	1	S	13. 0
990	6	S	13. 0
1, 170	6	S	14. 4
1, 350	5	S	15. 5
1, 530	6	S	14. 8
1, 710	5	S	13. 5
1, 890	5	S	12. 6
2, 070	4	S	11. 8
2, 250	2	S	11. 3
2, 430	2	S	11. 0
2, 610	1	S	11. 0
2, 790	2	S	11. 5
2, 970	7	S	9. 8
3, 150	10	S	8. 0

Disappearance: Distance. Bright moonlight.

No. 493. May 1, 1934; 8h 30m. Clouds: 9 ASt SSW, 1 St S

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	34	SW	2. 2
216	16	SSW	9. 0
315	2	S	11. 2

Disappearance: Entered St, 315 m.

No. 494. May 1, 1934; 14h 10m. Clouds: Few StCu SSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	1. 8
216	28	SSW	12. 0
414	25	SSW	15. 8
612	24	SSW	18. 6
801	25	SSW	21. 5
990	26	SSW	19. 5
1, 170	25	SSW	15. 7
1, 350	28	SSW	13. 2
1, 530	29	SSW	12. 7

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 494—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,710	28	SSW	12.8
1,890	29	SSW	13.0
2,070	33	SSW	12.2
2,250	31	SSW	12.0
2,430	31	SSW	13.5
2,610	33	SSW	14.5
2,790	32	SSW	16.0

Disappearance: Distance.

No. 495. May 1, 1934; 18h 53m. Clouds: 2 ACu SSW, 4 ASt SSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	33	SSW	7.2
216	22	SSW	13.0
414	20	SSW	16.0
612	17	SSW	11.5
801	10	S	8.5
990	16	SSW	9.0
1,170	29	SSW	11.9
1,350	32	SSW	14.2
1,530	32	SSW	15.2
1,710	35	SW	16.0
1,890	36	SW	15.3
2,070	35	SW	15.1
2,750	32	SSW	15.0
2,430	30	SSW	14.0
2,610	28	SSW	13.5
2,790	24	SSW	12.2
2,970	24	SSW	10.6
3,150	34	SW	10.3
3,330	35	SW	11.0

Disappearance: Distance.

No. 496. May 2. 1934; 8h 09m. Clouds: 9 ASt S. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm	--------	Calm
216	35	SW	0.3
414	73	WSW	2.0
612	53	SW	3.1
801	31	SSW	4.2
990	23	SSW	4.5
1,170	16	SSW	5.6
1,350	18	SSW	7.0
1,530	17	SSW	7.5
1,710	14	SSW	7.4
1,890	14	SSW	7.2
2,070	14	SSW	7.2
2,250	10	S	7.5

Disappearance: Entered ASt, 2,250 m.

No. 497. May 2, 1934; 13h 55m. Clouds: Few Ci S. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	242	ENE	3.1
216	174	N	1.6
414	91	W	3.4
612	75	WSW	5.8
801	65	WSW	5.5

No. 497—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	47	SW	5.4
1,170	37	SW	6.8
1,350	30	SSW	7.8
1,530	28	SSW	6.6
1,710	35	SW	5.8
1,890	39	SW	6.1
2,070	32	SSW	6.5
2,250	24	SSW	7.7
2,430	22	SSW	8.0
2,610	28	SSW	6.8
2,790	21	SSW	6.8
2,970	9	S	7.9

Disappearance: (?).

No. 498. May 2, 1934; 19h 33m. Clouds: 10 St NNW. Vis.: 3. Lt. drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	8.9
216	230	NE	4.0
414	154	NNW	4.5

Disappearance: Entered thin St, 414 m.

No. 499. May 4, 1934; 6h 55m. Clouds: 0. Vis.: 7. Ice crystals falling. Lunar corona.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	310	SE	2.2
216	278	E	6.1
414	290	ESE	5.9
612	312	SE	6.3
801	324	SE	7.5
990	328	SSE	7.8
1,170	334	SSE	7.8
1,350	335	SSE	8.0
1,530	332	SSE	7.3
1,710	332	SSE	7.7
1,890	332	SSE	8.8
2,070	334	SSE	7.9
2,250	343	SSE	7.9
2,430	347	SSE	9.3

Disappearance: Bursting.

No. 500. May 4, 1934; 8h 50m. Clouds: Few Ci. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	291	ESE	0.9
216	295	ESE	9.0
414	305	SE	8.7
612	311	SE	7.5
801	312	SE	7.5
990	316	SE	8.4
1,170	320	SE	9.7
1,350	322	SE	8.7
1,530	328	SSE	7.2
1,710	332	SSE	7.0
1,890	340	SSE	7.5
2,070	344	SSE	5.5
2,250	345	SSE	5.8
2,430	351	S	5.3

No. 500—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,610	4	S	3.7
2,790	22	SSW	3.0
2,970	40	SW	2.5
3,150	60	WSW	2.5

Disappearance: Frost on lens (?).

No. 501. May 4, 1934; 14h 15m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	343	SSE	1.9
216	296	ESE	12.8
414	295	ESE	12.8
612	300	ESE	10.4
801	303	ESE	11.6
990	301	ESE	13.7
1,170	302	ESE	12.5
1,350	304	SE	11.2

Disappearance: Frost on lens.

No. 502. May 4, 1934; 19h 10m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SE	2.2
216	311	SE	8.9
414	317	SE	11.0
612	310	SE	16.2
801	311	SE	15.8
990	317	SE	13.3
1,170	333	SSE	12.6
1,350	340	SSE	11.7
1,530	358	S	10.4
1,710	339	SSE	10.8
1,890	333	SSE	10.0
2,070	337	SSE	8.8
2,250	345	SSE	8.6
2,430	342	SSE	7.7
2,610	338	SSE	7.6
2,790	341	SSE	5.5
2,970	342	SSE	6.2
3,150	357	S	6.5
3,330	5	S	8.0
3,510	6	S	6.5
3,690	18	SSW	5.7
3,870	39	SW	5.8
4,050	50	SW	7.2
4,230	57	WSW	8.5
4,410	53	SW	7.0
4,590	34	SW	6.7
4,770	41	SW	7.5
4,950	57	WSW	8.0

Disappearance: Distance.

No. 503. May 5, 1934; 9h. Clouds: 4 CiSt. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	21	SSW	1.3
216	338	SSE	5.1
414	342	SSE	9.5
612	349	S	11.2
801	345	SSE	10.8

No. 503—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	344	SSE	11.5
1,170	346	SSE	12.0
1,350	348	SSE	11.2
1,530	352	S	9.7
1,710	0	S	9.3
1,890	8	S	9.1
2,070	8	S	9.0

Disappearance: Frost on lens (?).

No. 504. May 5, 1934; 15h. Clouds: 9 St S

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	325	SE	0.9
216	321	SE	4.2
414	333	SSE	8.0
612	340	SSE	10.5
801	346	SSE	10.3
990	355	S	10.6
1,170	1	S	9.2
1,350	2	S	9.0

Disappearance: Entered St, 1,350 m.

No. 505. May 5, 1934; 16h (?). Clouds: 2 CiSt (WNW?). Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	1.3
216	309	SE	3.3
414	324	SE	7.4
612	325	SE	9.5
801	342	SSE	9.2
990	351	S	9.4
1,170	5	S	9.9
1,350	8	S	9.0
1,530	8	S	8.0
1,710	8	S	8.1
1,890	9	S	8.0
2,070	18	SSW	8.1
2,250	22	SSW	8.5
2,430	32	SSW	8.5
2,610	45	SW	7.1
2,790	61	WSW	5.5
2,970	61	WSW	5.5
3,150	72	WSW	5.5
3,330	84	W	6.5
3,510	86	W	7.2
3,690	97	W	8.0
3,870	105	WNW	8.4
4,050	106	WNW	7.4
4,230	104	WNW	7.2
4,410	104	WNW	6.7
4,590	108	WNW	6.8
4,770	107	WNW	7.5
4,950	104	WNW	8.5
5,130	107	WNW	8.0
5,310	116	WNW	7.4
5,490	130	NW	7.7
5,670	126	NW	9.0
5,850	111	WNW	11.0
6,0 0	105	WNW	12.0

Disappearance: Distance.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 506. May 5, 1934; 20h. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	3.1
216	304	SE	3.5
414	315	SE	6.7
612	325	SE	7.6
801	337	SSE	8.1
990	343	SSE	8.0
1,170	354	S	7.9
1,350	0	S	8.8
1,530	356	S	7.5
1,710	355	S	6.1
1,890	5	S	5.6
2,070	10	S	5.5
2,250	21	SSW	5.0
2,430	33	SSW	4.1
2,610	23	SSW	4.6
2,790	43	SW	5.9
2,970	63	WSW	6.2
3,150	69	WSW	5.8
3,330	81	W	5.8
3,510	86	W	5.3
3,690	87	W	5.7
3,870	87	W	6.3
4,050	98	W	7.0
4,230	98	W	8.0
4,410	99	W	8.6
4,590	99	W	8.8
4,770	99	W	7.3
4,950	104	WNW	7.5
5,130	105	WNW	8.0
5,310	96	W	9.0
5,490	90	W	10.7
5,670	87	W	10.8
5,850	84	W	13.8
6,030	84	W	15.8

Disappearance: Distance.

No. 507. May 6, 1934; 9h. Clouds: 0. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	289	ESE	8.0
216	304	SE	13.8
414	303	ESE	16.0
612	310	SE	15.2
801	326	SE	10.7
990	335	SSE	9.2
1,170	323	SE	10.8
1,350	315	SE	9.5
1,530	315	SE	8.2
1,710	321	SE	7.5
1,890	325	SE	6.0
2,070	327	SSE	5.9
2,250	329	SSE	7.0
2,430	324	SE	7.7
2,610	320	SE	8.8

Disappearance: Drift and background.

No. 508. May 7, 1934; 14h 27m. Clouds: Few CiSt. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	293	ESE	7.2
216	289	ESE	9.5
414	269	E	5.5
612	266	E	5.7
801	273	E	8.7

No. 508—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	275	E	10.7
1,170	274	E	9.2
1,350	274	E	7.5
1,530	275	E	7.2
1,710	277	E	7.0
1,890	287	ESE	6.2
2,070	294	ESE	6.0
2,250	288	ESE	7.1
2,430	276	E	7.3
2,610	268	E	7.3
2,790	266	E	7.5
2,970	266	E	7.2
3,150	265	E	6.3
3,330	267	E	4.0
3,510	264	E	2.2
3,690	246	ENE	2.0
3,870	254	ENE	2.0
4,050	265	E	2.2
4,230	262	E	2.5
4,410	260	E	2.8
4,590	260	E	3.5
4,770	257	ENE	4.2
4,950	250	ENE	4.3
5,130	233	NE	3.8
5,310	216	NE	4.5
5,490	207	NNE	5.0

Disappearance: Distance.

No. 509. May 7, 1934; 21h 15m. Clouds: 0. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	316	SE	3.1
216	302	ESE	12.2
414	301	ESE	7.2
612	298	ESE	4.1
801	288	ESE	5.6
990	290	ESE	7.5
1,170	292	ESE	8.8
1,350	287	ESE	9.5
1,530	284	ESE	9.4
1,710	286	ESE	8.7
1,890	286	ESE	8.1
2,070	294	ESE	7.4
2,250	289	ESE	8.2
2,430	284	ESE	9.5
2,610	287	ESE	10.0
2,790	284	ESE	10.0
2,970	283	ESE	9.6
3,150	279	E	9.5
3,330	277	E	6.0
3,510	279	E	3.8
3,690	284	ESE	3.5
3,870	287	ESE	3.3

Disappearance: Bursting.

No. 510. May 8, 1934; 9h 10m. Clouds: Few Ci. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	19	SSW	3.1
216	314	SE	7.8
414	304	SE	9.4
612	303	ESE	6.3
801	306	SE	5.8
990	307	SE	7.2
1,170	307	SE	8.6
1,350	307	SE	8.8

No. 510—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,530	308	SE	7.6
1,710	300	ESE	6.8
1,890	296	ESE	7.3
2,070	297	ESE	7.4
2,250	297	ESE	8.3
2,430	299	ESE	8.7
2,610	297	ESE	8.0
2,790	295	ESE	7.7
2,970	290	ESE	7.1
3,150	276	E	6.0
3,330	270	E	4.3
3,510	276	E	3.5
3,690	273	E	2.8
3,870	275	E	2.3
4,050	281	E	1.9
4,230	281	E	2.4
4,410	263	E	3.8
4,590	259	E	4.3
4,770	264	E	4.0

Disappearance: (?).

No. 511. May 8, 1934; 14h 45m. Clouds: Few CiSt. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	27	SSW	3.6
216	354	S	4.0
414	340	SSE	8.5
612	310	SE	11.6
801	307	SE	10.8
990	311	SE	9.3
1,170	319	SE	8.5
1,350	325	SE	9.0
1,530	323	SE	10.2
1,710	317	SE	10.5
1,890	311	SE	10.6
2,070	307	SE	10.1
2,250	302	ESE	8.9
2,430	298	ESE	7.5
2,610	299	ESE	6.8
2,790	305	SE	6.7
2,970	315	SE	5.3
3,150	332	SSE	4.6
3,330	352	S	4.4
3,510	339	SSE	3.8
3,690	327	SSE	3.5
3,870	289	ESE	2.1
4,050	255	ENE	1.6
4,230	266	E	0.8
4,410	324	SE	1.2
4,590	98	W	1.0
4,770	111	WNW	0.8
4,950	133	NW	1.5
5,130	148	NNW	2.5
5,310	170	N	2.5
5,490	184	N	2.7
5,670	197	NNE	2.3
5,850	189	N	2.1
6,030	178	N	2.6
6,210	184	N	2.4
6,390	181	N	2.1
6,570	161	NNW	2.3
6,750	142	NW	2.7
6,930	162	NNW	2.6
7,110	162	NNW	3.4
7,290	151	NNW	3.7
7,470	154	NNW	3.8

Disappearance: (?).

No. 512. May 8, 1934; 20h 45m. Clouds: 0. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	3.1
216	8	S	3.1
414	323	SE	7.0
612	315	SE	10.5
801	328	SSE	9.5
990	340	SSE	9.6
1,170	337	SSE	9.9
1,350	334	SSE	9.6
1,530	330	SSE	9.8
1,710	324	SE	9.8
1,890	320	SE	10.1
2,070	319	SE	10.1
2,250	316	SE	9.8
2,430	313	SE	9.7
2,610	313	SE	9.3
2,790	311	SE	9.2
2,970	311	SE	7.7
3,150	321	SE	6.0
3,330	336	SSE	4.7
3,510	338	SSE	3.8
3,690	326	SE	3.0
3,870	332	SSE	2.0
4,050	351	S	2.2
4,230	330	SSE	1.5
4,410	275	E	2.5
4,590	238	ENE	2.0
4,770	152	NNW	0.5
4,950	143	NW	0.5
5,130	205	NNE	1.3
5,310	238	ENE	1.6
5,490	222	NE	2.1
5,670	222	NE	2.8
5,850	212	NNE	2.3
6,030	194	NNE	2.0
6,210	208	NNE	2.5
6,390	204	NNE	3.2
6,570	176	N	4.7
6,750	155	NNW	5.0
6,930	158	NNW	4.6
7,110	170	N	5.3
7,290	166	NNW	6.0
7,470	162	NNW	6.3
7,650	159	NNW	6.0

Disappearance: (?).

No. 513. May 9, 1934: 9h 02m. Clouds: 0. Lt. shallow. Fog. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	354	S	6.7
216	357	S	10.0
414	343	SSE	9.2
612	337	SSE	9.9
801	339	SSE	11.2
990	342	SSE	10.1
1,170	343	SSE	10.2
1,350	340	SSE	10.3
1,530	340	SSE	9.8

Disappearance: Poor visibility.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 514. May 9, 1934; 12h. Clouds: 0. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	39	SW	7. 6
216	356	S	18. 7
414	349	S	21. 1
612	346	SSE	14. 3
801	347	SSE	8. 5
990	353	S	7. 7
1, 170	345	SSE	8. 5
1, 350	349	S	10. 4
1, 530	356	S	11. 0
1, 710	357	S	10. 2
1, 890	344	SSE	8. 2
2, 070	334	SSE	6. 6
2, 250	336	SSE	6. 6
2, 430	341	SSE	7. 7
2, 610	341	SSE	6. 9
2, 790	339	SSE	5. 2
2, 970	345	SSE	4. 3
3, 150	341	SSE	3. 2
3, 330	317	SE	3. 2
3, 510	304	SE	3. 0
3, 690	312	SE	3. 0
3, 870	297	ESE	2. 5
4, 050	297	ESE	2. 3
4, 230	296	ESE	2. 7
4, 410	295	ESE	2. 7
4, 590	273	E	2. 1
4, 770	257	ENE	2. 2
4, 950	232	NE	2. 1
5, 130	219	NE	2. 2
5, 310	221	NE	2. 0
5, 490	214	NE	2. 3
5, 670	200	NNE	3. 2
5, 850	182	N	3. 4
6, 030	168	NNW	3. 3
6, 210	159	NNW	4. 0
6, 390	152	NNW	5. 3
6, 570	151	NNW	5. 5
6, 750	150	NNW	3. 2
6, 930	151	NNW	4. 4
7, 110	152	NNW	3. 9
7, 290	130	NW	0. 7
7, 470	40	SW	1. 8
7, 650	345	SSE	1. 9
7, 830	336	SSE	1. 8
8, 010	3	S	3. 6
8, 190	344	SSE	4. 4
8, 370	312	SE	5. 0

Disappearance: Distance (?). Reversal of wind direction aloft.

No. 515. May 10, 1934; 9h. Clouds: Few Ci

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	267	E	2. 2
216	203	NNE	2. 4
414	162	NNW	1. 2
612	203	NNE	1. 5
801	196	NNE	3. 5
990	197	NNE	5. 3
1, 170	204	NNE	5. 5
1, 350	216	NE	4. 3
1, 530	229	NE	3. 5
1, 710	227	NE	3. 0
1, 890	247	ENE	2. 8
2, 070	245	ENE	3. 1
2, 250	239	ENE	3. 7
2, 430	239	ENE	4. 3

No. 515—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 610	238	ENE	4. 5
2, 790	236	NE	4. 0
2, 970	230	NE	4. 2
3, 150	227	NE	4. 1
3, 330	220	NE	3. 5
3, 510	219	NE	3. 1
3, 690	209	NNE	3. 3
3, 870	204	NNE	3. 9
4, 050	202	NNE	3. 6
4, 230	205	NNE	3. 0
4, 410	210	NNE	3. 0
4, 590	201	NNE	2. 7
4, 770	196	NNE	2. 5
4, 950	208	NNE	2. 9
5, 130	208	NNE	3. 2
5, 310	211	NNE	3. 3
5, 490	225	NE	3. 6
5, 670	239	ENE	4. 0
5, 850	240	ENE	3. 8
6, 030	225	NE	3. 5
6, 210	213	NNE	3. 4
6, 390	212	NNE	3 2
6, 570	211	NNE	3. 3
6, 750	211	NNE	3. 5
6, 930	211	NNE	3. 5
7, 110	211	NNE	3. 3
7, 290	210	NNE	3. 4
7, 470	210	NNE	3. 5
7, 650	210	NNE	3. 5
7, 830	210	NNE	3. 3
8, 010	208	NNE	3. 4
8, 190	208	NNE	3. 5
8, 370	208	NNE	3. 5
8, 550	208	NNE	3. 3
8, 730	208	NNE	3. 7
8, 910	203	NNE	3. 8
9, 090	203	NNE	3 2
9, 270	203	NNE	3. 5
9, 450	202	NNE	3. 9
9, 630	202	NNE	3. 8

Disappearance: Distance (?).

No. 516. May 10, 1934; 15h. Clouds: 10 St NNE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	287	ESE	4. 0
216	331	SSE	6. 0
414	186	N	10. 0
612	195	NNE	14. 6
801	206	NNE	15. 2

Disappearance: Entered St, 801 m.

No. 517. May 11, 1934; 9h. Clouds: 10 St NNE. Vis.: 3. Lt drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	266	E	7. 6
216	229	NE	9. 0
414	212	NNE	9. 8

Disappearance: Entered St, 414 m.

No. 518. May 11, 1934; 21h 44m. Clouds: 10 St ESE. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	7. 6
216	290	ESE	7. 6
414	292	ESE	7. 5
612	294	ESE	6. 7
801	293	ESE	6. 5

Disappearance: Entered St, 801 m.

No. 519. May 12, 1934; 9h 55m. Clouds: 9ACu SE. Vis.: 5. Lt. drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	282	ESE	8. 9
216	286	ESE	12. 8
414	285	ESE	6. 5
612	321	SE	0. 9
801	310	SE	0. 8
990	273	E	2. 8
1, 170	265	E	5. 3
1, 350	285	ESE	5. 9
1, 530	294	ESE	7. 1
1, 710	297	ESE	9. 5
1, 890	303	ESE	11. 0
2, 070	304	SE	11. 2

Disappearance: Entered ACu, 2,070 m.

No. 520. May 12, 1934; 15h 05m. Clouds: 0. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	343	SSE	2. 2
216	288	ESE	10. 3
414	267	E	7. 5
612	221	NE	3. 4
801	220	NE	2. 3
990	274	E	3. 0
1, 170	301	ESE	5. 1
1, 350	321	SE	5. 4
1, 530	324	SE	5. 8
1, 710	313	SE	6. 5
1, 890	314	SE	7. 1
2, 070	312	SE	7. 2
2, 250	311	SE	7. 6
2, 430	312	SE	8. 4

Disappearance: Local smoke.

No. 521. May 12, 1934; 20h 55m. Clouds: 10 St N. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	302	ESE	4. 0
216	287	ESE	4. 4
414	236	NE	3. 0
612	209	NNE	3. 3
801	279	E	4. 3
990	175	N	5. 7
1, 170	185	N	5. 6
1, 350	188	N	5. 8

Disappearance: Entered St. 1,350 m.

No. 522. May 13, 1934; 10h 50 m. Clouds: Few Ci SW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	301	ESE	7. 6
216	298	ESE	16. 7
414	289	ESE	17. 5
612	283	ESE	15. 3
801	284	ESE	12. 0
990	287	ESE	9. 7
1, 170	288	ESE	7. 7
1, 350	291	ESE	4. 5
1, 530	301	ESE	3. 2
1, 710	298	ESE	4. 7
1, 890	285	ESE	6. 1
2, 070	280	E	7. 1
2, 250	279	E	7. 7
2, 430	280	E	7. 0
2, 610	293	ESE	6. 0
2, 790	302	ESE	5. 8
2, 970	301	ESE	5. 7
3, 150	307	SE	5. 0
3, 330	312	SE	4. 0
3, 510	309	SE	3. 7
3, 690	309	SE	3. 8

Disappearance: Drifting snow.

No. 523. May 13, 1934; 14h 12m. Clouds: Few Ci. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	296	ESE	7. 6
216	297	ESE	17. 2
414	294	ESE	18. 8
612	298	ESE	13. 3
801	313	SE	7. 0
990	344	SSE	4. 5
1, 170	346	SSE	4. 8
1, 350	330	SSE	4. 5
1, 530	283	ESE	3. 0
1, 710	245	ENE	4. 0
1, 890	227	NE	5. 0
2, 070	263	E	6. 2
2, 250	265	E	6. 0
2, 430	269	E	5. 0
2, 610	254	ENE	3. 5

Disappearance: Bursting.

No. 524. May 14, 1934; 10h. Clouds: 10 St ESE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	301	ESE	4. 0
216	305	SE	7. 5
414	296	ESE	9. 9
513	288	ESE	10. 0

Disappearance: Entered St, 513 m.

No. 525. May 14, 1934; 21h 03m. Clouds: 10 St SE. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	4. 9
216	306	SE	1. 5
414	20	SSW	0. 4
612	28	SSW	0. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 525—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	292	ESE	0. 8
990	291	ESE	0. 4
1, 170	320	SE	1. 3
1, 350	304	SE	2. 8
1, 530	305	SE	4. 0
1, 710	310	SE	5. 9
1, 890	310	SE	6. 8
2, 070	314	SE	7. 1
2, 250	313	SE	8 2
2, 430	310	SE	9. 5

Disappearance: Entered St, 2,430 m.

No. 526. May 15, 1934; 9h 30m. Clouds: 3 Ast (ESE?), Few St Cu N. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	1	S	2. 2
216	240	ENE	1. 7
414	170	N	5. 5
612	160	NNW	7. 5
801	159	NNW	7. 2
990	161	NNW	6. 5
1, 170	164	NNW	4. 0
1, 350	249	ENE	1. 8
1, 530	280	E	3. 8
1, 710	280	E	4. 0
1, 890	294	ESE	5. 0
2, 070	299	ESE	6. 7
2, 250	295	ESE	7. 5
2, 430	299	ESE	6. 0
2, 610	313	SE	6. 0
2, 790	319	SE	6. 8
2, 970	319	SE	8. 0
3, 150	317	SE	8. 1
3, 330	315	SE	8. 2
3, 510	317	SE	9. 2
3, 690	313	SE	10. 4
3, 870	305	SE	11. 0
4, 050	302	ESE	12. 9
4, 230	302	ESE	14. 2

Disappearance: Entered ASt, 4, 230.

No. 527. May 15, 1934; 15h 52m. Clouds: 0. Lt. haze or fog. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	2	S	1. 8
216	225	NE	0. 6
414	148	NNW	4. 2
613	153	NNW	6. 2
801	170	N	7. 7
990	185	N	9. 2
1, 170	185	N	6. 8
1, 350	204	NNE	2. 7
1, 530	306	SE	2. 7
1, 710	318	SE	4. 0
1, 890	333	SSE	4. 8
2, 070	299	ESE	6. 0
2, 250	316	SE	6. 5
2, 430	312	SE	5. 9
2, 610	325	SE	5. 6
2, 790	323	SE	7. 3
2, 970	322	SE	8. 5
3, 150	321	SE	9. 7

No. 527—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 330	318	SE	11. 1
3, 510	319	SE	10. 3
3, 690	314	SE	9. 7
3, 870	301	ESE	9. 8
4, 050	314	SE	9. 5
4, 230	318	SE	9. 1
4, 410	325	SE	9. 2
4, 590	330	SSE	10. 2
4, 770	332	SSE	10. 2

Disappearance: (?).

No. 528. May 15, 1934; 21h 11m. Clouds: 0. Lt. shallow fog. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	340	SSE	1. 3
216	187	N	1. 5
414	165	NNW	5. 5
612	170	N	8. 0
801	170	N	8. 2

Disappearance: Fog. Stars visible overhead.

No. 529. May 16, 1934; 14h 25m. Clouds: 10 St NNE. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	4. 5
216	213	NNE	3. 8
414	198	NNE	4. 1
612	199	NNE	4. 0

Disappearance: Entered St, 612 m.

No. 530. May 17, 1934; 15h 15m. Clouds: 10 St NW. Vis.: 5. Snowing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	50	SW	2. 2
216	80	W	3. 0
414	90	W	3. 2
612	119	WNW	3. 5
801	132	NW	4. 0

Disappearance: Entered St, 801 m.

No. 531. May 18, 1934; 15h 05m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	4. 5
216	37	SW	5. 5
414	47	SW	4. 7
612	57	WSW	6. 5
801	57	WSW	7. 5
990	52	SW	7. 3
1, 170	52	SW	8. 3
1, 350	59	WSW	9. 9
1, 530	66	WSW	10. 7
1, 710	68	WSW	12. 3
1, 890	66	WSW	13. 0
2, 070	63	WSW	12. 9
2, 250	64	WSW	12. 4

No. 531—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 430	67	WSW	11. 8
2, 610	65	WSW	12. 0
2, 790	62	WSW	11. 2
2, 970	59	WSW	10. 2
3, 150	58	WSW	10. 0
3, 330	58	WSW	9. 9
3, 510	56	SW	9. 1
3, 690	56	SW	8. 5
3, 870	57	WSW	7. 0
4, 050	58	WSW	6. 2
4, 230	58	WSW	6. 2
4, 410	51	SW	4. 6
4, 590	50	SW	5. 0
4, 770	50	SW	5. 9
4, 950	54	SW	4. 8
5, 130	74	WSW	3. 4
5, 310	77	WSW	2. 7
5, 490	70	WSW	3. 0
5, 670	86	W	3. 0
5, 850	118	WNW	3. 5
6, 030	132	NW	3. 8

Disappearance: Distance. Sky cleared about 13h.

No. 532. May 18, 1934; 21h 10m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	2. 2
216	5	S	3. 5
414	11	S	3. 6
612	12	SSW	4. 2
801	10	S	4. 4
990	20	SSW	4. 4
1, 170	28	SSW	4. 8
1, 350	30	SSW	4. 4
1, 530	33	SSW	4. 4
1, 710	41	SW	5. 2
1, 890	49	SW	5. 6
2, 070	50	SW	5. 7
2, 250	52	SW	6. 2
2, 430	57	WSW	6. 3
2, 610	62	WSW	6. 2
2, 790	59	WSW	6. 0
2, 970	51	SW	6. 0
3, 150	44	SW	5. 2
3, 330	44	SW	5. 0
3, 510	49	SW	5. 2
3, 690	47	SW	4. 3
3, 870	39	SW	3. 4

Disappearance: (?).

No. 533. May 19, 1934; 9h 22m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	22	SSW	1. 8
216	0	S	3. 8
414	331	SSE	5. 5
612	330	SSE	8. 7
801	341	SSE	9. 4
990	352	S	9. 6
1, 170	351	S	9. 1
1, 350	349	S	7. 9
1, 530	356	S	8. 1
1, 710	6	S	7. 7
1, 890	11	S	7. 1
2, 070	9	S	7. 6
2, 250	10	S	6. 4

No. 533—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 430	6	S	5. 0
2, 610	5	S	5. 3
2, 790	3	S	5. 3
2, 970	356	S	5. 6
3, 150	353	S	5. 5
3, 330	0	S	5. 2
3, 510	3	S	5. 9
3, 690	7	S	7. 1
3, 870	7	S	7. 7
4, 050	6	S	7. 5

Disappearance: (?).

No. 534. May 19, 1934; 14h 57m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	38	SW	3. 6
216	7	S	6. 3
414	355	S	5. 3
612	359	S	5. 0
801	3	S	4. 6
990	3	S	5. 7
1, 170	5	S	7. 5
1, 350	14	SSW	8. 6
1, 530	16	SSW	8. 5
1, 710	16	SSW	8. 4
1, 890	15	SSW	8. 4
2, 070	11	S	7. 7
2, 250	14	SSW	7. 5
2, 430	17	SSW	7. 4
2, 610	21	SSW	7. 8
2, 790	24	SSW	7. 7
2, 970	33	SSW	6. 0
3, 150	43	SW	6. 2
3, 330	39	SW	7. 1
3, 510	49	SW	7. 5
3, 690	42	SW	7. 7
3, 870	42	SW	7. 9
4, 050	46	SW	7. 8
4, 230	45	SW	7. 4
4, 410	43	SW	7. 5
4, 590	45	SW	7. 0
4, 770	48	SW	6. 5
4, 950	52	SW	7. 2
5, 130	57	WSW	7. 8
5, 310	58	WSW	9. 0
5, 490	57	WSW	9. 5
5, 670	59	WSW	8. 4
5, 850	61	WSW	8. 0

Disappearance: Distance.

No. 535. May 19, 1934; 21h 13m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	84	W	3. 1
216	53	SW	9. 0
414	71	WSW	10. 7
612	78	WSW	11. 5
801	61	WSW	11. 5
990	51	SW	11. 6
1, 170	41	SW	11. 2
1, 350	43	SW	9. 9
1, 530	54	SW	9. 4
1, 710	57	WSW	10. 2
1, 890	57	WSW	11. 1
2, 070	57	WSW	11. 7
2, 250	57	WSW	12. 9
2, 430	56	SW	14. 1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
No. 535—Continued			
2,610	57	WSW	13.2
2,790	61	WSW	13.3
2,970	64	WSW	13.0
3,150	67	WSW	12.3
3,330	72	WSW	12.8
3,510	71	WSW	12.7
3,690	79	W	12.6
3,870	84	W	12.5
4,050	83	W	12.2
4,230	80	W	12.8
4,410	82	W	12.0
4,590	94	W	9.7
4,770	94	W	10.6
4,950	92	W	11.8
Disappearance: Distance.			
No. 536. May 20, 1934; 9h 13m. Clouds: 0			
Surface	59	WSW	2.2
216	39	SW	7.7
414	39	SW	7.0
612	42	SW	6.6
801	41	SW	6.8
990	43	SW	6.5
1,170	46	SW	8.8
1,350	42	SW	11.1
1,530	38	SW	11.1
1,710	42	SW	11.7
1,890	47	SW	12.3
2,070	48	SW	13.3
2,250	48	SW	13.7
2,430	47	SW	13.9
2,610	47	SW	14.0
2,790	48	SW	13.1
2,970	48	SW	12.2
Disappearance: Candle out (?).			
No. 537. May 20, 1934; 15h. Clouds: 0. Vis.: 7			
Surface	40	SW	1.3
216	59	WSW	7.4
414	57	WSW	8.0
612	60	WSW	7.3
801	56	SW	8.2
990	56	SW	9.4
1,170	56	SW	10.0
1,350	50	SW	11.2
1,530	46	SW	11.6
1,710	46	SW	11.6
1,890	43	SW	12.3
2,070	43	SW	13.2
2,250	40	SW	14.1
2,430	33	SSW	14.8
2,610	26	SSW	15.0
2,790	28	SSW	17.2
2,970	31	SSW	17.3
3,150	32	SSW	15.5
3,330	33	SSW	16.2
3,510	34	SW	18.4
3,690	33	SSW	17.3
3,870	32	SSW	16.4
4,050	31	SSW	18.0
4,230	27	SSW	16.0
4,410	28	SSW	15.5
4,590	32	SSW	18.0
Disappearance: Distance.			
No. 538. May 20, 1934; 20h. 45m. Clouds: 0. Vis.: 7			
Surface	35	SW	1.3
216	71	WSW	6.8
414	52	SW	10.0
612	42	SW	11.7
801	35	SW	12.7
990	30	SSW	14.9
1,170	29	SSW	16.4
1,350	31	SSW	17.0
1,530	26	SSW	16.6
1,710	23	SSW	14.8
1,890	31	SSW	13.2
2,070	34	SW	12.0
2,250	39	SW	11.0
2,430	50	SW	12.0
2,610	53	SW	11.8
2,790	51	SW	11.0
2,970	49	SW	11.5
3,150	47	SW	11.3
3,330	49	SW	10.5
3,510	52	SW	10.3
3,690	60	WSW	9.6
3,870	69	WSW	10.0
4,050	73	WSW	11.2
4,230	79	W	11.7
4,410	83	W	10.8
4,590	85	W	10.5
4,770	86	W	11.0
Disappearance: Distance.			
No. 539. May 21, 1934; 9h 18m. Clouds: 4 StCu NW. Vis.: 6			
Surface	244	ENE	4.9
216	186	N	7.5
414	172	N	6.8
612	155	NNW	4.5
801	101	W	3.6
990	59	WSW	7.5
1,170	46	SW	11.0
1,350	43	SW	11.5
1,530	39	SW	10.7
1,710	38	SW	9.4
1,890	40	SW	7.0
2,070	42	SW	4.8
2,250	56	SW	4.0
2,430	102	WNW	2.9
2,610	138	NW	5.0
2,790	148	NNW	6.8
2,970	154	NNW	7.7
3,150	149	NNW	8.5
Disappearance: (?).			
No. 540. May 21, 1934; 21h 25m. Clouds: 0. Lt. drift			
Surface	295	ESE	11.6
216	292	ESE	16.1
414	289	ESE	11.7
612	274	E	6.0
801	247	ENE	7.1
990	247	ENE	8.7
1,170	257	ENE	10.0
1,350	260	E	11.2
1,530	253	ENE	10.8
No. 540—Continued			
1,710	246	ENE	10.1
1,890	242	ENE	10.7
2,070	233	NE	10.6
2,250	227	NE	8.8
2,430	232	NE	7.6
2,610	220	NE	7.5
2,790	213	NNE	6.9
2,970	214	NE	7.1
3,150	200	NNE	7.0
3,330	195	NNE	7.6
3,510	192	NNE	10.8
3,690	181	N	10.7
3,870	176	N	10.8
4,050	179	N	12.5
4,230	176	N	13.9
4,410	172	N	15.0
Disapparance: Drifting snow			
No. 541. May 22, 1934; 9h 50m. Clouds: 10 St NNE. Vis.: 6			
Surface	211	NNE	8.0
216	205	NNE	12.6
414	207	NNE	14.1
Disappearance: Entered St, 414 m.			
No. 542. May 23, 1934; 9h 55m. Clouds: 10 ASt NNW. Vis.: 7			
Surface	270	E	2.2
216	230	NE	0.7
414	150	NNW	4.9
612	158	NNW	9.3
801	169	N	11.0
990	173	N	11.2
1,170	167	NNW	10.2
1,350	155	NNW	9.6
1,530	145	NW	11.2
1,710	145	NW	13.5
1,890	147	NNW	14.0
2,070	149	NNW	13.0
2,250	152	NNW	12.0
2,430	155	NNW	11.4
2,610	156	NNW	10.7
2,790	154	NNW	10.9
2,970	153	NNW	11.4
3,150	161	NNW	11.5
3,330	164	NNW	11.0
Disappearance: Entered ASt, 3,330 m.			
No. 543. May 24, 1934; 21h 50m. Clouds: 10 St SE. Vis.: 4.			
Surface	295	ESE	5.4
216	304	SE	2.5
Disappearance: Entered St, 216 m.			
No. 544. May 25, 1934; 9h 10m. Clouds: Few Ci (NE?), Few CiSt (NE?), 1 ASt (N?). Vis.: 7			
Surface	186	N	5.8
216	179	N	9.2
414	188	N	8.7
612	197	NNE	9.3
801	196	NNE	9.6
990	197	NNE	9.5
1,170	201	NNE	9.3
1,350	204	NNE	9.0
1,530	202	NNE	8.8
1,710	201	NNE	8.7
1,890	203	NNE	7.6
2,070	200	NNE	9.3
2,250	200	NNE	12.8
2,430	198	NNE	11.5
2,610	187	NNE	10.2
2,790	176	N	10.9
2,970	189	N	11.7
3,150	179	N	13.7
3,330	174	N	13.0
Disappearance: Distance.			
No. 545. May 25, 1934; 15h 35m. Clouds: 5 St NNE.			
Surface	266	E	3.1
216	196	NNE	4.5
414	188	N	6.0
612	189	N	7.0
801	198	NNE	8.0
990	204	NNE	9.0
Disappearance: Entered St, 990 m.			
No. 546. May 25, 1934; 20h 35m. Clouds: 10 ASt NE. Vis.: 6			
Surface	247	ENE	1.3
216	274	E	6.8
414	258	ENE	5.0
612	242	ENE	5.3
801	249	ENE	5.2
990	262	E	4.8
1,170	251	ENE	4.8
1,350	228	NE	6.1
1,530	213	NNE	8.4
1,710	207	NNE	9.7
1,890	203	NNE	8.8
2,070	204	NNE	8.0
2,250	205	NNE	7.2
2,430	208	NNE	5.9
2,610	217	NE	5.2
Disappearance: Entered ASt, 2,610 m.			
No. 547. May 26, 1934; 21h 30m. Clouds: 6 ASt NNE			
Surface	298	ESE	5.8
216	288	ESE	11.7
414	272	E	9.2
612	251	ENE	6.6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 547—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	240	ENE	5. 2
990	222	NE	4. 3
1, 170	201	NNE	4. 7
1, 350	213	NNE	6. 5
1, 530	214	NE	8. 1
1, 710	205	NNE	7. 5
1, 890	198	NNE	6. 3
2, 070	197	NNE	7. 5
2, 250	196	NNE	7. 4
2, 430	194	NNE	8. 0
2, 610	192	NNE	8. 2
2, 790	194	NNE	8. 1
2, 970	200	NNE	7. 7
3, 150	205	NNE	7. 8
3, 330	199	NNE	8. 6
3, 510	195	NNE	9. 0

Disappearance: Entered ASt, 3,510 m.

No. 548. May 28, 1934; 20h 20m. Clouds: 10 St NE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	7. 2
216	263	E	8. 8
414	244	ENE	5. 6
612	229	NE	4. 7
801	222	NE	5. 6
990	231	NE	5. 1
1, 170	240	ENE	5. 6
1, 350	225	NE	7. 3
1, 530	214	NE	8. 0

Disappearance: Entered St, 1,530 m.

No. 549. May 29, 1934; 10h 50m. Clouds: 10 St. NE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	6. 7
216	241	ENE	7. 5
414	220	NE	6. 3
612	215	NE	5. 9
801	212	NNE	6. 7
990	210	NNE	6. 4
1, 170	216	NE	5. 1
1, 350	222	NE	5. 2
1, 530	218	NE	5. 6

Disappearance: Entered St, 1,530 m.

No. 550. May 31, 1934; 12h 02m. Clouds: 4 ASt NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	264	E	3. 1
216	240	ENE	7. 1
414	228	NE	8. 5
612	224	NE	9. 5
801	223	NE	9. 8
990	227	NE	10. 3
1, 170	229	NE	11. 0
1, 350	231	NE	11. 0

No. 550—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 530	235	NE	10. 5
1, 710	237	ENE	9. 6
1, 890	232	NE	8. 3
2, 070	226	NE	8. 0
2, 250	223	NE	8. 5

Disappearance: Lost in moonlight.

No. 551. June 1, 1934; 21h 05m. Clouds: Few St NNE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	221	NE	5. 4
216	206	NNE	7. 3
414	203	NNE	7. 3
612	209	NNE	7. 4
801	209	NNE	7. 2
990	208	NNE	7. 1
1, 170	206	NNE	7. 2
1, 350	204	NNE	6. 5
1, 530	208	NNE	6. 8
1, 710	202	NNE	8. 6
1, 890	199	NNE	10. 3
2, 070	203	NNE	10. 2
2, 250	208	NNE	10. 5
2, 430	210	NNE	11. 7
2, 610	211	NNE	12. 7
2, 790	216	NE	13. 5
2, 970	218	NE	15. 2
3, 150	216	NE	15. 8
3, 330	214	NE	16. 0
3, 510	214	NE	15. 1
3, 690	217	NE	14. 0

Disappearance: Cut off by St. NE to N wind has prevailed aloft since May 21.

No. 552. June 2, 1934; 9h 05m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	203	NNE	7. 6
216	179	N	11. 6
414	167	NNW	13. 0
612	165	NNW	13. 1
801	162	NNW	12. 1
990	157	NNW	11. 5
1, 170	153	NNW	12. 2
1, 350	152	NNW	12. 8
1, 530	149	NNW	12. 2
1, 710	139	NW	10. 5
1, 890	137	NW	10. 8
2, 070	146	NW	12. 3
2, 250	153	NNW	12. 8
2, 430	158	NNW	13. 0
2, 610	162	NNW	13. 3
2, 790	165	NNW	14. 8
2, 970	168	NNW	17. 4
3, 150	170	N	17. 5
3, 330	170	N	16. 5

Disappearance: Distance. About 2 Ci near end of observation. Direction N (?).

No. 553. June 2, 1934; 15h. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	269	E	3. 6
216	252	ENE	4. 5
414	215	NE	4. 5
612	210	NNE	5. 7
801	206	NNE	5. 8
990	194	NNE	5. 7
1, 170	194	NNE	6. 2
1, 350	202	NNE	7. 2
1, 530	210	NNE	7. 9
1, 710	213	NNE	9. 0
1, 890	211	NNE	9. 4
2, 070	209	NNE	9. 2
2, 250	205	NNE	9. 5
2, 430	199	NNE	10. 9
2, 610	192	NNE	12. 2
2, 790	197	NNE	13. 7
2, 970	193	NNE	14. 2
3, 150	195	NNE	15. 7
3, 330	198	NNE	18. 9
3, 510	196	NNE	19. 8
3, 690	193	NNE	19. 7
3, 870	194	NNE	20. 8
4, 050	196	NNE	22. 2

Disappearance: Distance.

No. 554. June 4, 1934; 16h 03m. Clouds: 10 St NNE. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	220	NE	7. 6
216	207	NNE	10. 4
414	204	NNE	12. 8

Disappearance: Entered St, 414 m.

No. 555. June 5, 1934; 9h 25m. Clouds: 5 St ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	294	ESE	5. 8
216	273	E	8. 1
414	250	ENE	9. 8
612	241	ENE	13. 0
801	231	NE	13. 8
990	225	NE	13. 1
1, 170	228	NE	9. 6
1, 350	242	ENE	6. 8
1, 530	247	ENE	6. 7

Disappearance: Entered St, 1,530 m. Apparently the wind aloft is shifting around thru East toward the S.

No. 556. June 5, 1934; 13h 16m. Clouds: 1 ASt (SE?). Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	330	SSE	1. 3
216	358	S	9. 9
414	357	S	11. 2
612	355	S	10. 0
801	345	SSE	10. 2

No. 556—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	333	SSE	11. 7
1, 170	325	SE	11. 5
1, 350	321	SE	10. 0
1, 530	306	SE	9. 7
1, 710	288	ESE	9. 3
1, 890	281	E	9. 4
2, 070	282	ESE	7. 5
2, 250	294	ESE	7. 4
2, 430	306	SE	8. 3
2, 610	312	SE	9. 3
2, 790	311	SE	10. 8
2, 970	309	SE	13. 1
3, 150	303	ESE	12. 6
3, 330	288	ESE	12. 3
3, 510	281	E	12. 8
3, 690	276	E	13. 5
3, 870	272	E	13. 5
4, 050	268	E	12. 5
4, 230	271	E	13. 2
4, 410	272	E	13. 3
4, 590	269	E	12. 8
4, 770	269	E	12. 4

Disappearance: Distance.

No. 557. June 5, 1934; 22h. Clouds: 0. Vis.: 7.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	293	ESE	4. 9
216	298	ESE	12. 0
414	297	ESE	15. 6
612	295	ESE	14. 6
801	293	ESE	11. 4
990	294	ESE	9. 4
1, 170	297	ESE	10. 0
1, 350	298	ESE	11. 2
1, 530	303	ESE	10. 8
1, 710	303	ESE	10. 6
1, 890	301	ESE	11. 0
2, 070	306	ESE	11. 0
2, 250	304	SE	12. 6
2, 430	304	SE	12. 8
2, 610	313	SE	10. 8
2, 790	320	SE	11. 2
2, 970	310	SE	11. 4
3, 150	298	ESE	10. 8

Disappearance: (?).

No. 558. June 6, 1934; 10h 08m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	18	SSW	4. 0
216	357	S	5. 0
414	340	SSE	4. 7
612	331	SSE	8. 0
801	328	SSE	10. 6
990	331	SSE	9. 6
1, 170	344	SSE	9. 5
1, 350	353	S	10. 2
1, 530	351	S	10. 7
1, 710	346	SSE	10. 7
1, 890	341	SSE	10. 0
2, 070	342	SSE	10. 8
2, 250	342	SSE	11. 4
2, 430	339	SSE	11. 0
2, 610	335	SSE	11. 1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 558—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,790	337	SSE	12.5
2,970	336	SSE	12.9
3,150	329	SSE	12.5
3,330	326	SE	12.4

Disappearance: Background SSE winds aloft; temp. falling rapidly.

No. 559. June 6, 1934; 15h 25m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	7.6
216	349	S	7.3
414	358	S	10.5
612	337	SSE	14.6
801	341	SSE	15.5
990	341	SSE	14.6
1,170	336	SSE	15.2
1,350	333	SSE	14.2
1,530	332	SSE	13.3
1,710	328	SSE	13.3
1,890	332	SSE	12.3
2,070	335	SSE	12.2
2,250	329	SSE	10.5
2,430	338	SSE	11.8
2,610	350	S	12.8
2,790	356	S	12.7
2,970	355	S	10.6
3,150	357	S	10.0
3,330	358	S	10.0
3,510	354	S	9.5
3,690	355	S	10.2
3,870	0	S	12.2
4,050	2	S	13.0
4,230	4	S	12.2

Disappearance: Distance.

No. 560. June 7, 1934: 8h 58m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	39	SW	3.6
216	358	S	12.2
414	359	S	16.0
612	2	S	14.0
801	1	S	11.7
990	356	S	11.1
1,170	349	S	9.2
1,350	349	S	7.5
1,530	351	S	7.2
1,710	357	S	6.8
1,890	22	SSW	6.3
2,070	43	SW	6.7
2,250	43	SW	7.3
2,430	40	SW	7.3
2,610	41	SW	6.5
2,790	44	SW	6.0
2,970	64	WSW	5.4
3,150	73	WSW	5.9
3,330	92	W	6.7
3,510	98	W	5.2
3,690	102	WNW	5.5
3,870	111	WNW	6.4
4,050	117	WNW	7.5
4,230	113	WNW	7.9
4,410	113	WNW	8.0
4,590	120	WNW	7.5

No. 560—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,770	126	NW	6.9
4,950	124	NW	7.6
5,130	120	WNW	8.2
5,310	103	WNW	7.6
5,490	100	W	6.8
5,670	109	WNW	6.7
5,850	113	WNW	6.8
6,030	127	NW	6.7
6,210	136	NW	5.7
6,390	130	NW	5.0
6,570	126	NW	5.8
6,750	125	NW	6.0

Disappearance: Distance. S wind up to 1890 m. then abruptly shifting to SW to 2,790 m. then gradually shifting to WNW above.

No. 561. June 7, 1934; 14h 33m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	3.1
216	339	SSE	5.1
414	331	SSE	5.4
612	327	SSE	4.6
801	321	SE	4.0
990	334	SSE	3.8
1,170	13	SSW	3.7
1,350	18	SSW	4.0
1,530	349	S	4.6
1,710	334	SSE	4.5
1,890	343	SSE	3.9
2,070	19	SSW	3.2
2,250	49	SW	2.2
2,430	139	NW	1.8
2,610	150	NNW	4.3
2,790	135	NW	5.0
2,970	113	WNW	4.5
3,150	109	WNW	4.5
3,330	115	WNW	4.7
3,510	120	WNW	4.8
3,690	125	NW	4.3
3,870	126	NW	4.8
4,050	137	NW	5.8
4,230	146	NW	6.0
4,410	150	NW	6.0
4,590	145	NW	5.8
4,770	130	NW	5.6
4,950	129	NW	4.8
5,130	144	NW	4.4
5,310	155	NNW	5.1
5,490	155	NNW	5.2
5,670	153	NNW	5.4
5,850	144	NW	6.8
6,030	138	NW	8.7
6,210	135	NW	9.5

Disappearance: Candle out.

No. 562. June 7, 1934; 20h 55m. Clouds: 0. Vis: 7.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	0	S	3.6
216	330	SSE	5.6
414	328	SSE	6.5
612	308	SE	7.9
801	293	ESE	8.3

No. 562—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	301	ESE	6.5
1,170	304	SE	6.6
1,350	286	ESE	6.3
1,530	260	E	4.4
1,710	237	ENE	4.1
1,890	214	NE	3.3
2,070	180	N	3.4
2,250	171	N	3.6
2,430	151	NNW	3.3
2,610	155	NNW	2.8
2,790	177	N	3.2
2,970	170	N	5.0
3,150	174	N	6.0
3,330	182	N	7.1
3,510	177	N	7.8
3,690	173	N	7.5
3,870	176	N	7.3
4,050	177	N	7.3
4,230	177	N	7.5
4,410	179	N	8.0
4,590	182	N	8.7
4,770	180	N	9.5
4,950	172	N	9.5
5,130	167	NNW	9.7
5,310	168	NNW	9.8
5,490	170	N	10.2
5,670	172	N	9.8
5,850	174	N	8.3
6,030	175	N	8.0

Disappearance: Candle out.

No. 563. June 8, 1934; 17 h 02m. Clouds: 0. Vis.: 5. Some snow falling; stars visible.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	287	ESE	8.9
216	274	E	10.4
414	256	ENE	9.9
612	249	ENE	10.0
801	243	ENE	9.5
990	242	ENE	8.9
1,170	243	ENE	8.0
1,350	243	ENE	7.5

Disappearance: Cut off by drift and snow.

No. 564. June 8, 1934; 21h 44m. Clouds: 10 St ENE. Vis.: 5. Snowing, few stars visible; apparently St Clouds very thin

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	284	ESE	7.2
216	269	E	9.5
414	257	ENE	8.3
612	257	ENE	8.2
801	246	ENE	8.4
990	238	ENE	8.8
1,170	238	ENE	8.8
1,350	240	ENE	8.9
1,530	240	ENE	8.5
1,710	239	ENE	8.6
1,890	237	ENE	8.9

Disappearance: Entered St, 1,890 m.

No. 565. June 10, 1934; 17h. Clouds: 10 St ENE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	264	E	7.6
216	251	ENE	13.7
414	243	ENE	14.7
612	249	ENE	10.9
801	252	ENE	10.0
990	249	ENE	10.7
1,170	247	ENE	11.8
1,350	247	ENE	13.1
1,530	248	ENE	14.6
1,710	249	ENE	15.5

Disappearance: Entered St, 1,710 m.

No. 566. June 11, 1934; 10h 55m. Clouds: 10 St.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	286	ESE	7.6
216	241	ENE	4.2
414	214	NE	4.0
612	211	NNE	3.6
801	225	NE	2.9
990	251	ENE	3.5
1,170	251	ENE	4.2
1,350	246	ENE	3.9
1,530	267	E	4.9
1,710	281	E	7.7
1,890	284	ESE	9.2
2,070	285	ESE	9.2
2,250	291	ESE	9.6
2,430	296	ESE	8.5

Disappearance: (?).

No. 567. June 11, 1934; 21h 40m. Clouds: 0. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	30	SSW	1.3
216	86	W	5.6
414	104	WNW	7.4
612	122	WNW	7.7
801	106	WNW	7.3
990	85	W	4.8
1,170	89	W	6.0
1,350	88	W	7.2
1,530	80	W	6.5
1,710	68	WSW	6.8
1,890	61	WSW	6.7
2,070	59	WSW	6.5
2,250	56	SW	6.9
2,430	55	SW	6.9
2,610	48	SW	7.0
2,970	38	SW	6.6
2,907	34	SW	6.0
3,150	45	SW	5.3
3,330	69	WSW	5.1
3,510	72	WSW	6.0
3,690	60	WSW	7.1
3,870	60	WSW	7.6
4,050	65	WSW	7.6
4,230	66	WSW	6.5
4,410	64	WSW	6.4
4,590	75	WSW	6.0
4,770	96	W	5.8
4,950	118	WNW	8.8
5,130	115	WNW	11.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 567—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,310	119	WNW	12.5
5,490	126	NW	14.1
5,670	127	NW	14.6

Disappearance: Local smoke. A decided change from easterly at 11h 55m to westerly tonight. Wind shifting toward N when balloon was lost. Bar. rising rapidly today.

No. 568. June 12, 1934; 9h 38m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	288	ESE	2.2
216	320	SE	6.7
414	320	SE	8.5
612	326	SE	6.2
801	325	SE	7.6
990	350	S	7.4
1,170	349	S	7.0
1,350	345	SSE	6.4
1,530	359	S	6.1
1,710	359	S	5.5
1,890	346	SSE	5.0
2,070	341	SSE	5.0
2,250	358	S	5.4
2,430	0	S	4.8
2,610	357	S	4.0
2,790	356	S	4.6
2,970	341	SSE	5.1
3,150	314	SE	4.4
3,330	305	SE	3.3
3,510	315	SE	2.2
3,690	26	SSW	1.5
3,870	33	SSW	2.5
4,050	33	SSW	2.3
4,230	68	WSW	3.0
4,410	90	W	4.0
4,590	103	WNW	5.3
4,770	119	WNW	7.0
4,950	129	NW	8.8
5,130	129	NW	10.8
5,310	135	NW	14.3
5,490	141	NW	17.6
5,670	141	NW	18.0
5,850	140	NW	18.0
6,030	143	NW	19.5
6,210	145	NW	22.5
6,390	148	NNW	26.4
6,570	147	NNW	29.1
6,750	145	NW	30.0

Disappearance: Distance.

No. 569. June 13, 1934; 16h 20m. Clouds: 10 ASt N

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	7.6
216	354	S	5.3
414	319	SE	6.2
612	322	SE	6.8
801	341	SSE	7.6
990	342	SSE	6.2
1,170	295	ESE	2.8

No. 569—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,350	238	ENE	0.8
1,530	232	NE	1.5
1,710	204	NNE	3.7
1,890	102	WNW	11.2
2,070	178	N	20.2
2,250	215	NE	16.2
2,430	183	N	9.0

Disappearance: Entered ASt, 2,430 m.

No. 570. June 15, 1934; 9h 31m. Clouds: 9 St ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	7.6
216	268	E	7.8
414	241	ENE	7.1
612	234	NE	7.3
801	245	ENE	6.9
990	260	E	7.5
1,170	262	E	8.6
1,350	255	ENE	9.3
1,530	251	ENE	0.5

Disappearance: Entered St, 1,530 m.

No. 571. June 15, 1934; 14h 30m. Clouds: Few St NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	241	ENE	4.9
216	247	ENE	7.2
414	230	NE	5.5
612	224	NE	4.5
801	228	NE	4.4
990	223	NE	4.2
1,170	233	NE	3.9
1,350	250	ENE	5.0
1,530	240	ENE	6.9
1,710	230	NE	7.9
1,890	239	ENE	8.6
2,070	245	ENE	8.4
2,250	245	ENE	8.2
2,430	240	ENE	9.3
2,670	240	ENE	9.5
2,790	252	ENE	10.1
2,970	261	E	9.9
3,150	262	E	10.5
3,330	256	ENE	12.2
3,510	253	ENE	13.1
3,690	250	ENE	13.5
3,870	251	ENE	13.0
4,050	257	ENE	13.8
4,230	258	ENE	14.0
4,410	261	E	13.2
4,590	259	E	13.0
4,770	256	ENE	13.2
4,950	261	E	13.9
5,130	264	E	13.5
5,310	264	E	13.0
5,490	264	E	13.0

Disappearance: Distance.

No. 572. June 15, 1934; 21h 35m. Clouds: 10 St ESE. Vis.: 6. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	254	ENE	2.7
216	224	NE	3.0
414	229	NE	3.7
612	210	NNE	3.8
801	182	N	3.6
990	179	N	3.0
1,170	191	N	1.6
1,350	222	NE	0.7
1,530	236	NE	2.1
1,710	256	ENE	4.4
1,890	276	E	5.5
2,070	288	ESE	5.6

Disappearance: Entered St, 2,070 m.

No. 573. June 16, 1934; 21h 35m. Clouds: 10 St N. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	180	N	7.6
216	182	N	10.2
414	185	N	12.1
612	183	N	12.5
801	175	N	13.5
990	172	N	14.8

Disappearance: Entered St, 990 m.

No. 574. June 17, 1934; 15h. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	296	ESE	4.9
216	297	ESE	9.5
414	296	ESE	7.0
612	308	SE	6.6
801	317	SE	8.3
990	314	SE	7.5
1,170	316	SE	6.0
1,350	315	SE	11.1
1,530	310	SE	10.4
1,710	308	SE	7.4
1,890	353	S	3.6
2,070	21	SSW	7.2
2,250	20	SSW	10.0
2,430	21	SSW	10.5
2,610	20	SSW	11.7
2,790	11	S	10.5
2,970	351	S	8.2
3,150	2	S	7.4
3,330	7	S	6.8
3,510	17	SSW	6.5
3,690	21	SSW	7.8
3,870	18	SSW	10.0
4,050	13	SSW	11.2
4,230	10	S	11.5
4,410	14	SSW	10.2
4,590	25	SSW	8.6
4,770	40	SW	8.5
4,950	40	SW	10.3
5,130	42	SW	10.5

No. 574—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,310	37	SW	11.2
5,490	22	SSW	11.0
5,670	12	SSW	13.1

Disappearance: Abandoned, balloon leaking.

No. 575. June 17, 1934; 22h 10m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	4	S	6.7
216	345	SSE	10.5
414	330	SSE	10.3
612	324	SE	9.6
801	333	SSE	7.0
990	351	S	8.0
1,170	352	S	11.0
1,350	350	S	11.7
1,530	347	SSE	11.1
1,710	339	SSE	10.3
1,890	331	SSE	8.3
2,070	316	SE	5.2
2,250	315	SE	4.2
2,430	339	SSE	5.6
2,610	356	S	6.6
2,790	6	S	7.2
2,970	8	S	8.2
3,150	11	S	9.0
3,330	18	SSW	8.7
3,510	33	SSW	8.0
3,690	43	SW	6.5
3,870	56	SW	7.2
4,050	57	WSW	8.5
4,230	57	WSW	7.5
4,410	50	SW	8.3
4,590	43	SW	7.2
4,770	36	SW	6.0
4,950	36	SW	6.0

Disappearance: Distance.

No. 576. June 18, 1934; 9h 18m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	15	SSW	4.5
216	354	S	10.1
414	341	SSE	8.0
612	349	S	8.6
801	351	S	9.2
990	344	SSE	9.1
1,170	335	SSE	9.3
1,350	333	SSE	10.2
1,530	332	SSE	12.0
1,710	331	SSE	13.4
1,890	328	SSE	13.0
2,070	320	SE	11.1
2,250	314	SE	10.0
2,430	312	SE	9.7
2,610	318	SE	9.7
2,790	326	SE	11.2
2,970	330	SSE	11.4
3,150	336	SSE	10.2
3,330	339	SSE	9.5
3,510	335	SSE	8.8
3,690	334	SSE	8.3

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 576—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,870	332	SSE	9.1
4,050	331	SSE	9.6
4,230	334	SSE	7.0
4,410	343	SSE	4.7
4,590	345	SSE	3.2
4,770	350	S	2.7
4,950	8	S	3.1
5,130	18	SSW	3.0

Disappearance: Distance.

No. 577. June 18, 1934; 14h 50m. Clouds: 0. Lt. fog. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	3.6
216	26	SSW	9.5
414	29	SSW	11.2
612	28	SSW	11.2

Disappearance: Fog.

No. 578. June 20, 1934; 21h 46m. Clouds: 10 St E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	1.8
216	297	ESE	7.7
414	288	ESE	11.4
612	285	ESE	10.2
801	285	ESE	9.9
990	284	ESE	8.8
1,170	283	ESE	6.3
1,350	270	E	5.0
1,530	272	E	5.5
1,710	255	ENE	5.4
1,890	280	E	4.5
2,070	280	E	5.0

Disappearance: Entered St, 2,070 m.

No. 579. June 21, 1934; 9h 25m. Clouds: 1 CiSt (NE?) Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	21	SSW	2.2
216	315	SE	4.5
414	312	SE	5.9
612	319	SE	4.4
801	302	ESE	3.8
990	292	ESE	4.5
1,170	293	ESE	5.0
1,350	293	ESE	4.7
1,530	293	ESE	4.1
1,710	295	ESE	5.3
1,890	290	ESE	6.9
2,070	285	ESE	7.0
2,250	281	E	7.0
2,430	275	E	7.0
2,610	268	E	7.2
2,790	250	ENE	6.9
2,970	230	NE	7.4
3,150	228	NE	8.4
3,330	228	NE	9.1

No. 579—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,510	231	NE	9.3
3,690	228	NE	8.6
3,870	223	NE	8.0

Disappearance: (?).

No. 580. June 21, 1934; 21h 26m. Clouds: 2 ACu (ENE?) Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm		Calm
216	33	SSW	1.5
414	48	SW	1.7
612	269	E	0.5
801	299	ESE	0.5
990	332	SSE	0.6
1,170	329	SSE	0.8
1,350	303	ESE	1.0
1,530	275	E	1.3
1,710	260	E	1.5
1,890	245	ENE	2.6
2,070	238	ENE	4.0
2,250	247	ENE	4.8
2,430	259	E	5.5
2,610	264	E	6.1
2,790	260	E	6.5
2,970	255	ENE	6.2
3,150	253	ENE	4.5
3,330	253	ENE	3.4
3,510	279	E	5.0
3,690	270	E	6.7
3,870	275	E	7.3
4,050	281	E	7.8
4,230	283	ESE	7.8
4,410	271	E	8.2
4,590	252	ENE	9.5
4,770	244	ENE	9.7
4,950	243	ENE	9.4

Disappearance: (?).

No. 581. June 22, 1934; 12h 30m. Clouds: 8 ACu ESE. Vis.: 8. Lunar Corona.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	256	ENE	1.8
216	283	ESE	1.5
414	99	W	2.5
612	99	W	3.6
801	102	WNW	3.5
990	150	NNW	2.2
1,170	164	NNW	1.2
1,350	167	NNW	1.3
1,530	195	NNE	0.8
1,710	202	NNE	2.0
1,890	211	NNE	4.3
2,070	225	NE	5.6
2,250	237	ENE	5.6
2,430	248	ENE	5.2
2,610	280	E	5.3
2,790	305	SE	5.1
2,970	305	SE	5.0
3,150	302	ESE	5.0

Disappearance: Entered ACu, 3,150 m.

No. 582. June 23, 1934; 15h. Clouds: 4 ASt E. Lunar Corona.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	341	SSE	1.3
216	356	S	6.7
414	325	SE	6.5
612	319	SE	7.8
801	320	SE	7.9
990	322	SE	6.1
1,170	321	SE	6.7
1,350	313	SE	7.0
1,530	303	ESE	8.8
1,710	296	ESE	9.3
1,890	287	ESE	7.0
2,070	287	ESE	6.5
2,250	282	ESE	6.5
2,430	278	E	8.5
2,610	274	E	10.4
2,790	269	E	9.6
2,970	274	E	8.5
3,150	275	E	9.8
3,330	275	E	12.0
3,510	273	E	13.0
3,690	269	E	13.0
3,870	266	E	13.0

Disappearance: (?).

No. 583. June 23, 1934; 22h 30m. Clouds: 6 CiSt. Lt. fog. Vis.: 2. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	26	SSW	7.6
216	5	S	13.2
414	359	S	15.3

Disappearance: Fog and drift.

No. 584. June 25, 1934; 15h 45m. Clouds: 10 ASt ENE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	283	ESE	7.6
216	250	ENE	12.8
414	242	ENE	12.9
612	236	NE	10.8
801	236	NE	10.5
990	238	ENE	11.8
1,170	239	ENE	12.5
1,350	242	ENE	12.8
1,530	247	ENE	12.7
1,710	248	ENE	13.0
1,890	243	ENE	13.8
2,070	244	ENE	11.7
2,250	250	ENE	9.7
2,430	251	ENE	9.6

Disappearance: Entered ASt, 2,430 m.

No. 585. June 25, 1934; 20h 03m. Clouds: 4 ASt ENE. Vis.: 4. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	8.9
216	264	E	11.0
414	245	ENE	12.1

No. 585—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	235	NE	12.7
801	235	NE	11.9
990	239	ENE	11.3
1,170	239	ENE	11.9

Disappearance: Drifting snow.

No. 586. June 26, 1934; 9h 30m. Clouds: 10 St ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	279	E	5.4
216	261	E	6.6
414	253	ENE	6.5

Disappearance: Entered St, 414 m.

No. 587. June 26, 1934; 20h 28m. Clouds: 8 ASt NE. Lunar Corona, 2 rings; also Lunar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	357	S	2.2
216	115	WNW	2.2
414	140	NW	2.7
612	123	WNW	2.5
801	103	WNW	2.5
990	40	SW	2.2
1,170	325	SE	1.0
1,350	289	ESE	0.5
1,530	308	SE	1.1
1,710	235	NE	1.2
1,890	207	NNE	1.5
2,070	238	ENE	2.5
2,250	231	NE	3.5
2,430	217	NE	4.2
2,610	226	NE	3.9
2,790	233	NE	4.5
2,970	228	NE	5.6
3,150	228	NE	6.2

Disappearance: Entered ASt, 3,150 m.

No. 588. June 27, 1934; 9h 15m. Clouds: 5 ASt E. Vis.: 7. Poorly defined corona

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	271	E	4.0
216	262	E	2.0
414	154	NNW	0.6
612	326	SE	1.9
801	329	SSE	3.0
990	316	SE	2.5
1,170	268	E	2.6
1,350	261	E	3.0
1,530	261	E	3.8
1,710	268	E	4.8
1,890	267	E	5.2
2,070	261	E	5.0
2,250	265	E	5.1
2,430	276	E	5.6
2,610	277	E	5.7

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 588—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,790	277	E	6.0
2,970	281	E	6.5
3,150	284	ESE	6.4
3,330	284	ESE	5.5
3,510	284	ESE	5.8
3,690	277	E	6.5
3,870	272	E	7.0
4,050	270	E	7.5
4,230	267	E	8.0

Disappearance: Entered ASt, 4,230 m.

No. 589. June 27, 1934: 15h 28m. Clouds: 4 ASt E. Lt. fog(?). Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	290	ESE	0.9
216	18	SSW	1.8
414	37	SW	1.5
612	10	S	2.8
801	353	S	3.5
990	353	S	4.3
1,170	343	SSE	5.1
1,350	327	SSE	5.9
1,530	312	SE	7.6
1,710	307	SE	9.0
1,890	301	ESE	9.5
2,070	293	ESE	10.0
2,250	290	ESE	10.3
2,430	287	ESE	10.2
2,610	289	ESE	10.5
2,790	293	ESE	11.3
2,970	287	ESE	11.6
3,150	279	E	11.7
3,330	280	E	11.5

Disappearance: Light fog (?).

No. 590. June 27, 1934; 21h 05m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	54	SW	3.1
216	31	SSW	7.3
414	30	SSW	7.7
612	23	SSW	6.4
801	9	S	4.9
990	350	S	5.1
1,170	338	SSE	7.3
1,350	336	SSE	8.5
1,530	333	SSE	6.8
1,710	335	SSE	7.5
1,890	332	SSE	9.3
2,070	322	SE	8.9
2,250	318	SE	8.6
2,430	312	SE	8.0
2,610	309	SE	7.1
2,790	318	SE	8.0
2,970	316	SE	9.0
3,150	316	SE	8.9
3,330	316	SE	9.1
3,510	317	SE	9.0
3,690	319	SE	8.5
3,870	316	SE	8.0
4,050	310	SE	8.2
4,230	309	SE	8.2
4,410	312	SE	7.5
4,590	318	SE	5.5

No. 590—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,770	333	SSE	3.3
4,950	351	S	4.1
5,130	355	S	5.5
5,310	357	S	4.2
5,490	357	S	3.4

Disappearance: Distance.

No. 591. June 28, 1934; 11h 02m. Clouds: 0. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	345	SSE	1.8
216	28	SSW	4.5
414	51	SW	7.2
612	57	WSW	10.6
801	61	WSW	13.2
990	60	WSW	13.2
1,170	56	SW	12.0
1,350	54	SW	11.7
1,530	52	SW	11.5
1,710	53	SW	10.6
1,890	56	SW	9.5
2,070	53	SW	9.3
2,250	50	SW	9.7
2,430	55	SW	10.0
2,610	55	SW	10.4
2,790	52	SW	10.5
2,970	53	SW	9.5
3,150	53	SW	9.6

Disappearance: Local smoke.

No. 592. June 28, 1934; 20h 12m. Clouds: Few Ci. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	119	WNW	1.8
216	51	SW	3.7
414	76	WSW	3.6
612	91	W	4.0
801	85	W	5.0
990	76	WSW	5.9
1,170	72	WSW	6.5
1,350	77	WSW	7.4
1,530	80	W	7.4
1,710	79	W	7.4
1,890	78	WSW	7.2
2,070	82	W	7.0
2,250	86	W	6.9
2,430	82	W	6.2
2,610	75	WSW	6.8
2,790	78	WSW	6.0
2,970	79	W	6.5
3,150	75	WSW	6.9
3,330	70	WSW	6.5
3,510	76	WSW	6.9
3,690	83	W	7.3
3,870	75	WSW	6.5
4,050	73	WSW	6.0
4,230	78	WSW	6.3
4,410	73	WSW	6.6
4,590	82	W	10.6
4,770	75	WSW	11.8
4,950	68	WSW	15.0
5,130	66	WSW	14.0
5,310	65	WSW	10.8

Disappearance: Local smoke.

No. 593. June 29, 1934; 9h 20m. Clouds: Few ASt SW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	336	SSE	1.8
216	5	S	6.0
414	19	SSW	8.0
612	28	SSW	8.9
801	38	SW	8.6
990	46	SW	8.5
1,170	43	SW	8.0
1,350	37	SW	7.0
1,530	35	SW	7.1
1,710	44	SW	8.6
1,890	45	SW	9.8
2,070	40	SW	10.1
2,250	39	SW	9.7
2,430	41	SW	8.6
2,610	51	SW	8.6
2,790	51	SW	8.7
2,970	46	SW	10.6
3,150	42	SW	9.7
3,330	42	SW	9.0
3,510	43	SW	8.6
3,690	43	SW	10.6
3,870	43	SW	10.5
4,050	46	SW	9.5
4,230	46	SW	10.0
4,410	47	SW	11.1
4,590	48	SW	12.2
4,770	50	SW	13.6
4,950	50	SW	14.4

Disappearance: Distance.

No. 594. June 29, 1934; 20h 26m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	59	WSW	7.6
216	41	SW	9.7
414	40	SW	9.8
612	39	SW	10.2
801	43	SW	10.4
990	31	SSW	12.5
1,170	31	SSW	13.5
1,350	31	SSW	12.0
1,530	38	SW	12.0
1,710	39	SW	14.3
1,890	31	SSW	14.2
2,070	31	SSW	12.6
2,250	40	SW	11.9
2,430	46	SW	12.8
2,610	46	SW	14.5
2,790	41	SW	15.3
2,970	42	SW	14.3
3,150	47	SW	14.1
3,330	49	SW	15.0

Disappearance: Distance.

No. 595. June 30, 1934; 9h 57m. Clouds: Few ASt SW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	4.9
216	19	SSW	12.8
414	16	SSW	16.3
612	19	SSW	18.5
801	22	SSW	17.8

No. 595—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	31	SSW	13.7
1,170	47	SW	12.7
1,350	47	SW	13.3
1,530	48	SW	12.5
1,710	54	SW	12.3
1,890	54	SW	12.2
2,070	50	SW	11.1
2,250	49	SW	11.3
2,430	59	WSW	10.0
2,610	70	WSW	9.5
2,790	72	WSW	9.0
2,970	71	WSW	9.6
3,150	64	WSW	9.8
3,330	71	WSW	10.3
3,510	86	W	10.0
3,690	92	W	10.4
3,870	90	W	11.3
4,050	99	W	10.2
4,230	104	WNW	9.2
4,410	98	W	9.0
4,590	95	W	10.0

Disappearance: Distance.

No. 596. June 30, 1934; 18h 25m. Clouds: 1 ASt S. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	46	SW	5.8
216	10	S	14.7
414	56	SW	19.4
612	9	S	21.4
801	12	SSW	21.6
990	15	SSW	20.1
1,170	12	SSW	19.7
1,350	10	S	19.0
1,530	11	S	18.6
1,710	7	S	16.3
1,890	1	S	14.1
2,070	359	S	13.5
2,250	359	S	11.8
2,430	356	S	10.2

Disappearance: Distance.

No. 597. July 1, 1934; 8h 29m. Clouds: 4 ASt. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	257	ENE	4.9
216	93	W	7.2
414	99	W	12.2
612	100	W	11.6

Disappearance: Cut off by local smoke.

No. 598. July 1, 1934; 9h 56m. Clouds: 10 St WNW. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	7.2
216	126	NW	5.0
414	105	WNW	7.0

Disappearance: Entered St., 414 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 599. July 1, 1934; 21h 37m. Clouds: 0. Lt. fog. Vis.: 5.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	316	SE	2. 2
216	50	SW	1. 4
414	60	WSW	1. 3
612	356	S	2. 0
801	356	S	2. 5
990	16	SSW	2. 2
1, 170	29	SSW	2. 5
1, 350	56	SW	2. 1
1, 530	82	W	2. 0
1, 710	82	W	3. 0
1, 890	70	WSW	5. 0
2, 070	58	WSW	5. 8
2, 250	57	WSW	6. 0
2, 430	55	SW	6. 5
2, 610	56	SW	7. 3
2, 790	60	WSW	7. 6

Disappearance: Fog.

No. 600. July 2, 1934; 9h 29m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	23	SSW	2. 2
216	355	S	2. 0
414	320	SE	3. 2
612	337	SSE	2. 7
801	355	S	2. 3
990	358	S	2. 6
1, 170	1	S	2. 3
1, 350	355	S	3. 0
1, 530	337	SSE	4. 0
1, 710	323	SE	4. 7
1, 890	315	SE	5. 7
2, 070	311	SE	5. 8
2, 250	308	SE	6. 2
2, 430	303	ESE	7. 2
2, 610	299	ESE	7. 2
2, 790	297	ESE	7. 0
2, 970	304	SE	6. 4
3, 150	313	SE	6. 0
3, 330	313	SE	5. 7
3, 510	305	SE	5. 5
3, 690	302	ESE	5. 5
3, 870	307	SE	5. 3
4, 050	324	SE	5. 5
4, 230	343	SSE	6. 0
4, 410	356	S	6. 5
4, 590	3	S	7. 8
4, 770	16	SSW	9. 2
4, 950	29	SSW	11. 7
5, 130	30	SSW	12. 5
5, 310	24	SSW	13. 2
5, 490	28	SSW	13. 5
5, 670	29	SSW	14. 6
5, 850	27	SSW	16. 5

Disappearance: Candle out(?).

No. 601. July 2, 1934; 18h 31m. Clouds: 0. Vis.: 6. Ice crystals falling. Visibility limited near surface

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	27	SSW	4. 0
216	14	SSW	7. 0
414	2	S	5. 0

No. 601—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
612	342	SSE	6. 2
801	341	SSE	10. 0
990	340	SSE	12. 2
1, 170	338	SSE	12. 5
1, 350	335	SSE	11. 5
1, 530	326	SE	10. 1
1, 710	321	SE	10. 0
1, 890	315	SE	9. 7
2, 070	314	SE	8. 5
2, 250	315	SE	8. 9
2, 430	314	SE	9. 7
2, 610	318	SE	8. 9
2, 790	323	SE	8. 5
2, 970	327	SSE	9. 1
3, 150	330	SSE	8. 5
3, 330	331	SSE	7. 7

Disappearance: Ice crystals in air.

No. 602. July 3, 1934; 10h. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	8	S	1. 8
216	3	S	1. 4
414	323	SE	3. 2
612	342	SSE	4. 7
801	341	SSE	5. 7
990	317	SE	5. 9
1, 170	320	SE	6. 1
1, 350	309	SE	4. 8
1, 530	306	SE	3. 7
1, 710	304	SE	3. 6
1, 890	299	ESE	3. 4
2, 070	300	ESE	4. 5
2, 250	302	ESE	4. 1
2, 430	299	ESE	3. 2
2, 610	296	ESE	2. 8
2, 790	309	SE	2. 3
2, 970	312	SE	3. 0
3, 150	300	ESE	3. 0
3, 330	290	ESE	3. 7
3, 510	287	ESE	4. 3
3, 690	286	ESE	2. 5
3, 870	287	ESE	1. 4
4, 050	216	NE	2. 0
4, 230	195	NNE	3. 3
4, 410	198	NNE	4. 0
4, 590	201	NNE	4. 8
4, 770	199	NNE	5. 3
4, 950	198	NNE	5. 5
5, 130	191	N	6. 3
5, 310	184	N	7. 6
5, 490	184	N	7. 7
5, 670	184	N	8. 4
5, 850	183	N	9. 2
6, 030	184	N	8. 1
6, 210	186	N	8. 0

Disappearance: Lost.

No. 603. July 3, 1934; 20h 45m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	294	ESE	2. 2
216	315	SE	3. 5
414	318	SE	3. 9
612	343	SSE	4. 2
801	316	SE	4. 2

No. 603—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
990	264	E	4. 4
1, 170	236	NE	5. 7
1, 350	229	NE	6. 0
1, 530	243	ENE	5. 4
1, 710	262	E	5. 2
1, 890	270	E	6. 0
2, 070	273	E	6. 3
2, 250	266	E	5. 5
2, 430	240	ENE	4. 2
2, 610	234	NE	4. 5
2, 790	243	ENE	5. 5
2, 970	226	NE	6. 0
3, 150	216	NE	6. 6
3, 330	217	NE	5. 8
3, 510	223	NE	4. 6
3, 690	211	NNE	5. 1
3, 870	205	NNE	5. 7
4, 050	215	NE	5. 4
4, 230	215	NE	5. 9
4, 410	205	NNE	6. 4
4, 590	205	NNE	5. 6
4, 770	204	NNE	5. 7
4, 950	207	NNE	6. 5
5, 130	218	NE	8. 8
5, 310	219	NE	8. 3
5, 490	219	NE	9. 0

Disappearance: (?).

No. 604. July 4, 1934; 9h 40m. Clouds: Few ASt E. Vis.: 6.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	21	SSW	2. 7
216	293	ESE	11. 8
414	275	E	11. 5
612	267	E	10. 5
801	263	E	10. 5
990	260	E	10. 3
1, 170	260	E	10. 6
1, 350	261	E	10. 8
1, 530	266	E	11. 8
1, 710	268	E	12. 5
1, 890	268	E	12. 0
2, 070	260	E	11. 9
2, 250	255	ENE	13. 5
2, 430	254	ENE	14. 8
2, 610	248	ENE	13. 5
2, 790	247	ENE	10. 5
2, 970	249	ENE	7. 6
3, 150	249	ENE	8. 7
3, 330	249	ENE	11. 7
3, 510	250	ENE	13. 2
3, 690	257	ENE	12. 5
3, 870	263	E	12. 4

Disappearance: Distance.

No. 605. July 4, 1934; 17h 40m. Clouds: 0. Vis.: 4. Moderate drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	285	ESE	7. 6
216	260	E	7. 4
414	241	ENE	6. 6
612	265	E	7. 0
801	285	ESE	6. 5
990	260	E	7. 0
1, 170	249	ENE	9. 8
1, 350	246	ENE	12. 3
1, 530	247	ENE	13. 0

Disappearance: Drifting snow.

No. 606. July 5, 1934; 19h. Clouds: 0. Vis.: 5. Ice crystals falling.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	252	ENE	3. 1
216	256	ENE	4. 3
414	223	NE	3. 1
612	236	NE	4. 3
801	257	ENE	5. 7
990	257	ENE	7. 0
1, 170	255	ENE	10. 0
1, 350	255	ENE	12. 0

Disappearance: Ice crystals in air.

No. 607. July 6, 1934; 10h 05m. Clouds: Few ASt. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	35	SW	4. 5
216	51	SW	7. 6
414	76	WSW	7. 8
612	83	W	8. 2
801	83	W	9. 0
990	79	W	8. 3
1, 170	75	WSW	7. 3
1, 350	75	WSW	7. 8
1, 530	68	WSW	8. 5
1, 710	58	WSW	8. 6
1, 890	52	SW	7. 3
2, 070	45	SW	5. 3
2, 250	32	SSW	5. 3
2, 430	20	SSW	6. 3
2, 610	10	S	5. 5
2, 790	4	S	4. 5
2, 970	9	S	3. 8
3, 150	17	SSW	4. 5
3, 330	16	SSW	4. 8
3, 510	354	S	4. 4
3, 690	333	SSE	4. 8
3, 870	320	SE	5. 6
4, 050	318	SE	6. 3
4, 230	318	SE	6. 9
4, 410	322	SE	7. 3
4, 590	329	SSE	7. 7
4, 770	331	SSE	8. 1

Disappearance: Lantern against light sky in N.

No. 608. July 6, 1934; 18h 50m. Clouds: 0. Vis.: 7. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	40	SW	3. 1
216	40	SW	8. 2
414	48	SW	7. 2
612	59	WSW	8. 5
801	66	WSW	8. 0
990	62	WSW	11. 6
1, 170	61	WSW	12. 6
1, 350	56	SW	9. 9
1, 530	48	SW	8. 2
1, 710	48	SW	7. 6
1, 890	47	SW	8. 2
2, 070	46	SW	8. 7
2, 250	46	SW	9. 1
2, 430	45	SW	10. 0
2, 610	43	SW	10. 4
2, 790	36	SW	9. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 608—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	30	SSW	7.9
3,150	27	SSW	6.5
3,330	32	SSW	6.7
3,510	32	SSW	7.0
3,690	33	SSW	7.7
3,870	33	SSW	8.1
4,050	33	SSW	10.0
4,230	35	SW	12.2
4,410	35	SW	12.0
4,590	29	SSW	12.1
4,770	30	SSW	12.5
4,950	33	SSW	12.8
5,130	31	SSW	10.8
5,310	34	SW	9.4
5,490	38	SW	10.0
5,670	39	SW	10.1
5,850	42	SW	9.6

Disappearance: Distance.

No. 609. July 7, 1934; 9h 50m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	82	W	4.0
216	42	SW	8.0
414	39	SW	10.5
612	48	SW	9.5
801	58	WSW	9.4
990	59	WSW	8.5
1,170	58	WSW	8.2
1,350	61	WSW	8.6
1,530	61	WSW	8.9
1,710	60	WSW	7.8
1,890	60	WSW	8.4
2,070	61	WSW	10.5
2,250	59	WSW	11.4
2,430	58	WSW	10.5
2,610	58	WSW	10.0
2,790	60	WSW	10.2
2,970	64	WSW	11.4
3,150	63	WSW	11.7
3,330	65	WSW	13.0
3,510	67	WSW	12.0
3,690	71	WSW	11.0
3,870	74	WSW	12.1
4,050	66	WSW	13.6
4,230	73	WSW	14.0
4,410	87	W	15.3
4,590	80	W	18.5
4,770	76	WSW	22.2

Disappearance: Distance.

No. 610. July 7, 1934; 22h. Clouds: 0. Vis.: 7. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	353	S	1.3
216	26	SSW	7.6
414	31	SSW	8.2
612	35	SW	7.9
801	38	SW	8.2
990	41	SW	7.8
1,170	46	SW	8.1
1,350	52	SW	9.0
1,530	50	SW	9.8
1,710	43	SW	11.0

No. 610—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,890	49	SW	11.3
2,070	34	SW	11.2
2,250	32	SSW	9.7
2,430	35	SW	8.1
2,610	40	SW	8.0
2,790	44	SW	8.6
2,970	52	SW	9.2
3,150	58	WSW	9.0
3,330	58	WSW	10.0
3,510	58	WSW	10.7
3,690	53	SW	11.6
3,870	55	SW	10.7
4,050	56	SW	9.8
4,230	55	SW	9.9
4,410	53	SW	10.5
4,590	49	SW	9.6
4,770	54	SW	10.0
4,950	60	WSW	10.9
5,130	59	WSW	10.5
5,310	56	SW	10.2
5,490	52	SW	11.0
5,670	53	SW	11.2
5,850	56	SW	10.2
6,030	59	WSW	10.5
6,210	60	WSW	11.6

Disappearance: Distance.

No. 611. July 8, 1934; 12h 10m. Clouds: Few CiST W or N.W. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	327	SSE	3.1
216	266	E	3.2
414	250	ENE	2.4
612	328	SSE	2.2
801	356	S	4.8
990	0	S	6.4
1,170	358	S	7.0
1,350	0	S	7.0
1,530	359	S	6.5
1,710	6	S	5.9
1,890	24	SSW	5.5
2,070	30	SSW	6.0
2,250	25	SSW	7.2
2,430	25	SSW	6.7
2,610	34	SW	6.5
2,790	38	SW	6.7
2,970	47	SW	5.6
3,150	71	WSW	5.5
3,330	79	W	6.5
3,510	78	WSW	7.5
3,690	76	WSW	8.0
3,870	82	W	8.2
4,050	89	W	9.5
4,230	90	W	11.5
4,410	87	W	13.4
4,590	83	W	14.8
4,770	83	W	15.9
4,950	85	W	16.7
5,130	85	W	17.3
5,310	86	W	18.5
5,490	85	W	22.5
5,670	85	W	23.6
5,850	86	W	23.7
6,030	88	W	24.8
6,210	88	W	25.0

Disappearance: Distance.

No. 612. July 9, 1934; 11h 44m. Clouds: 10 St ESE. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	27	SSW	4.0
216	302	ESE	10.1
414	286	ESE	12.5
612	285	ESE	9.5
801	291	ESE	8.6
990	299	ESE	7.8
1,107	302	ESE	9.3
1,350	301	ESE	11.1
1,530	301	ESE	10.4

Disappearance: Entered St, 1,530 m.

No. 613. July 10, 1934; 21h 05m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	56	SW	6.7
216	25	SSW	14.4
414	26	SSW	13.3
612	35	SW	11.1
801	43	SW	9.8
990	41	SW	9.3
1,170	33	SSW	8.0
1,350	44	SW	7.0
1,530	62	WSW	6.5
1,710	56	SW	6.7
1,890	48	SW	7.1
2,070	45	SW	7.7
2,250	46	SW	7.5
2,430	51	SW	6.9
2,610	54	SW	6.3
2,790	55	SW	6.2
2,970	55	SW	6.3
3,150	57	WSW	6.1
3,330	61	WSW	6.4
3,510	67	WSW	6.3
3,690	82	W	6.1
3,870	90	W	6.0
4,050	83	W	5.5
4,230	76	WSW	5.0
4,410	79	W	5.5
4,590	78	WSW	6.0
4,770	93	W	5.0
4,950	107	WNW	4.6
5,130	108	WNW	4.6
5,310	117	WNW	5.0
5,490	120	WNW	4.5
5,670	106	WNW	4.5
5,850	113	WNW	4.4
6,030	124	NW	3.8

Disappearance: Drifting snow and distance.

No. 614. July 11, 1934; 9h 34m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	51	SW	3.1
216	40	SW	7.7
414	58	WSW	9.5
612	67	WSW	11.9
801	70	WSW	12.8
990	76	WSW	12.1
1,170	85	W	10.3
1,350	91	W	9.5

No. 614—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,530	90	W	8.2
1,710	102	WNW	6.1
1,890	103	WNW	6.0
2,070	127	NW	6.0
2,250	101	W	6.0
2,430	103	WNW	6.0
2,610	98	W	6.3
2,790	95	W	8.2
2,970	94	W	9.6

Disappearance: Cut off by smoke.

No. 615. July 12, 1934; 10h 15m. Clouds: 0. Vis.: 3

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	29	SSW	3.6
216	6	S	14.8
414	1	S	19.5
612	4	S	21.2

Disappearance: Cut off by ground fog.

No. 616. July 12, 1934; 14h 20m. Clouds: 0. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	33	SSW	7.6
216	12	SSW	15.0
414	17	SSW	19.5
612	24	SSW	22.9
801	27	SSW	24.6
990	27	SSW	25.4

Disappearance: Cut off by drifting snow.

No. 617. July 12, 1934; 20h 35m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	34	SW	6.7
216	32	SSW	14.3
414	33	SSW	16.5
612	30	SSW	16.2
801	30	SSW	19.0
990	36	SW	22.0
1,170	40	SW	21.8
1,350	42	SW	19.2
1,530	44	SW	17.7
1,710	42	SW	17.0
1,890	36	SW	18.0
2,070	33	SSW	16.2
2,250	38	SW	14.0
2,430	36	SW	13.5
2,610	47	SW	13.3
2,790	44	SW	15.2
2,970	44	SW	16.0
3,150	46	SW	13.5
3,330	47	SW	14.8
3,510	47	SW	16.0
3,690	42	SW	16.2
3,870	48	SW	15.2
4,050	47	SW	16.2
4,230	45	SW	16.0
4,410	45	SW	15.2

Disappearance: Distance.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 618. July 13, 1934; 9h 45m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	33	SSW	2.2
216	14	SSW	12.6
414	11	S	15.0
612	9	S	14.0
801	13	SSW	10.5
990	28	SSW	8.3
1,170	42	SW	7.9
1,350	33	SSW	8.0
1,530	23	SSW	8.7
1,710	29	SSW	10.2
1,890	28	SSW	10.3
2,070	24	SSW	9.3
2,250	29	SSW	9.0
2,430	35	SW	8.8
2,610	42	SW	7.1
2,790	55	SW	7.0
2,970	58	WSW	7.9
3,150	55	SW	7.6
3,330	54	SW	6.0
3,510	60	WSW	5.1
3,690	73	WSW	5.0

Disappearance: Local smoke.

No. 619. July 13, 1934; 20h 55m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	3.1
216	308	SE	4.8
414	328	SSE	5.5
612	339	SSE	6.3
801	340	SSE	6.3
990	328	SSE	4.7
1,170	321	SE	2.3
1,350	1	S	1.6
1,530	102	WNW	1.7
1,710	149	NNW	1.7
1,890	162	NNW	2.8
2,070	171	N	3.7
2,250	163	NNW	4.3
2,430	148	NNW	4.3
2,610	130	NW	3.9
2,790	112	WNW	4.6
2,970	107	WNW	4.5
3,150	100	W	4.9
3,330	95	W	6.4
3,510	86	W	7.4
3,690	80	W	9.9
3,870	83	W	12.6
4,050	84	W	13.8
4,230	85	W	15.3
4,410	85	W	15.6
4,590	84	W	15.0
4,770	85	W	15.8
4,950	85	W	17.5
5,130	86	W	19.0
5,310	87	W	19.0
5,490	86	W	21.5
5,670	86	W	22.6
5,850	86	W	21.3
6,030	86	W	23.4
6,210	86	W	26.5

Disappearance: Distance.

No. 620. July 14, 1934; 8h 56m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	299	ESE	1.3
216	289	ESE	13.0
414	277	E	13.2
612	268	E	11.2
801	265	E	9.8
990	266	E	7.8
1,170	264	E	6.2
1,350	262	E	6.1
1,530	256	ENE	5.7
1,710	246	ENE	4.1
1,890	242	ENE	2.8
2,070	237	ENE	2.1
2,250	181	N	1.4
2,430	158	NNW	2.0
2,610	163	NNW	2.5
2,790	160	NNW	2.5

Disappearance: Obstruction.

No. 621. July 15, 1934; 10h 16m. Clouds: 10 St E. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	5	S	4.9
216	295	ESE	10.8
414	284	ESE	11.8
612	268	E	7.0
801	264	E	4.5

Disappearance: Entered St, 801 m.

No. 622. July 16, 1934; 9h 32m. Clouds: 0 (?). Vis.: 5. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	26	SSW	4.0
216	332	SSE	5.0
414	324	SE	6.2
612	323	SE	5.5
801	315	SE	4.9
990	313	SE	4.6
1,170	288	ESE	3.1
1,350	237	ENE	2.0
1,530	207	NNE	1.1
1,710	280	E	0.9
1,890	192	NNE	2.7
2,070	267	E	9.0
2,250	168	NNW	13.1
2,430	168	NNW	14.0
2,610	166	NNW	14.0

Disappearance: Cut off by falling ice crystals. Stars faintly visible.

No. 623. July 16, 1934; 21h 40m. Clouds: 0. Vis.: 6. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	30	SSW	4.5
216	24	SSW	5.2
414	51	SW	2.5
612	68	WSW	2.4

No. 623—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	76	WSW	2.3
990	95	W	2.0
1,170	121	WNW	2.7
1,350	140	NW	5.1
1,530	148	NNW	7.2
1,710	166	NNW	8.4
1,890	166	NNW	8.3
2,070	180	N	10.3
2,250	177	N	10.5
2,430	183	N	10.8
2,610	189	N	11.3
2,790	191	N	11.5
2,970	188	N	10.6
3,150	180	N	10.1
3,330	177	N	10.3
3,510	177	N	10.0

Disappearance: Cut off by falling ice crystals.

No. 624. July 17, 1934; 9h 20m. Clouds: Few Ci. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	66	WSW	1.3
216	112	WNW	6.0
414	97	W	7.9
612	89	W	7.2
801	94	W	5.2
990	106	WNW	4.3
1,170	133	NW	5.6
1,350	146	NW	7.9
1,530	150	NNW	10.1
1,710	149	NNW	10.6
1,890	152	NNW	10.4
2,070	156	NNW	11.3
2,250	162	NNW	12.2
2,430	168	NNW	13.0
2,610	171	N	12.0
2,790	173	N	11.8
2,970	173	N	12.3
3,150	172	N	12.8
3,330	167	NNW	12.7
3,510	166	NNW	13.0
3,690	176	N	13.1
3,870	183	N	13.1
4,050	184	N	13.3
4,230	182	N	12.8
4,410	184	N	13.0
4,590	187	N	13.4
4,770	187	N	13.4

Disappearance: Distance and smoke from galley.

No. 625. July 17, 1934; 14h 22m. Clouds: 3 CiSt (N?). Vis.: 7. Lt. drift very close to surface

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	268	E	4.0
216	235	NE	4.0
414	212	NNE	3.4
612	211	NNE	4.0
801	207	NNE	4.8
990	195	NNE	5.0
1,170	186	N	7.2

No. 625—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,350	183	N	10.3
1,530	180	N	11.0
1,710	179	N	11.9
1,890	180	N	13.5
2,070	182	N	14.4
2,250	184	N	13.2
2,430	184	N	12.6
2,610	178	N	14.3
2,790	177	N	13.8
2,970	181	N	12.4
3,150	189	N	13.6
3,330	189	N	14.6
3,510	186	N	15.0

Disappearance: Cut off by light drift.

No. 626. July 18, 1934; 9h 37m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	53	SW	4.0
216	51	SW	7.9
414	70	WSW	6.5
612	82	W	6.4
801	87	W	7.0
990	81	W	6.5
1,170	74	WSW	6.6
1,350	81	W	7.7
1,530	87	W	6.8
1,710	103	WNW	5.6
1,890	103	WNW	5.0
2,070	97	W	4.9
2,250	112	WNW	6.5
2,430	115	WNW	8.4
2,610	104	WNW	9.5
2,790	103	WNW	9.9
2,970	109	WNW	9.0
3,150	107	WNW	9.8
3,330	103	WNW	10.3
3,510	106	WNW	9.7
3,690	115	WNW	9.9
3,870	117	WNW	9.7
4,050	125	NW	9.5
4,230	128	NW	9.1
4,410	123	NW	9.5
4,590	125	NW	10.0
4,770	128	NW	9.6

Disappearance: Distance.

No. 627. July 18, 1934; 21h 51m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	49	SW	1.3
216	107	WNW	6.9
414	101	W	9.3
612	100	W	9.4
801	105	WNW	9.4
990	106	WNW	9.0
1,170	101	W	7.9
1,350	104	WNW	7.6
1,530	103	WNW	7.5
1,710	101	W	7.5
1,890	100	W	6.5
2,070	118	WNW	5.2
2,250	127	NW	4.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 627—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,430	121	WNW	2.8
2,610	133	NW	2.8
2,790	143	NW	3.6
2,970	164	NNW	4.3
3,150	174	N	4.9
3,330	182	N	4.8
3,510	175	N	6.0
3,690	172	N	8.4
3,870	174	N	9.6
4,050	174	N	9.3
4,230	166	NNW	8.3
4,410	162	NNW	9.3
4,590	168	NNW	10.0
4,770	173	N	10.4
4,950	170	N	11.0
5,130	165	NNW	11.3
5,310	161	NNW	12.0
5,490	156	NNW	11.6
5,670	154	NNW	10.9
5,850	158	NNW	11.6
6,030	157	NNW	11.2
6,210	152	NNW	10.8
6,390	151	NNW	12.2
6,570	151	NNW	13.6

Disappearance: Distance.

No. 628. July 19, 1934; 10h 02m. Clouds: 4 ASt (SSW?). Vis.: 7. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	180	N	5.4
216	172	N	6.7
414	165	NNW	5.1
612	150	NNW	3.7
801	99	W	3.8
990	81	W	6.3
1,170	81	W	7.5
1,350	78	WSW	6.8
1,530	78	WSW	4.4
1,710	81	W	3.3
1,890	75	WSW	4.3
2,070	79	W	4.6
2,250	53	SW	4.5
2,430	34	SW	4.9
2,610	21	SSW	5.0
2,790	14	SSW	4.4
2,970	23	SSW	3.4
3,150	25	SSW	3.3
3,330	27	SSW	2.8
3,510	30	SSW	2.5

Disappearance: Either cut off by snow or entered ASt, 3,510 m.

No. 629. July 19, 1934; 13h 35m. Clouds: 10 St NW. Lt. snow. Very thin St clds; Bright stars faintly visible

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	194	NNE	5.8
216	180	N	8.8
414	170	N	8.0
612	147	NNW	7.5
801	131	NW	3.9

Disappearance: Entered St, 801 m. Temperature has risen from −59.° last night to −24° F at present.

No. 630. July 20, 1934; 7h 35 m. Clouds: 10 St NW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	142	NW	1.8
216	122	WNW	8.5
414	128	NW	12.9
612	133	NW	14.7
801	135	NW	14.5

Disappearance: Entered St, 801 m.

No. 631. July 20, 1934; 11h 12m. Clouds: 1 St NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	99	W	1.3
216	130	NW	7.7
414	136	NW	11.5
612	128	NW	11.6
801	109	WNW	9.5
990	99	W	8.6
1,170	105	WNW	10.1
1,350	110	WNW	12.3
1,530	113	WNW	12.5
1,710	115	WNW	12.5
1,890	116	WNW	11.7
2,070	116	WNW	11.0
2,250	109	WNW	11.0
2,430	100	W	11.4
2,610	98	W	11.6
2,790	97	W	12.2
2,970	94	W	11.4

Disappearance: Distance. The weather cleared rapidly during forenoon. It clouded up again between 12h and 13h 30m. Lt. snow was falling at 14h.

No. 632. July 20, 1934; 19h 10m. Clouds: Few Ci. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	177	N	6.7
216	162	NNW	9.0
414	140	NW	8.2
612	125	NW	8.2
801	118	WNW	8.5
990	109	WNW	7.9
1,170	100	W	7.0
1,350	98	W	6.8
1,530	98	W	6.5
1,710	96	W	6.8
1,890	99	W	8.0
2,070	95	W	10.1
2,250	88	W	13.0
2,430	87	W	14.5

Disappearance: Cut off by hatch cover.

No. 633. July 21, 1934; 9h 45m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	46	SW	5.4
216	36	SW	12.0
414	36	SW	16.4
612	38	SW	13.5

No. 633—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	39	SW	12.7
990	49	SW	11.7
1,170	60	WSW	11.6
1,350	62	WSW	11.6
1,530	61	WSW	11.6
1,710	61	WSW	11.4
1,890	61	WSW	11.4

Disappearance: Local smoke.

No. 634. July 21, 1934; 22h 04m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	33	SSW	1.3
216	345	SSE	4.0
414	348	SSE	4.8
612	7	S	5.5
801	17	SSW	7.0
990	24	SSW	7.3
1,170	35	SW	6.8
1,350	47	SW	6.1
1,530	56	SW	6.7
1,710	58	WSW	6.6
1,890	59	WSW	7.1
2,070	62	WSW	7.8
2,250	69	WSW	8.0
2,430	78	WSW	8.0
2,610	82	W	10.2
2,790	83	W	13.2
2,970	90	W	17.3
3,150	91	W	20.5
3,330	87	W	21.7
3,510	87	W	22.8
3,690	87	W	23.4
3,870	88	W	22.7
4,050	89	W	22.0

Disappearance. Distance.

No. 635. July 22, 1934; 22h 40m. Clouds: 7 St SSE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	333	SSE	6.7
216	321	SE	9.1
414	312	SE	14.2
612	310	SE	4.4
801	317	SE	10.9
990	331	SSE	9.2
1,170	344	SSE	9.6
1,350	349	S	9.9
1,530	350	S	10.2
1,710	346	SSE	13.0
1,890	341	SSE	15.5

Disappearance: Entered St, 1,890 m.

No. 636. July 23, 1934; 10h 03m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	327	SSE	2.2
216	352	S	6.2
414	315	S	9.0
612	350	S	8.0
801	345	SSE	6.3
990	346	SSE	7.5

No. 636—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,170	4	S	8.3
1,350	26	SSW	8.2
1,530	31	SSW	9.0
1,710	34	SW	10.2
1,890	35	SW	11.1
2,070	3o	SW	13.7
2,250	34	SW	16.6
2,430	34	SW	15.5
2,610	34	SW	15.0
2,790	37	SW	14.2
2,970	43	SW	13.3

Disappearance: Lantern against light sky in N.

No. 637. July 23, 1934; 20h 10m. Clouds: 7ACu WNW. Vis.: 8. Lunar corona

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	338	SSE	1.3
216	292	ESE	8.1
414	301	ESE	7.4
612	311	SE	7.0
801	312	SE	7.5
990	314	SE	6.9
1,170	275	E	2.5
1,350	100	W	2.8
1,530	109	WNW	5.7
1,710	126	NW	7.7
1,890	137	NW	10.5
2,070	139	NW	12.3
2,250	133	NW	13.4
2,430	125	NW	14.6
2,610	119	WNW	14.3
2,790	120	WNW	14.6
2,970	116	WNW	16.3
3,150	109	WNW	17.4
3,330	108	WNW	17.7

Disappearance: Entered ACu, 3,330 m.

No. 638. July 25, 1934; 21h 40m. Clouds: 10 St ENE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	318	SE	6.7
216	279	E	7.5
414	249	ENE	7.5
612	240	ENE	8.7

Disappearance: Entered St, 612 m.

No. 639. July 26, 1934; 20h 07m. Clouds: 10 St NE. Vis.: 6. Snowing and lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	287	ESE	7.6
216	264	E	7.5
414	237	ENE	8.0
612	235	NE	9.0

Disappearance: Entered St, 612 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 640. July 27, 1934; 13h 50m. Clouds: 10 St N. Misting

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	334	SSE	0.9
216	169	N	1.5

Disappearance: Entered St, 216 m.

No. 641. July 28, 1934; 9h 40m. Clouds: Few St SSE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	27	SSW	3.6
216	346	SSE	6.2
414	336	SSE	7.0
612	325	SE	8.8
801	327	SSE	9.2
990	341	SSE	8.2
1,170	350	S	8.2
1,350	4	S	7.2
1,530	22	SSW	5.4
1,710	34	SW	4.2
1,890	35	SW	4.3
2,070	35	SW	5.1
2,250	31	SSW	4.9
2,430	24	SSW	5.5
2,610	16	SSW	6.1
2,790	19	SSW	6.1
2,970	32	SSW	5.4
3,150	43	SW	5.3
3,330	50	SW	6.1
3,510	57	WSW	6.5
3,690	62	WSW	5.6
3,870	66	WSW	5.0
4,050	66	WSW	5.4
4,230	62	WSW	6.0
4,410	56	SW	6.7
4,590	59	WSW	7.1
4,770	63	WSW	7.0

Disappearance: Background.

No. 642. July 29, 1934; 14h 20m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	41	SW	1.8
216	340	SSE	4.5
414	318	SE	7.6
612	326	SE	8.2
801	350	S	7.2
990	0	S	7.8
1,170	353	S	8.8
1,350	342	SSE	8.7
1,530	341	SSE	8.2
1,710	344	SSE	7.6
1,890	348	SSE	6.7
2,070	348	SSE	6.2
2,250	354	S	5.8
2,430	2	S	6.4
2,610	1	S	6.3
2,790	348	SSE	5.4
2,970	345	SSE	4.9
3,150	344	SSE	4.1
3,330	346	SSE	3.6
3,510	353	S	3.9
3,690	348	SSE	4.2
3,870	347	SSE	3.3
4,050	355	S	2.3
4,230	355	S	2.3

No. 642—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,410	354	S	2.0
4,590	3	S	2.1
4,770	7	S	3.2
4,950	2	S	3.3
5,130	3	S	2.6
5,310	351	S	2.7
5,490	351	S	2.8
5,670	356	S	2.2
5,850	5	S	2.0
6,030	15	SSW	2.0
6,210	15	SSW	2.5
6,390	8	S	3.2
6,570	0	S	2.8
6,750	358	S	2.4

Disappearance: Lantern against light sky in N.

No. 643. July 29, 1934; 22h. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	42	SW	3.1
216	354	S	2.5
414	336	SSE	3.2
612	347	SSE	4.6
801	348	SSE	4.9
990	346	SSE	5.0
1,170	338	SSE	4.7
1,350	325	SE	4.5
1,530	327	SSE	4.0
1,710	351	S	4.7
1,890	5	S	5.4
2,070	9	S	5.3
2,250	6	S	4.6
2,430	357	S	3.5
2,610	354	S	2.5
2,790	22	SSW	2.6
2,970	34	SW	3.2
3,150	17	SSW	2.2
3,330	0	S	1.7
3,510	7	S	1.2
3,690	7	S	1.0
3,870	6	S	1.1
4,050	4	S	1.5
4,230	6	S	2.0
4,410	14	SSW	2.1
4,590	27	SSW	1.6
4,770	38	SW	1.3
4,950	23	SSW	0.9
5,130	310	SE	1.0
5,310	283	ESE	1.4
5,490	306	SE	1.4
5,670	332	SSE	1.5

Disappearance: Candle out.

No. 644. July 30, 1934; 10h 35m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	51	SW	4.0
216	33	SSW	2.0
414	6	S	3.2
612	353	S	4.3
801	347	SSE	5.8
990	340	SSE	6.4
1,170	322	SE	5.1
1,350	297	ESE	3.1
1,530	308	SE	1.9

No. 644—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,710	357	S	1.8
1,890	10	S	1.5
2,070	15	SSW	1.5
2,250	61	WSW	1.7
2,430	84	W	2.2
2,610	103	WNW	2.3
2,790	132	NW	1.5
2,970	163	NNW	1.5
3,150	144	NW	2.5
3,330	140	NW	3.2
3,510	144	NW	3.1
3,690	156	NNW	2.9
3,870	172	N	2.7
4,050	177	N	2.5
4,230	182	N	2.5
4,410	180	N	2.3
4,590	175	N	2.1
4,770	168	NNW	1.8
4,950	170	N	2.2
5,130	171	N	2.5

Disappearance: Candle out out (?).

No. 645. July 30, 1934; 18h 35m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	53	SW	3.6
216	8	S	9.5
414	9	S	6.4
612	12	SSW	4.7
801	4	S	4.3
990	1	S	4.2
1,170	13	SSW	3.1
1,350	74	WSW	2.5
1,530	94	W	2.5
1,710	94	W	0.5
1,890	40	SW	0.7
2,070	326	SE	1.8
2,250	299	ESE	1.8
2,430	285	ESE	1.5
2,610	241	ENE	1.6
2,790	217	NE	2.1
2,970	207	NNE	2.7
3,150	206	NNE	3.5
3,330	198	NNE	4.0
3,510	194	NNE	3.9
3,690	194	NNE	3.5
3,870	194	NNE	4.0
4,050	193	NNE	4.0
4,230	194	NNE	3.5
4,410	193	NNE	3.7
4,590	190	N	4.0
4,770	190	N	3.7
4,950	190	N	3.5
5,130	192	NNE	3.5
5,310	196	NNE	3.8
5,490	198	NNE	4.4
5,670	194	NNE	4.3
5,850	188	N	4.5
6,030	183	N	4.4
6,210	182	N	5.1
6,390	184	N	7.0
6,570	189	N	8.3
6,750	194	NNE	9.3
6,930	198	NNE	10.0
7,110	198	NNE	10.8
7,290	200	NNE	12.4
7,470	197	NNE	14.8
7,650	195	NNE	13.5

No. 645—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,830	197	NNE	15.3
8,010	197	NNE	18.4
8,190	197	NNE	20.0
8,370	204	NNE	21.9
8,550	204	NNE	24.7
8,730	197	NNE	28.0
8,910	193	NNE	29.5
9,090	197	NNE	29.0

Disappearance: Distance.

No. 646. July 31, 1934; 9h 10m. Clouds: 1 ASt ENE, Few St N. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	300	ESE	1.3
216	20	SSW	4.4
414	31	SSW	7.2
612	29	SSW	7.7
801	35	SW	4.6
990	131	NW	1.0
1,170	199	NNE	3.1
1,350	179	N	4.4
1,530	169	N	4.7
1,710	190	N	3.1
1,890	197	NNE	3.9
2,070	212	NNE	3.3
2,250	288	ESE	4.0
2,430	284	ESE	4.8
2,610	287	ESE	4.7
2,790	288	ESE	3.8
2,970	282	ESE	3.3
3,150	273	E	4.2
3,330	265	E	4.7
3,510	262	E	4.3
3,690	268	E	4.4
3,870	267	E	4.4
4,050	255	ENE	3.2
4,230	245	ENE	2.8
4,410	250	ENE	2.6
4,590	257	ENE	2.3
4,770	253	ENE	2.3
4,950	251	ENE	2.5
5,130	244	ENE	2.8
5,310	231	NE	3.2
5,490	221	NE	3.4
5,670	208	NNE	3.3
5,850	210	NNE	3.1
6,030	215	NE	2.8
6,210	215	NE	2.8

Disappearance: Local smoke.

No. 647. July 31, 1934; 19h 59m. Clouds: 10 St E. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	6	S	2.7
216	310	SE	1.9
414	255	ENE	2.7
612	243	ENE	4.3
801	249	ENE	4.0
990	292	ESE	3.4
1,170	320	SE	3.4
1,350	305	SE	2.8
1,530	282	ESE	2.0
1,710	280	E	2.0

Disappearance: Entered St, 1,710 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 648. August 1, 1934; 8h 25 m. Clouds: 0. Lt. shallow fog. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	61	WSW	4. 5
216	15	SSW	12. 3
414	1	S	13. 0
612	356	S	11. 8
801	1	S	8. 5
990	357	S	9. 1
1, 170	347	SSE	10. 1
1, 350	345	SSE	10. 2
1, 530	342	SSE	8. 7
1, 710	337	SSE	7. 7

Disappearance: Lt. fog.

No. 649. Aug. 1, 1934; 18h 52m. Clouds: 0 Lt. shallow fog. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	60	WSW	3. 1
216	55	SW	5. 8
414	60	WSW	7. 8
612	68	WSW	8. 5
801	68	WSW	7. 4
990	65	WSW	6. 9
1, 170	61	WSW	6. 7
1, 350	62	WSW	6. 9
1, 530	71	WSW	7. 0
1, 710	84	W	6. 6
1, 890	82	W	6. 3
2, 070	76	WSW	5. 2
2, 250	70	WSW	3. 9
2, 430	73	WSW	3. 3
2, 610	89	W	2. 6
2, 790	122	WNW	2. 5
2, 970	148	NNW	2. 8
3, 150	164	NNW	2. 5
3, 330	181	N	2. 2
3, 510	225	NE	2. 5
3, 690	342	SSE	3. 9
3, 870	67	WSW	2. 9
4, 050	195	NNE	1. 5
4, 230	255	ENE	1. 8
4, 410	252	ENE	2. 5
4, 590	235	NE	2. 3
4, 770	195	NNE	1. 3
4, 950	178	N	1. 5
5, 130	155	NNW	1. 8
5, 310	186	N	3. 0
5, 490	211	NNE	4. 3
5, 670	217	NE	5. 5
5, 850	219	NE	6. 4
6, 030	223	NE	6. 6
6, 210	229	NE	6. 8
6, 390	235	NE	7. 0
5, 570	233	NE	6. 6
6, 750	223	NE	6. 2

Disappearance: Candle out.

No. 650. Aug. 2, 1934; 9h 40m. Clouds: Few CiSt, 8 ASt ENE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	256	ENE	5. 8
216	276	E	8. 3
414	253	ENE	4. 1
612	234	ENE	5. 4

No. 650—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	239	ENE	6. 7
990	249	ENE	6. 4
1, 170	258	ENE	5. 5
1, 350	259	E	5. 7
1, 530	258	ENE	5. 6
1, 710	265	E	5. 2
1, 890	275	E	5. 8
2, 070	272	E	6. 0
2, 250	250	ENE	7. 3
2, 430	239	ENE	9. 4
2, 610	243	ENE	9. 0
2, 790	249	ENE	8. 9
2, 970	248	ENE	9. 5
3, 150	242	ENE	10. 5
3, 330	238	ENE	11. 4

Disappearance: Entered ASt, 3,330 m.

No. 651. Aug. 3, 1934; 9h 25m. Clouds: 10 St E. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	346	SSE	2. 2
216	352	S	6. 4
414	323	SE	7. 0
612	310	SE	8. 0
801	291	ESE	7. 5
990	266	E	7. 6
1, 170	261	E	8. 8
1, 350	263	E	11. 0
1, 530	263	E	11. 5
1, 620	263	E	10. 5

Disappearance: Entered St, 1,620 m.

No. 652. Aug. 3, 1934; 16h 32m. Clouds: 0. Vis. 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SE	1. 3
216	343	SSE	3. 3
414	336	SSE	4. 1
612	334	SSE	5. 8
801	327	SSE	6. 7
990	307	SE	7. 0
1, 170	287	ESE	8. 5
1, 350	278	E	9. 7
1, 530	273	E	9. 5
1, 710	262	E	8. 8
1, 890	251	ENE	9. 2
2, 070	249	ENE	8. 5
2, 250	250	ENE	6. 7
2, 430	253	ENE	5. 5
2, 610	258	ENE	5. 8
2, 790	250	ENE	6. 7
2, 970	285	ESE	8. 9
3, 150	228	NE	10. 8
3, 330	224	NE	10. 3
3, 510	226	NE	8. 8
3, 690	239	ENE	7. 8
3, 870	250	ENE	8. 0
4, 050	246	ENE	8. 1
4, 230	239	ENE	7. 7
4, 410	244	ENE	7. 5
4, 590	250	ENE	7. 0
4, 770	242	ENE	6. 7
4, 950	237	ENE	6. 3
5, 130	248	ENE	6. 1

No. 652—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5, 310	252	ENE	7. 9
5, 490	247	ENE	8. 8
5, 670	244	ENE	8. 5
5, 850	240	ENE	10. 0
6, 030	236	NE	12. 0
6, 210	235	NE	13. 0

Disappearance: Distance.

No. 653. Aug. 4, 1934; 6h 15m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	30	SSW	0. 9
216	358	S	10. 2
414	354	S	12. 2
612	358	S	11. 4
801	2	S	10. 4
990	7	S	9. 7
1, 170	14	SSW	8. 4
1, 350	21	SSW	8. 1
1, 530	29	SSW	6. 5
1, 710	45	SW	3. 9
1, 890	35	SW	1. 9
2, 070	18	SSW	1. 5

Disappearance: Abandoned.

No. 654. Aug. 4, 1934; 18h 50m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	42	SW	1. 8
216	136	NW	2. 1
414	133	NW	4. 1
612	96	W	4. 0
801	81	W	5. 1
990	76	WSW	4. 7
1, 170	73	WSW	3. 0
1, 350	80	W	1. 8
1, 530	88	W	1. 2
1, 710	59	WSW	1. 5
1, 890	8	S	1. 5
2, 070	343	SSE	1. 7
2, 250	348	SSE	1. 6
2, 430	11	S	0. 9
2, 610	230	NE	0. 7
2, 790	194	NNE	0. 8
2, 970	207	NNE	1. 4
3, 150	246	ENE	2. 2
3, 330	295	ESE	3. 2
3, 510	308	SE	4. 8
3, 690	317	SE	5. 5
3, 870	329	SSE	5. 2
4, 050	333	SSE	5. 5
4, 230	318	SE	5. 9
4, 410	306	SE	6. 9
4, 590	305	SE	7. 7
4, 770	302	ESE	8. 2
4, 950	306	SE	7. 7
5, 130	322	SE	6. 6
5, 310	328	SSE	6. 5
5, 490	347	SSE	6. 6
5, 670	335	SSE	8. 0
5, 850	321	SE	8. 8
6, 030	330	SSE	10. 5
6, 210	328	SSE	14. 7
6, 390	328	SSE	16. 5
6, 570	332	SSE	16. 8
6, 750	331	SSE	19. 4

No. 654—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6, 930	323	SE	21. 5
7, 110	315	SE	23. 8
7, 290	314	SE	25. 4

Disappearance: Abandoned; Balloon leaking.

No. 655. Aug. 5, 1934; About 13h. Clouds: 8 ASt NNE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	284	ESE	7. 6
216	269	E	9. 6
414	253	ENE	9. 0
612	243	ENE	8. 5
801	233	NE	8. 5
990	223	NE	10. 3
1, 170	212	NNE	12. 4
1, 350	209	NNE	13. 2
1, 530	214	NE	13. 0
1, 710	221	NE	12. 7
1, 890	226	NE	12. 2
2, 070	226	NE	12. 9
2, 250	225	NE	13. 5
2, 430	222	NE	13. 2
2, 610	219	NE	13. 5
2, 790	216	NE	12. 8
2, 970	215	NE	13. 1
3, 150	212	NNE	13. 9
3, 330	211	NNE	14. 4

Disappearance: Entered ASt, 3,330 m.

No. 656. Aug. 6, 1934; 14h 40m. Clouds: 10 ASt SSE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	34	SW	5. 8
216	31	SSW	10. 0
414	34	SW	9. 5
612	32	SSW	8. 2
801	27	SSW	8. 7
990	26	SSW	8. 5
1, 170	21	SSW	7. 5
1, 350	26	SSW	6. 4
1, 530	27	SSW	7. 0
1, 710	20	SSW	8. 5
1, 890	15	SSW	8. 5
2, 070	11	S	8. 5
2, 250	10	S	9. 1
2, 430	13	SSW	9. 2
2, 610	9	S	9. 3
2, 790	353	S	9. 6
2, 970	345	SSE	9. 8
3, 150	347	SSE	10. 3
3, 330	350	S	11. 8
3, 510	351	S	12. 5
3, 690	355	S	12. 3
3, 870	349	S	13. 0
4, 050	347	SSE	12. 5
4, 230	348	SSE	12. 0

Disappearance: Entered ASt, 4,230 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 657. Aug. 6, 1934; 21h 15m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	358	S	1.3
216	6	S	2.8
414	10	S	4.5
612	12	SSW	5.1
801	29	SSW	4.8
990	28	SSW	6.3
1,170	24	SSW	7.0
1,350	22	SSW	7.0
1,530	17	SSW	6.7
1,710	8	S	6.8
1,890	1	S	6.9
2,070	351	S	6.8
2,250	345	SSE	6.3
2,430	341	SSE	5.2
2,610	347	SSE	4.7
2,790	359	S	5.2
2,970	5	S	7.3
3,150	8	S	9.5
3,330	7	S	10.9
3,510	4	S	12.3
3,690	1	S	12.6
3,870	359	S	12.4
4,050	359	S	12.2
4,230	2	S	13.5
4,410	3	S	14.5
4,590	2	S	16.2
4,770	0	S	17.5
4,950	357	S	17.5
5,130	354	S	16.5
5,310	359	S	17.1
5,490	5	S	18.0

Disappearance: Distance.

No. 658. Aug. 7, 1934; 9h 44m. Clouds: 5 ASt S. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	321	SE	1.8
216	330	SSE	4.5
414	310	SE	4.2
612	288	ESE	3.1
801	298	ESE	3.5
990	313	SE	4.4
1,170	327	SSE	4.5
1,350	333	SSE	4.4
1,530	341	SSE	4.4
1,710	332	SSE	4.1
1,890	339	SSE	3.5
2,070	359	S	3.1
2,250	1	S	3.4
2,430	359	S	4.6
2,610	0	S	5.4
2,790	2	S	5.5
2,970	5	S	5.2
3,150	8	S	5.0

Disappearance: Entered ASt, 3,150 m.

No. 659. Aug. 7, 1934; 18h 40m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	calm	--------	calm
216	46	SW	2.3
414	191	N	2.3

No. 659—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	186	N	3.2
801	180	N	3.0
990	176	N	2.4
1,170	165	NNW	1.6
1,350	138	NW	2.0
1,530	130	NW	2.9
1,710	131	NW	3.0
1,890	135	NW	2.3
2,070	143	NW	2.7
2,250	142	NW	3.5
2,430	142	NW	3.8
2,610	143	NW	3.6
2,790	129	NW	3.5
2,970	128	NW	3.5
3,150	128	NW	3.8
3,330	116	WNW	4.5
3,510	98	W	5.5
3,690	90	W	6.7
3,870	95	W	7.5
4,050	95	W	7.8
4,230	90	W	7.3
4,410	86	W	6.3
4,590	82	W	7.1
4,770	83	W	9.0
4,950	86	W	9.3
5,130	89	W	9.2
5,310	95	W	14.6
5,490	97	W	20.5
5,670	96	W	21.5
5,850	97	W	23.0
6,030	98	W	26.4
6,210	101	W	30.4
6,390	102	WNW	32.4
6,570	102	WNW	35.0
6,750	104	WNW	39.0
6,930	106	WNW	40.8

Disappearance: Distance.

No. 660. Aug. 8, 1934; 8h 55m. Clouds: 10 St NNW. Lt. fog

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	250	ENE	4.5
216	191	N	5.0
315	161	NNW	5.4

Disappearance: Entered St, 315 m.

No. 661. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	4.9
216	295	ESE	3.8
414	310	SE	4.4
612	304	SE	4.2
801	293	ESE	3.0
990	298	ESE	4.5

Disappearance: Entered St, 990 m.

No. 662. Aug. 9, 1934; 11h 37m. Clouds: 10 St NE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	319	SE	4.5
216	294	ESE	8.0
414	282	ESE	11.5
612	254	ENE	2.4
801	232	NE	2.2
990	228	NE	2.0

Disappearance: Entered St, 990 m.

No. 663. Aug. 9, 1934; 17h 35m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	335	SSE	3.1
216	304	SE	3.5
414	282	ESE	3.0
612	282	ESE	2.9
801	256	ENE	3.0
990	219	NE	4.2
1,170	205	NNE	4.5
1,350	207	NNE	5.0
1,530	209	NNE	6.8
1,710	206	NNE	8.0
1,890	204	NNE	8.8
2,070	200	NNE	9.3
2,250	193	NNE	8.0
2,430	196	NNE	6.7
2,610	200	NNE	6.7
2,790	197	NNE	6.0
2,970	198	NNE	4.8
3,150	210	NNE	4.0
3,330	221	NE	3.9
3,510	216	NE	4.0
3,690	204	NNE	4.7
3,870	203	NNE	5.2
4,050	207	NNE	5.2
4,230	207	NNE	5.5
4,410	205	NNE	6.2
4,590	205	NNE	6.6
4,770	205	NNE	6.5

Disappearance: Poor visibility aloft.

No. 664. Aug. 10, 1934; 9h 55m. Clouds: 10 ASt NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	0.9
216	288	ESE	9.2
414	289	ESE	9.9
612	284	ESE	5.2
801	248	ENE	2.7
990	195	NNE	3.0
1,170	203	NNE	3.7
1,350	243	ENE	3.9
1,530	258	ENE	5.5
1,710	253	ENE	7.3
1,890	252	ENE	9.0
2,070	251	ENE	9.8
2,250	245	ENE	8.8
2,430	235	NE	7.1
2,610	230	NE	6.4

No. 664—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. r.
2,790	231	NE	6.5
2,970	225	NE	7.4
3,150	218	NE	8.0

Disappearance: Entered ASt, 3,150 m.

No. 665. Aug. 10, 1934; 21h 22m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. r.
Surface	72	WSW	0.9
216	314	SE	7.2
414	306	SE	12.4
612	300	ESE	13.3
801	297	ESE	11.3
990	304	SE	8.9
1,170	314	SE	7.4
1,350	315	SE	7.5
1,530	304	SE	8.5
1,710	292	ESE	10.0
1,890	287	ESE	11.3
2,070	280	E	10.3
2,250	280	E	9.0
2,430	284	ESE	9.0
2,610	278	E	9.0
2,790	270	E	10.0
2,970	265	E	10.4
3,150	260	E	9.0
3,330	256	ENE	9.3
3,510	255	ENE	8.2
3,690	249	ENE	6.1
3,870	240	ENE	6.8
4,050	238	ENE	7.5
4,230	240	ENE	8.8
4,410	245	ENE	10.3
4,590	241	ENE	9.2
4,770	232	NE	7.7
4,950	227	NE	7.0
5,130	229	NE	7.2
5,310	227	NE	6.8
5,490	222	NE	6.0
5,670	222	NE	5.5
5,850	218	NE	5.5
6,030	201	NNE	5.3
6,210	184	N	5.1
6,390	176	N	5.2
6,570	183	N	5.2
6,750	187	N	5.7
6,930	179	N	6.2

Disappearance: Distance.

No. 666. Aug. 11, 1934; 14h 08m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. r.
Surface	53	SW	3.6
216	357	S	11.3
414	341	SSE	16.4
612	345	SSE	16.2
801	350	S	15.5
990	341	SSE	14.4
1,170	331	SSE	12.0
1,350	335	SSE	11.3
1,530	339	SSE	12.5

Disappearance: Poor visibility aloft.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 667. Aug. 11, 1934; 22h 06m. Clouds: 0. Vis.: 2. Heavy shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	23	SSW	3. 6
216	151	NNW	4. 0
414	279	E	4. 3

Disappearance: Shower of ice crystals.

No. 668. Aug. 12, 1934; 9h 16m. Clouds: 8 ASt SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	55	SW	2. 7
216	58	WSW	7. 6
414	75	WSW	9. 2
612	85	W	8. 4
801	65	WSW	6. 5
990	95	W	5. 3
1, 170	82	W	4. 1
1, 350	64	WSW	4. 5
1, 530	46	SW	5. 0
1, 710	29	SSW	3. 7
1, 890	20	SSW	2. 4
2, 070	345	SSE	2. 5
2, 250	344	SSE	3. 9
2, 430	330	SSE	6. 0
2, 610	324	SE	7. 6
2, 790	327	SSE	8. 2
2, 970	331	SSE	6. 8
3, 150	333	SSE	10. 5
3, 330	333	SSE	12. 1
3, 510	332	SSE	12. 5
3, 690	329	SSE	12. 9
3, 870	325	SE	13. 9
4, 050	324	SE	14. 5
4, 230	324	SE	13. 0
4, 410	317	SE	11. 7
4, 590	312	SE	12. 0
4, 770	310	SE	13. 0
4, 950	304	SE	13. 0
5, 130	304	SE	13. 0

Disappearance: Entered ASt, 5,130 m.

No. 669. Aug. 12, 1934; 21h 15m. Clouds: 0. Vis.: 8. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	38	SW	4. 9
216	17	SSW	11. 0
414	12	SSW	11. 4
612	3	S	10. 7
801	1	S	11. 4
990	12	SSW	11. 7
1, 170	19	SSW	10. 5
1, 350	8	S	9. 2
1, 530	357	S	9. 4
1, 710	355	S	12. 5
1, 890	355	S	14. 0
2, 070	354	S	15. 3
2, 250	354	S	15. 6
2, 430	351	S	15. 2
2, 610	346	SSE	14. 8

No. 669—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2, 790	345	SSE	14. 5
2, 970	344	SSE	14. 6
3, 150	347	SSE	14. 0
3, 330	352	S	15. 0
3, 510	352	S	14. 1
3, 690	354	S	12. 4

Disappearance: Distance.

No. 670. Aug. 13, 1934; 10h 35m. Clouds: (?). Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	51	SW	6. 7
216	29	SSW	14. 1
414	26	SSW	16. 5
612	30	SSW	15. 9
801	35	SW	16. 7
990	35	SW	17. 8
1, 170	33	SSW	16. 0
1, 350	34	SW	15. 0
1, 530	40	SW	15. 2
1, 710	39	SW	14. 9
1, 890	40	SW	15. 1
2, 070	42	SW	15. 5
2, 250	42	SW	16. 2
2, 430	42	SW	17. 0
2, 610	44	SW	17. 5
2, 790	45	SW	17. 8

Disappearance: (?).

No. 671. Aug. 13, 1934; 18h 40m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	77	WSW	3. 1
216	46	SW	12. 0
414	48	SW	15. 8
612	51	SW	18. 3
801	48	SW	21. 2
990	45	SW	24. 4
1, 170	45	SW	24. 5
1, 350	44	SW	25. 0
1, 530	45	SW	23. 5
1, 710	52	SW	19. 9
1, 890	57	WSW	19. 3
2, 070	55	SW	19. 0
2, 250	55	SW	16. 5
2, 430	61	WSW	14. 4
2, 610	70	WSW	13. 5
2, 790	72	WSW	12. 6
2, 970	70	WSW	12. 2
3, 150	68	WSW	11. 7
3, 330	69	WSW	12. 6
3, 510	75	WSW	13. 0
3, 690	90	W	10. 4
3, 870	94	W	9. 8
4, 050	87	W	11. 8
4, 230	85	W	10. 0
4, 410	82	W	9. 2
4, 590	82	W	12. 6
4, 770	82	W	10. 4
4, 950	84	W	9. 8
5, 130	88	W	11. 6

Disappearance: Distance.

No. 672. Aug. 14, 1934; 16h 53m. Clouds: 10 St WNW. Vis.: 6. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	86	W	5. 4
216	113	WNW	11. 8
414	119	WNW	14. 2
612	119	WNW	14. 0

Disappearance: Entered St, 612 m.

No. 673. Aug. 15, 1934; 12h 05m. Clouds: 9 ASt WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	244	ENE	3. 1
216	207	NNE	5. 3
414	200	NNE	6. 5
612	202	NNE	8. 1
801	202	NNE	8. 5
990	196	NNE	8. 6
1, 170	187	N	7. 4
1, 350	173	N	5. 6
1, 530	152	NNW	6. 3
1, 710	147	NNW	7. 2
1, 890	143	NW	7. 4
2, 070	137	NW	8. 2
2, 250	131	NW	7. 7
2, 430	127	NW	7. 5
2, 610	122	WNW	7. 3
2, 790	118	WNW	8. 9
2, 970	116	WNW	10. 1
3, 150	116	WNW	11. 5
3, 330	117	WNW	12. 8

Disappearance: Entered ASt, 3,330 m.

No. 674. Aug. 16, 1934; 21h 12m. Clouds: 10 St ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	50	SW	2. 7
216	281	E	4. 3
414	251	ENE	6. 0
612	242	ENE	6. 8

Disappearance: Entered St, 612 m. Water sky in north.

No. 675. Aug. 18, 1934; 19h. Clouds: Few ASt NW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	234	NE	6. 7
216	164	NNW	8. 6
414	138	NW	9. 6
612	124	NW	10. 0
801	116	WNW	9. 0
990	106	WNW	8. 2
1, 170	99	W	8. 9
1, 350	98	W	8. 8
1, 530	106	WNW	8. 2
1, 710	129	NW	9. 5
1, 890	145	NW	11. 1
2, 070	150	NNW	11. 5

No. 675—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2, 250	145	NW	11. 6
2, 430	147	NNW	11. 2
2, 610	153	NNW	10. 4
2, 790	149	NNW	10. 3
2, 970	143	NW	10. 4

Disappearance: Heavy shower of ice crystals.

No. 676. Aug. 20, 1934; 12h. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	2	S	0. 9
216	359	S	8. 5
414	348	SSE	9. 0
612	348	SSE	8. 1
801	355	S	8. 4
990	6	S	8. 6
1, 170	14	SSW	6. 4
1, 350	23	SSW	4. 2
1, 530	30	SSW	3. 9
1, 710	42	SW	3. 0
1, 890	56	SW	2. 5
2, 070	67	WSW	3. 2
2, 250	74	WSW	5. 0
2, 430	78	WSW	6. 2
2, 610	90	W	7. 5
2, 790	100	W	8. 4
2, 970	107	WNW	8. 7
3, 150	110	WNW	9. 5
3, 330	112	WNW	9. 5
3, 510	117	WNW	10. 3
3, 690	119	WNW	11. 0

Disappearance: Local smoke and frost on lens.

No. 677. Aug. 20, 1934; 19h 04m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	27	SSW	3. 6
216	2	S	10. 4
414	358	S	12. 4
612	1	S	12. 1
801	3	S	11. 2
990	3	S	9. 5
1, 170	5	S	7. 0
1, 350	16	SSW	6. 0
1, 530	21	SSW	5. 2
1, 710	21	SSW	4. 5

Disappearance: Abandoned; balloon leaking.

No. 678. Aug. 20, 1934; 21h 10m. Clouds: 0. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	26	SSW	2. 2
216	9	S	11. 5
414	9	S	12. 4
612	10	S	10. 9
801	10	S	8. 9
990	17	SSW	6. 7
1, 170	26	SSW	5. 2

TABLE 27.—*Results of pilot balloon acents at Little America*—Continued

No. 678—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 350	29	SSW	4. 3
1, 530	43	SW	4. 3
1, 710	55	SW	4. 5
1, 890	66	WSW	4. 1
2, 070	83	W	3. 6
2, 250	112	WNW	3. 9
2, 430	116	WNW	5. 3
2, 610	111	WNW	6. 0
2, 790	117	WNW	5. 7
2, 970	133	NW	5. 7
3, 150	136	NW	6. 9
3, 330	135	NW	7. 6
3, 510	139	NW	8. 0
3, 690	141	NW	8. 9
3, 870	144	NW	9. 3
4, 050	144	NW	10. 0
4, 230	146	NW	11. 7
4, 410	147	NNW	12. 5
4, 590	147	NNW	13. 9
4, 770	146	NW	14. 6
4, 950	147	NNW	14. 8
5, 130	149	NNW	14. 9
5, 310	149	NNW	15. 4
5, 490	147	NNW	17. 3
5, 670	146	NW	18. 0

Disappearance: Distance and ice crystals in air.

No. 679. Aug. 21, 1934; 11h 10m. Clouds: Few Ci NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	60	WSW	2. 2
216	36	SW	7. 7
414	38	SW	7. 6
612	40	SW	6. 6
801	46	SW	5. 9
990	46	SW	5. 0
1, 170	39	SW	5. 1
1, 350	35	SW	4. 8
1, 530	33	SSW	4. 2
1, 710	32	SSW	4. 1
1, 890	39	SW	4. 0
2, 070	42	SW	4. 1
2, 250	55	SW	3. 5
2, 430	83	W	3. 2
2, 610	92	W	3. 4
2, 790	95	W	3. 4
2, 970	97	W	3. 2
3, 150	103	WNW	3. 3
3, 330	103	WNW	3. 4

Disappearance: Frost on lens.

No. 680. Aug. 21, 1934; 20h 28m. Clouds: 0. Vis.: 8. Lt. shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	268	E	1. 3
216	75	WSW	6. 8
414	79	W	11. 5
612	74	WSW	11. 4
801	64	WSW	9. 3
990	67	WSW	7. 0
1, 170	81	W	6. 5
1, 350	72	WSW	7. 0
1, 530	63	WSW	7. 7
1, 710	70	WSW	8. 1

No. 680—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 890	66	WSW	8. 1
2, 070	64	WSW	8. 5
2, 250	75	WSW	7. 5
2, 430	75	WSW	8. 2
2, 610	74	WSW	7. 8
2, 790	77	WSW	7. 3
2, 970	78	WSW	7. 5
3, 150	79	W	7. 2
3, 330	86	W	6. 8
3, 510	87	W	7. 1
3, 690	88	W	6. 6
3, 870	93	W	5. 8
4, 050	103	WNW	5. 5
4, 230	112	WNW	5. 6
4, 410	106	WNW	5. 8
4, 590	99	W	6. 5
4, 770	97	W	7. 7
4, 950	90	W	8. 0
5, 130	87	W	7. 6

Disappearance: Distance, Ice crystals in air and local smoke.

No. 681. Aug. 24, 1934; 18h 50m. Clouds: 0. Vis.: 8. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	254	ENE	2. 7
216	311	SE	4. 7
414	1	S	4. 4
612	5	S	4. 2
801	6	S	3. 5
990	342	SSE	2. 7
1, 170	319	SE	3. 3
1, 350	314	SE	3. 4
1, 530	319	SE	3. 2
1, 710	329	SSE	4. 1
1, 890	322	SE	4. 8
2, 070	317	SE	4. 7
2, 250	322	SE	4. 8
2, 430	318	SE	5. 1
2, 610	305	SE	5. 3
2, 790	293	ESE	4. 8
2, 970	285	ESE	4. 2
3, 150	274	E	4. 4
3, 330	272	E	4. 5
3, 510	272	E	4. 7
3, 690	271	E	4. 8
3, 870	269	E	4. 8
4, 050	263	E	4. 7
4, 230	272	E	4. 1
4, 410	288	ESE	3. 8
4, 590	287	ESE	3. 8
4, 770	290	ESE	3. 8
4, 950	303	ESE	3. 5
5, 130	314	SE	3. 0
5, 310	321	SE	3. 2
5, 490	321	SE	3. 8
5, 670	319	SE	4. 2
5, 850	320	SE	4. 7
6, 030	320	SE	5. 1
6, 210	323	SE	4. 9
6, 390	322	SE	4. 8
6, 570	320	SE	5. 7
6, 750	323	SE	6. 6

Disappearance: Local smoke.

No. 682. Aug. 25, 1934; 11h 30m. Clouds: 8 ASt SSE. Vis. 6. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	14	SSW	1. 8
216	2	S	4. 7
414	338	SSE	5. 3
612	344	SSE	4. 9
801	356	S	4. 4
990	350	S	3. 2
1, 170	316	SE	2. 9
1, 350	322	SE	2. 8
1, 530	333	SSE	3. 7
1, 710	328	SSE	5. 2
1, 890	335	SSE	5. 8
2, 070	332	SSE	6. 5
2, 250	326	SE	7. 6
2, 430	328	SSE	8. 3
2, 610	331	SSE	9. 6
2, 790	332	SSE	10. 8
2, 970	333	SSE	11. 1
3, 150	332	SSE	13. 4
3, 330	330	SSE	15. 0

Disappearance: Entered ASt, 3,330 m.

No. 683. Aug. 25, 1934, 18h 08m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	6	S	1. 3
216	292	ESE	4. 7
414	301	ESE	4. 3
612	292	ESE	4. 0
801	277	E	5. 5
990	269	E	5. 5
1, 170	265	E	4. 6
1, 350	262	E	3. 9
1, 530	261	E	4. 7
1, 710	259	E	5. 2
1, 890	257	ENE	5. 3
2, 070	261	E	6. 0
2, 250	259	E	7. 0
2, 430	253	ENE	7. 8
2, 610	251	ENE	8. 4
2, 790	246	ENE	9. 9
2, 970	235	NE	12. 3
3, 150	230	NE	13. 3
3, 330	225	NE	13. 7
3, 510	219	NE	15. 0
3, 690	216	NE	17. 7
3, 870	212	NNE	18. 6
4, 050	211	NNE	20. 9
4, 230	212	NNE	20. 1
4, 410	213	NNE	17. 9
4, 590	212	NNE	17. 7
4, 770	215	NE	16. 1
4, 950	219	NE	14. 4
5, 130	224	NE	12. 6
5, 310	226	NE	12. 2

Disappearance: Distance.

No. 684. Aug. 26, 1934; 18h 35m. Clouds: 0. Vis.: 6. Ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	3	S	5. 4
216	12	SSW	9. 9
414	15	SSW	8. 6
612	17	SSW	5. 7

No. 684—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	9	S	4. 0
990	8	S	3. 5
1, 170	2	S	4. 2
1, 350	358	S	5. 7
1, 530	0	S	6. 7
1, 710	13	SSW	7. 4
1, 890	15	SSW	9. 5
2, 070	13	SSW	11. 0
2, 250	11	S	10. 6
2, 430	1	S	10. 4
2, 610	359	S	9. 9
2, 790	0	S	10. 0
2, 970	2	S	8. 6
3, 150	4	S	11. 1
3, 330	3	S	11. 5
3, 510	1	S	12. 0
3, 690	357	S	12. 0
3, 870	352	S	12. 5
4, 050	346	SSE	12. 7
4, 230	342	SSE	12. 4

Disappearance: Ice crystals in air. Visibility cut down by falling ice crystals.

No. 685. Aug. 27, 1934; 11h 16m. Clouds: Few St W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	0. 9
216	87	W	5. 8
414	95	W	7. 0
612	86	W	5. 5
801	84	W	4. 3
990	92	W	3. 7
1, 170	79	W	5. 0
1, 350	65	WSW	5. 7
1, 530	65	WSW	6. 3
1, 710	71	WSW	6. 9
1, 890	79	W	6. 5
2, 070	85	W	7. 0
2, 250	88	W	7. 5
2, 430	89	W	8. 0
2, 610	84	W	8. 8
2, 790	82	W	9. 3
2, 970	83	W	9. 4

Disappearance: Bursting.

No. 686. Aug. 28, 1934; 19h 15m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	258	ENE	6. 3
216	216	NE	11. 2
414	206	NNE	12. 0
612	201	NNE	13. 0
801	201	NNE	11. 4
990	212	NNE	8. 0
1, 170	231	NE	7. 5
1, 350	255	ENE	5. 9
1, 530	286	ESE	5. 5
1, 710	288	ESE	7. 6
1, 890	287	ESE	7. 0
2, 070	282	ESE	5. 6
2, 250	278	E	3. 7
2, 430	281	E	2. 0
2, 610	284	ESE	2. 2
2, 790	261	E	3. 4

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 686—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	239	ENE	5.1
3,150	234	NE	6.8
3,330	238	ENE	7.2
3,510	233	NE	4.7
3,690	214	NE	2.9
3,870	226	NE	1.8
4,050	29	SSW	1.5
4,230	35	SW	2.5
4,410	4	S	2.0
4,590	331	SSE	1.7
4,770	12	SSW	1.8
4,950	69	WSW	3.1
5,130	52	SW	5.0
5,310	45	SW	5.4
5,490	45	SW	5.8
5,670	49	SW	7.2
5,850	35	SW	6.0
6,030	26	SSW	3.5
6,210	54	SW	2.9
6,390	43	SW	2.5
6,570	43	SW	1.9
6,750	72	WSW	2.0
6,930	60	WSW	2.5
7,110	56	SW	2.6
7,290	61	WSW	3.8
7,470	49	SW	4.5
7,650	33	SSW	3.2
7,830	21	SSW	2.0

Disappearance: Candle out.

No. 687. Aug. 29, 1934; 10h 55m. Clouds: 8 ASt. Vis.: 8. Lt. shower of ice crystals falling.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	265	E	1.8
216	308	SE	5.3
414	339	SSE	5.7
612	346	SSE	6.1
801	326	SE	4.8
990	291	ESE	4.3
1,170	283	ESE	4.8
1,350	285	ESE	5.7
1,530	293	ESE	7.0
1,710	290	ESE	9.5
1,890	284	ESE	9.5
2,070	282	ESE	10.0

Disappearance: Local smoke.

No. 688. Aug. 29, 1934; 18h 05m. Clouds: 0. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	332	SSE	1.8
216	286	ESE	7.0
414	295	ESE	5.1
612	289	ESE	4.6
801	285	ESE	4.9
990	270	E	4.8
1,170	265	E	4.4
1,350	284	ESE	5.8
1,530	308	SE	9.0
1,710	314	SE	9.4
1,890	294	ESE	9.7

No. 688—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,070	289	ESE	11.5
2,250	284	ESE	11.8
2,430	290	ESE	12.4
2,610	298	ESE	12.3
2,790	299	ESE	11.8
2,970	296	ESE	11.9
3,150	294	ESE	11.5
3,330	295	ESE	8.8

Disappearance: Falling ice crystals.

No. 689. Aug. 30, 1934; 11h 05m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	341	SSE	0.9
216	353	S	6.1
414	350	S	6.7
612	338	SSE	7.3
801	340	SSE	7.2
990	350	S	8.2
1,170	358	S	7.4
1,350	2	S	5.7
1,530	356	S	5.4
1,710	355	S	5.5
1,890	358	S	5.9
2,070	357	S	5.5
2,250	341	SSE	4.9
2,430	324	SE	5.0
2,610	326	SE	4.3
2,790	323	SE	3.7
2,970	329	SSE	3.2
3,150	343	SSE	3.7
3,330	348	SSE	4.3
3,510	338	SSE	3.9
3,690	320	SE	2.4
3,870	292	ESE	1.5
4,050	249	ENE	1.1
4,230	61	WSW	1.0
4,410	349	S	0.8
4,590	267	E	0.3
4,770	168	NNW	0.7
4,950	80	W	2.7
5,130	59	WSW	3.7
5,310	48	SW	3.5
5,490	47	SW	3.0
5,670	54	SW	3.2
5,850	52	SW	4.6
6,030	42	SW	5.8
6,210	32	SSW	5.8
6,390	26	SSW	5.5
6,570	29	SSW	5.5
6,750	39	SW	6.9
6,930	43	SW	8.2
7,110	43	SW	7.5
7,290	53	SW	7.1
7,470	63	WSW	7.2
7,650	65	WSW	6.5
7,830	70	WSW	6.0
8,010	70	WSW	5.8
8,190	68	WSW	6.5
8,370	63	WSW	8.5
8,550	59	WSW	10.3
8,730	59	WSW	11.0

Disappearance: Bursting.

No. 690. Aug. 30, 1934; 20h 30m. Clouds: 0. Vis.: 7. Lt. shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	calm	--------	calm
216	352	S	4.0
414	350	S	6.6
612	346	SSE	8.5
801	344	SSE	10.3
990	342	SSE	9.3
1,170	344	SSE	10.0
1,350	350	S	11.2
1,530	0	S	9.2
1,710	320	SE	11.4
1,890	313	SE	9.7
2,070	64	WSW	10.0
2,250	40	SW	9.0
2,430	326	SE	3.4
2,610	325	SE	3.8
2,790	317	SE	4.0
2,970	310	SE	3.5
3,150	310	SE	2.5
3,330	312	SE	1.7
3,510	305	SE	1.2

Disappearance: Candle out.

No. 691. Aug. 31, 1934; 10h 32m. Clouds: 0. Lt. fog. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	2.2
216	8	S	7.1
414	356	S	6.2
612	356	S	8.0
801	3	S	8.3
990	8	S	8.2
1,170	11	S	8.9
1,350	11	S	9.6

Disappearance: Cut off by fog.

No. 692. Aug. 31, 1934; 20h 55m. Clouds: 0. Lt. fog

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	43	SW	5.4
216	26	SSW	12.7
414	19	SSW	12.9
612	6	S	11.0
801	358	S	8.7
990	12	SSW	7.4
1,170	14	SSW	7.6
1,350	349	S	6.1
1,530	335	SSE	4.3
1,710	332	SSE	3.9
1,890	317	SE	5.1
2,070	310	SE	6.7
2,250	292	ESE	7.3
2,430	268	E	6.8
2,610	240	ENE	5.8
2,790	230	NE	7.6
2,970	231	NE	10.2
3,150	220	NE	10.7
3,330	211	NNE	10.7

Disappearance: Cut off by fog.

No. 693. Sept. 1, 1934; 10h 18m. Clouds: 10 ASt ENE. Vis.: 6.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	48	SW	3.1
216	8	S	9.2
414	0	S	10.3
612	350	S	10.4
801	346	SSE	10.5
990	350	S	10.4
1,170	351	S	10.2
1,350	346	SSE	10.3
1,530	321	SE	6.4
1,710	293	ESE	5.0
1,890	301	ESE	5.8
2,070	285	ESE	5.3
2,250	266	E	6.5
2,430	258	ENE	8.6
2,610	255	ENE	9.5
2,790	254	ENE	11.7
2,970	251	ENE	12.3
3,150	246	ENE	11.7
3,330	242	ENE	12.5
3,510	242	ENE	12.6

Disappearance: Entered ASt. 3,510 m.

No. 694. Sept. 1, 1934; 18h 35m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	317	SE	4.0
216	354	S	9.1
414	357	S	12.9
612	347	SSE	15.3
801	342	SSE	13.2
990	340	SSE	11.1
1,170	338	SSE	9.6
1,350	331	SSE	7.2
1,530	313	SE	5.0
1,710	292	ESE	6.0
1,890	285	ESE	7.2
2,070	280	E	7.8
2,250	277	E	8.2
2,430	271	E	8.9
2,610	271	E	9.6
2,790	274	E	9.5
2,970	278	E	7.9
3,150	285	ESE	8.8
3,330	281	E	10.5
3,510	274	E	11.6
3,690	264	E	11.8
3,870	261	E	11.9
4,050	263	E	11.3
4,230	269	E	11.0
4,410	269	E	11.4
4,590	268	E	11.2
4,770	268	E	10.5
4,950	261	E	9.5
5,130	266	E	9.0
5,310	275	E	9.6

Disappearance: Distance.

No. 695. Sept. 2, 1934; 9h 58m. Clouds: 10 St. NNE. Vis.: 8. Light drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	216	NE	7.6
216	204	NNE	10.7
414	195	NNE	9.4
612	193	NNE	8.9

Disappearance: Entered St. 612 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 696. Sept. 2, 1934; 20h. Clouds: 0. Vis.: 7. Lt. drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	352	S	8. 0
216	336	SSE	10. 6
414	319	SE	14. 9
612	309	SE	14. 1
801	303	ESE	12. 1
990	306	SE	12. 5
1, 170	308	SE	11. 3
1, 350	305	SE	10. 1
1, 530	297	ESE	11. 7
1, 710	296	ESE	14. 9
1, 890	295	ESE	15. 9
2, 070	294	ESE	15. 7
2, 250	290	ESE	14. 2
2, 430	285	ESE	13. 2
2, 610	282	ESE	13. 7
2, 790	280	E	13. 2
2, 970	279	E	11. 9
3, 150	272	E	10. 5
3, 330	271	E	10. 5
3, 510	274	E	11. 2
3, 690	275	E	11. 8
3, 870	278	E	12. 0
4, 050	278	E	12. 0

Disappearance: Distance and drifting snow.

No. 697. Sept. 3, 1934; 9h 48m. Clouds: 4 Ci NE, Few StCu NE. Lt. shower of ice crystals falling.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	349	S	3. 6
216	309	SE	8. 0
414	276	E	9. 2
612	278	E	9. 5
801	255	ENE	14. 6
990	243	ENE	20. 5
1, 170	250	ENE	20. 7
1, 350	251	ENE	20. 0

Disappearance: (?).

No. 698. Sept. 3, 1934; 10h 03m. Clouds: 4 Ci NE, few StCu NE. Lt. shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	2	S	2. 2
216	300	ESE	9. 1
414	273	E	15. 9
612	255	ENE	14. 9
801	232	NE	12. 0
990	249	ENE	17. 8
1, 170	255	ENE	19. 0
1, 350	260	E	17. 0
1, 530	264	E	16. 4
1, 710	268	E	16. 5
1, 890	271	E	16. 6

Disappearance: (?).

No. 699. Sept. 3, 1934; 10h 22m. Clouds: 4 Ci NE, Few StCu NE. Vis.: 7. Haze around horizon

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	351	S	2. 2
216	290	ESE	8. 4
414	263	E	14. 5
612	256	ENE	17. 7
801	257	ENE	18. 6
990	257	ENE	19. 6
1, 170	255	ENE	20. 3
1, 350	252	ENE	18. 2
1, 530	252	ENE	14. 2
1, 710	255	ENE	12. 5

Disappearance: (?).

No. 700. Sept. 3, 1934: 20h 35m. Clouds: 0. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	7. 2
216	35	SW	17. 9
414	42	SW	20. 0
612	38	SW	15. 5
801	18	SSW	11. 0
990	5	S	9. 4
1, 170	356	S	7. 2
1, 350	349	S	8. 2
1, 530	359	S	9. 6
1, 710	346	SSE	10. 0
1, 890	346	SSE	9. 5
2, 070	350	S	8. 9
2, 250	356	S	8. 0
2, 430	5	S	7. 4
2, 610	17	SSW	8. 7
2, 790	23	SSW	8. 9
2, 970	35	SW	7. 7
3, 150	43	SW	9. 4
3, 330	46	SW	10. 5
3, 510	38	SW	9. 0
3, 690	12	SSW	7. 6
3, 870	3	S	8. 5
4, 050	8	S	8. 5
4, 230	17	SSW	8. 8
4, 410	25	SSW	8. 3
4, 590	50	SW	5. 3
4, 770	76	WSW	5. 0
4, 950	59	WSW	6. 2
5, 130	59	WSW	6. 7
5, 310	61	WSW	6. 6
5, 490	56	SW	7. 5
5, 670	56	SW	6. 5
5, 850	60	WSW	3. 0
6, 030	73	WSW	1. 0

Disappearance: Distance.

No. 701. Sept. 5, 1934; 18h 20m. Clouds: 10 ASt. Vis.: 6. ASt very thin

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	3. 1
216	350	S	6. 4
414	346	SSE	8. 5
612	349	S	9. 5
801	0	S	7. 3

No. 701—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	10	S	7. 5
1, 170	6	S	9. 0
1, 350	359	S	9. 5
1, 530	358	S	8. 5
1, 710	352	S	7. 5
1, 890	342	SSE	5. 7
2, 070	336	SSE	5. 5
2, 250	343	SSE	7. 6
2, 430	342	SSE	8. 8
2, 610	336	SSE	8. 6
2, 790	338	SSE	7. 6
2, 970	332	SSE	8. 0
3, 150	325	SE	6. 2
3, 330	335	SSE	4. 4
3, 510	345	SSE	5. 5
3, 690	338	SSE	6. 9
3, 870	328	SSE	6. 4
4, 050	302	ESE	6. 3
4, 230	283	ESE	8. 5
4, 410	271	E	10. 4
4, 590	270	E	11. 4
4, 770	266	E	11. 7

Disappearance: Cut off by thin ASt.

No. 702. Sept. 6, 1934; 13h 02m. Clouds: Few ASt, 2 St SW. Vis.: 8. St very thin.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	104	WNW	2. 2
216	50	SW	5. 7
414	52	SW	9. 2
612	49	SW	13. 1
801	46	SW	15. 3
990	44	SW	15. 9
1, 170	50	SW	14. 7
1, 350	57	WSW	13. 0
1, 530	64	WSW	10. 8
1, 710	74	WSW	8. 9
1, 890	80	W	8. 7
2, 070	88	W	9. 0
2, 250	104	WNW	8. 9
2, 430	117	WNW	8. 2
2, 610	122	WNW	7. 5

Disappearance: Cut off by very thin St.

No. 703. Sept. 6, 1934; 21h 19m. Clouds: 10 St WNW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	114	WNW	0. 9
216	92	W	10. 5
414	99	W	15. 3
612	101	W	18. 9
801	101	W	20. 0
990	101	W	20. 2
1, 170	102	WNW	18. 3
1, 350	103	WNW	16. 6
1, 530	104	WNW	17. 0

Disappearance: Cut off by St (?).

No. 704. Sept. 7, 1934; 10h 06m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	90	W	2. 7
216	43	SW	2. 7
414	30	SSW	11. 9
612	20	SSW	18. 6
801	23	SSW	22. 4
990	27	SSW	20. 0
1, 170	31	SSW	18. 4
1, 350	36	SW	18. 7
1, 530	38	SW	17. 2
1, 710	37	SW	12. 9
1, 890	35	SW	10. 8

Disappearance: Local smoke and local condensing vapor.

No. 705. Sept. 7, 1934; 10h 40m. Clouds: 0. Vis.: 8. Lt. shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	51	SW	4. 5
216	38	SW	8. 4
414	28	SSW	13. 0
612	22	SSW	19. 5
801	25	SSW	21. 3
990	30	SSW	18. 5
1, 170	33	SSW	16. 9
1, 350	35	SW	16. 4
1, 530	40	SW	15. 4
1, 710	41	SW	13. 7
1, 890	39	SW	12. 3

Disappearance: Local smoke and local condensing vapor.

No. 706. Sept. 7, 1934; 20h 45m. Clouds: 0. Vis.: 8. Lt. shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	0. 9
216	45	SW	8. 0
414	44	SW	10. 4
612	52	SW	11. 2
801	60	WSW	12. 4
990	65	WSW	13. 1
1, 170	68	WSW	11. 8
1, 350	71	WSW	10. 8
1, 530	75	WSW	11. 0
1, 710	81	W	10. 3
1, 890	93	W	10. 7
2, 070	95	W	11. 1
2, 250	92	W	10. 4
2, 430	88	W	10. 7
2, 610	78	WSW	10. 4
2, 790	74	WSW	11. 2
2, 970	79	W	11. 9
3, 150	76	WSW	12. 5
3, 330	70	WSW	12. 3
3, 510	68	WSW	10. 8
3, 690	66	WSW	10. 5
3, 870	65	WSW	10. 2
4, 050	68	WSW	10. 5
4, 230	72	WSW	9. 5
4, 410	73	WSW	9. 7
4, 590	70	WSW	11. 2
4, 770	69	WSW	10. 2

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 706—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4,950	72	WSW	9.5
5,130	78	WSW	9.5
5,310	80	W	10.3
5,490	79	W	12.0

Disappearance: Distance.

No. 707. Sept. 8, 1934; 10h 40m. Clouds: 7 ASt SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	106	WNW	0.9
216	63	WSW	8.2
414	64	WSW	12.2
612	53	SW	12.5
801	39	SW	12.3
990	30	SSW	12.5
1,179	30	SSW	11.7
1,350	41	SW	10.5
1,530	52	SW	10.1
1,710	50	SW	9.7
1,890	46	SW	10.1
2,070	46	SW	11.4
2,250	46	SW	12.0

Disappearance: Entered ASt, 2,250 m. Clouds formed rapidly during observation. Horizon hazy.

No. 708. Sept. 8, 1934; 19h 05m. Clouds: Few ASt W. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	357	S	0.9
216	117	WNW	8.5
414	115	WNW	11.2
612	97	W	12.0
801	87	W	10.4
990	81	W	8.1
1,170	77	WSW	9.6
1,350	77	WSW	12.2
1,530	78	WSW	12.6
1,710	73	WSW	11.6
1,890	69	WSW	11.2
2,070	76	WSW	14.2
2,250	85	W	13.9
2,430	85	W	11.2
2,610	84	W	12.5
2,790	85	W	13.3
2,970	83	W	15.0
3,150	80	W	13.0
3,330	85	W	10.2
3,510	82	W	10.5
3,690	81	W	10.4
3,870	78	WSW	9.3
4,050	80	W	9.0

Disappearance: Distance and local smoke.

No. 709. Sept. 10, 1934; 12h 58m. Clouds: 4 ASt WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	47	SW	4.5
216	39	SW	7.7
414	43	SW	6.0
612	52	SW	7.9
801	74	WSW	7.0

No. 709—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	90	W	6.3
1,170	92	W	6.0
1,350	102	WNW	5.8
1,530	112	WNW	5.5
1,710	118	WNW	6.5
1,890	122	WNW	7.3
2,070	118	WNW	6.7
2,250	122	WNW	5.6
2,430	130	NW	5.3
2,610	130	NW	5.0
2,790	129	NW	5.2
2,970	118	WNW	5.6
3,150	109	WNW	5.3
3,330	106	WNW	5.0
3,510	108	WNW	4.6
3,690	102	WNW	4.5
3,870	102	WNW	4.3
4,050	94	W	4.2

Disappearance: Background.

No. 710. Sept. 10, 1934; 21h 12m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	14	SSW	0.9
216	81	W	2.5
414	122	WNW	4.1
612	138	NW	4.5
801	150	NNW	4.9
990	150	NNW	5.5
1,170	147	NNW	6.3
1,350	146	NW	7.0
1,530	143	NW	6.7
1,710	147	NNW	6.9
1,890	157	NNW	6.5
2,070	174	N	5.2
2,250	185	N	4.6
2,430	180	N	4.7
2,610	178	N	5.5
2,790	195	NNE	5.9
2,970	195	NNE	5.5
3,150	195	NNE	5.5
3,330	192	NNE	5.3
3,510	192	NNE	5.4
3,690	195	NNE	5.9
3,870	190	N	5.5
4,050	194	NNE	5.3
4,230	191	N	5.5
4,410	184	N	5.1
4,590	171	N	5.5
4,770	163	NNW	5.5
4,950	152	NNW	5.0
5,130	142	NW	5.1
5,310	143	NW	5.4
5,490	137	NW	6.0
5,670	132	NW	6.9
5,850	125	NW	7.6
6,030	113	WNW	9.0
6,210	113	WNW	10.5
6,390	113	WNW	12.5
6,570	110	WNW	13.3
6,750	109	WNW	14.1
6,930	106	WNW	14.8
7,110	104	WNW	14.0
7,290	105	WNW	14.4
7,470	105	WNW	14.3
7,650	103	WNW	14.0

Disappearance: Distance. Very shallow southerly surface layer; northerly aloft.

No. 711. Sept. 11, 1934; 13h 02m. Clouds: 1 CiSt. Vis.: 8. Ice crystals falling.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SE	1.3
216	300	ESE	10.2
414	298	ESE	9.8
612	295	ESE	6.3
801	279	E	5.2
990	281	E	4.1
1,170	273	E	2.2
1,350	195	NNE	0.2
1,530	68	WSW	1.6
1,710	77	WSW	1.7
1,890	76	WSW	1.3
2,070	85	W	1.5
2,250	125	NW	2.1
2,430	133	NW	2.4
2,610	122	WNW	1.5
2,790	97	W	1.8
2,970	73	WSW	2.8
3,150	75	WSW	4.0
3,330	78	WSW	5.7
3,510	83	W	7.0
3,690	99	W	7.0
3,870	100	W	7.5
4 050	96	W	7.8
4,230	97	W	7.7
4,410	100	W	7.7
4,590	104	WNW	8.2
4,770	110	WNW	8.8
4,950	109	WNW	8.8
5,130	109	WNW	8.8
5,310	107	WNW	9.2
5,490	100	W	10.1
5,670	97	W	10.7

Disappearance: Background.

No. 712. Sept. 11, 1934; 22h 40m. Clouds: —

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	2.2
216	325	SE	6.3
414	313	SE	9.1
612	308	SE	11.0

Disappearance: Bursting.

No. 713. Sept. 12, 1934; 10h 15m. Clouds: 5 Ci NW. Vis.: 8. Lt. shower ice crystals.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	40	SW	3.1
216	320	SE	4.5
414	310	SE	6.5
612	319	SE	5.0
801	342	SSE	4.8
990	341	SSE	5.4
1,170	333	SSE	5.3
1,350	326	SE	4.2
1,530	320	SE	3.5
1,710	316	SE	3.4
1,890	314	SE	2.9
2,070	304	SE	2.7
2,250	307	SE	3.2
2,430	311	SE	3.8
2,610	303	ESE	3.0
2,790	283	ESE	1.0

No. 713—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	124	NW	.3
3,150	102	WNW	1.0
3,330	144	NW	3.0
3,510	147	NNW	4.6
3,690	130	NW	6.2
3,870	131	NW	8.0
4,050	135	NW	8.3
4,230	123	WNW	8.6
4,410	129	NW	8.5
4,590	125	NW	8.5
4,770	120	WNW	8.3
4,950	121	WNW	9.1
5,130	120	WNW	9.3
5,310	125	NW	8.7
5,490	129	NW	9.0
5,670	130	NW	9.6
5,850	130	NW	9.5
6,030	133	NW	10.2
6,210	133	NW	10.9
6,390	134	NW	10.8
6,570	133	NW	10.4
6,750	134	NW	10.6
6,930	137	NW	10.5
7,110	132	NW	10.4
7,230	128	NW	10.8
7,470	126	NW	10.3
7,650	126	NW	9.1
7,830	128	NW	10.0
8,010	131	NW	10.9
8,190	128	NW	11.0
8,370	129	NW	11.0

Disappearance: Entered Ci or cut off by local smoke, 8,370 m.

No. 714. Sept. 12, 1934; 19h 05m. Clouds: Few Ci NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	10	S	0.9
216	359	S	1.7
414	356	S	4.7
612	346	SSE	4.7
801	330	SSE	3.1
990	343	SSE	4.5
1,170	10	S	3.6
1,350	0	S	4.4
1,530	346	SSE	4.8
1,710	333	SSE	4.6
1,890	327	SSE	4.6
2,070	321	SE	4.0
2,250	315	SE	3.3
2,430	312	SE	3.3
2,610	310	SE	2.7
2,790	324	SE	1.8
2,970	337	SSE	1.5
3,150	141	NW	0.2
3,330	141	NW	1.8
3,510	151	NNW	2.8
3,690	135	NW	4.2
3,870	121	WNW	5.5
4,050	122	WNW	6.1
4,230	128	NW	4.9
4,410	138	NW	4.7
4,590	135	NW	5.2
4,770	132	NW	6.3
4,950	132	NW	7.0
5,130	128	NW	6.8
5,310	131	NW	6.5
5,490	132	NW	6.7

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
No. 714—Continued			
5,670	131	NW	7.0
5,850	136	NW	7.0
6,030	138	NW	7.1
6,210	139	NW	7.7
6,390	139	NW	8.2
6,570	140	NW	8.8
6,750	141	NW	9.0
6,930	142	NW	8.2
7,110	145	NW	6.9
7,290	144	NW	6.0
Disappearance: (?).			
No. 715. Sept. 13, 1934; 10h 31m. Clouds: 0. Vis.: 9			
urface	31	SSW	2.2
216	25	SSW	2.5
414	348	SSE	3.0
612	350	S	4.8
801	345	SSE	5.4
990	344	SSE	4.8
1,170	340	SSE	3.6
1,350	251	ENE	2.8
1,530	6	S	3.0
1,710	25	SSW	3.2
1,890	40	SW	3.4
2,070	41	SW	3.5
2,250	39	SW	3.8
2,430	45	SW	3.6
2,610	50	SW	3.3
2,790	52	SW	3.5
2,970	49	SW	3.7
3,150	37	SW	3.8
3,330	27	SSW	4.0
3,510	39	SW	3.1
3,690	65	WSW	2.9
3,870	69	WSW	3.8
4,050	80	W	4.2
4,230	111	WNW	4.5
4,410	140	NW	5.1
4,590	144	NW	5.7
4,770	133	NW	6.2
4,950	135	NW	6.9
5,130	139	NW	7.2
5,310	141	NW	6.8
5,490	141	NW	6.6
5,670	140	NW	7.2
5,850	137	NW	7.5
6,030	143	NW	8.0
6,210	136	NW	7.5
6,390	132	NW	6.6
6,570	138	NW	6.8
6,750	147	NNW	6.4
6,930	148	NNW	6.5
7,110	148	NNW	6.2
7,290	144	NW	6.1
7,470	148	NNW	5.6
7,650	152	NNW	5.0
7,830	149	NNW	4.7
8,010	151	NNW	5.1
8,190	151	NNW	5.3
8,370	143	NW	4.7
8,550	138	NW	4.5
8,730	139	NW	4.6
8,910	134	NW	5.2
9,090	131	NW	5.9
9,270	135	NW	6.9
9,450	130	NW	10.7
9,630	125	NW	14.4
No. 715—Continued			
9,810	124	NW	14.4
9,990	124	NW	14.5
10,170	128	NW	15.6
10,350	130	NW	16.5
10,530	130	NW	16.5
10,710	131	NW	17.5
10,890	134	NW	19.0
11,070	134	NW	20.5
11,250	132	NW	25.0
11,430	131	NW	29.2
Disappearance: Distance.			
No. 716. Sept. 13, 1934; 22h 28m. Clouds: 0. Vis.: 8			
Surface	37	SW	2.2
216	90	W	1.1
414	45	SW	0.6
612	8	S	1.7
801	1	S	1.8
990	353	S	1.6
1,170	357	S	1.4
1,350	6	S	1.4
1,530	22	SSW	1.6
1,710	25	SSW	1.3
1,890	32	SSW	1.0
2,070	79	W	0.5
2,250	134	NW	1.0
2,430	146	NW	2.0
2,610	139	NW	2.3
2,790	147	NNW	2.3
2,970	161	NNW	2.0
3,150	166	NNW	1.9
3,330	155	NNW	3.0
3,510	155	NNW	4.0
3,690	161	NNW	5.6
3,870	166	NNW	5.9
4,050	167	NNW	6.2
4,230	172	N	7.7
4,410	178	N	8.2
4,590	178	N	8.7
4,770	176	N	8.8
4,950	180	N	8.7
5,130	188	N	8.6
5,310	190	N	8.0
5,490	190	N	8.0
5,670	189	N	7.9
5,850	187	N	7.5
6,030	193	NNE	7.0
6,210	204	NNE	6.3
6,390	204	NNE	7.0
6,570	201	NNE	8.0
Disappearance: Lost among stars.			
No. 717. Sept. 14, 1934; 9h 20m. Clouds: 0. Vis.: 8			
Surface	54	SW	0.9
216	70	WSW	3.8
414	98	W	4.0
612	118	WNW	3.5
801	128	NW	3.0
990	133	NW	2.5
1,170	154	NNW	1.7
1,350	167	NNW	1.1
No. 717—Continued			
1,530	150	NNW	1.9
1,710	149	NNW	1.9
1,890	154	NNW	2.0
2,070	159	NNW	2.0
2,250	173	N	2.5
2,430	190	N	3.0
2,610	199	NNE	3.3
2,790	194	NNE	3.3
2,970	188	N	4.0
3,150	193	NNE	4.9
3,330	198	NNE	4.7
3,510	194	NNE	4.4
3,690	194	NNE	5.7
3,870	199	NNE	6.5
4,050	200	NNE	6.5
4,230	202	NNE	7.0
4,410	203	NNE	7.0
4,590	203	NNE	7.5
4,770	204	NNE	8.0
4,950	205	NNE	8.5
Disappearance: Local smoke.			
No. 718. Sept. 14, 1934; 14h 03m. Clouds: 2 ASt. Vis.: 8			
Surface	286	ESE	3.6
216	127	NW	2.2
414	162	NNW	4.1
612	157	NNW	4.8
801	164	NNW	4.8
990	167	NNW	4.1
1,170	174	N	3.0
1,350	191	N	2.5
1,530	190	N	2.4
1,710	187	N	2.6
1,890	188	N	2.9
2,070	181	N	2.9
2,250	176	N	2.5
2,430	180	N	2.3
2,610	189	N	2.9
2,790	194	NNE	3.6
2,970	193	NNE	4.0
3,150	195	NNE	4.6
3,330	200	NNE	5.7
3,510	201	NNE	6.6
3,690	205	NNE	7.1
3,870	213	NNE	6.6
4,050	220	NE	6.5
4,230	219	NE	7.8
4,410	215	NE	9.0
4,590	213	NNE	9.5
4,770	213	NNE	9.6
4,950	216	NE	9.1
5,130	218	NE	8.5
5,310	219	NE	8.7
5,490	215	NE	8.6
5,670	219	NE	8.4
5,850	231	NE	8.9
6,030	226	NE	7.8
6,210	227	NE	7.8
6,390	227	NE	7.4
6,570	228	NE	6.4
6,750	226	NE	5.9
6,930	225	NE	5.7
7,110	231	NE	5.7
7,290	243	ENE	5.9
7,470	242	ENE	5.5
7,650	246	ENE	5.4
7,830	241	ENE	5.4
No. 718—Continued			
8,010	231	NE	5.6
8,190	240	ENE	6.4
8,370	241	ENE	6.8
Disappearance: Distance.			
No. 719. Sept. 14, 1934; 20h 22m. Clouds: 0. Vis.: 8			
Surface	248	ENE	4.9
216	239	ENE	6.6
414	207	NNE	7.2
612	210	NNE	7.8
801	216	NE	7.0
990	218	NE	6.8
1,170	222	NE	6.9
1,350	226	NE	6.8
1,530	225	NE	6.7
1,710	231	NE	6.6
1,890	238	ENE	6.4
2,070	241	ENE	6.4
2,250	242	ENE	6.6
2,430	247	ENE	7.1
2,610	250	ENE	8.1
2,790	250	ENE	7.5
2,970	240	ENE	7.5
3,150	239	ENE	7.8
3,330	244	ENE	7.9
3,510	243	ENE	8.1
3,690	241	ENE	8.2
3,870	241	ENE	8.4
4,050	239	ENE	9.3
4,230	241	ENE	10.5
4,410	241	ENE	10.5
4,590	240	ENE	10.6
4,770	239	ENE	10.5
4,950	236	NE	11.0
5,130	234	NE	11.3
5,310	238	ENE	10.0
5,490	238	ENE	9.0
Disappearance: Distance.			
No. 720. Sept. 16, 1934; 10h 05m. Clouds: 4 Ci NNE, 2 CiSt NNE. Vis.: 8. 22° halo, parhelia			
Surface	274	E	6.7
216	277	E	8.9
414	273	E	5.7
612	266	E	4.1
801	249	ENE	3.7
990	245	ENE	2.6
1,170	262	E	2.2
1,350	257	ENE	2.0
1,530	202	NNE	2.7
1,710	171	N	3.1
1,890	142	NW	2.0
2,070	127	NW	2.0
2,250	116	WNW	2.9
2,430	104	WNW	3.2
2,610	94	W	1.6
2,790	83	W	0.8
2,970	148	NNW	1.9
3,150	138	NW	3.3
3,330	133	NW	2.8
3,510	139	NW	3.1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 720—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,690	136	NW	4.0
3,870	138	NW	4.2
4,050	137	NW	4.1
4,230	128	NW	3.9
4,410	112	WNW	3.7
4,590	111	WNW	2.8
4,770	129	NW	1.8
4,950	139	NW	1.7
5,130	241	ENE	1.8
5,310	236	NE	3.8
5,490	215	NE	4.3
5,670	196	NNE	3.7
5,850	171	N	3.5
6,030	172	N	4.0
6,210	177	N	4.3
6,390	178	N	4.6
6,570	176	N	3.8
6,750	136	NW	1.9
6,930	231	NE	3.5
7,110	223	NE	4.8
7,290	205	NNE	4.4
7,470	184	N	3.9
7,650	183	N	3.7
7,830	201	NNE	2.6
8,010	279	E	1.5
8,190	276	E	2.2
8,370	252	ENE	2.7
8,550	235	NE	3.4
8,730	225	NE	3.8
8,910	213	NNE	3.4
9,090	199	NNE	3.3
9,270	177	N	4.7
9,450	163	NNW	6.0
9,630	160	NNW	5.0
9,810	162	NNW	4.0
9,990	181	N	3.8
10,170	203	NNE	4.7
10,350	208	NNE	6.4
10,530	210	NNE	7.5
10,710	211	NNE	7.9
10,890	205	NNE	8.6
11,070	200	NNE	9.3
11,250	199	NNE	9.5
11,430	205	NNE	9.7
11,610	212	NNE	9.6

Disappearance: (?)

No. 721. Sept. 17, 1934; 12h 53m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	4.0
216	50	SW	5.4
414	42	SW	6.6
612	54	SW	7.0
801	61	WSW	5.7
990	56	SW	4.5
1,170	48	SW	3.9
1,350	61	WSW	3.1
1,530	75	WSW	1.9
1,710	18	SSW	0.9
1,890	354	S	1.0
2,070	18	SSW	1.0
2,250	18	SSW	1.0
2,430	256	ENE	1.2
2,610	253	ENE	1.7
2,790	244	ENE	1.0
2,970	225	NE	1.1
3,150	215	NE	0.6
3,330	319	SE	0.6
3,510	325	SE	1.8

No. 721—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,690	328	SSE	2.0
3,870	305	SE	1.7
4,050	289	ESE	2.3
4,230	293	ESE	3.7
4,410	304	SE	4.2
4,590	305	SE	4.5
4,770	294	ESE	4.6
4,950	278	E	3.9
5,130	263	E	3.5
5,310	274	E	4.2
5,490	266	E	4.2
5,670	240	ENE	3.5
5,850	223	NE	2.6
6,030	217	NE	2.1
6,210	209	NNE	2.3
6,390	198	NNE	3.0
6,570	187	N	3.4
6,750	186	N	3.5
6,930	190	N	4.0
7,110	178	N	4.3
7,290	162	NNW	4.4
7,470	161	NNW	3.7
7,650	160	NNW	4.2
7,830	163	NNW	4.9
8,010	171	N	4.7
8,190	175	N	5.3
8,370	174	N	5.9
8,550	172	N	6.5
8,730	174	N	6.8
8,910	173	N	7.4
9,090	169	N	8.0
9,270	169	N	7.8
9,450	165	NNW	7.6
9,630	158	NNW	7.9
9,810	171	N	7.7
9,990	180	N	7.7
10,170	171	N	8.4
10,350	169	N	9.4
10,530	175	N	11.5
10,710	185	N	12.4
10,890	192	NNE	11.6
11,070	193	NNE	11.4
11,250	190	N	10.7
11,430	188	N	11.6
11,610	194	NNE	12.0
11,790	202	NNE	11.4
11,970	201	NNE	13.8
12,150	201	NNE	15.4
12,330	206	NNE	14.3
12,510	208	NNE	14.7
12,690	217	NE	16.1
12,870	237	ENE	17.2
13,050	241	ENE	18.3
13,230	233	NE	17.4
13,410	228	NE	16.3
13,590	233	NE	16.8
13,770	249	ENE	17.0
13,950	257	ENE	17.0

Disappearance: Bursting (?). This is the highest altitude reached this year.

No. 722. Sept. 17, 1934; 20h 45m. Clouds: Few ASt. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	331	SSE	1.3
216	112	WNW	7.8
414	109	WNW	7.2
612	116	WNW	8.9
801	120	WNW	10.3

No. 722—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	120	WNW	6.6
1,170	122	WNW	6.3
1,350	126	NW	4.7
1,530	114	WNW	3.3
1,710	83	W	2.5
1,890	75	WSW	3.0
2,070	70	WSW	2.7
2,250	78	WSW	2.3
2,430	75	WSW	2.3
2,610	74	WSW	1.8
2,790	104	WNW	2.1
2,970	120	WNW	2.6

Disappearance: Lost.

No. 723. Sept. 18, 1934; 8h 27m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	3.1
216	133	NW	2.3
414	132	NW	3.5
612	86	W	3.8
801	33	SSW	4.1
990	25	SSW	3.9
1,170	45	SW	2.3
1,350	106	WNW	0.8
1,530	73	WSW	0.7
1,710	72	WSW	2.1
1,890	83	W	2.6
2,070	108	WNW	1.9
2,250	133	NW	1.6
2,430	141	NW	1.2
2,610	145	NW	0.9
2,790	156	NNW	0.9
2,970	145	NW	2.1
3,150	130	NW	3.8
3,330	134	NW	4.2
3,510	155	NNW	4.6
3,690	160	NNW	5.9
3,870	158	NNW	7.0
4,050	163	NNW	7.4
4,230	168	NNW	8.6
4,410	168	NNW	9.6
4,590	169	N	9.4
4,770	170	N	10.0
4,950	172	N	10.4
5,130	176	N	10.8
5,310	176	N	11.7
5,490	176	N	11.8
5,670	178	N	11.8
5,850	179	N	11.7
6,030	187	N	10.2
6,210	195	NNE	9.1

Disappearance: Abandoned on account of work schedule.

No. 724. Sept. 18, 1934; 20h 32m. Clouds: 10 StCu NW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	262	E	5.4
216	196	NNE	5.2
414	162	NNW	4.5
612	137	NW	4.7
801	132	NW	4.1
990	133	NW	6.4

Disappearance: Entered StCu, 990 m.

No. 725. Sept. 22, 1934; 8h 25m. Clouds: Few CiSt (SE?). Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	Calm		Calm
216	4	S	7.0
414	359	S	11.3
612	355	S	10.3
801	346	SSE	8.5
990	343	SSE	7.4
1,170	335	SSE	7.1
1,350	327	SSE	7.2
1,530	331	SSE	6.7
1,710	337	SSE	6.5
1,890	339	SSE	6.4
2,070	341	SSE	5.3
2,250	343	SSE	4.5
2,430	340	SSE	4.3
2,610	343	SSE	4.8
2,790	347	SSE	5.0
2,970	344	SSE	4.8
3,150	329	SSE	5.4
3,330	324	SE	6.5
3,510	327	SSE	5.8
3,690	327	SSE	4.1
3,870	325	SE	2.9
4,050	318	SE	2.7
4,230	325	SE	3.0
4,410	326	SE	3.8
4,590	324	SE	3.6
4,770	326	SE	3.5
4,950	324	SE	4.4
5,130	322	SE	5.0
5,310	325	SE	4.7
5,490	326	SE	5.2
5,670	327	SSE	5.2
5,850	329	SSE	5.7
6,030	327	SSE	6.6
6,210	324	SE	6.9
6,390	314	SE	7.5
6,570	309	SE	8.0
6,750	307	SE	8.2
6,930	305	SE	8.2
7,110	304	SE	8.5
7,290	304	SE	8.2
7,470	306	SE	7.4
7,650	306	SE	7.4
7,830	303	ESE	6.9
8,010	308	SE	6.4
8,190	311	SE	6.7
8,370	311	SE	6.2
8,550	313	SE	6.4
8,730	315	SE	6.4
8,910	314	SE	6.4
9,090	312	SE	6.6
9,270	315	SE	6.8
9,450	311	SE	6.0
9,630	306	SE	4.8
9,810	321	SE	4.5
9,990	325	SE	4.4

Disappearance: Bursting.

No. 726. Sept. 23, 1934; 14h 05m. Clouds: 10 ASt N. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	59	WSW	5.4
216	66	WSW	1.8
414	104	WNW	1.3
612	171	N	2.9
801	180	N	5.2

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 726—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	172	N	5. 3
1, 170	160	NNW	4. 1
1, 350	166	NNW	2. 9
1, 530	188	N	3. 4
1, 710	197	NNE	3. 7
1, 890	200	NNE	3. 5
2, 070	205	NNE	2. 9
2, 250	196	NNE	2. 2
2, 430	172	N	1. 9

Disappearance: Entered ASt, 2,430 m.

No. 727. Sept. 23, 1934; 20h 15m. Clouds: Few CiSt N. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	180	N	3. 6
216	38	SW	2. 6
414	21	SSW	2. 0
612	5	S	1. 9
801	0	S	1. 3
990	249	ENE	1. 3
1, 170	229	NE	1. 8
1, 350	211	NNE	1. 6
1, 530	194	NNE	1. 0
1, 710	8	S	1. 8
1, 890	13	SSW	1. 8
2, 070	36	SW	1. 7
2, 250	58	WSW	1. 4
2, 430	83	W	0. 7
2, 610	76	WSW	0. 7
2, 790	76	WSW	1. 0
2, 970	109	WNW	0. 7
3, 150	189	N	0. 9
3, 330	202	NNE	1. 3
3, 510	219	NE	1. 8
3, 690	213	NNE	2. 5
3, 870	207	NNE	2. 8
4, 050	197	NNE	2. 8
4, 230	184	N	3. 6
4, 410	191	N	5. 1
4, 590	191	N	6. 3
4, 770	191	N	7. 4
4, 950	194	NNE	8. 4
5, 130	191	N	8. 3
5, 310	186	N	7. 6
5, 490	181	N	6. 5
5, 670	179	N	5. 5
5, 850	174	N	5. 5
6, 030	173	N	5. 9
6, 210	182	N	6. 0
6, 390	190	N	6. 0

Disappearance: (?).

No. 728. Sept. 24, 1934; 14h 35m. Clouds: 10 St SSE. Vis.: 7. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	43	SW	3. 1
216	29	SSW	6. 1
414	9	S	4. 6
612	348	SSE	3. 0
801	347	SSE	2. 8
990	359	S	3. 0
1, 170	3	S	4. 0

No. 728—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 350	359	S	4. 8
1, 530	347	SSE	5. 3
1, 710	339	SSE	5. 2

Disappearance: Entered St, 1,710 m.

No. 729. Sept. 26, 1934; 11h 30m. Clouds: 8 ACu ESE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	5. 4
216	18	SSW	10. 9
414	4	S	11. 0
612	359	S	10. 7
801	353	S	8. 6
990	346	SSE	6. 4
1, 170	355	S	6. 0
1, 350	349	S	7. 7
1, 530	334	SSE	6. 4
1, 710	318	SE	8. 7
1, 890	311	SE	9. 2
2, 070	309	SE	9. 4
2, 250	305	SE	10. 4
2, 430	304	SE	11. 6
2, 610	303	ESE	11. 5
2, 790	296	ESE	11. 5
2, 970	289	ESE	12. 1

Disappearance: Entered ACu, 2,970 m.

No. 730. Sept. 26, 1934; 20h 35m. Clouds: 0. Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	50	SW	6. 7
216	18	SSW	12. 2
414	14	SSW	12. 3
612	18	SSW	10. 7
801	22	SSW	9. 5
990	23	SSW	8. 7
1, 170	21	SSW	8. 0
1, 350	13	SSW	7. 7
1, 530	14	SSW	8. 8
1, 710	25	SSW	10. 9
1, 890	27	SSW	11. 2
2, 070	22	SSW	9. 6
2, 250	18	SSW	9. 0

Disappearance: Drifting snow.

No. 731. Sept. 27, 1934; 8h 23m. Clouds: 10 St SSW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	69	WSW	6. 3
216	25	SSW	7. 6

Disappearance: Entered St, 216 m. Low thin St clouds formed over entire sky very rapidly just as balloon observation was started.

No. 732. Sept. 27, 1934; 10h 59m. Clouds: Few CiSt, Few St SSW. Vis.: 7. Lt. shower of ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	51	SW	4. 5
216	6	S	8. 0
414	335	SSE	9. 9
612	321	SE	9. 7
801	318	SE	9. 3
990	329	SSE	7. 8
1, 170	339	SSE	7. 3
1, 350	351	S	7. 1
1, 530	17	SSW	6. 7
1, 710	23	SSW	7. 8
1, 890	29	SSW	8. 5
2, 070	49	SW	9. 1
2, 250	38	SW	9. 6
2. 430	40	SW	10. 0
2, 610	46	SW	10. 1
2, 790	54	SW	9. 6
2, 970	64	WSW	10. 0
3, 150	62	WSW	9. 5
3, 330	58	WSW	10. 7
3. 510	62	WSW	12. 5
3. 690	63	WSW	13. 2
3, 870	63	WSW	14. 9
4, 050	63	WSW	15. 4
4, 230	61	WSW	14. 8

Disappearance: Bursting. (?).

No. 733. Sept. 27, 1934; 15h 10m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	57	WSW	2. 7
216	25	SSW	16. 4
414	32	SSW	16. 1
612	52	SW	11. 2
801	73	WSW	8. 3
990	93	W	6. 3
1, 170	107	WNW	6. 2
1, 350	101	W	5. 6
1, 530	107	WNW	5. 1
1, 710	111	WNW	5. 2
1, 890	105	WNW	5. 5
2, 070	81	W	5. 5
2, 250	61	WSW	8. 1
2, 430	61	WSW	10. 5
2, 610	64	WSW	12. 0
2, 790	64	WSW	12. 7
2, 970	58	WSW	13. 9
3, 150	57	WSW	15. 3
3, 330	59	WSW	15. 7
3, 510	59	WSW	16. 0
3, 690	61	WSW	17. 4
3, 870	62	WSW	17. 6
4, 050	63	WSW	16. 5
4, 230	60	WSW	16. 0
4, 410	61	WSW	16. 7
4, 590	61	WSW	18. 0

Disappearance: Distance.

No. 734. Sept. 28, 1934; 11h 55m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	57	WSW	3. 1
216	97	W	8. 8
414	102	WNW	10. 0
612	91	W	9. 6

No. 734—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	79	W	10. 8
990	78	WSW	10. 8
1, 170	80	W	10. 5

Disappearance: Behind smoke stack.

No. 735. Sept. 29, 1934; 15h 30m. Clouds: 6 ASt. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	55	SW	2. 2
216	82	W	2. 9
414	91	W	3. 9
612	87	W	4. 2
801	77	WSW	3. 1
990	63	WSW	7. 0
1, 170	53	SW	11. 9
1, 350	54	SW	16. 4
1, 530	56	SW	17. 2

Disappearance: (?).

No. 736. Sept. 29, 1934; 19h 35m. Clouds: 2 CiSt. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	53	SW	1. 3
216	84	W	3. 9
414	102	WNW	3. 0
612	80	W	5. 2
801	74	WSW	9. 0
990	64	WSW	9. 1
1, 170	57	WSW	10. 5
1, 350	55	SW	12. 5
1, 530	53	SW	13. 9
1, 710	52	SW	14. 4
1, 890	50	SW	15. 3
2, 070	47	SW	17. 0
2, 250	43	SW	18. 0
2, 430	43	SW	20. 0
2, 610	45	SW	22. 2
2, 790	46	SW	23. 0

Disappearance: Distance and light sky.

No. 737. Sept. 30, 1934; 8h 42m. Clouds: 10 ASt WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	190	N	4. 5
216	151	NNW	8. 9
414	128	NW	12. 4
612	118	WNW	17. 6
801	119	WNW	19. 0
990	115	WNW	15. 0
1, 170	132	NW	12. 6
1, 350	128	NW	13. 0
1, 530	122	WNW	12. 6
1, 710	119	WNW	12. 8
1, 890	119	WNW	13. 9
2, 070	122	WNW	12. 0
2, 250	124	NW	11. 0
2, 430	118	WNW	12. 5
2, 610	111	WNW	14. 1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 737—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,790	111	WNW	14.7
2,970	113	WNW	15.5
3,150	113	WNW	15.6

Disappearance: Entered ASt, 3,150 m.

No. 738. Sept. 30, 1934; 13h 12m. Clouds: 9 ASt. Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	184	N	7.2
216	170	N	13.3
414	158	NNW	18.5
612	149	NNW	23.1
801	140	NW	24.2
990	134	NW	24.0
1,170	133	NW	20.8
1,350	135	NW	18.4
1,530	136	NW	18.5
1,710	135	NW	19.3
1,890	133	NW	20.4

Disappearance: Cut off by drifting snow.

No. 739. Oct. 1, 1934; 8h 37m. Clouds: 0. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	6.3
216	359	S	7.3
414	331	SSE	9.0
612	340	SSE	10.3
801	355	S	10.4
990	358	S	10.7
1,170	355	S	11.5
1,350	0	S	10.8
1,530	12	SSW	9.2
1,710	16	SSW	8.9
1,890	23	SSW	10.0
2,070	31	SSW	10.8
2,250	29	SSW	11.4
2,430	26	SSW	12.2
2,610	29	SSW	11.2
2,790	32	SSW	12.2
2,970	30	SSW	14.4

Disappearance: Bursting.

No. 740. Oct. 1, 1934; 20h. Clouds: 2 Ci. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	1.3
216	353	S	6.4
414	333	SSE	6.5
612	338	SSE	6.5
801	343	SSE	5.7
990	351	S	6.1
1,170	357	S	6.5
1,350	10	S	7.4
1,530	21	SSW	8.8
1,710	32	SSW	9.0
1,890	38	SW	9.0
2,070	33	SSW	8.9
2,250	31	SSW	9.0
2,430	33	SSW	8.3

No. 740—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,610	41	SW	6.9
2,790	54	SW	5.3
2,970	58	WSW	6.5
3,150	57	WSW	8.3
3,330	54	SW	9.7
3,510	52	SW	11.3
3,690	53	SW	11.6
3,870	50	SW	11.3
4,050	49	SW	11.7
4,230	46	SW	12.0
4,410	43	SW	13.0
4,590	44	SW	13.2
4,770	47	SW	14.1
4,950	47	SW	15.2
5,130	47	SW	15.2
5,310	48	SW	15.5
5,490	49	SW	13.6
5,670	46	SW	13.3
5,850	44	SW	13.4
6,030	42	SW	12.0
6,210	42	SW	13.0
6,390	42	SW	15.0

Disappearance: Distance.

No. 741. Oct. 2, 1934; 8h 30m. Clouds: Few Ci NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	338	SSE	2.2
216	304	SE	6.2
414	294	ESE	6.6
612	302	ESE	3.8
801	314	SE	2.9
990	319	SE	2.8
1,170	315	SE	1.2
1,350	141	NW	9.9
1,530	126	NW	1.0
1,710	113	WNW	6.6
1,890	109	WNW	1.4
2,070	103	WNW	2.6
2,250	90	W	4.5
2,430	91	W	5.9
2,610	96	W	6.6
2,790	102	WNW	6.4
2,970	111	WNW	6.3
3,150	114	WNW	6.5
3,330	113	WNW	6.7
3,510	108	WNW	7.0
3,690	111	WNW	6.5
3,870	115	WNW	6.9
4,050	118	WNW	6.5
4,230	122	WNW	7.3
4,410	121	WNW	8.1
4,590	125	NW	7.7
4,770	126	NW	8.3
4,950	128	NW	9.2
5,130	129	NW	10.2
5,310	129	NW	10.2
5,490	136	NW	9.9
5,670	131	NW	10.2
5,850	125	NW	11.6
6,030	133	NW	11.8
6,210	131	NW	12.0
6,390	132	NW	13.2
6,570	131	NW	13.6
6,750	130	NW	13.5
6,930	130	NW	14.0
7,110	131	NW	14.5
7,290	132	NW	15.0

No. 741—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,470	119	WNW	14.0
7,650	110	WNW	10.4
7,830	105	WNW	7.5

Disappearance: Bursting.

No. 742. Oct. 3, 1934; 9h 55m. Clouds: 9 CiSt NW. 22° solar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	6.7
216	295	ESE	12.3
414	292	ESE	9.0
612	282	ESE	4.2
801	267	E	2.8
990	265	E	5.0
1,170	265	E	6.3
1,350	254	ENE	5.6
1,530	236	NE	4.7
1,710	231	NE	4.8
1,890	233	NE	4.7
2,070	225	NE	4.5
2,250	221	NE	4.3
2,430	209	NNE	4.1
2,610	196	NNE	4.0
2,790	189	N	3.9
2,970	182	N	4.6
3,150	180	N	5.4
3,330	169	N	5.5
3,510	161	NNW	5.7
3,690	157	NNW	6.2
3,870	158	NNW	5.8
4,050	159	NNW	5.8
4,230	157	NNW	6.2
4,410	161	NNW	6.2
4,590	165	NNW	6.2
4,770	167	NNW	6.4

Disappearance: Bursting.

No. 743. Oct. 5, 1934; 11h 30m. Clouds: 10 St E. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	304	SE	6.3
216	304	SE	11.0
414	293	ESE	11.6
612	282	ESE	10.0
801	273	E	7.9
990	277	E	8.2
1,170	284	ESE	9.4
1,350	290	ESE	8.4
1,530	285	ESE	7.0
1,710	268	E	6.0
1,890	265	E	6.2
2,070	270	E	6.5

Disappearance: Entered St, 2,070 m.

No. 744. Oct. 6, 1934; 11h 40m. Clouds: 8 CiSt N(?). Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	86	W	4.9
216	75	WSW	10.5
414	77	WSW	13.3

No. 744—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	88	W	14.7
801	86	W	14.5
990	83	W	14.5
1,170	83	W	14.6
1,350	83	W	15.0

Disappearance: Haziness.

No. 745. Oct. 11, 1934; 9h 48m. Clouds: 10 ASt E. Vis.: 5. Lt. drift. First observation since Oct. 6, because of drift, poor visibility and low clouds

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	10.3
216	280	E	13.0
414	271	E	10.0
612	269	E	7.4
801	274	E	6.3
990	281	E	6.0
1,170	289	ESE	5.5
1,350	294	ESE	5.2
1,530	283	ESE	6.2
1,710	274	E	7.7
1,890	280	E	9.6
2,070	280	E	11.3
2,250	271	E	11.9
2,430	269	E	12.3
2,610	271	E	11.9
2,790	269	E	11.1
2,970	272	E	10.7
3,150	277	E	10.4
3,330	278	E	10.0

Disappearance: Entered ASt, 3,330 m.

No. 746. Oct. 11, 1934; 14h. Clouds: 10 ASt ENE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	272	E	6.7
216	304	SE	6.1
414	345	SSE	2.0
612	319	SE	1.1
801	301	ESE	2.3
990	276	E	2.7
1,170	259	E	3.0
1,350	264	E	4.5
1,530	269	E	6.1
1,710	271	E	6.4
1,890	272	E	6.9
2,070	277	E	7.1
2,250	278	E	7.6
2,430	274	E	8.4
2,610	267	E	8.7
2,790	266	E	9.1
2,970	272	E	9.0
3,150	268	E	8.7
3,330	261	E	8.3
3,510	258	ENE	7.7
3,690	263	E	6.3
3,870	269	E	5.7
4,050	271	E	6.4
4,230	268	E	8.0
4,410	256	ENE	8.5
4,590	236	NE	8.2

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 746—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 770	233	NE	7. 5
4, 950	239	ENE	7. 1
5, 130	246	ENE	7. 9
5, 310	246	ENE	8. 0

Disappearance: Entered ASt, 5,310 m.

No. 747. Oct. 12, 1934; 7h 55m. Clouds: 2 Ci N, 7 CiSt N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	50	SW	1. 8
216	289	ESE	2. 1
414	296	ESE	3. 2
612	307	SE	4. 7
801	312	SE	5. 8
990	314	SE	5. 6
1, 170	321	SE	4. 6
1, 350	333	SSE	5. 9
1, 530	342	SSE	6. 1
1, 710	351	S	3. 6
1, 890	30	SSW	2. 2
2, 070	56	SW	3. 0
2, 250	58	WSW	4. 0
2, 430	69	WSW	4. 5
2, 610	78	WSW	4. 9
2, 790	71	WSW	5. 0
2, 970	63	WSW	5. 4
3, 150	72	WSW	4. 9
3, 330	86	W	4. 2
3, 510	81	W	3. 7
3, 690	75	WSW	3. 8
3, 870	65	WSW	3. 4
4, 050	30	SSW	2. 2
4, 230	271	E	1. 1
4, 410	172	N	0. 5
4, 590	315	SE	0. 5
4, 770	226	NE	0. 7
4, 950	152	NNW	0. 7

Disappearance: Bursting (?)

No. 748. Oct. 12, 1934; 16h 15m. Clouds: Few CiSt N, Few StCu ENE. Vis.: 8.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	1. 8
216	281	E	9. 3
414	269	E	8. 1
612	245	ENE	4. 0
801	240	ENE	3. 2
990	248	ENE	4. 3
1, 170	260	E	4. 3
1, 350	265	E	4. 3
1, 530	266	E	4. 0
1, 710	261	E	2. 1
1, 890	Calm		Calm
2, 070	50	SW	0. 6
2, 250	49	SW	0. 6
2, 430	77	WSW	1. 2
2, 610	79	W	2. 0
2, 790	58	WSW	3. 1
2, 970	62	WSW	3. 5
3, 150	71	WSW	2. 9
3, 330	75	WSW	2. 0
3, 510	104	WNW	2. 5
3, 690	117	WNW	3. 3

Disappearance: Lost.

No. 749. Oct. 13, 1934; 9h. Clouds: 10 St ENE. Lt. grd. fog. Lt. snow. 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	314	SE	2. 7
216	245	ENE	6. 5
414	211	NNE	8. 6
612	208	NNE	9. 4
801	214	NE	10. 0
990	219	NE	9. 2
1, 170	223	NE	7. 3
1, 350	226	NE	6. 4
1, 530	236	NE	5. 7
1, 710	240	ENE	5. 7

Disappearance: Entered St, 1,710 m.

No. 750. Oct. 13, 1934; 16h 20m. Clouds: 10 St NE. Vis.: 3. Lt. snow, lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	278	E	7. 2
216	234	NE	8. 2
414	208	NNE	8. 0
612	203	NNE	6. 8
801	207	NNE	6. 5
990	215	NE	7. 5
1, 170	223	NE	8. 9
1, 350	226	NE	9. 4
1, 530	222	NE	9. 8
1, 710	220	NE	10. 4

Disappearance: Entered St, 1,710 m.

No. 751. Oct. 14, 1934; 8h 20m. Clouds: 10 St NNE. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	249	ENE	4. 0
216	224	NE	6. 2
414	204	NNE	7. 3
612	200	NNE	8. 5

Disappearance: Entered St, 612 m.

No. 752. Oct. 14, 1934; 19h 15m. Clouds: 10 St N. Vis.: 4. Snowing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	235	NE	4. 9
216	217	NE	7. 3
414	210	NNE	7. 3
612	208	NNE	7. 2
801	204	NNE	7. 0
990	197	NNE	6. 5
1, 170	191	N	6. 3
1, 350	191	N	6. 2

Disappearance: Entered St, 1,350 m.

No. 753. Oct. 15, 1934; 18h 20m. Clouds: 10 St NNW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	241	ENE	2. 2
216	213	NNE	2. 2
414	170	N	2. 4
513	165	NNW	2. 0

Disappearance: Entered St, 513 m.

No. 754. Oct. 16, 1934; 9h 23m. Clouds: 10 St NW. Vis.: 5. Snowing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	150	NNW	5. 4
216	142	NW	6. 7
414	136	NW	7. 8
612	128	NW	8. 5
801	124	NW	9. 2

Disappearance: Entered St, 801 m.

No. 755. Oct. 16, 1934; 14h 25m. Clouds: 2 ASt NW, Few ACu NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	153	NNW	5. 4
216	143	NW	9. 5
414	137	NW	11. 1
612	132	NW	11. 2
801	132	NW	11. 0
990	138	NW	11. 3
1, 170	140	NW	9. 9
1, 350	140	NW	8. 7
1, 530	134	NW	7. 7
1, 710	125	NW	6. 8
1, 890	121	WNW	6. 9
2, 070	118	WNW	6. 5
2, 250	129	NW	6. 1
2, 430	138	NW	8. 2
2, 610	133	NW	9. 0
2, 790	129	NW	7. 0
2, 970	134	NW	6. 5
3, 150	134	NW	6. 9

Disappearance: Background.

No. 756. Oct. 17, 1934; 11h 35m. Clouds: 2 ACu NW, 5 StCu NW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	260	E	7. 2
216	212	NNE	5. 6
414	192	NNE	5. 2
612	172	N	5. 4
801	154	NNW	5. 6
990	162	NNW	4. 7
1, 170	152	NNW	4. 6
1, 350	135	NW	4. 3
1, 530	134	NW	3. 5
1, 710	138	NW	3. 8
1, 890	137	NW	4. 1

Disappearance: Entered StCu 1,890 m.

No. 757. Oct. 18, 1934; 13h 30m. Clouds: 9 St NE. Vis.: 5. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	246	ENE	4. 0
216	231	NE	1. 3
414	270	E	0. 7
612	262	E	0. 6
706	234	NE	0. 8

Disappearance: Entered St, 706 m.

No. 758. Oct. 18, 1934; 16h 12m. Clouds: 8 St SSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	62	WSW	1. 8
216	30	SSW	5. 2
414	30	SSW	5. 3
612	27	SSW	5. 3
801	21	SSW	5. 5
990	16	SSW	5. 7
1, 170	15	SSW	7. 0
1, 350	17	SSW	8. 2

Disappearance: Entered St, 1,350 m. Large rise in pressure; and change of wind from NE to SSW since last observation.

No. 759. Oct. 19, 1934; 8h 20m. Clouds: 10 StCu SSE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	308	SE	1. 3
216	264	E	1. 7
414	332	SSE	2. 9
612	335	SSE	5. 3
801	327	SSE	6. 1
990	328	SSE	5. 9
1, 080	329	SSE	6. 0

Disappearance: Entered StCu, 1,080 m.

No. 760. Oct. 19, 1934; 14h. Clouds: Few St SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	318	SE	2. 2
216	273	E	2. 6
414	275	E	5. 2
612	290	ESE	6. 4
801	301	ESE	6. 7
990	299	ESE	6. 5
1, 170	293	ESE	5. 4
1, 350	292	ESE	4. 7
1, 530	304	SE	4. 2
1, 710	321	SE	3. 0
1, 890	353	S	2. 2
2, 070	40	SW	2. 2
2, 250	64	WSW	3. 0
2, 430	65	WSW	4. 4
2, 610	72	WSW	5. 0
2, 790	76	WSW	5. 6
2, 970	78	WSW	8. 0
3, 150	80	W	11. 1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 760—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,330	80	W	13.4
3,510	82	W	15.2
3,690	84	W	16.3
3,870	84	W	17.1
4,050	84	W	19.4
4,230	84	W	21.8
4,410	83	W	23.7
4,590	80	W	25.3
4,770	80	W	27.0
4,950	82	W	27.3
5,130	83	W	26.8

Disappearance: Background.

No. 761. Oct. 20, 1934; 8h 48m. Clouds: 9 StCu NNE. Vis.: 2. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	300	ESE	10.7
216	294	ESE	12.2
414	289	ESE	13.8
612	283	ESE	12.3
801	282	ESE	8.5
990	290	ESE	6.0
1,170	283	ESE	6.1
1,350	259	E	4.5
1,530	231	NE	1.6
1,710	198	NNE	0.7
1,890	197	NNE	0.5

Disappearance: Entered StCu, 1,890 m.

No. 762. Oct. 20, 1934; 18h 30m. Clouds: 5 Ci SE, 2 StCu SE.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	342	SSE	4.9
216	310	SE	4.7
414	312	SE	10.7
612	322	SE	8.1
801	314	SE	7.5
990	310	SE	7.5
1,170	309	SE	7.2
1,350	310	SE	6.4
1,530	310	SE	5.0
1,710	313	SE	5.0

Disappearance: Entered StCu, 1,710 m.

No. 763. Oct. 21, 1934; 20h 12m. Clouds: 4 CiSt SE, 4 ASt S. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	7.6
216	37	SW	13.7
414	35	SW	14.9
612	36	SW	16.8
801	36	SW	18.3
990	28	SSW	14.6
1,170	18	SSW	10.2
1,350	15	SSW	8.5
1,530	15	SSW	7.7
1,710	29	SSW	8.0
1,890	20	SSW	9.0

No. 763—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,070	18	SSW	9.9
2,250	16	SSW	11.1
2,430	13	SSW	11.1
2,610	10	S	10.6
2,790	9	S	10.0

Disappearance: Entered ASt, 2,790 m.

No. 764. Oct. 22, 1934; 8h 46m. Clouds: Few Ci SE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	50	SW	9.4
216	40	SW	12.5
414	38	SW	14.5
612	40	SW	14.0
801	33	SSW	12.6
990	33	SSW	11.7
1,170	42	SW	11.0
1,350	44	SW	12.0
1,530	44	SW	12.5
1,710	49	SW	14.5
1,890	49	SW	17.0
2,070	45	SW	15.7
2,250	45	SW	14.2
2,430	46	SW	15.5
2,610	38	SW	14.0
2,790	22	SSW	13.0

Disappearance: Lost.

No. 765. Oct. 22, 1934; 13h 20m. Clouds: 1 Ci (SW?), Few ASt SW. Vis.: 8. Heavy shower ice crystals; 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	67	WSW	7.2
216	44	SW	12.8
414	38	SW	19.0
612	42	SW	18.6
801	62	WSW	14.8
990	73	WSW	14.0
1,170	65	WSW	14.5
1,350	55	SW	19.0
1,530	48	SW	21.2
1,710	43	SW	16.5
1,890	39	SW	14.0
2,070	38	SW	13.1
2,250	44	SW	11.8
2,430	50	SW	13.0
2,610	50	SW	13.6
2,790	47	SW	14.8
2,970	43	SW	15.4
3,150	42	SW	15.0
3,330	41	SW	14.8

Disappearance: Distance and background.

No. 766. Oct. 22, 1934; 21h 18m. Clouds: 0. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	76	WSW	6.3
216	60	WSW	11.0
414	63	WSW	12.7

No. 766—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	67	WSW	16.3
801	68	WSW	17.6
990	72	WSW	16.8
1,170	75	WSW	16.6
1,350	75	WSW	17.3
1,530	73	WSW	15.2
1,710	72	WSW	12.5
1,890	78	WSW	12.5
2,070	82	W	13.0

Disappearance: Poor light (low sun).

No. 767. Oct. 23, 1934; 9h 15m. Clouds: 2 Ci. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	1.3
216	90	W	3.5
414	88	W	6.5
612	89	W	9.0
801	90	W	9.7
990	86	W	9.2
1,170	71	WSW	6.8
1,350	61	WSW	5.1
1,530	69	WSW	5.2
1,710	70	WSW	5.8

Disappearance: Lost owing to refraction by heat coming out of smokestack.

No. 768. Oct. 23, 1934; 10h 43m. Clouds: 8 Ci (N?). Vis.: 8. Faint 22° halo.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	0	S	1.3
216	95	W	2.9
414	98	W	8.7
612	102	WNW	7.5
801	92	W	7.5
990	79	W	8.0
1,170	75	WSW	6.0
1,350	80	W	4.2
1,530	88	W	4.4
1,710	83	W	5.2
1,890	80	W	4.8
2,070	78	WSW	5.1
2,250	76	WSW	5.6
2,430	78	WSW	6.0
2,610	73	WSW	5.5
2,790	62	WSW	5.5
2,970	62	WSW	6.0
3,150	64	WSW	7.8
3,330	68	WSW	9.4
3,510	66	WSW	9.6
3,690	64	WSW	9.3
3,870	64	WSW	9.1
4,050	60	WSW	9.6
4,230	57	WSW	10.0

Disappearance: Lost owing to refraction by heat coming out of smokestack.

No. 769. Oct. 23, 1934; 14h 30m. Clouds: 10 CiSt WNW, Few St W. Vis.: 7. 22° Solar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	2.9
216	100	W	2.8
414	99	W	8.5
612	96	W	10.5
801	96	W	8.6
990	95	W	5.6
1,170	96	W	4.7
1,350	99	W	5.3
1,530	97	W	5.1
1,710	93	W	4.3
1,890	94	W	3.8
2,070	94	W	3.4
2,250	98	W	2.8
2,430	116	WNW	2.5
2,610	104	WNW	3.4
2,790	92	W	5.3
2,970	83	W	6.4
3,150	81	W	5.8
3,330	77	WSW	4.0
3,510	79	W	3.3
3,690	84	W	3.9
3,870	82	W	3.8
4,050	84	W	3.8
4,230	83	W	5.0
4,410	83	W	8.0
4,590	89	W	7.0
4,770	94	W	7.3
4,950	96	W	7.3
5,130	104	WNW	7.7
5,310	113	WNW	8.0

Disappearance: Entered CiSt, 5,310 m.

No. 770. Oct. 23, 1934; 19h 23m. Clouds: 10 St SW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	264	E	6.7
216	206	NNE	4.0
414	149	NNW	4.5
612	77	WSW	3.5
706	35	SW	5.5

Disappearance: Entered St, 706 m.

No. 771. Oct. 24, 1934; 10h 10m. Clouds: 10 St NE. Lt. fog. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	276	E	7.6
216	249	ENE	8.1
414	242	ENE	6.8
612	251	ENE	6.0
801	256	ENE	6.4
990	243	ENE	5.8
1,170	230	NE	5.5

Disappearance: Entered St, 1,170 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 772. Oct. 24, 1934; 18h 22m. Clouds: 3 ASt, 7 St NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	287	ESE	5. 4
216	276	E	9. 2
414	261	E	6. 9
612	232	NE	4. 5
801	215	NE	3. 5
990	235	NE	3. 1
1, 170	259	E	3. 7
1, 350	275	E	4. 5
1, 530	264	E	5. 3
1, 710	240	ENE	5. 5
1, 890	233	NE	5. 6

Disappearance: Entered St, 1,890 m.

No. 773. Oct. 25, 1934; 10h 05m. Clouds: 10 ASt N. Vis.: 7. 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	22	SSW	1. 8
216	319	SE	2. 6
414	323	SE	2. 7
612	1	S	0. 8
801	141	NW	1. 5
990	149	NNW	1. 4
1, 170	123	WNW	0. 6
1, 350	123	WNW	1. 0
1, 530	140	NW	1. 8
1, 710	146	NW	2. 4
1, 890	149	NNW	3. 5
2, 070	131	NW	3. 9
2, 250	103	WNW	3. 2
2, 430	109	WNW	1. 3
2, 610	186	N	0. 6

Disappearance: Entered ASt, 2,610 m.

No. 774. Oct. 25, 1934; 14h 45m. Clouds: 1 Ci, Few ASt NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	4	S	2. 9
216	315	SE	2. 2
414	154	NNW	1. 0
612	137	NW	1. 3
801	137	NW	2. 8
990	140	NW	3. 8
1, 170	136	NW	3. 8
1, 350	127	NW	4. 0
1, 530	128	NW	3. 9
1, 710	128	NW	3. 8
1, 890	122	WNW	3. 5
2, 070	124	NW	4. 0
2, 250	132	NW	5. 7
2, 430	141	NW	7. 0
2, 610	138	NW	7. 8
2, 790	133	NW	7. 5
2, 970	132	NW	6. 7
3, 150	130	NW	7. 5
3, 330	130	NW	7. 9
3, 510	134	NW	8. 3
3, 690	143	NW	8. 0
3, 870	146	NW	7. 8
4, 050	138	NW	7. 1

No. 774—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 230	133	NW	6. 7
4, 410	135	NW	7. 1
4, 590	134	NW	6. 9
4, 770	129	NW	7. 0
4, 950	125	NW	7. 0
5, 130	126	NW	6. 6
5, 310	128	NW	7. 3
5, 490	127	NW	8. 0
5, 670	132	NW	8. 5
5, 850	120	WNW	8. 5
6, 030	103	WNW	8. 5
6, 210	96	W	7. 5
6, 390	78	WSW	8. 4
6, 570	77	WSW	9. 4
6, 750	82	W	8. 6
6, 930	94	W	9. 3
7, 110	95	W	10. 8
7, 290	93	W	10. 2

Disappearance: Distance.

No. 775. Oct. 26, 1934; 9h 10m. Clouds: Few ASt W. Vis.: 8. Heavy shower ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	2. 5
216	31	SSW	8. 2
414	47	SW	9. 5
612	58	WSW	8. 2
801	59	WSW	5. 8
990	53	SW	4. 4
1, 170	31	SSW	3. 0
1, 350	46	SW	1. 8
1, 530	71	WSW	3. 8
1, 710	58	WSW	5. 5
1, 890	56	SW	6. 5
2, 070	61	WSW	7. 1
2, 250	67	WSW	6. 2
2, 430	76	WSW	6. 7
2, 610	78	WSW	7. 1
2, 790	80	W	7. 5
2, 970	83	W	9. 3
3, 150	80	W	10. 7
3, 330	80	W	11. 2
3, 510	85	W	11. 8
3, 690	89	W	13. 5
3, 870	93	W	15. 0
4, 050	95	W	15. 7
4, 230	96	W	16. 3
4, 410	97	W	16. 6
4, 590	98	W	16. 9
4, 770	99	W	16. 7

Disappearance: Distance.

No. 776. Oct. 26, 1934; 16h 05m. Clouds: Few ASt W. Vis.: 8. Shower ice crystals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	56	SW	3. 1
216	48	SW	9. 4
414	50	SW	13. 0
612	46	SW	13. 0
801	44	SW	10. 5
990	52	SW	8. 5
1, 170	69	WSW	7. 0
1, 350	81	W	6. 1
1, 530	90	W	5. 0

No. 776—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 710	98	W	5. 0
1, 890	94	W	5. 5
2, 070	94	W	4. 9
2, 250	94	W	4. 7
2, 430	86	W	5. 5
2, 610	82	W	6. 4
2, 790	81	W	7. 1
2, 970	78	WSW	7. 4
3, 150	81	W	7. 3
3, 330	84	W	7. 7
3, 510	81	W	8. 3
3, 690	84	W	8. 5
3, 870	91	W	8. 1
4, 050	96	W	8. 0
4, 230	98	W	9. 2
4, 410	101	W	9. 5
4, 590	101	W	9. 0
4, 770	99	W	8. 9
4, 950	101	W	9. 5
5, 130	101	W	9. 6
5, 310	103	WNW	9. 0
5, 490	103	WNW	9. 0

Disappearance: Chimney.

No. 777. Oct. 27, 1934; 9h 02m. Clouds: 0. Vis: 8. Slight haze around horizon

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	72	WSW	6. 3
216	51	SW	9. 0
414	53	SW	11. 1
612	60	WSW	8. 9
801	65	WSW	8. 2
990	63	WSW	10. 0
1, 170	60	WSW	10. 9
1, 350	57	WSW	10. 7
1, 530	52	SW	10. 8
1, 710	54	SW	10. 5
1, 890	50	SW	10. 0
2, 070	44	SW	9. 8
2, 250	48	SW	9. 4
2, 430	55	SW	10. 6
2, 610	54	SW	12. 6
2, 790	52	SW	12. 7
2, 970	52	SW	12. 4
3, 150	51	SW	13. 4
3, 330	54	SW	13. 5
3, 510	54	SW	13. 3
3, 690	55	SW	13. 2
3, 870	57	WSW	14. 0
4, 050	58	WSW	15. 0
4, 230	60	WSW	15. 5
4, 410	61	WSW	16. 8

Disappearance: Distance.

No. 778. Oct. 29, 1934; 18h 25m. Clouds: 9 Ci WNW. Vis.: 8. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	43	SW	7. 6
216	0	S	13. 0
414	342	SSE	10. 9
612	329	SSE	7. 5
801	331	SSE	7. 9
990	331	SSE	6. 7
1, 170	329	SSE	5. 8

No. 778—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 350	329	SSE	6. 0
1, 530	333	SSE	5. 6
1, 710	341	SSE	6. 5
1, 890	352	S	7. 2
2, 070	4	S	7. 1
2, 250	10	S	5. 0
2, 430	18	SSW	3. 3
2, 610	28	SSW	4. 2
2, 790	30	SSW	4. 1
2, 970	35	SW	4. 9
3, 150	38	SW	5. 8
3, 330	46	SW	6. 1
3, 510	60	WSW	6. 8
3, 690	65	WSW	7. 5
3, 870	68	WSW	7. 2
4, 050	69	WSW	7. 1
4, 230	73	WSW	6. 8
4, 410	75	WSW	6. 3
4, 590	64	WSW	6. 5
4, 770	57	WSW	6. 2
4, 950	68	WSW	6. 1
5, 130	91	W	6. 7
5, 310	103	WNW	6. 6
5, 490	98	W	6. 2
5, 670	93	W	8. 0
5, 850	96	W	8. 9
6, 030	97	W	8. 5
6, 210	104	WNW	8. 0
6, 390	109	WNW	7. 3
6, 570	110	WNW	7. 5
6, 750	108	WNW	7. 6

Disappearance: Entered Ci, 6,750 m.

No. 779. Oct. 30, 1934; 9h 46m. Clouds: 2 ASt W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	269	E	3. 1
216	229	NE	9. 5
414	177	N	5. 6
612	87	W	3. 3
801	91	W	3. 8
990	77	WSW	4. 8
1, 170	70	WSW	4. 0
1, 350	68	WSW	3. 3
1, 530	69	WSW	5. 3
1, 710	69	WSW	6. 1
1, 890	66	WSW	5. 1
2, 070	89	W	4. 8
2, 250	104	WNW	5. 8
2, 430	103	WNW	5. 8
2, 610	95	W	5. 7
2, 790	94	W	6. 5
2, 970	93	W	7. 1
3, 150	84	W	6. 0
3, 330	82	W	7. 6
3, 510	82	W	6. 9
3, 690	86	W	7. 0
3, 870	92	W	7. 5
4, 050	94	W	7. 8
4, 230	96	W	8. 0
4, 410	99	W	9. 0
4, 590	93	W	9. 5
4, 770	100	W	9. 0
4, 950	105	WNW	9. 0
5, 130	105	WNW	8. 0
5, 310	103	WNW	8. 5
5, 490	100	W	9. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 779—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,670	101	W	9.7
5,850	106	WNW	10.4
6,030	107	WNW	10.5
6,210	100	W	11.5
6,390	87	W	13.0
6,570	69	WSW	15.8
6,750	67	WSW	18.3
6,930	69	WSW	19.5
7,110	64	WSW	19.5
7,290	64	WSW	20.0
7,470	64	WSW	20.0

Disappearance: Distance.

No. 780. Oct. 30, 1934; 19h. Clouds: 2 AST W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	268	E	2.7
216	277	E	4.3
414	298	ESE	1.8
612	290	ESE	1.5
801	219	NE	0.8
990	107	WNW	1.3
1,170	84	W	0.9
1,350	87	W	3.3
1,530	111	WNW	6.0
1,710	------	--------	-----
1,890	------	--------	-----
2,070	------	--------	-----
2,250	------	--------	-----
2,430	183	N	3.6
2,610	147	NNW	4.7
2,790	110	WNW	5.9
2,970	101	W	5.7
3,150	105	WNW	6.0
3,330	100	W	6.0
3,510	106	WNW	5.7
3,690	102	WNW	5.7
3,870	96	W	5.7
4,050	94	W	6.3
4,230	92	W	6.9
4,410	96	W	7.3
4,590	95	W	8.8
4,770	92	W	9.9
4,950	93	W	10.5
5,130	94	W	10.8
5,310	96	W	10.4
5,490	96	W	10.3
5,670	98	W	10.5
5,850	101	W	11.0
6,030	99	W	11.3
6,210	93	W	12.0
6,390	91	W	13.1
6,570	92	W	13.6

Disappearance: Distance.

No. 781. Oct. 31, 1934; 13h 40m. Clouds: 8 Ci. Vis.: 7. 22° halo; lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	301	ESE	8.0
216	294	ESE	13.9
414	287	ESE	13.8
612	280	E	7.6
801	286	ESE	4.3
990	289	ESE	5.5
1,170	279	E	6.9

No. 781—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,350	274	E	5.5
1,530	293	ESE	2.7
1,710	294	ESE	3.3
1,890	291	ESE	3.7
2,070	310	SE	3.5
2,250	320	SE	3.1
2,430	319	SE	3.2
2,610	321	SE	3.0
2,790	322	SE	2.7
2,970	317	SE	3.3
3,150	321	SE	2.8
3,330	340	SSE	1.2
3,510	48	SW	1.0
3,690	84	W	1.7
3,870	109	WNW	2.2
4,050	137	NW	2.4
4,230	145	NW	2.2
4,410	135	NW	2.2
4,590	137	NW	3.5
4,770	127	NW	3.5
4,950	113	WNW	3.0
5,130	110	WNW	3.5
5,310	103	WNW	3.9
5,490	102	WNW	4.3
5,670	106	WNW	3.4
5,850	118	WNW	3.4
6,030	118	WNW	4.4
6,210	115	WNW	4.4

Disappearance: Lost.

No. 782. Oct. 31, 1934; 20h 05m. Clouds: 9 CiSt W. Vis.: 8. 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	313	SE	5.4
216	305	SE	12.3
414	306	SE	13.0
612	311	SE	9.0
801	322	SE	6.0
990	316	SE	5.7
1,170	298	ESE	5.2
1,350	287	ESE	4.2
1,530	290	ESE	3.5
1,710	306	SE	3.2
1,890	317	SE	4.0
2,070	312	SE	4.4
2,250	302	ESE	4.0
2,430	310	SE	4.2
2,610	324	SE	4.5
2,790	328	SSE	3.9
2,970	321	SE	3.6
3,150	333	SSE	4.1
3,330	332	SSE	3.6
3,510	329	SSE	2.6
3,690	339	SSE	1.5
3,870	350	S	2.5
4,050	41	SW	2.5
4,230	26	SSW	1.0
4,410	10	S	0.9
4,590	344	SSE	1.1
4,770	246	ENE	1.0
4,950	184	N	0.7
5,130	224	NE	0.7
5,310	190	N	1.1
5,490	126	NW	1.4
5,670	106	WNW	2.0
5,850	108	WNW	2.7
6,030	96	W	3.1
6,210	89	W	3.4

No. 782—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,390	113	WNW	3.8
6,570	116	WNW	5.2
6,750	110	WNW	5.8
6,930	110	WNW	6.2
7,110	110	WNW	6.8
7,290	108	WNW	8.4
7,470	110	WNW	10.7
7,650	111	WNW	10.9
7,830	106	WNW	11.0
8,010	109	WNW	11.1
8,190	87	W	12.8
8,370	81	W	15.0

Disappearance: Entered CiSt, 8,370 m.

No. 783. Nov. 1, 1934; 8h 47m. Clouds: 1 CiSt W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	21	SSW	5.8
216	24	SSW	3.7
414	18	SSW	3.0
612	359	S	3.5
801	351	S	5.5
990	338	SSE	6.5
1,170	328	SSE	5.5
1,350	340	SSE	3.5
1,530	0	S	3.2
1,710	353	S	3.8
1,890	342	SSE	3.3
2,070	341	SSE	2.8
2,250	345	SSE	3.5
2,430	332	SSE	3.9
2,610	327	SSE	3.6
2,790	343	SSE	3.3
2,970	330	SSE	3.2
3,150	317	SE	3.9
3,330	326	SSE	3.5
3,510	330	SSE	2.9
3,690	334	SSE	1.5
3,870	332	SSE	1.3
4,050	342	SSE	1.8
4,230	352	S	2.3
4,410	7	S	2.5
4,590	22	SSW	2.2
4,770	15	SSW	1.5
4,950	36	SW	1.0
5,130	82	W	0.7
5,310	97	W	0.4
5,490	60	WSW	0.6
5,670	17	SSW	0.9
5,850	11	S	0.9
6,030	61	WSW	1.1
6,210	90	W	1.0
6,390	61	WSW	0.7
6,570	38	SW	0.8
6,750	41	SW	1.8
6,930	26	SSW	2.1
7,110	13	SSW	1.5
7,290	32	SSW	1.5
7,470	47	SW	2.0
7,650	60	WSW	3.0
7,830	70	WSW	4.0
8,010	75	WSW	4.1
8,190	80	W	4.1
8,370	86	W	4.6
8,550	95	W	5.6
8,730	102	WNW	6.8
8,910	102	WNW	8.0

No. 783—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
9,090	93	W	10.0
9,270	95	W	10.9
9,450	98	W	11.0
9,630	96	W	11.8
9,810	100	W	11.5
9,990	102	WNW	10.8
10,170	95	W	12.7
10,350	90	W	14.5
10,530	94	W	13.8
10,710	87	W	17.7
10,890	83	W	20.4
11,070	85	W	19.0
11,250	85	W	19.3
11,430	85	W	20.5
11,610	86	W	20.5
11,790	86	W	19.4
11,970	84	W	18.9
12,150	81	W	19.5
12,330	80	W	17.8
12,510	78	WSW	17.0
12,690	73	WSW	18.8
12,870	73	WSW	19.2

Disappearance: Distance.

No. 784. Nov. 1, 1934; 14h 08m. Clouds: 5 Ci W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	20	SSW	4.1
216	349	S	1.8
414	273	E	1.9
612	326	SE	2.7
801	339	SSE	3.8
990	340	SSE	3.7
1,170	350	S	3.5
1,350	357	S	3.5
1,530	339	SSE	3.5
1,710	313	SE	3.3
1,890	311	SE	2.7
2,070	336	SSE	1.6
2,250	18	SSW	1.2
2,430	358	S	1.1
2,610	318	SE	0.9
2,790	325	SE	0.5
2,970	6	S	0.5
3,150	321	SE	0.5
3,330	302	ESE	1.0
3,510	318	SE	1.5
3,690	283	ESE	0.5
3,870	199	NNE	1.0
4,050	217	NE	1.5
4,230	217	NE	1.5
4,410	220	NE	1.5
4,590	207	NNE	1.0
4,770	84	W	0.2
4,950	43	SW	0.5
5,130	82	W	1.0
5,310	132	NW	1.0
5,490	160	NNW	1.5
5,670	182	N	1.0
5,850	158	NNW	1.2
6,030	154	NNW	2.5
6,210	162	NNW	3.5
6,390	159	NNW	4.0
6,570	161	NNW	4.5
6,750	165	NNW	4.8
6,930	159	NNW	4.6
7,110	154	NNW	4.3
7,290	145	NW	4.2

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 784—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7,470	139	NW	5.0
7,650	131	NW	6.1
7,830	124	NW	7.0
8,010	121	WNW	7.6

Disappearance: Bursting.

No. 785. Nov. 1, 1934; 21h 05m. Clouds: 4 Ci (NW?), 1 CiSt (NW?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	358	S	1.9
216	339	SSE	0.6
414	328	SSE	0.6
612	302	ESE	1.1
801	292	ESE	0.8
990	294	ESE	0.6
1,170	268	E	0.8
1,350	236	NE	0.7
1,530	124	NW	0.5
1,710	102	WNW	0.5
1,890	224	NE	0.7
2,070	223	NE	1.9
2,250	218	NE	2.7
2,430	215	NE	2.9
2,610	207	NNE	2.6
2,790	207	NNE	2.7
2,970	212	NNE	3.7
3,150	208	NNE	4.3
3,330	205	NNE	4.4
3,510	204	NNE	4.4
3,690	207	NNE	4.3
3,870	211	NNE	3.3
4,050	197	NNE	2.0
4,230	176	N	1.6
4,410	174	N	1.5
4,590	173	N	1.2
4,770	187	N	1.1
4,950	196	NNE	1.5
5,130	200	NNE	2.2
5,310	206	NNE	2.7
5,490	197	NNE	2.6
5,670	193	NNE	2.6
5,850	188	N	3.5
6,030	177	N	4.4
6,210	171	N	4.6
6,390	165	NNW	5.5
6,570	165	NNW	5.7
6,750	168	NNW	5.1
6,930	165	NNW	4.9
7,110	159	NNW	5.0
7,290	155	NNW	5.3
7,470	160	NNW	6.0
7,650	162	NNW	6.5
7,830	157	NNW	7.2
8,010	152	NNW	7.6
8,190	142	NW	7.9
8,370	136	NW	8.9
8,550	132	NW	9.5
8,730	127	NW	9.7
8,910	126	NW	9.3
9,090	125	NW	9.0
9,270	125	NW	9.0
9,450	125	NW	8.7

Disappearance: Bursting.

No. 786. Nov. 2, 1934; 8h 45m. Clouds: Few ASt N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	245	ENE	2.9
216	273	E	1.5
414	182	N	1.2
612	180	N	3.1
801	167	NNW	4.1
990	147	NNW	4.6
1,170	142	NW	4.6
1,350	150	NNW	5.0
1,530	149	NNW	5.1
1,710	145	NW	5.0
1,890	149	NNW	5.0
2,070	165	NNW	4.8
2,250	176	N	5.6
2,430	185	N	6.0
2,610	194	NNE	6.0
2,790	195	NNE	6.8
2,970	198	NNE	7.6
3,150	201	NNE	8.2
3,330	207	NNE	8.2
3,510	212	NNE	8.0
3,690	214	NE	7.9
3,870	222	NE	8.0
4,050	227	NE	8.0
4,230	228	NE	8.1
4,410	227	NE	8.2
4,590	223	NE	8.2
4,770	223	NE	8.7
4,950	223	NE	8.5
5,130	220	NE	8.5
5,310	218	NE	8.3
5,490	216	NE	8.5
5,670	213	NNE	8.6
5,850	209	NNE	7.9
6,030	209	NNE	7.2
6,210	209	NNE	8.2
6,390	206	NNE	8.8
6,570	200	NNE	9.2
6,750	198	NNE	11.8
6,930	199	NNE	11.8
7,110	199	NNE	11.2
7,290	201	NNE	12.8
7,470	202	NNE	14.2
7,650	201	NNE	15.9
7,830	201	NNE	15.7
8,010	201	NNE	15.0
8,190	202	NNE	14.8
8,370	207	NNE	12.0
8,550	215	NE	11.0
8,730	220	NE	12.0

Disappearance: Distance.

No. 787. Nov. 2, 1934; 14h. Clouds: 7 ACu NW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	250	ENE	3.0
216	269	E	3.0
414	136	NW	1.8
612	148	NNW	3.8
801	153	NNW	5.0
990	136	NW	5.8
1,170	132	NW	6.2
1,350	137	NW	7.0
1,530	139	NW	7.3
1,710	140	NW	6.5

No. 787—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,890	142	NW	6.2
2,070	140	NW	7.3
2,250	140	NW	9.8
2,430	147	NNW	10.7
2,610	155	NNW	9.7
2,790	156	NNW	8.8
2,970	149	NNW	8.7
3,150	141	NW	8.5
3,330	152	NNW	8.2
3,510	188	N	8.8
3,690	204	NNE	10.7
3,870	207	NNE	10.2
4,050	209	NNE	10.0
4,230	213	NNE	10.4
4,410	212	NNE	10.7
4,590	210	NNE	10.5
4,770	212	NNE	10.3
4,950	212	NNE	10.7
5,130	212	NNE	11.2
5,310	212	NNE	12.3
5,490	215	NE	12.0
5,670	218	NE	11.8
5,850	213	NNE	12.9
6,030	208	NNE	13.3
6,210	208	NNE	13.0

Disappearance: Cut off by ACu.

No. 788. Nov. 2, 1934; 20h 10m. Clouds: 8 ACu N, 1 ST Cu N. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	279	E	6.7
216	228	NE	5.8
414	182	N	7.2
612	169	N	7.3
801	171	N	7.0
990	176	N	7.2
1,170	185	N	5.6
1,350	201	NNE	4.7
1,530	207	NNE	5.2
1,710	203	NNE	5.5
1,890	191	N	5.7
2,070	179	N	6.0
2,250	172	N	6.5
2,430	168	NNW	6.5
2,610	165	NNW	6.3
2,790	168	NNW	5.8
2,970	174	N	5.5

Disappearance: Entered ACu 2,970 m.

No. 789. Nov. 3, 1934; 1h 50m. Clouds: 7 ACu NNW 2 St N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	7.6
216	245	ENE	9.1
414	206	NNE	8.3
612	178	N	10.4

Disappearance: Entered St, 612 m.

No. 790. Nov. 3, 1934; 14h 27m. Clouds: 10 St ENE. Lt. fog. Vis.: 3. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	284	ESE	9.4
216	241	ENE	9.5
414	222	NE	9.3
612	227	NE	8.2
801	238	ENE	8.5
990	243	ENE	9.3
1,170	243	ENE	9.2

Disappearance: Entered St, 1,170 m.

No. 791. Nov. 4, 1934; 9h 23m. Clouds: 9 StCu N. Vis.: 5. Lt. drift, lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	7.6
216	243	ENE	6.1
414	221	NE	4.0
612	213	NNE	4.1
801	219	NE	5.0
990	212	NNE	5.0
1,170	202	NNE	5.5
1,350	195	NNE	5.4
1,530	188	N	4.8

Disappearance: Entered StCu 1,530 m.

No. 792. Nov. 4, 1934; 20h 30m. Clouds: 10 St NNE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	268	E	5.8
216	241	ENE	4.8
414	203	NNE	3.7
612	197	NNE	4.4
706	198	NNE	4.8

Disappearance: Entered St, 706 m.

No. 793. Nov. 5, 1934; 8h 56m. Clouds: 10 St S. Vis.: 6. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	294	ESE	1.8
216	263	E	1.8
414	310	SE	1.7
612	331	SSE	2.7
801	355	S	3.0
990	3	S	3.0

Disappearance: Entered St, 990 m.

No. 794. Nov. 5, 1934; 16h 22m. Clouds: 5 StCu WSW, 5 St WSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	9	S	2.7
216	41	SW	3.5
414	66	WSW	3.9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 794—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	75	WSW	4.0
801	74	WSW	4.2
990	70	WSW	5.0
1,170	72	WSW	5.2
1,350	73	WSW	5.2

Disappearance: Entered St, 1,350 m.

No. 795. Nov. 5, 1934; 21h 45m. Clouds: 10 St SW. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	31	SSW	4.0
216	46	SW	4.7

Disappearance: Entered St, 216 m.

No. 796. Nov. 6, 1934; 8h 43m. Clouds: 10 St SSE. Lt. fog. Vis.: 6. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	342	SSE	2.2
216	352	S	1.4
414	346	SSE	3.7

Disappearance: Entered St, 414 m.

No. 797. Nov. 6, 1934; 20h 30m. Clouds: Few St W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	41	SW	2.2
216	51	SW	3.5
414	98	W	3.8
612	109	WNW	4.7
801	100	W	5.0
990	91	W	5.0
1,170	93	W	4.3
1,350	107	WNW	4.1
1,530	110	WNW	4.5
1,710	105	WNW	4.5
1,890	94	W	4.3
2,070	78	WSW	3.8
2,250	75	WSW	3.2
2,430	76	WSW	3.0
2,610	64	WSW	3.5
2,790	58	WSW	3.5
2,970	60	WSW	3.5
3,150	68	WSW	4.0
3,330	65	WSW	3.9
3,510	70	WSW	3.3
3,690	79	W	3.8
3,870	69	WSW	3.7
4,050	59	WSW	4.5
4,230	59	WSW	5.1
4,410	59	WSW	5.2
4,590	61	WSW	5.0
4,770	59	WSW	5.2
4,950	57	WSW	5.3
5,130	60	WSW	4.8
5,310	67	WSW	4.9
5,490	70	WSW	5.5
5,670	62	WSW	6.8

No. 797—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,850	62	WSW	7.6
6,030	68	WSW;	7.7
6,210	72	WSW	7.8
6,390	76	WSW	8.5
6,570	74	WSW	9.2
6,750	64	WSW	9.0
6,930	66	WSW	7.6
7,110	79	W	7.5
7,290	76	WSW	8.8
7,470	67	WSW	8.4
7,650	64	WSW	7.3
7,830	62	WSW	5.1
8,010	72	WSW	5.2
8,190	83	W	6.7
8,370	82	W	7.4
8,550	78	WSW	8.1
8,730	76	WSW	8.1
8,910	77	WSW	9.0

Disappearance: Lost owing to refraction by heat coming out of smokestack,

No. 798. Nov. 7, 1934; 3h 10m. Clouds: 10 St WSW. Lt. fog. Vis.: 3. Lt. fog and St formed after midnight

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	23	SSW	3.2
216	59	WSW	1.7

Disappearance: Entered St, 216 m.

No. 799. Nov. 7, 1934; 13h 42m. Clouds: 10 St NW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	65	WSW	2.2
216	114	WNW	2.2
315	132	NW	1.7

Disappearance: Entered St, 315 m.

No. 800. Nov. 8, 1934; 9h 40m. Clouds: 10 St S. Lt. fog. Vis.: 4

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	2.7
216	4	S	1.5

Disappearance: Entered St, 216 m.

No. 801. Nov. 8, 1934; 21h 24m. Clouds: 10 St SW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	11	S	4.0
216	29	SSW	3.2
414	52	SW	1.8

Disappearance: Entered St, 414 m.

No. 802. Nov. 9, 1934; 8h 30m. Clouds: 10 StCu NNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	1.0
216	74	WSW	1.6
414	76	WSW	5.5
612	97	W	6.1
801	152	NNW	9.8
990	166	NNW	14.0
1,170	167	NNW	14.0

Disappearance: Entered StCu, 1,170 m.

No. 803. Nov. 9, 1934; 19h 36m. Clouds: 9 St NW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	80	W	4.9
216	89	W	5.9
414	122	WNW	6.0
612	142	NW	8.0
706	146	NW	8.4

Disappearance: Entered St 706 m.

No. 804. Nov. 10, 1934; 8h 36m. Clouds: 8 StCu SSW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	355	S	4.5
216	359	S	6.9
414	14	SSW	7.9
612	18	SSW	8.8
801	16	SSW	9.5

Disappearance: Entered StCu, 801 m.

No. 805. Nov. 10, 1934; 13h 17m. Clouds: 1 St SSE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	308	SE	5.4
216	328	SSE	5.8
414	356	S	7.1
612	357	S	9.0
801	347	SSE	10.5
990	340	SSE	11.1
1,170	334	SSE	11.3
1,350	330	SSE	11.3
1,530	341	SSE	11.6
1,710	350	S	12.0
1,890	351	S	11.3
2,070	352	S	11.2
2,250	355	S	11.1
2,430	354	S	10.5
2,610	352	S	10.2
2,790	354	S	10.0

Disappearance: Background.

No. 806. Nov. 10, 1934; 21h 01m. Clouds: Few St SW. Vis.: 8. Heavy shower of ice crystals falling. 22° halo parhelia

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	5.8
216	28	SSW	10.4
414	41	SW	10.2
612	45	SW	10.1
801	45	SW	10.0
990	50	SW	10.0
1,170	53	SW	10.5
1,350	57	WSW	10.0
1,530	63	WSW	9.0
1,710	64	WSW	8.6
1,890	69	WSW	8.4
2,070	68	WSW	7.3
2,250	43	SW	7.1
2,430	29	SSW	7.6
2,610	26	SSW	7.5
2,790	26	SSW	7.6
2,970	26	SSW	7.1
3,150	30	SSW	6.5
3,330	37	SW	7.2
3,510	35	SW	7.0
3,690	26	SSW	4.9
3,870	27	SSW	5.5
4,050	30	SSW	6.1
4,230	26	SSW	5.7
4,410	25	SSW	5.8
4,590	26	SSW	5.0
4,770	29	SSW	4.0
4,950	31	SSW	5.0
5,130	24	SSW	5.3
5,310	24	SSW	5.9
5,490	32	SSW	5.8
5,670	33	SSW	5.3
5,850	32	SSW	4.2
6,030	36	SW	5.1
6,210	38	SW	7.0
6,390	39	SW	6.6

Disappearance: Bursting.

No. 807. Nov. 11, 1934; 6h 35m. Clouds: 0. Vis.: 8. Heavy shower of ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	35	SW	6.3
216	28	SSW	12.0
414	29	SSW	14.9
612	29	SSW	16.1
801	21	SSW	15.9
990	28	SSW	14.7
1,170	17	SSW	13.3
1,350	14	SSW	12.9
1,530	14	SSW	11.4
1,710	17	SSW	10.1
1,890	23	SSW	10.0
2,070	25	SSW	10.0
2,250	22	SSW	9.2
2,430	26	SSW	7.9
2,610	32	SSW	8.0
2,790	26	SSW	9.0
2,970	23	SSW	8.5
3,150	15	SSW	7.1

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 807—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,330	5	S	5.9
3,510	5	S	5.0
3,690	8	S	3.5
3,870	19	SSW	4.0
4,050	15	SSW	4.5
4,230	12	SSW	5.0
4,410	11	S	6.1
4,590	7	S	5.0
4,770	0	S	5.0
4,950	355	S	4.7
5,130	10	S	2.6
5,310	6	S	2.0
5,490	16	SSW	2.0

Disappearance: Distance.

No. 808. Nov. 11, 1934; 10h 29m. Clouds: 0. Vis.: 8. Heavy shower of ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	26	SSW	7.5
216	24	SSW	10.0
414	18	SSW	12.6
612	14	SSW	14.5
801	14	SSW	14.8
990	16	SSW	13.8
1,170	16	SSW	12.4
1,350	11	S	11.5
1,530	12	SSW	11.7
1,710	15	SSW	9.5
1,890	15	SSW	9.6
2,070	19	SSW	10.0
2,250	24	SSW	9.9
2,430	30	SSW	9.1
2,610	37	SW	8.3
2,790	38	SW	9.0
2,970	33	SSW	9.7
3,150	31	SSW	9.0
3,330	25	SSW	8.0
3,510	18	SSW	5.6
3,690	17	SSW	4.5
3,870	22	SSW	4.5
4,050	28	SSW	5.7
4,230	28	SSW	6.5
4,410	21	SSW	6.6
4,590	16	SSW	6.0
4,770	14	SSW	5.0
4,950	13	SSW	4.0
5,130	16	SSW	3.1
5,310	31	SSW	3.0
5,490	36	SW	3.0
5,670	32	SSW	3.0
5,850	27	SSW	2.1
6,030	37	SW	2.5
6,210	41	SW	3.9
6,390	37	SW	4.5
6,570	32	SSW	5.5
6,750	29	SSW	6.0
6,930	30	SSW	6.0
7,110	27	SSW	6.0
7,290	16	SSW	6.3
7,470	10	S	6.6

Disappearance: Bursting.

No. 809. Nov. 11, 1934; 19h 20m. Clouds: Few St SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	74	WSW	6.6
216	39	SW	14.3
414	35	SW	18.8
612	40	SW	19.0
801	42	SW	18.0
990	44	SW	17.8
1,170	46	SW	16.2
1,350	48	SW	15.8
1,530	49	SW	15.1
1,710	50	SW	15.0
1,890	48	SW	15.6
2,070	48	SW	14.0

Disappearance: Bursting.

No. 810. Nov. 12, 1934; 6h 50m. Clouds: Few StCu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	44	SW	1.1
216	72	WSW	10.2
414	76	WSW	12.3
612	79	W	13.3
801	81	W	14.0
990	82	W	14.5
1,170	82	W	12.6
1,350	86	W	9.4
1,530	89	W	8.2
1,710	90	W	7.9
1,890	86	W	8.5
2,070	69	WSW	9.0
2,250	49	SW	6.8
2,430	34	SW	3.7
2,610	42	SW	2.3
2,790	57	WSW	3.3
2,970	68	WSW	3.2
3,150	80	W	2.7
3,330	102	WNW	2.8
3,510	101	W	3.4
3,690	89	W	3.8
3,870	85	W	3.8
4,050	80	W	3.0
4,230	80	W	1.0
4,410	78	WSW	0.3
4,590	82	W	0.5
4,770	180	N	0.6
4,950	232	NE	1.9
5,130	225	NE	2.7
5,310	209	NNE	2.8
5,490	229	NE	2.7
5,670	247	ENE	2.7
5,850	224	NE	1.8
6,030	235	NE	3.2
6,210	229	NE	3.4
6,390	194	NNE	2.5
6,570	225	NE	2.4
6,750	244	ENE	3.0
6,930	241	ENE	2.6
7,110	255	ENE	3.2
7,290	246	ENE	4.7
7,470	229	NE	4.3
7,650	209	NNE	2.9
7,830	194	NNE	2.5
8,010	201	NNE	2.1
8,190	204	NNE	1.5
8,370	183	N	1.0

Disappearance: Bursting.

No. 811. Nov. 12, 1934; 10h 35m. Clouds: Few StCu WNW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	211	NNE	3.2
216	89	W	6.7
414	88	W	12.9
612	95	W	13.8
801	101	W	13.7
990	102	WNW	13.2
1,170	96	W	11.9
1,350	89	W	11.0
1,530	83	W	11.6
1,710	82	W	11.7
1,890	87	W	8.5
2,070	97	W	8.9
2,250	137	NW	3.3
2,430	150	NNW	2.8
2,610	110	WNW	2.9
2,790	106	WNW	3.6
2,970	89	W	4.2
3,150	80	W	3.1
3,330	100	W	1.9
3,510	112	WNW	1.5

Disappearance: Lost owing to refraction by heat coming out of smokestack.

No. 812. Nov. 13, 1934; 14h 15m. Clouds: 10 St N. Vis.: 6. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	228	NE	1.5
216	192	NNE	3.5
414	183	N	5.3
612	182	N	5.9
801	184	N	6.3
990	182	N	6.3

Disappearance: Entered St, 990 m.

No. 813. Nov. 13, 1934; 20h 25m. Clouds: 10 St NE. Vis.: 7. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	287	ESE	7.2
216	269	E	8.9
414	261	E	8.0
612	258	ENE	7.3
801	248	ENE	6.1
990	228	NE	5.0
1,170	226	NE	5.0
1,350	230	NE	5.5

Disappearance: Entered St, 1,350 m.

No. 814. Nov. 14, 1934; 9h 38m. Clouds: Few StCu ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	280	E	6.7
216	292	ESE	8.1
414	299	ESE	5.5

No. 814—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	296	ESE	5.4
801	288	ESE	6.0
990	274	E	5.5
1,170	257	ENE	4.7
1,350	246	ENE	5.2
1,530	254	ENE	5.6
1,710	275	E	4.5
1,890	320	SE	5.4
2,070	340	SSE	8.4
2,250	312	SE	9.9
2,430	295	ESE	10.0
2,610	289	ESE	10.5
2,790	287	ESE	11.4
2,970	289	ESE	11.1
3,150	293	ESE	11.0
3,330	295	ESE	11.0

Disappearance: Background. Sky cleared rapidly this morning.

No. 815. Nov. 14, 1934; 15h 57m. Clouds: 6 ACu SE, 1 ASt SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	350	S	3.1
216	322	SE	4.6
414	324	SE	4.3
612	345	SSE	4.5
801	336	SSE	4.9
990	339	SSE	5.1
1,170	339	SSE	4.9
1,350	335	SSE	5.7
1,530	330	SSE	4.3
1,710	322	SE	2.5
1,890	308	SE	3.2
2,070	317	SE	5.0
2,250	322	SE	7.2
2,430	319	SE	7.8
2,610	318	SE	8.3
2,790	319	SE	8.9

Disappearance: Entered ACu, 2,790 m.

No. 816. Nov. 15, 1934; 3h 15m. Clouds: Few ACu SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	45	SW	3.3
216	26	SSW	4.3
414	47	SW	2.3
612	25	SSW	2.2
801	18	SSW	2.6
990	351	S	2.7
1,170	324	SE	2.6
1,350	326	SE	4.8
1,530	328	SSE	7.4
1,710	323	SE	11.0
1,890	322	SE	13.2
2,070	324	SE	12.7
2,250	326	SE	12.2
2,430	325	SE	11.4
2,610	325	SE	12.2
2,790	325	SE	14.2

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 816—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,970	327	SSE	15.8
3,150	329	SSE	16.4
3,330	328	SSE	16.2

Disappearance: Lost.

No. 817. Nov. 15, 1934; 7h 58m. Clouds: Few ASt SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	6	S	2.9
216	330	SSE	2.7
414	326	SE	4.5
612	328	SSE	7.1
801	335	SSE	8.2
990	344	SSE	8.8
1,170	343	SSE	9.0
1,350	338	SSE	9.6
1,530	334	SSE	9.8
1,710	328	SSE	10.2
1,890	318	SE	11.2
2,070	320	SE	11.9
2,250	327	SSE	11.7
2,430	323	SE	11.5
2,610	325	SE	12.5
2,790	328	SSE	13.5

Disappearance: Lost.

No. 818. Nov. 15, 1934; 12h 47m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	356	S	5.4
216	5	S	2.7
414	347	SSE	2.4
612	324	SE	3.0
801	327	SSE	5.5
990	331	SSE	8.6
1,170	334	SSE	9.1
1,350	342	SSE	9.3
1,530	353	S	11.0
1,710	353	S	11.9
1,890	348	SSE	11.8
2,070	346	SSE	11.5
2,250	347	SSE	11.7
2,430	344	SSE	12.8
2,610	341	SSE	13.9
2,790	340	SSE	14.5
2,970	337	SSE	14.1
3,150	335	SSE	14.4
3,330	337	SSE	15.0
3,510	337	SSE	14.5
3,690	330	SSE	15.0
3,870	328	SSE	16.6
4,050	328	SSE	18.8
4,230	329	SSE	21.0
4,410	327	SSE	21.9
4,590	323	SE	22.0
3,770	323	SE	23.6
4,950	324	SE	26.1
5,130	325	SE	26.4
5,310	325	SE	26.0

Disappearance: Distance.

No. 819. Nov. 15, 1934; 20h 15m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	330	SSE	2.0
216	269	E	6.0
414	290	ESE	4.7
612	332	SSE	7.0
801	334	SSE	9.2
990	333	SSE	9.3
1,170	334	SSE	10.8
1,350	336	SSE	12.0
1,530	340	SSE	13.0
1,710	342	SSE	13.7
1,890	342	SEE	13.5
2,070	344	SSE	13.1
2,250	345	SSE	13.2
2,430	345	SSE	13.6
2,610	349	S	13.6
2,790	350	S	14.6
2,970	350	S	15.2
3,150	351	S	15.4
3,330	347	SSE	15.6
3,510	353	S	14.3
3,690	358	S	14.2
3,870	353	S	15.0
4,050	353	S	16.5
4,230	356	S	17.1
4,410	357	S	17.8
4,590	356	S	19.0

Disappearance: Distance.

No. 820. Nov. 16, 1934; 9h. Clouds: 0. Vis.: 8. Shower ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	25	SSW	7.6
216	0	S	12.3
414	351	S	12.0
612	348	SSE	10.0
801	341	SSE	9.3
990	339	SSE	8.3
1,170	344	SSE	7.6
1,350	351	S	8.0
1,530	357	S	9.3
1,710	358	S	10.4
1,890	356	S	10.4
2,070	344	SSE	9.5
2,250	331	SSE	8.5
2,430	331	SSE	7.4
2,610	340	SSE	6.4
2,790	342	SSE	5.8
2,970	341	SSE	5.7
3,150	344	SSE	6.0
3,330	349	S	6.3
3,510	359	S	6.5
3,690	6	S	7.7
3,870	0	S	8.5
4,050	356	S	7.9
4,230	355	S	7.7
4,410	354	S	8.6
4,590	357	S	8.5
4,770	6	S	8.6
4,950	7	S	9.5
5,130	5	S	9.8

Disappearance: Distance.

No. 821. Nov. 16, 1934; 15h. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	5.4
216	3	S	5.4
414	338	SSE	3.5
612	342	SSE	3.9
801	6	S	4.3
990	13	SSW	6.0
1,170	5	S	7.0
1,350	353	S	7.7
1,530	352	S	7.5
1,710	354	S	7.2
1,890	352	S	8.0
2,070	353	S	8.3
2,250	353	S	8.0
2,430	348	SSE	8.0
2,610	349	S	8.1
2,790	355	S	7.5
2,970	357	S	7.1
3,150	356	S	7.0
3,330	349	S	6.5
3,510	345	SSE	6.4
3,690	346	SSE	7.2
3,870	343	SSE	7.3
4,050	335	SSE	7.0
4,230	324	SE	7.0
4,410	317	SE	6.5
4,590	323	SE	6.1
4,770	329	SSE	6.0
4,950	324	SE	6.2
5,130	326	SE	7.0
5,310	329	SSE	7.0
5,490	332	SSE	6.6
5,670	328	SSE	7.0
5,850	316	SE	7.5
6,030	307	SE	7.5
6,210	301	ESE	7.1
6,390	300	ESE	7.9
6,570	298	ESE	8.0
6,750	298	ESE	7.6
6,930	307	SE	6.8
7,110	316	SE	6.0

Disappearance: Distance.

No. 822. Nov. 16, 1934; 22h 45m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	38	SW	1.8
216	221	NE	1.4
414	300	ESE	2.7
612	333	SSE	4.1
801	331	SSE	5.5
990	327	SSE	7.5
1,170	327	SSE	8.2
1,350	326	SE	9.0
1,530	326	SE	9.0
1,710	321	SE	8.8
1,890	315	SE	8.5
2,070	307	SE	8.4
2,250	301	ESE	8.5
2,430	294	ESE	8.9
2,610	284	ESE	9.2
2,790	275	E	10.2
2,970	274	E	10.4
3,150	282	ESE	9.1
3,330	290	ESE	9.6
3,510	288	ESE	10.1
3,690	287	ESE	8.5

No. 822—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,870	287	ESE	8.0
4,050	285	ESE	9.2
4,230	284	ESE	9.5
4,410	282	ESE	8.8
4,590	282	ESE	8.0
4,770	283	ESE	8.5
4,950	288	ESE	9.4
5,130	293	ESE	9.0
5,310	297	ESE	9.0
5,490	299	ESE	9.6
5,670	296	ESE	9.4
5,850	294	ESE	9.0
6,030	293	ESE	9.0
6,210	291	ESE	9.0
6,390	289	ESE	9.0

Disappearance: Bursting.

No. 823. Nov. 17, 1934; 8h 40m. Clouds: 1 ASt SE. Vis.: 9.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	2.2
216	260	E	3.5
414	261	E	2.0
612	310	SE	1.2
801	352	S	1.8
990	334	SSE	1.2
1,170	329	SSE	1.8
1,350	328	SSE	3.0
1,530	318	SE	4.3
1,710	315	SE	4.5
1,890	320	SE	4.3
2,070	322	SE	5.3
2,250	319	SE	5.5
2,430	315	SE	5.8
2,610	312	SE	5.9
2,790	308	SE	6.1
2,970	309	SE	7.2
3,150	316	SE	8.3
3,330	317	SE	8.5
3,510	317	SE	9.2
3,690	321	SE	9.5
3,870	322	SE	8.8

Disappearance: Bursting.

No. 824. Nov. 17, 1934; 13h 55m. Clouds: 8 ASt S, 1 St Cu NNW. Partial 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	271	E	5.4
216	184	N	6.7
414	167	NNW	9.6
612	165	NNW	9.9
801	167	NNW	7.9
990	165	NNW	4.5
1,170	156	NNW	2.5
1,350	104	WNW	1.1
1,530	71	WSW	0.7
1,710	39	SW	0.8
1,890	28	SSW	2.0
2,070	26	SSW	2.9
2,250	14	SSW	2.6
2,430	5	S	2.8
2,610	359	S	2.8
2,790	351	S	2.0

Disappearance: Entered ASt, 2,790 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 825. Nov. 18, 1934; 9h 36m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	359	S	3. 6
216	0	S	4. 5
414	2	S	5. 0
612	8	S	5. 3
801	6	S	5. 4
990	0	S	6. 1
1, 170	347	SSE	6. 4
1, 350	334	SSE	7. 0
1, 530	332	SSE	8. 3
1, 710	325	SE	9. 0
1, 890	318	SE	8. 9
2, 070	312	SE	9. 0
2, 250	309	SE	9. 3
2, 430	306	SE	9. 8
2, 610	308	SE	9. 6
2, 790	314	SE	10. 0
2, 970	314	SE	10. 3

Disappearance: Bursting (?).

No. 826. Nov. 18, 1934; 11h 37m. Clouds: Few ASt S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	4. 0
216	20	SSW	3. 5
414	19	SSW	3. 5
612	13	SSW	3. 7
801	353	S	5. 6
990	341	SSE	7. 2
1, 170	335	SSE	7. 2
1, 350	334	SSE	6. 9
1, 530	327	SSE	7. 0
1, 710	318	SE	6. 7
1, 890	328	SSE	6. 7
2, 070	335	SSE	7. 5
2, 250	322	SE	7. 8
2, 430	321	SE	7. 7
2, 610	318	SE	7. 5

Disappearance: Lost in sun.

No. 827. Nov. 18, 1934; 19h 04m. Clouds: Few Ci ESE, Few ASt SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	59	WSW	2. 7
216	20	SSW	5. 5
414	18	SSW	5. 5
612	12	SSW	4. 2
801	0	S	3. 3
990	337	SSE	3. 5
1, 170	324	SE	4. 8
1, 350	331	SSE	5. 1
1, 530	350	S	4. 6
1, 710	351	S	6. 0
1, 890	339	SSE	6. 8
2, 070	326	SE	7. 1
2, 250	322	SE	7. 9
2, 430	313	SE	7. 1
2, 610	313	SE	8. 5
2, 790	314	SE	10. 5
2, 970	306	SE	11. 0
3, 150	310	SE	11. 9
3, 330	311	SE	12. 2
3, 510	308	SE	12. 8

No. 827—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 690	308	SE	12. 6
3, 870	309	SE	13. 2
4, 050	309	SE	14. 3
4, 230	311	SE	14. 3
4, 410	311	SE	15. 0
4, 590	309	SE	14. 6
4, 770	307	SE	14. 7
4, 950	301	ESE	15. 6
5, 130	297	ESE	15. 9
5, 310	294	ESE	16. 1
5, 490	293	ESE	16. 6
5, 670	293	ESE	16. 2
5, 850	291	ESE	16. 0

Disappearance: Distance.

No. 828. Nov. 19, 1934; 0h 24m. Clouds: 2 Ci, 2 ASt ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	355	S	2. 5
216	296	ESE	3. 7
414	318	SE	3. 0
612	330	SSE	3. 0
801	341	SSE	3. 0
990	0	S	3. 3
1, 170	345	SSE	3. 8
1, 350	319	SE	5. 0
1, 530	308	SE	5. 6
1, 710	310	SE	6. 3
1, 890	318	SE	6. 8
2, 070	318	SE	6. 7
2, 250	320	SE	7. 1
2, 430	323	SE	7. 7
2, 610	326	SE	8. 3
2, 790	327	SSE	9. 1
2, 970	321	SE	9. 7
3, 150	316	SE	10. 5
3, 330	314	SE	11. 3
3, 510	313	SE	11. 9
3, 690	311	SE	12. 5
3, 870	313	SE	13. 0
4, 050	311	SE	13. 6
4, 230	312	SE	13. 8
4, 410	311	SE	14. 0
4, 590	307	SE	14. 7
4, 770	301	ESE	15. 5
4, 950	301	ESE	15. 0
5, 130	301	ESE	14. 2

Disappearance: Entered ASt, 5,130 m.

No. 829. Nov. 19, 1934; 8h 51m. Clouds: 4 Ci SE, 4 CiSt SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	317	SE	1. 8
216	211	NNE	1. 4
414	169	N	1. 9
612	161	NNW	0. 9
801	122	WNW	0. 6
990	34	SW	0. 6
1, 170	354	S	0. 8
1, 350	354	S	1. 2
1, 530	7	S	1. 2
1, 710	0	S	1. 4
1, 890	357	S	2. 5

No. 829—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 070	359	S	3. 1
2, 250	354	S	3. 2
2, 430	0	S	3. 5
2, 610	359	S	3. 5
2, 790	348	SSE	4. 1
2, 970	342	SSE	5. 8
3, 150	341	SSE	7. 0
3, 330	337	SSE	7. 4
3, 510	327	SSE	8. 7
3, 690	323	SE	10. 0
3, 870	322	SE	10. 5
4, 050	320	SE	11. 1
4, 230	316	SE	11. 8
4, 410	314	SE	13. 3
4, 590	315	SE	14. 7
4, 770	318	SE	15. 8
4, 950	320	SE	16. 5

Disappearance: Background.

No. 830. Nov. 19, 1934; 14h 32m. Clouds: Few Ci SE, 1 CiSt SE. 1 ASt SSE, 7 StCu NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	294	ESE	3. 6
216	239	ENE	2. 4
414	177	N	2. 1
612	169	N	2. 3
801	152	NNW	2. 1
990	139	NW	2. 8
1, 170	131	NW	2. 9
1, 350	126	NW	2. 7

Disappearance: Entered StCu 1,350 m.

No. 831. Nov. 21, 1934; 9h 53m. Clouds: Few ASt ESE. Vis.: 8. Very lt. drift.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	279	E	8. 9
216	274	E	9. 9
414	259	E	7. 1
612	247	ENE	5. 3
801	249	ENE	4. 7
990	252	ENE	4. 4
1, 170	255	ENE	4. 2
1, 350	262	E	4. 2
1, 530	267	E	4. 3
1, 710	274	E	4. 5
1, 890	281	E	5. 2
2, 070	282	ESE	6. 5
2, 250	280	E	7. 3
2, 430	277	E	7. 0

Disappearance: drift melting on object lens.

No. 832. Nov. 21, 1934; 13h 22m. Clouds: Few Cu E. Vis.: 9. Very lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	7. 6
216	276	E	9. 5
414	276	E	6. 1

No. 832—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	289	ESE	3. 8
801	297	ESE	3. 9
990	298	ESE	4. 0
1, 170	298	ESE	3. 9
1, 350	296	ESE	4. 2
1, 530	292	ESE	4. 4
1, 710	289	ESE	4. 5
1, 890	282	ESE	4. 8
2, 070	274	E	4. 7
2, 250	274	E	4. 4
2, 430	263	E	4. 1
2, 610	250	ENE	4. 3
2, 790	254	ENE	5. 1
2, 970	255	ENE	5. 5
3, 150	254	ENE	5. 9
3, 330	252	ENE	6. 2
3, 510	246	ENE	6. 2
3, 690	249	ENE	6. 6
3, 870	257	ENE	6. 7
4, 050	261	E	6. 6
4, 230	261	E	7. 0
4, 410	261	E	7. 1
4, 590	261	E	7. 1
4, 770	253	ENE	7. 5
4, 950	260	E	8. 7
5, 130	265	E	9. 3
5, 310	258	ENE	9. 9
5, 490	258	ENE	10. 2
5, 670	258	ENE	10. 5
5, 850	257	ENE	14. 7
6, 030	259	E	15. 5
6, 210	266	E	12. 3
6, 390	265	E	12. 3
6, 570	265	E	12. 4
6, 750	268	E	12. 2
6, 930	265	E	12. 5
7, 110	256	ENE	12. 5
7, 290	253	ENE	11. 5
7, 470	272	E	12. 0
7, 650	265	E	13. 0
7, 830	262	E	11. 2
8, 010	265	E	10. 0

Disappearance: Bursting (?).

No. 833. Nov. 21, 1934; 19h 20m. Clouds: Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	19	SSW	2. 0
216	312	SE	3. 9
414	339	SSE	4. 1
612	322	SE	5. 0
801	310	SE	5. 0
990	320	SE	4. 0
1, 170	336	SSE	4. 0
1, 350	342	SSE	4. 4
1, 530	333	SSE	4. 3
1, 710	316	SE	4. 2
1, 890	308	SE	5. 1
2, 070	298	ESE	6. 0
2, 250	285	ESE	5. 5
2, 430	277	E	4. 6
2, 610	272	E	3. 7
2, 790	269	E	3. 6
2, 970	278	E	4. 0
3, 150	275	E	4. 5
3, 330	267	E	5. 0
3, 510	259	E	4. 8
3, 690	248	ENE	5. 2

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 833—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,870	254	ENE	5.7
4,050	261	E	6.2
4,230	261	E	6.5
4,410	258	ENE	7.0
4,590	259	E	7.1
4,770	258	ENE	6.7
4,950	251	ENE	6.2
5,130	254	ENE	5.2
5,310	263	E	6.9
5,490	263	E	6.9
5,670	258	ENE	6.1
5,850	259	E	5.7
6,030	262	E	5.5
6,210	268	E	5.1
6,390	278	E	5.1
6,570	277	E	6.1
6,750	271	E	8.2
6,930	272	E	9.9
7,110	273	E	10.0
7,290	271	E	8.9
7,470	269	E	8.1
7,650	271	E	7.7
7,830	273	E	8.5
8,010	275	E	9.0
8,190	280	E	7.9
8,370	286	ESE	6.1
8,550	283	ESE	5.8
8,730	284	ESE	6.2
8,910	287	ESE	5.6

Disappearance: Distance.

No. 834. Nov. 21, 1934; 21h 46m. Clouds: (?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	2.7
216	309	SE	4.4
414	325	SE	4.0
612	327	SSE	4.0
801	324	SE	4.2
990	334	SSE	4.9
1,170	335	SSE	4.8
1,350	335	SSE	4.9
1,530	335	SSE	4.9
1,710	331	SSE	5.0
1,890	332	SSE	5.0
2,070	328	SSE	5.3
2,250	313	SE	4.5
2,430	296	ESE	4.2
2,610	286	ESE	4.5
2,790	286	ESE	4.6

Disappearance: (?).

No. 835. Nov. 22, 1934; 3h 48m. Clouds: Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	61	WSW	2.5
216	301	ESE	1.8
414	319	SE	2.5
612	358	S	2.5
801	8	S	2.5
990	41	SW	2.0
1,170	35	SW	2.1
1,350	10	S	2.7
1,530	351	S	3.0
1,710	339	SSE	4.3

No. 835—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,890	330	SSE	5.4
2,070	328	SSE	6.3
2,250	324	SE	5.9
2,430	319	SE	5.1
2,610	319	SE	5.7
2,790	314	SE	5.9
2,970	300	ESE	5.7
3,150	284	ESE	5.8
3,330	279	E	5.9
3,510	278	E	6.0
3,690	274	E	6.0
3,870	267	E	5.9
4,050	262	E	6.0
4,230	261	E	6.3
4,410	264	E	6.4
4,590	265	E	6.2
4,770	273	E	7.2
4,950	277	E	8.0
5,130	268	E	6.0
5,310	270	E	5.5
5,490	279	E	6.5
5,670	282	ESE	6.6
5,850	283	ESE	7.1
6,030	282	ESE	7.5
6,210	279	E	7.7
6,390	280	E	8.2
6,570	284	ESE	7.9
6,750	287	ESE	8.3
6,930	285	ESE	9.6
7,110	283	ESE	9.5
7,290	284	ESE	10.0
7,470	282	ESE	9.8
7,650	284	ESE	8.7
7,830	284	ESE	7.6
8,010	282	ESE	7.0
8,190	283	ESE	7.4
8,370	287	ESE	6.6
8,550	286	ESE	5.3
8,730	285	ESE	5.3
8,910	285	ESE	4.8
9,090	285	ESE	3.8
9,270	285	ESE	3.2

Disappearance: Bursting.

No. 836. Nov. 22, 1934; 9h 00m. Clouds: Few Ci, Few St SSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	0	S	2.9
216	350	S	6.5
414	349	S	5.5
612	4	S	3.1
801	24	SSW	5.4
990	24	SSW	4.9
1,170	15	SSW	4.9
1,350	350	S	5.4
1,530	334	SSE	6.7
1,710	329	SSE	7.0
1,890	330	SSE	7.2
2,070	333	SSE	6.7
2,250	331	SSE	6.0
2,430	326	SE	5.4
2,610	325	SE	5.0
2,790	333	SSE	4.1
2,970	338	SSE	3.5
3,150	340	SSE	2.9
3,330	340	SSE	2.5
3,510	328	SSE	2.3
3,690	321	SE	2.2

No. 836—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,870	302	ESE	2.2
4,050	279	E	2.5
4,230	277	E	3.2
4,410	279	E	3.9
4,590	274	E	4.5
4,770	274	E	4.2
4,950	288	ESE	4.2
5,130	290	ESE	5.1
5,310	287	ESE	5.3
5,490	286	ESE	5.0
5,670	281	E	4.8
5,850	272	E	5.5
6,030	265	E	5.7
6,210	264	E	5.3
6,390	278	E	6.0
6,570	285	ESE	7.3
6,750	284	ESE	8.7
6,930	290	ESE	9.3
7,110	287	ESE	9.3
7,290	283	ESE	9.8
7,470	282	ESE	8.7
7,650	283	ESE	8.0
7,830	280	E	7.5
8,010	279	E	6.5
8,190	288	ESE	6.0
8,370	285	ESE	5.8
8,550	281	E	5.7
8,730	286	ESE	5.3
8,910	286	ESE	5.0

Disappearance: Bursting.

No. 837. Nov. 22, 1934; 20h 20m. Clouds: 10 St S. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	286	ESE	1.8
216	348	SSE	1.2
414	332	SSE	1.3
513	3	S	1.0

Disappearance: Entered St, 513 m.

No. 838. Nov. 23, 1934; 9h 00m. Clouds: Few Ci ESE, Few ASt SSE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	8	S	4.5
216	339	SSE	4.2
414	309	SE	6.0
612	311	SE	6.1
801	320	SE	5.8
990	323	SE	5.5
1,170	326	SE	5.4
1,350	322	SE	5.6
1,530	321	SE	6.1
1,710	325	SE	6.8
1,890	331	SSE	6.8
2,070	326	SE	6.5
2,250	319	SE	6.5
2,430	323	SE	6.4
2,610	326	SE	6.3
2,790	327	SSE	5.4
2,970	333	SSE	5.1
3,150	339	SSE	5.6
3,330	343	SSE	5.7

Disappearance: Poor visibility aloft.

No. 839. Nov. 23, 1934; 14h 04m. Clouds: Few Ci ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	57	WSW	2.2
216	6	S	3.5
414	332	SSE	4.7
612	328	SSE	6.0
801	337	SSE	7.1
990	340	SSE	7.3
1,170	335	SSE	7.1
1,350	333	SSE	7.3
1,530	338	SSE	6.6
1,710	343	SSE	6.1
1,890	344	SSE	6.3
2,070	343	SSE	6.5
2,250	347	SSE	6.0
2,430	353	S	5.5
2,610	357	S	5.6
2,790	1	S	5.8
2,970	4	S	5.5
3,150	1	S	5.5
3,330	1	S	5.4
3,510	0	S	5.2
3,690	359	S	5.8
3,870	358	S	6.3
4,050	357	S	6.3
4,230	1	S	6.1
4,410	1	S	5.8
4,590	355	S	5.8
4,770	339	SSE	5.1
4,950	322	SE	4.2
5,130	318	SE	3.9
5,310	319	SE	3.7
5,490	321	SE	4.0
5,670	317	SE	4.1
5,850	307	SE	4.3
6,030	307	SE	4.5
6,210	310	SE	5.5
6,390	303	ESE	5.5
6,570	296	ESE	3.6
6,750	293	ESE	3.5
6,930	289	ESE	4.0
7,110	284	ESE	4.2
7,290	274	E	3.7
7,470	275	E	3.7
7,650	283	ESE	4.5
7,830	287	ESE	4.6
8,010	282	ESE	4.9
8,190	282	ESE	5.5
8,370	283	ESE	5.2
8,550	283	ESE	4.7
8,730	288	ESE	5.1
8,910	285	ESE	4.7
9,090	284	ESE	5.0
9,270	287	ESE	6.0

Disappearance: Bursting ?.

No. 840. Nov. 23, 1934; 20h 27m. Clouds: 1 Ci SE, 1 CiSt. SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	25	SSW	4.9
216	10	S	7.5
414	5	S	7.5
612	3	S	8.8
801	0	S	9.7
990	352	S	9.8
1,170	347	SSE	10.0
1,350	345	SSE	9.8
1,530	344	SSE	9.2
1,710	346	SSE	8.5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 840—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 890	347	SSE	7. 0
2, 070	348	SSE	5. 4
2, 250	359	S	5. 5
2, 430	359	S	5. 1
2, 610	355	S	4. 5
2, 790	341	SSE	3. 2
2, 970	341	SSE	3. 0
3, 150	354	S	3. 8
3, 330	0	S	4. 0
3, 510	358	S	4. 1
3, 690	347	SSE	4. 6
3, 870	343	SSE	4. 5
4, 050	341	SSE	4. 0

Disappearance: Insufficient light.

No. 841. Nov. 24, 1934; 11h 05m. Clouds: 3 StCu WSW. Vis.: 8. Heavy shower ice crystals. Parhelia

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	38	SW	3. 6
216	60	WSW	4. 0
414	92	W	4. 3
612	90	W	5. 2
801	82	W	4. 5
990	64	WSW	2. 5
1, 170	32	SSW	2. 2
1, 350	41	SW	3. 0
1, 530	40	SW	3. 0
1, 710	39	SW	3. 4
1, 890	45	SW	3. 9
2, 070	51	SW	3. 6
2, 250	60	WSW	3. 9
2, 430	74	WSW	4. 2
2, 610	75	WSW	5. 1
2, 790	65	WSW	6. 5
2, 970	60	WSW	7. 8
3, 150	62	WSW	8. 3
3, 330	67	WSW	9. 3
3, 510	70	WSW	10. 1
3, 690	70	WSW	10. 2
3, 870	72	WSW	11. 2
4, 050	79	W	12. 0
4, 230	73	WSW	12. 8
4, 410	67	WSW	12. 7
4, 590	70	WSW	12. 4
4, 770	75	WSW	12. 2
4, 950	75	WSW	12. 9
5, 130	71	WSW	14. 5
5, 310	69	WSW	15. 0
5, 490	70	WSW	14. 8
5, 670	66	WSW	15. 2
5, 850	64	WSW	15. 6

Disappearance: Cut off by StCu.

No. 842. Nov. 24, 1934; 16h 20m. Clouds: Few ASt W, Few StCu W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	101	W	2. 5
216	86	W	4. 8
414	98	W	6. 0
612	92	W	6. 9
801	85	W	6. 6

No. 842—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	81	W	6. 0
1, 170	76	WSW	5. 5
1, 350	85	W	5. 4
, 530	94	W	5. 9
1, 710	89	W	6. 1
1, 890	84	W	6. 3
2, 070	83	W	6. 4
2, 250	88	W	6. 2
2, 430	88	W	6. 8
2, 610	83	W	7. 8
2, 790	80	W	8. 3
2, 970	73	WSW	8. 7
3, 150	71	WSW	9. 4
3, 330	67	WSW	10. 0
3, 510	65	WSW	9. 4
3, 690	68	WSW	8. 3
3, 870	73	WSW	7. 8
4, 050	79	W	7. 9
4, 230	80	W	8. 8
4, 410	78	WSW	9. 7
4, 590	72	WSW	10. 0
4, 770	75	WSW	10. 4
4, 950	77	WSW	10. 5
5, 130	82	W	10. 3
5, 310	83	W	10. 0

Disappearance: Distance.

No. 843. Nov. 26, 1934; 17h 00m. Clouds: 1 Ci N, 4 StCu N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	188	N	7. 6
216	170	N	11. 0
414	162	NNW	12. 5
612	162	NNW	14. 3
801	164	NNW	13. 9
990	167	NNW	13. 2
1, 170	170	N	12. 9
1, 350	164	NNW	13. 8
1, 530	164	NNW	13. 8
1, 710	169	N	12. 7
1, 890	168	NNW	12. 5

Disappearance: Behind smokestack. Wind apparently from the N up to the cirrus level.

No. 844. Nov. 26, 1934; 20h 42m. Clouds: 9 StCu NNE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	167	NNW	6. 7
216	163	NNW	9. 9
414	160	NNW	10. 0
612	159	NNW	9. 8
801	156	NNW	11. 0
990	154	NNW	13. 6
1, 170	158	NNW	15. 2
1, 350	161	NNW	15. 9
1, 530	162	NNW	16. 5
1, 710	165	NNW	15. 3
1, 890	173	N	13. 0
2, 070	189	N	13. 0
2, 160	195	NNE	14. 5

Disappearance: Entered StCu, 2160m.

No. 845. Nov. 27, 1934; 8h 25m. Clouds: Few Ci NW, 1 StCu NNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	205	NNE	4. 9
216	181	N	8. 0
414	173	N	8. 5
612	178	N	7. 4
801	176	N	6. 7
990	172	N	8. 7
1, 170	169	N	11. 1
1, 350	168	NNW	12. 5
1, 530	162	NNW	13. 2
1, 710	157	NNW	14. 3
1, 890	155	NNW	15. 0

Disappearance: Behind smokestack.

No. 846. Nov. 27, 1934; 9h 35m. Clouds: 4 StCu N, 4 St N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	197	NNE	3. 6
216	180	N	7. 5
414	183	N	8. 4
612	181	N	8. 7
801	175	N	9. 5
990	173	N	10. 3

Disappearance: Entered St, 990 m. Attempt was made to get a higher altitude than the previous one but clouds moved in very rapidly.

No. 847. Nov. 28, 1934; 8h 39m. Clouds: 10 ASt (NE?). Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	288	ESE	9. 8
216	275	E	12. 8
414	270	E	12. 2
612	265	E	8. 5
801	257	ENE	6. 0
990	254	ENE	5. 6
1, 170	252	ENE	5. 1
1, 350	249	ENE	4. 8

Disappearance: Cut off by drifting snow.

No. 848. Nov. 28, 1934; 14h 20m. Clouds: 3 Ci NE, 3 ASt NE, 2 St E

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	285	ESE	9. 4
216	284	ESE	13. 8
414	279	E	13. 0
612	279	E	10. 1
801	285	ESE	6. 5
990	310	SE	4. 2
1, 170	320	SE	4. 1
1, 350	311	SE	4. 2
1, 530	303	ESE	5. 2
1, 710	296	ESE	6. 1
1, 890	287	ESE	6. 5
2, 070	289	ESE	7. 7
2, 250	277	E	9. 0

Disappearance: Entered St ?, 2,250 m.

No. 849. Nov. 29, 1934; 9h 12m. Clouds: 5 CiSt E. 4 ASt E. Vis.: 8. 22° solar halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	316	SE	4. 9
216	301	ESE	10. 1
414	297	ESE	11. 7
612	299	ESE	9. 7
801	301	ESE	9. 0
990	304	SE	7. 7
1, 170	311	SE	8. 1
1, 350	313	SE	9. 1
1, 530	313	SE	9. 4
1, 710	313	SE	9. 1
1, 890	305	SE	7. 7
2, 070	294	ESE	6. 8
2, 250	285	ESE	7. 4
2, 430	277	E	7. 8
2, 610	271	E	8. 2
2, 790	268	E	8. 5
2, 970	270	E	8. 7
3, 150	273	E	9. 2
3, 330	270	E	9. 0
3, 510	269	E	8. 1
3, 690	265	E	8. 0
3, 870	267	E	4. 5
4, 050	275	E	4. 0

Disappearance: Entered ASt, 4,050 m.

No. 850. Nov. 29, 1934; 18h 55m. Clouds: 9 ASt ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	322	SE	6. 7
216	308	SE	7. 2
414	300	ESE	9. 3
612	303	ESE	7. 2
801	300	ESE	6. 0
990	280	E	4. 0
1, 170	263	E	3. 1
1, 350	262	E	3. 6
1, 530	266	E	4. 9
1, 710	267	E	5. 0
1, 890	269	E	5. 3
2, 070	272	E	5. 0
2, 250	265	E	4. 9
2, 430	257	ENE	5. 3
2, 520	251	ENE	5. 5

Disappearance: Entered ASt, 2,520 m.

No. 851. Nov. 30, 1934; 15h 38m. Clouds: 2 ASt NE, 7 St ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	305	SE	8. 5
216	298	ESE	13. 7
414	290	ESE	12. 6
612	286	ESE	11. 0

Disappearance: Entered St, 612 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 852. Dec. 1, 1934; 8h 34m. Clouds: 10 St NE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	243	ENE	8.1
216	233	NE	9.2
414	232	NE	9.5
612	236	NE	7.2
706	236	NE	7.7

Disappearance: Entered St, 706 m.

No. 853. Dec. 1, 1934; 14h 20m. Clouds: 4 ASt NE, Few Cu ENE, 3 StCu ENE. Vis: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	269	E	6.7
216	261	E	9.1
414	250	ENE	11.5
513	245	ENE	11.1

Disappearance: Entered StCu, 513 m.

No. 854. Dec. 2, 1934; 8h 15m. Clouds: 5 ACu ENE, 4 ASt ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	310	SE	2.7
216	292	ESE	4.1
414	292	ESE	3.3
612	288	ESE	2.5
801	274	E	2.3
990	257	ENE	2.5
1,170	262	E	3.5
1,350	267	E	4.7
1,530	265	E	5.7
1,710	266	E	6.0
1,890	263	E	5.7
2,070	253	ENE	5.6
2,250	249	ENE	6.0
2,430	249	ENE	6.3

Disappearance: Entered ASt, 2,430 m.

No. 855. Dec. 2, 1934; 14h 05m. Clouds: 7 ACu E, Few Cu ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	285	ESE	4.0
216	289	ESE	4.3
414	281	E	3.1
612	267	E	3.2
801	275	E	3.0
990	285	ESE	1.5
1,170	246	ENE	0.6
1,350	221	NE	0.5
1,530	223	NE	3.2
1,710	215	NE	3.2
1,890	209	NNE	4.0
2,070	213	NNE	4.1
2,250	225	NE	3.9
2,430	235	NE	4.2
2,610	240	ENE	6.1

No. 855—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2,790	248	ENE	7.1
2,970	260	E	7.2
3,150	263	E	8.1

Disappearance: Entered ACu, 3,150 m.

No. 856. Dec. 2, 1934; 20h 08m. Clouds: 10 St SE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	352	S	2.7
216	331	SSE	4.0
414	316	SE	3.1
612	311	SE	2.8

Disappearance: Entered St, 612 m.

No. 857. Dec. 3, 1934; 8h 07m. Clouds: 4 ASt NE. Vis.: 8. Ice crystals falling. 22° halo, parhelic circle and parhelia

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	40	SW	4.0
216	39	SW	5.3
414	52	SW	3.5
612	57	WSW	2.7
801	42	SW	2.8
990	43	SW	2.3
1,170	39	SW	1.6
1,350	48	SW	1.3
1,530	53	SW	1.9
1,710	38	SW	2.0
1,890	18	SSW	1.8
2,070	32	SSW	1.8
2,250	46	SW	2.0
2,430	56	W	1.9
2,610	1	SSW	1.5
2,790	352	SW	1.0
2,970	213	NWE	0.9
3,150	202	NNE	1.5
3,330	213	NNE	1.2
3,510	224	NE	1.1

Disappearance: Lost.

No. 858. Dec. 3, 1934; 11h 30m. Clouds: Few ASt NW, 8 StCu WSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	38	SW	3.1
216	40	SW	3.7
414	65	WSW	3.3
612	67	WSW	3.0
801	50	SW	2.2
990	58	WSW	1.8
1,170	73	WSW	2.3
1,350	75	WSW	2.5
1,530	77	WSW	2.4
1,710	87	W	2.4
1,890	97	W	2.3
2,070	93	W	2.0
2,250	79	W	2.1
2,430	78	WSW	2.2
2,610	73	WSW	2.7
2,790	77	WSW	1.2

No. 858—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2,970	114	WNW	1.2
3,150	135	NW	1.9
3,330	145	NW	2.4
3,510	142	NW	3.5
3,690	142	NW	4.5
3,870	153	NNW	4.9
4,050	165	NNW	5.5
4,230	174	N	7.1
4,410	179	N	8.3
4,590	178	N	9.2
4,770	181	N	10.4
4,950	183	N	10.9
5,130	180	N	11.0
5,310	183	N	11.0
5,490	187	N	11.4
5,670	189	N	12.5
5,850	197	NNE	14.0
6,030	198	NNE	15.1
6,210	196	NNE	15.7
6,390	197	NNE	16.3

Disappearance: (?).

No. 859. Dec. 4, 1934; 13h 05m. Clouds: 5 StCu ESE, 5 St ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	297	ESE	3.6
216	290	ESE	4.0
414	287	ESE	4.1

Disappearance: Entered StCu, 414 m.

No. 860. Dec. 4, 1934; 18h 42m. Clouds: 9 St ESE. Vis.: 6. Snowing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	309	SE	3.3
216	307	SE	4.9
414	300	ESE	4.8
612	302	ESE	3.8
801	303	ESE	3.2
990	294	ESE	3.4
1,170	285	ESE	3.2
1,350	293	ESE	3.3
1,530	306	SE	4.3
1,710	309	SE	4.2

Disappearance: Cut off by St.

No. 861. Dec. 5, 1934; 9h 02m. Clouds: 10 StCu SSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	3	S	2.9
216	27	SSW	2.2
414	24	SSW	3.2
612	9	S	3.1
801	7	S	3.2
990	8	S	3.6
1,170	12	SSW	3.0
1,350	16	SSW	2.5
1,440	14	SSW	2.4

Disappearance: Entered StCu, 1,440 m.

No. 862. Dec. 5, 1934; 14h 00m. Clouds: 1 ASt SE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	357	S	4.9
216	307	SE	4.0
414	308	SE	4.3
612	317	SE	4.8
801	319	SE	4.0
990	334	SSE	1.9
1,170	349	S	1.3
1,350	337	SSE	2.2
1,530	348	SSE	2.8
1,710	338	SSE	2.9
1,890	336	SSE	2.6
2,070	346	SSE	2.5
2,250	352	S	2.3
2,430	352	S	2.0
2,610	345	SSE	2.0
2,790	352	S	2.0
2,970	9	S	2.7
3,150	5	S	2.1
3,330	288	ESE	1.5
3,510	265	E	2.6
3,690	274	E	3.2
3,870	274	E	3.7
4,050	268	E	3.9
4,230	260	E	4.1
4,410	253	ENE	5.1
4,590	245	ENE	5.6
4,770	248	ENE	6.2
4,950	252	ENE	7.5
5,130	247	ENE	7.9
5,310	245	ENE	8.0
5,490	247	ENE	7.8
5,670	241	ENE	8.0
5,850	239	ENE	7.8
6,030	241	ENE	7.2
6,210	239	ENE	6.5
6,390	233	NE	5.5
6,570	232	NE	5.3
6,750	237	ENE	5.8
6,930	238	ENE	6.7
7,110	233	NE	6.8
7,290	229	NE	6.8

Disappearance: Abandoned. Ice crystals falling. Circumzenithal arc, upper tangent arc and parhelia of 22° halo.

No. 863. Dec. 5, 1934; 18h 36m. Clouds: 10 StCu SW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	16	SSW	4.0
216	30	SSW	5.3
414	38	SW	6.1
612	42	SW	6.5
801	50	SW	4.9
990	53	SW	4.1

Disappearance: Entered StCu, 990 m.

No. 864. Dec. 6, 1934; 9h 08m. Clouds: 10 St. WSW. Lt. fog. Vis.: 6. Occasional snow flakes

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	108	WNW	2.0
216	90	W	3.5
414	74	WSW	5.6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 864—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	70	WSW	7. 9
801	69	WSW	8. 5
990	62	WSW	7. 5
1, 080	58	WSW	7. 0

Disappearance: Entered St, 1,080 m.

No. 865. Dec. 6, 1934; 13h 35m. Clouds: 10 St W. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	88	W	1. 3
216	92	W	2. 3
414	68	WSW	3. 9
612	60	WSW	5. 5
801	67	WSW	5. 8
990	70	WSW	5. 0
1, 170	75	WSW	4. 7
1, 350	82	W	5. 0
1, 530	85	W	5. 0

Disappearance: Entered St, 1,530 m.

No. 866. Dec. 6, 1934; 19h 52m. Clouds: 10 St W. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	3. 4
216	251	ENE	3. 3
414	230	NE	2. 0
612	196	NNE	1. 5
801	145	NW	1. 2
990	96	W	1. 0
1, 170	81	W	0. 6

Disappearance: Entered St, 1,170 m.

No. 867. Dec. 7, 1934; 8h 08m. Clouds: Few Ci ESE, Few St SSE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	71	WSW	1. 3
216	15	SSW	6. 7
414	4	S	9. 4
612	5	S	9. 8
801	359	S	9. 0
990	350	S	6. 6
1, 170	336	SSE	4. 2
1, 350	324	SE	3. 8
1, 530	312	SE	4. 1
1, 710	303	ESE	5. 3
1, 890	297	ESE	5. 6
2, 070	298	ESE	6. 3
2, 250	291	ESE	7. 5
2, 430	282	ESE	7. 6
2, 610	278	E	7. 3
2, 790	273	E	8. 0
2 970	269	E	8. 6
3, 150	265	E	9. 5
3, 330	265	E	10. 1
3, 510	264	E	9. 5
3, 690	262	E	9. 1
3, 870	265	E	8. 3
4, 050	266	E	7. 0
4, 230	271	E	5. 7

No. 867—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 410	277	E	5. 4
4, 590	279	E	5. 5
4, 770	283	ESE	5. 3
4, 950	281	E	5. 7
5, 130	288	ESE	5. 6
5, 310	294	ESE	5. 2
5, 490	293	ESE	5. 6
5, 670	298	ESE	5. 5
5, 850	299	ESE	5. 4
6, 030	300	ESE	5. 9
6, 210	301	ESE	6. 5
6, 390	301	ESE	7. 5
6, 570	301	ESE	7. 6
6, 750	299	ESE	6. 3
6, 930	298	ESE	6. 1
7, 110	298	ESE	6. 2
7, 290	299	ESE	5. 8
7, 470	300	ESE	5. 7
7, 650	299	ESE	7. 5
7, 830	294	ESE	6. 7
8, 010	291	ESE	6. 8
8, 190	293	ESE	6. 3
8, 370	299	ESE	6. 5
8, 550	297	ESE	5. 3
8, 730	296	ESE	5. 3
8, 910	296	ESE	5. 8
9, 090	298	ESE	5. 3
9, 270	299	ESE	5. 0
9, 450	293	ESE	5. 0
9, 630	285	ESE	5. 0
9, 810	281	E	5. 0

Disappearance: Distance.

No. 868. Dec. 7, 1934; 13h 30m. Clouds: 0

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	7	S	8. 5
216	3	S	12. 3
414	1	S	12. 0
612	352	S	9. 0
801	340	SSE	6. 8
990	337	SSE	6. 0
1, 170	348	SSE	6. 3
1, 350	348	SSE	7. 8
1, 530	335	SSE	7. 3
1, 710	318	SE	5. 8
1, 890	311	SE	5. 4
2, 070	301	ESE	5. 5
2, 250	296	ESE	5. 7
2, 430	304	SE	5. 8
2, 610	306	SE	5. 8
2, 790	304	SE	5. 9
2, 970	310	SE	6. 1
3, 150	319	SE	7. 5
3, 330	320	SE	9. 0
3, 510	316	SE	8. 5
3, 690	308	SE	6. 9
3, 870	308	SE	5. 7
4, 050	321	SE	5. 2
4, 230	319	SE	5. 2
4, 410	307	SE	6. 2
4, 590	301	ESE	7. 5
4, 770	301	ESE	7. 8
4, 950	299	ESE	7. 8
5, 130	299	ESE	8. 0
5, 310	297	ESE	6. 5
5, 490	294	ESE	5. 4
5, 670	300	ESE	5. 0

Disappearance: Bursting.

No. 869. Dec. 7, 1934; 18h 40m Clouds: 0. Vis. 8. Heavy shower of ice crystals falling. Sun pillar; hazy around horizon.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	24	SSW	7. 2
216	6	S	9. 2
414	351	S	8. 5
612	346	SSE	8. 3
801	351	S	7. 8
990	354	S	7. 0
1, 170	333	SSE	5. 5
1, 350	311	SE	5. 8
1, 530	314	SE	6. 2
1, 710	322	SE	6. 6
1, 890	324	SE	6. 9
2, 070	326	SE	6. 6
2, 250	327	SSE	6. 5
2, 430	323	SE	6. 7
2, 610	324	SE	7. 1
2, 790	324	SE	7. 2
2, 970	318	SE	7. 0
3, 150	309	SE	6. 7
3, 330	304	SE	7. 5
3, 510	299	ESE	8. 0
3, 690	301	ESE	7. 5
3, 870	307	SE	7. 9
4, 050	309	SE	8. 5
4, 230	312	SE	8. 4
4, 410	314	SE	8. 5
4, 590	312	SE	8. 4
4, 770	309	SE	8. 3
4, 950	307	SE	8. 3
5, 130	303	ESE	8. 0
5, 310	303	ESE	7. 4
5, 490	305	SE	7. 8
5, 670	307	SE	8. 3
5, 850	305	SE	8. 5
6, 030	298	ESE	8. 5
6, 210	294	ESE	8. 5
6, 390	301	ESE	9. 0
6, 570	302	ESE	8. 8
6, 750	302	ESE	8. 2

Disappearance: Distance.

No. 870. Dec. 7, 1934; 23h 58m. Clouds: 0. Vis. 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	27	SSW	1. 8
216	10	S	6. 2
414	1	S	6. 3
612	355	S	5. 9
801	359	S	5. 7
990	355	S	6. 1
1, 170	357	S	6. 7
1, 350	1	S	7. 2
1, 530	0	S	7. 5
1, 710	357	S	8. 3
1, 890	354	S	8. 6
2, 070	348	SSE	7. 4
2, 250	348	SSE	6. 8
2, 430	345	SSE	7. 4
2, 610	335	SSE	7. 6
2, 790	327	SSE	7. 8
2, 970	325	SE	8. 3
3, 150	326	SE	8. 8
3, 330	327	SSE	8. 4
3, 510	327	SSE	7. 0
3, 690	329	SSE	6. 8

No. 870—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3, 870	329	SSE	6. 7
4, 050	329	SSE	6. 8
4, 230	329	SSE	7. 0
4, 410	323	SE	6. 8
4, 590	324	SE	7. 5
4, 770	324	SE	7. 6
4, 950	324	SE	7. 8
5, 130	326	SE	8. 5
5, 310	330	SSE	9. 5
5, 490	329	SSE	11. 0
5, 670	321	SE	10. 3
5, 850	318	SE	9. 1
6, 030	313	SE	9. 5
6, 210	314	SE	9. 1
6, 390	312	SE	9. 4
6, 570	309	SE	9. 2
6, 750	312	SE	8. 7
6, 930	312	SE	8. 2

Disappearance: Distance.

No. 871. Dec. 8, 1934; 9h 20m. Clouds: Few St S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	8	S	2. 7
216	342	SSE	2. 4
414	349	S	4. 2
612	348	SSE	6. 3
801	348	SSE	6. 7
990	0	S	6. 5
1, 170	353	S	6. 7
1, 350	339	SSE	6. 8
1, 530	341	SSE	7. 8
1, 710	344	SSE	7. 3
1, 890	349	S	7. 5
2, 070	356	S	9. 0
2, 250	352	S	8. 7
2, 430	350	S	9. 2
2, 610	350	S	9. 3
2, 790	346	SSE	8. 6
2, 970	340	SSE	8. 4
3, 150	340	SSE	8. 0
3, 330	341	SSE	7. 5
3, 510	343	SSE	8. 3
3, 690	343	SSE	8. 5
3, 870	338	SSE	8. 7
4, 050	336	SSE	7. 7
4, 230	335	SSE	7. 0
4, 410	338	SSE	8. 6
4, 590	340	SSE	8. 3
4, 770	343	SSE	8. 0
4, 950	348	SSE	9. 1
5, 130	349	S	10. 0
5, 310	349	S	10. 8
5, 490	349	S	10. 7
5, 670	349	S	11. 0
5, 850	346	SSE	11. 0
6, 030	343	SSE	11. 4
6, 210	342	SSE	10. 2
6, 390	341	SSE	10. 5
6, 570	338	SSE	12. 0
6, 750	336	SSE	12. 5
6, 930	336	SSE	12. 0

Disappearance: Distance.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 872. Dec. 8, 1934; 15h 05m. Clouds: Few ASt SSW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	15	SSW	3. 6
216	15	SSW	5. 8
414	22	SSW	5. 5
612	25	SSW	4. 7
801	16	SSW	5. 4
990	25	SSW	6. 5
1, 170	35	SW	7. 1
1, 350	31	SSW	7. 0
1, 530	29	SSW	7. 3
1, 710	31	SSW	7. 6
1, 890	31	SSW	7. 9
2, 070	36	SW	7. 9
2, 250	38	SW	8. 2
2, 430	37	SW	9. 0
2, 610	32	SSW	9. 3
2, 790	30	SSW	9. 1
2, 970	30	SSW	9. 8
3, 150	30	SSW	10. 4
3, 330	36	SW	9. 8
3, 510	40	SW	9. 6
3, 690	39	SW	9. 9
3, 870	30	SSW	9. 7
4, 050	22	SSW	9. 4
4, 230	21	SSW	9. 0
4, 410	20	SSW	9. 0
4, 590	18	SSW	9. 0
4, 770	18	SSW	9. 1
4, 950	17	SSW	9. 3
5, 130	20	SSW	9. 9
5, 310	24	SSW	10. 5
5, 490	22	SSW	10. 7
5, 670	20	SSW	11. 0
5, 850	20	SSW	12. 8
6, 030	18	SSW	14. 0
6, 210	20	SSW	13. 5
6, 390	21	SSW	14. 8
6, 570	21	SSW	16. 0
6, 750	21	SSW	16. 4
6, 930	20	SSW	14. 8
7, 110	24	SSW	15. 0
7, 290	22	SSW	15. 2
7, 470	22	SSW	13. 0
7, 650	23	SSW	13. 6
7, 830	24	SSW	15. 1
8, 010	25	SSW	14. 0
8, 190	19	SSW	13. 0
8, 370	16	SSW	11. 6
8, 550	17	SSW	9. 6

Disappearance: Distance. ASt are in streamer and lenticular forms.

No. 873. Dec. 8, 1934; 21h 09m. Clouds: Few St SSE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	263	E	3. 6
216	272	E	4. 5
414	342	SSE	4. 3
612	345	SSE	7. 5
801	351	S	7. 7
990	350	S	7. 8
1, 170	356	S	7. 9
1, 350	357	S	7. 8
1, 530	1	S	8. 2
1, 710	2	S	8. 1
1, 890	354	S	7. 3
2, 070	348	SSE	7. 6
2, 250	346	SSE	8. 9

No. 873—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2, 430	338	SSE	8. 7
2, 610	331	SSE	7. 4
2, 790	332	SSE	7. 8
2, 970	333	SSE	7. 5
3, 150	333	SSE	7. 1
3, 330	328	SSE	7. 3
3, 510	324	SE	6. 8
3, 690	324	SE	6. 0
3, 870	331	SSE	5. 0
4, 050	340	SSE	4. 5
4, 230	346	SSE	4. 5
4, 410	355	S	4. 0
4, 590	0	S	4. 5
4, 770	1	S	4. 2
4, 950	6	S	3. 8
5, 130	16	SSW	4. 5
5, 310	21	SSW	5. 8
5, 490	26	SSW	6. 6
5, 670	44	SW	7. 3
5, 850	51	SW	9. 2
6, 030	45	SW	10. 4
6, 210	44	SW	10. 5

Disappearance: Abandoned.

No. 874. Dec. 9, 1934; 9h 22m. Clouds: Few St SSE.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	12	SSW	2. 7
216	0	S	0. 8
414	312	SE	2. 0
612	340	SSE	3. 8
801	347	SSE	5. 5
990	345	SSE	7. 8
1, 170	346	SSE	7. 7
1, 350	344	SSE	7. 4
1, 530	348	SSE	7. 5
1, 710	345	SSE	7. 5
1, 890	346	SSE	7. 8
2, 070	347	SSE	8. 0
2, 250	346	SSE	8. 3
2, 430	344	SSE	8. 3
2, 610	345	SSE	8. 0
2, 790	347	SSE	8. 1
2, 970	352	S	8. 8
3, 150	354	S	9. 0
3, 330	353	S	9. 3
3, 510	356	S	9. 9
3, 690	357	S	10. 4
3, 870	359	S	10. 4
4, 050	1	S	10. 3
4, 230	0	S	10. 3
4, 410	358	S	9. 6
4, 590	359	S	8. 0
4, 770	5	S	7. 5
4, 950	1	S	8. 0
5, 130	358	S	7. 5
5, 310	354	S	7. 3
5, 490	352	S	7. 7
5, 670	358	S	7. 5
5, 850	4	S	7. 5
6, 030	5	S	7. 0
6, 210	1	S	7. 0
6, 390	359	S	6. 5
6, 570	3	S	5. 5
6, 750	6	S	6. 8
6, 930	8	S	7. 5
7, 110	12	SSW	7. 7
7, 290	17	SSW	8. 0
7, 470	1	S	7. 6
7, 650	17	SSW	6. 4

No. 874—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7, 830	14	SSW	6. 0
8, 010	359	S	6. 6
8, 190	354	S	7. 0
8, 370	354	S	6. 4
8, 550	4	S	7. 0
8, 730	7	S	8. 0

Disappearance: Bursting.

No. 875. Dec. 9, 1934; 16h 04m. Clouds: 1 ASt SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	310	SE	2. 2
216	308	SE	3. 8
414	323	SE	6. 6
612	334	SSE	7. 7
801	328	SSE	7. 3
990	326	SE	7. 8
1, 170	328	SSE	8. 5
1, 350	328	SSE	8. 9
1, 530	326	SE	9. 0
1, 710	324	SE	9. 0
1, 890	325	SE	8. 6
2, 070	330	SSE	8. 6
2, 250	334	SSE	9. 0
2, 430	330	SSE	8. 7
2, 610	324	SE	8. 0
2, 790	329	SSE	7. 0
2, 970	334	SSE	6. 9
3, 150	332	SSE	8. 2
3, 330	329	SSE	8. 5
3, 510	331	SSE	7. 5
3, 690	335	SSE	6. 7
3, 870	330	SSE	6. 6
4, 050	326	SE	7. 1
4, 230	325	SE	6. 5
4, 410	333	SSE	6. 6
4, 590	332	SSE	7. 5
4, 770	324	SE	7. 0
4, 950	319	SE	6. 6
5, 130	321	SE	6. 4
5, 310	324	SE	6. 8
5, 490	324	SE	7. 5
5, 670	314	SE	7. 5
5, 850	303	ESE	6. 6
6, 030	305	SE	6. 5
6, 210	308	SE	5. 8
6, 390	313	SE	5. 6
6, 570	327	SSE	5. 8
6, 750	328	SSE	5. 8
6, 930	325	SE	5. 1
7, 110	324	SE	4. 3
7, 290	324	SE	4. 0

Disappearance: Distance.

No. 876. Dec. 10, 1934; 14h 00m. Clouds: 10 St NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	282	ESE	7. 2
216	254	ENE	7. 6
414	227	NE	6. 5
612	214	NE	5. 2
801	214	NE	4. 7

Disappearance: Entered St, 801 m. Low stratus, snow, and poor visability since last night.

No. 877. Dec. 10, 1934; 21h 16m. Clouds: Few ASt E, 2 StCu E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	272	E	5. 8
216	280	E	4. 7
414	293	ESE	2. 3
612	255	ENE	0. 9
801	235	NE	2. 3
990	230	NE	5. 3
1, 170	224	NE	6. 9
1, 350	218	NE	7. 7
1, 530	218	NE	7. 0
1, 710	225	NE	7. 0
1, 890	232	NE	6. 2
2, 070	239	ENE	4. 8
2, 250	251	ENE	5. 2
2, 430	258	ENE	5. 5
2, 610	260	E	5. 0
2, 790	266	E	4. 3
2, 970	267	E	4. 0
3, 150	273	E	4. 3
3, 330	271	E	4. 0
3, 510	254	ENE	3. 4
3, 690	256	ENE	3. 4
3, 870	272	E	3. 2
4, 050	292	ESE	3. 2
4, 230	295	ESE	4. 1
4, 410	302	ESE	5. 3
4, 590	307	SE	5. 8
4, 770	308	SE	5. 5
4, 950	313	SE	5. 7
5, 130	311	SE	6. 0
5, 310	308	SE	6. 0
5, 490	305	SE	7. 0
5, 670	303	ESE	7. 4
5, 850	303	ESE	7. 9
6, 030	305	SE	9. 0
6, 210	307	SE	9. 5
6, 390	305	SE	10. 2
6, 570	303	ESE	10. 6
6, 750	303	ESE	11. 0
6, 930	305	SE	11. 1
7, 110	307	SE	11. 8
7, 290	308	SE	12. 0

Disappearance: Bursting (?).

No. 878. Dec. 11, 1934; 8h 06m. Clouds: Few ASt ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	10	S	1. 1
216	319	SE	0. 6
414	299	ESE	1. 6
612	296	ESE	3. 4
801	287	ESE	3. 0
990	280	E	2. 7
1, 170	281	E	2. 9
1, 350	282	ESE	3. 5
1, 530	283	ESE	3. 8
1, 710	290	ESE	4. 1
1, 890	294	ESE	4. 5
2, 070	292	ESE	4. 5
2, 250	289	ESE	4. 5
2, 430	295	ESE	4. 6
2, 610	295	ESE	4. 7
2, 790	282	ESE	4. 1
2, 970	273	E	3. 5
3, 150	268	E	3. 0
3, 330	261	E	2. 0
3, 510	271	E	1. 5

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
No. 878—Continued			
3,690	271	E	1.8
3,870	269	E	1.7
4,050	272	E	2.0
4,230	275	E	2.5
4,410	278	E	3.5
4,590	281	E	4.0
4,770	266	E	4.5
4,950	262	E	4.7
5,130	273	E	4.9
5,310	272	E	5.5
5,490	272	E	6.1
5,670	279	E	8.1
5,850	267	E	10.2
6,030	268	E	12.5
6,210	268	E	13.7
6,390	269	E	13.9
6,570	269	E	13.5
6,750	268	E	12.5
6,930	271	E	11.6
7,110	276	E	11.5
7,290	279	E	11.8
Disappearance: Bursting (?).			
No. 879. Dec. 11, 1934; 13h 03m. Clouds: Few ASt ESE. Vis.: 9			
Surface	3	S	1.3
216	15	SSW	2.8
414	30	SSW	1.7
612	1	S	1.5
801	336	SSE	2.2
990	326	SE	3.4
1,170	326	SE	4.4
1,350	330	SSE	4.8
1,530	330	SSE	5.2
1,710	330	SSE	5.5
1,890	323	SE	5.5
2,070	317	SE	4.7
2,250	311	SE	4.0
2,430	309	SE	3.5
2,610	299	ESE	3.3
2,790	293	ESE	3.0
2,970	290	ESE	2.8
3,150	295	ESE	2.5
3,330	297	ESE	3.7
3,510	293	ESE	3.3
3,690	293	ESE	3.5
3,870	292	ESE	3.5
4,050	296	ESE	3.2
4,230	299	ESE	3.5
4,410	295	ESE	4.1
4,590	288	ESE	4.5
4,770	291	ESE	5.5
4,950	293	ESE	6.3
5,130	296	ESE	6.8
5,310	299	ESE	7.6
5,490	298	ESE	8.5
5,670	295	ESE	8.6
5,850	293	ESE	9.0
6,030	292	ESE	10.1
6,210	291	ESE	10.7
6,390	291	ESE	11.3
6,570	290	ESE	11.1
6,750	292	ESE	11.5
6,930	292	ESE	11.4
7,110	292	ESE	11.0
7,290	294	ESE	10.8
7,470	294	ESE	10.5
No. 879—Continued			
7,650	294	ESE	10.5
7,830	291	ESE	9.9
8,010	291	ESE	8.2
8,190	295	ESE	7.5
8,370	299	ESE	7.2
Disappearance: Bursting (?).			
No. 880. Dec. 11, 1934; 16h 58m. Clouds: Few ASt SE. Vis.: 9			
Surface	15	SSW	6.7
216	357	S	7.3
414	351	S	5.0
612	2	S	5.0
801	4	S	4.3
990	348	SSE	4.1
1,170	356	S	4.5
1,350	334	SSE	5.2
1,530	332	SSE	5.0
1,710	334	SSE	4.7
1,890	334	SSE	4.3
2,070	325	SE	3.8
2,250	315	SE	3.5
2,430	311	SE	3.6
2,610	315	SE	3.6
2,790	318	SE	3.8
2,970	319	SE	4.0
3,150	314	SE	4.2
3,330	305	SE	4.2
3,510	304	SE	4.3
3,690	309	SE	4.9
3,870	309	SE	4.9
4,050	313	SE	4.6
4,230	320	SE	5.1
4,410	316	SE	5.9
4,590	307	SE	6.7
4,770	302	ESE	8.2
4,950	298	ESE	9.9
5,130	298	ESE	10.8
5,310	297	ESE	10.8
5,490	296	ESE	11.5
5,670	298	ESE	12.0
5,850	294	ESE	11.1
6,030	292	ESE	11.5
6,210	294	ESE	12.0
Disappearance: Abandoned.			
No. 881. Dec. 11, 1934; 22h 25m. Clouds: 1 Ci SE, Few ACu SE. Vis.: 9			
Surface	4	S	3.6
216	329	SSE	4.0
414	329	SSE	3.3
612	327	SSE	3.5
801	322	SE	3.8
990	338	SSE	3.1
1,170	337	SSE	3.5
1,350	333	SSE	4.6
1,530	334	SSE	4.9
1,710	332	SSE	5.0
1,890	327	SSE	5.3
2,070	328	SSE	5.3
2,250	333	SSE	5.3
2,430	330	SSE	5.0
No. 881—Continued			
2,610	333	SSE	4.9
2,790	321	SE	5.3
2,970	317	SE	5.5
3,150	314	SE	5.4
3,330	313	SE	5.4
3,510	313	SE	5.0
3,690	313	SE	4.7
3,870	313	SE	5.5
4,050	304	SE	6.3
4,230	300	ESE	7.0
4,410	301	ESE	7.8
4,590	303	ESE	8.0
4,770	304	SE	8.8
4,950	306	SE	8.8
5,130	307	SE	9.0
Disappearance: Background.			
No. 882. Dec. 12, 1934; 3h 00m. Clouds: 3 Ci SE, 2 ASt SE. Vis.: 9			
Surface	330	SSE	1.3
216	345	SSE	2.0
414	326	SE	3.1
612	325	SE	5.3
801	330	SSE	7.2
990	328	SSE	7.2
1,170	327	SSE	6.2
1,350	328	SSE	6.0
1,530	328	SSE	6.1
1,710	327	SSE	6.5
1,890	327	SSE	6.1
2,070	325	SE	5.6
2,250	325	SE	5.3
2,430	326	SE	5.1
2,610	324	SE	5.0
2,790	321	SE	5.5
2,970	312	SE	6.0
3,150	312	SE	5.6
3,330	314	SE	5.8
3,510	313	SE	6.1
3,690	310	SE	6.4
3,870	307	SE	6.5
4,050	308	SE	7.0
4,230	307	SE	7.7
4,410	306	SE	7.8
Disappearance: Bursting.			
No. 883. Dec. 12, 1934; 12h 31m. Clouds: 2 Ci SE, 5 ASt SE. Vis.: 8			
Surface	297	ESE	2.4
216	305	SE	2.7
414	321	SE	3.3
612	324	SE	4.1
801	324	SE	3.9
990	324	SE	4.1
1,170	322	SE	4.7
1,350	322	SE	5.3
1,530	320	SE	5.2
1,710	315	SE	5.3
1,890	312	SE	5.5
2,070	313	SE	5.3
2,250	313	SE	5.3
2,430	315	SE	5.4
No. 883—Continued			
2,610	317	SE	5.1
2,790	317	SE	5.2
2,970	320	SE	5.6
3,150	323	SE	5.9
3,330	326	SE	6.2
3,510	329	SSE	6.5
3,690	333	SSE	6.2
3,870	331	SSE	6.0
4,050	324	SE	6.1
4,230	323	SE	6.0
Disappearance: Entered ASt, 4,230 m.			
No. 884. Dec. 12, 1934; 18h 25m. Clouds: 9 ACu SSE. Vis.: 8			
Surface	355	S	1.5
216	290	ESE	2.6
414	303	ESE	2.5
612	325	SE	2.6
801	325	SE	2.9
990	328	SSE	4.3
1,170	325	SE	5.7
1,350	321	SE	5.6
1,530	319	SE	5.0
1,710	318	SE	4.5
1,890	318	SE	4.2
2,070	318	SE	4.2
2,250	318	SE	4.5
2,430	322	SE	4.8
2,610	325	SE	5.0
2,790	329	SSE	5.0
Disappearance: Entered ACu, 2,790 m.			
No. 885. Dec. 13, 1934; 8h 30m. Clouds: 1 ASt SE, Few St SE. Vis.: 8			
Surface	284	ESE	2.2
216	300	ESE	4.7
414	311	SE	4.5
612	325	SE	3.5
801	319	SE	3.3
990	316	SE	3.3
1,170	325	SE	3.4
1,350	330	SSE	3.5
1,530	333	SSE	4.0
1,710	333	SSE	4.5
1,890	327	SSE	4.7
2,070	323	SE	4.8
2,250	325	SE	5.3
2,430	319	SE	6.5
2,610	315	SE	7.4
2,790	314	SE	7.7
2,970	315	SE	7.8
3,150	319	SE	7.7
3,330	317	SE	7.4
3,510	314	SE	7.2
3,690	315	SE	7.1
3,870	311	SE	7.2
4,050	307	SE	7.2
4,230	318	SE	7.4
4,410	309	SE	8.2
4,590	308	SE	8.7

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
No. 885—Continued			
4,770	310	SE	8.7
4,950	315	SE	9.0
5,130	316	SE	10.1
5,310	313	SE	11.6
5,490	312	SE	12.7
5,670	312	SE	13.5
5,850	309	SE	13.5
6,030	307	SE	13.3
6,210	306	SE	14.2
6,390	310	SE	15.3
6,570	308	SE	15.3
6,750	311	SE	16.0
6,930	314	SE	17.0
Disappearance: Distance.			
No. 886. Dec. 13, 1934; 13h 20m. Clouds: 2 StCu SE Vis.: 9			
Surface	300	ESE	1.8
216	311	SE	4.2
414	323	SE	6.0
612	330	SSE	7.9
801	330	SSE	6.3
990	330	SSE	3.8
1,170	328	SSE	3.2
1,350	321	SE	3.3
1,530	310	SE	3.5
1,710	305	SE	4.0
1,890	301	ESE	3.4
2,070	297	ESE	3.0
2,250	306	SE	4.0
2,430	310	SE	5.2
2,610	310	SE	5.5
2,790	316	SE	6.3
2,970	313	SE	6.9
3,150	304	SE	6.0
3,330	298	ESE	5.8
3,510	303	ESE	6.3
3,690	310	SE	7.0
3,870	317	SE	7.3
4,050	317	SE	7.8
4,230	316	SE	8.1
4,410	318	SE	8.2
4,590	318	SE	8.9
4,770	315	SE	9.6
4,950	312	SE	11.0
5,130	312	SE	12.0
Disappearance: Cut off by StCu.			
No. 887. Dec. 13, 1934; 20h 25m. Clouds: 1 StCu S. Vis.: 9			
Surface	251	ENE	1.5
216	338	ENE	3.2
414	351	S	6.3
612	2	S	8.5
801	5	S	9.0
990	358	S	6.0
1,170	341	SSE	2.4
1,350	307	SE	1.0
1,530	285	ESE	0.8
1,710	272	E	1.5
1,890	271	E	2.3
No. 887—Continued			
2,070	272	E	2.9
2,250	275	E	3.6
2,430	278	E	4.1
2,610	273	E	4.2
2,790	272	E	4.5
2,970	270	E	4.8
3,150	276	E	5.5
3,330	282	ESE	6.0
3,510	289	ESE	6.2
3,690	298	ESE	6.7
3,870	304	SE	7.0
4,050	310	SE	7.8
4,230	308	SE	8.5
4,410	305	SE	9.4
4,590	309	SE	9.5
4,770	313	SE	9.5
4,950	315	SE	10.5
5,130	316	SE	10.9
5,310	315	SE	10.7
5,490	315	SE	12.3
5,670	316	SE	12.7
5,850	316	SE	12.7
6,030	314	SE	13.3
6,210	312	SE	13.4
Disappearance Abandoned.			
No. 888. Dec. 14, 1934; 11h 48m. Clouds: 8 St SSW. Lt. fog. Vis.: 4. Heavy shower of ice crystals; lt. snow			
Surface	25	SSW	5.8
216	19	SSW	8.7
414	20	SSW	11.4
612	24	SSW	12.0
801	24	SSW	11.1
990	21	SSW	8.3
1,170	21	SSW	5.2
1,350	29	SSW	4.0
1,530	31	SSW	4.3
1,710	28	SSW	4.7
1,890	19	SSW	4.9
2,070	22	SSW	4.8
2,250	32	SSW	4.9
Disappearance: Cut off by St.			
No. 889. Dec. 14, 1934; 16h 57m. Clouds: St SSW. Lt. fog. Vis.: 5. Lt. snow. Heavy shower: large ice crystals; parhelia of 22°			
Surface	36	SW	5.4
216	21	SSW	7.9
414	17	SSW	9.7
612	24	SSW	12.6
801	27	SSW	12.1
990	29	SSW	8.7
1,170	29	SSW	6.1
1,350	21	SSW	5.8
1,530	21	SSW	5.8
1,710	25	SSW	5.9
1,890	26	SSW	6.1
2,070	21	SSW	6.2
2,250	15	SSW	5.4
2,430	5	S	4.5
No. 889—Continued			
2,610	4	S	4.8
2,790	2	S	5.7
2,970	1	S	6.5
3,150	359	S	5.7
3,330	357	S	4.7
3,510	357	S	6.0
3,690	352	S	7.2
3,870	349	S	8.5
4,050	350	S	9.0
4,230	352	S	9.5
4,410	352	S	10.0
Disappearance: Cut off by St.			
No. 890. Dec. 15, 1934; 12h 28m. Clouds: Few St S. Vis.: 8. Shower of ice crystals			
Surface	357	S	-----
216	27	SSW	2.2
414	10	S	3.0
612	352	S	4.3
801	352	S	5.8
990	357	S	6.5
1,170	353	S	6.3
1,350	347	SSE	6.1
1,530	344	SSE	6.6
1,710	336	SSE	6.8
1,890	335	SSE	7.2
2,070	340	SSE	8.1
2,250	339	SSE	8.3
2,430	337	SSE	8.5
2,610	338	SSE	8.6
2,790	338	SSE	9.0
2,970	335	SSE	10.1
3,150	333	SSE	11.0
3,330	335	SSE	10.6
3,510	338	SSE	10.6
3,690	343	SSE	10.8
3,870	352	S	9.8
4,050	359	S	11.0
4,230	358	S	10.5
4,410	357	S	10.0
4,590	359	S	9.0
Disappearance: Bursting.			
No. 891. Dec. 15, 1934; 16h 54m. Clouds: 0. Vis.: 9			
Surface	32	SSW	1.8
216	20	SSW	4.7
414	12	SSW	5.0
612	10	S	4.5
801	6	S	4.3
990	358	S	4.0
1,170	5	S	4.2
1,350	11	S	4.9
1,530	6	S	5.0
1,710	1	S	5.5
1,890	358	S	5.9
2,070	358	S	5.7
2,250	2	S	6.0
2,430	3	S	7.0
2,610	0	S	8.0
2,790	356	S	8.5
2,970	357	S	8.7
No. 891—Continued			
3,150	359	S	8.9
3,330	1	S	9.0
3,510	0	S	9.8
3,690	359	S	10.3
3,870	2	S	10.4
4,050	5	S	10.0
4,230	8	S	9.7
4,410	13	SSW	9.5
4,590	11	S	9.8
4,770	9	S	10.5
4,950	12	SSW	9.8
5,130	13	SSW	9.7
5,310	12	SSW	11.1
5,490	13	SSW	11.5
5,670	18	SSW	12.0
5,850	18	SSW	12.5
6,030	18	SSW	12.7
6,210	18	SSW	14.0
6,390	18	SSW	13.0
6,570	21	SSW	12.5
6,750	23	SSW	12.9
6,930	27	SSW	13.4
7,110	24	SSW	14.6
7,290	21	SSW	14.6
Disappearance: Distance.			
No. 892. Dec. 16, 1934; 0h 15m. Clouds: 0. Vis.: 9			
Surface	43	SW	1.1
216	64	WSW	3.8
414	81	W	4.0
612	67	WSW	3.2
801	56	SW	2.6
990	54	SW	2.6
1,170	54	SW	3.0
1,350	53	SW	3.5
1,530	60	WSW	4.0
1,710	63	WSW	4.5
1,890	50	SW	5.5
2,070	40	SW	6.0
2,250	37	SW	6.4
2,430	40	SW	6.6
2,610	35	SW	6.7
2,790	32	SSW	7.1
2,970	31	SSW	7.5
3,150	29	SSW	7.9
3,330	30	SSW	8.2
3,510	30	SSW	8.3
3,690	28	SSW	7.7
3,870	29	SSW	7.3
4,050	28	SSW	7.6
4,230	28	SSW	8.1
4,410	28	SSW	8.1
4,590	28	SSW	8.5
4,770	26	SSW	8.4
4,950	25	SSW	7.5
5,130	30	SSW	7.7
5,310	32	SSW	8.6
5,490	30	SSW	9.1
5,670	29	SSW	9.5
5,850	31	SSW	9.5
6,030	36	SW	10.0
6,210	38	SW	10.9
6,390	40	SW	10.8
6,570	38	SW	11.0
6,750	37	SW	11.0
6,930	35	SW	12.0
7,110	34	SW	11.6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 892—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
7, 290	34	SW	10. 6
7, 470	34	SW	10. 9
7, 650	37	SW	10. 2
7, 830	37	SW	9. 8
8, 010	42	SW	12. 0
8, 190	43	SW	13. 0
8, 370	43	SW	11. 2
8, 550	41	SW	11. 3
8, 730	44	SW	11. 8
8, 910	41	SW	11. 0
9, 090	42	SW	10. 0
9, 270	43	SW	10. 0

Disappearance: Bursting (?)

No. 893. Dec. 16, 1934; 9h 30m. Clouds: 10 St W. Lt. fog. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	267	E	1. 8
216	104	WNW	2. 4
414	98	W	3. 4

Disappearance: Entered St, 414 m.

No. 894. Dec. 16, 1934; 15h 10m. Clouds: 7 StCu WNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	222	NE	3. 8
216	207	NNE	3. 1
414	133	NW	3. 0
612	94	W	6. 0
801	86	W	6. 8
990	90	W	4. 6
1, 170	117	WNW	3. 0
1, 350	120	WNW	3. 1
1, 530	122	WNW	3. 3
1, 710	137	NW	3. 5
1, 890	139	NW	3. 5
2, 070	130	NW	3. 6
2, 250	127	NW	3. 5
2, 430	130	NW	3. 8
2, 610	130	NW	3. 8
2, 790	130	NW	3. 7
2, 970	128	NW	3. 8
3, 150	120	WNW	3. 4
3, 330	115	WNW	3. 2
3, 510	115	WNW	3. 5

Disappearance: Cut off by StCu.

No. 895. Dec. 17, 1934; 8h 45m. Clouds: 4 ACu N, 5 ASt N, Few St NNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	288	ESE	2. 2
216	191	N	2. 0
414	169	N	2. 7
612	159	NNW	2. 5
801	177	N	2. 0
990	230	NE	1. 2

No. 895—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 170	325	SE	0. 6
1, 350	12	SSW	2. 0
1, 530	22	SSW	2. 8
1, 710	51	SW	2. 8
1, 890	75	WSW	3. 3
2, 070	106	WNW	3. 0
2, 250	151	NNW	2. 9
2, 430	174	N	3. 5

Disappearance: Entered ASt, 2,430 m.

No. 896. Dec. 17, 1934; 18h 10m. Clouds: 5 ACu W, 5 ASt W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	251	ENE	0. 7
216	51	SW	1. 5
414	69	WSW	2. 3
612	78	WSW	2. 0
801	82	W	2. 5
990	87	W	2. 8
1, 170	97	W	2. 2
1, 350	124	NW	1. 5
1, 530	147	NNW	1. 5
1, 710	155	NNW	1. 3
1, 890	143	NW	1. 0
2, 070	104	WNW	1. 1
2, 250	106	WNW	1. 5
2, 430	101	W	1. 5

Disappearance: Entered ASt, 2,430 m.

No. 897. Dec. 18, 1934; 8h 05m. Clouds: 10 St NW. Vis.: 6. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	163	NNW	2. 0
216	154	NNW	4. 5
414	154	NNW	5. 0
612	145	NW	4. 7
801	139	NW	4. 5

Disappearance: Entered St, 801 m.

No. 898. Dec. 18, 1934; 14h 38m. Clouds: 10 St N. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	195	NNE	2. 2
216	166	NNW	5. 3
414	166	NNW	5. 6
612	170	N	5. 9
801	172	N	5. 5
990	171	N	4. 9
1, 170	170	N	4. 5

Disappearance: Entered St, 1,170 m.

No. 899. Dec. 18, 1934; 22h 06m. Clouds: 4 CiSt ?, 6 St N. Vis.: 7. Parhelia visible. Lt. snow at intervals

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	200	NNE	3. 1
216	170	N	5. 5
414	170	N	6. 0
612	175	N	6. 5
801	185	N	6. 1
990	189	N	5. 7
1, 170	176	N	5. 2
1, 350	168	NNW	5. 4
1, 530	169	N	5. 3
1, 710	171	N	4. 6
1, 890	171	N	3. 8
2, 070	169	N	3. 3

Disappearance: Cut off by St.

No. 900. Dec. 19, 1934; 8h 22m. Clouds: 10 St N. Vis.: 6. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	264	E	7. 6
216	224	NE	8. 7
414	203	NNE	9. 9
612	192	NNE	9. 7
801	190	N	10. 0

Disappearance: Entered St, 801 m.

No. 901. Dec. 19, 1934; 20h 45m. Clouds: 10 St NE. Lt. fog. Vis.: 6. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	241	ENE	4. 9
216	214	NE	9. 0
414	217	NE	9. 1
612	225	NE	9. 0

Disappearance: Entered St, 612 m.

No. 902. Dec. 20, 1934; 8h 32m. Clouds: 10 StCu NW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	112	WNW	4. 5
216	111	WNW	7. 0
414	109	WNW	7. 7
612	114	WNW	7. 7
801	124	NW	7. 5
990	128	NW	7. 5

Disappearance: Entered StCu, 990 m.

No. 903. Dec. 20, 1934; 16h 42m. Clouds: 2 Cu NNW, 7 StCu NNW. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	180	N	3. 6
216	173	N	5. 6
414	167	NNW	6. 0

No. 903—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	151	NNW	6. 0
801	142	NW	7. 0
990	148	NNW	7. 7
1, 170	145	NW	7. 5
1, 350	140	NW	8. 0
1, 530	141	NW	8. 5

Disappearance: Cut off by StCu.

No. 904. Dec. 21, 1934; 8h 45m. Clouds:[1] 10 CiSt NW, 5 St E. Lt. fog. Vis.: 4. Lt. drift and lt. snow.

[1] Apparently overcast with CiSt.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	291	ESE	6. 7
216	280	E	10. 8
414	267	E	8. 3
612	259	E	7. 3
706	259	E	7. 9

Disappearance: Entered St, 706 m.

No. 905. Dec. 22, 1934; 18h 18m. Clouds: 10 St WSW. Vis.: 6. Occasional snowflakes

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	255	ENE	1. 3
216	249	ENE	0. 7
414	69	WSW	0. 3

Disappearance: Entered St, 414 m.

No. 906. Dec. 23, 1934; 9h 12m. Clouds: Few ASt WSW. Vis.: 8. Heavy shower of ice crystals falling

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	50	SW	8. 5
216	39	SW	10. 9
414	36	SW	13. 0
612	38	SW	14. 4
801	40	SW	13. 4
990	43	SW	12. 5
1, 170	48	SW	11. 7
1, 350	50	SW	11. 3
1, 530	51	SW	11. 3
1, 710	51	SW	11. 0
1, 890	50	SW	10. 3
2, 070	55	SW	9. 0
2, 250	62	WSW	8. 0
2, 430	64	WSW	6. 8
2, 610	66	WSW	6. 4
2, 790	69	WSW	7. 2
2, 970	72	WSW	8. 0
3, 150	74	WSW	8. 2
3, 330	71	WSW	8. 5
3, 510	71	WSW	8. 0

Disappearance: Balloon suddenly lost from sight apparently due to some sort of optical effect. Rapid rise in barometer during night.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 907. Dec. 23, 1934; 14h 26m. Clouds: Few CiSt SW

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	68	WSW	5.8
216	56	SW	10.8
414	47	SW	11.5
612	49	SW	10.5
801	57	WSW	9.5
990	63	WSW	9.2
1,170	68	WSW	8.6
1,350	71	WSW	9.0
1,530	71	WSW	9.8
1,710	70	WSW	10.3
1,890	68	WSW	10.5
2,070	64	WSW	10.6
2,250	65	WSW	10.1
2,430	66	WSW	9.2
2,610	64	WSW	9.5
2,790	62	WSW	10.5

Disappearance: Balloon suddenly lost from sight, apparently some sort of optical effect.

No. 908. Dec. 23, 1934; 19h 34m. Clouds: 9 CiSt W. Vis.: 8. 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	53	SW	3.1
216	31	SSW	5.3
414	37	SW	4.7
612	50	SW	5.5
801	57	WSW	5.5
990	54	SW	4.5
1,170	55	SW	4.1
1,350	68	WSW	4.2
1,530	76	WSW	4.3
1,710	79	W	4.2
1,890	81	W	4.5
2,070	77	WSW	5.3
2,250	75	WSW	5.5
2,430	77	WSW	5.6
2,610	84	W	5.4
2,790	94	W	5.7
2,970	97	W	5.5
3,150	97	W	6.2
3,330	95	W	6.7
3,510	93	W	7.0

Disappearance: Background.

No. 909. Dec. 24, 1934; 8h 55m. Clouds: 2 CiSt, 7 ASt SSE. Vis.: 8, Partial 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	338	SSE	2.9
216	315	SE	6.2
414	317	SE	6.2
612	332	SSE	5.5
801	329	SSE	5.4
990	321	SE	5.6
1,170	315	SE	6.4
1,350	305	SE	6.3
1,530	302	ESE	6.0
1,710	302	ESE	6.2
1,890	298	ESE	6.0
2,070	305	SE	5.0
2,250	323	SE	4.6

No. 909—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2,430	330	SSE	5.0
2,610	317	SE	5.7
2,790	292	ESE	5.9
2,970	280	E	5.6
3,150	290	ESE	4.6
3,330	316	SE	4.2
3,510	332	SSE	4.6

Disappearance: Entered ASt, 3,510 m. Rapid change in wind direction since yesterday.

No. 910. Dec. 24, 1934; 12h 45m. Clouds: 4 Ci S, 3 CiSt S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	10	S	7.2
216	359	S	6.5
414	349	S	5.3
612	336	SSE	6.4
801	342	SSE	7.9
990	349	S	8.9
1,170	349	S	9.0
1,350	349	S	8.5
1,530	346	SSE	7.4
1,710	345	SSE	5.7
1,890	347	SSE	4.8
2,070	358	S	5.1
2,250	2	S	5.7
2,430	358	S	6.8
2,610	357	S	6.8
2,790	357	S	6.2
2,970	356	S	5.6
3,150	356	S	6.5
3,330	353	S	7.9
3,510	337	SSE	7.1
3,690	318	SE	6.2
3,870	312	SE	6.5
4,050	311	SE	6.4
4,230	309	SE	4.5
4,410	344	SSE	3.5
4,590	12	S	5.3
4,770	11	S	7.5
4,950	6	S	8.4
5,130	358	S	8.0
5,310	344	SSE	7.5
5,490	341	SSE	7.2
5,670	354	S	8.0
5,850	6	S	8.5
6,030	9	S	9.0
6,210	7	S	9.0
6,390	6	S	8.0

Disappearance: Entered Ci, 6,390 m.

No. 911. Dec. 24, 1934; 18h 40m. Clouds: Few ASt SW. Vis.: 9. Ice crystals falling. Parhelia of 22°; Sun pillar

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	31	SSW	4.5
216	24	SSW	8.5
414	21	SSW	8.5
612	27	SSW	7.6
801	26	SSW	6.1
990	21	SSW	6.0
1,170	17	SSW	6.2

No. 911—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
1,350	17	SSW	6.8
1,530	22	SSW	7.5
1,710	26	SSW	7.6
1,890	25	SSW	7.5
2,070	23	SSW	7.8
2,250	24	SSW	7.9
2,430	28	SSW	7.4
2,610	31	SSW	6.7
2,790	36	SW	6.5
2,970	40	SW	6.1
3,150	37	SW	6.2
3,330	36	SW	6.8
3,510	38	SW	6.7
3,690	36	SW	5.6
3,870	41	SW	5.3
4,050	55	SW	6.3
4,230	63	WSW	7.3
4,410	64	WSW	8.0
4,590	67	WSW	8.3
4,770	72	WSW	7.8
4,950	82	W	8.0
5,130	93	W	7.5
5,310	101	W	7.3
5,490	107	WNW	7.4
5,670	118	WNW	8.4
5,850	113	WNW	10.5
6,030	108	WNW	12.8
6,210	107	WNW	12.7
6,390	107	WNW	12.2
6,570	109	WNW	12.7
6,750	111	WNW	12.8
6,930	113	WNW	13.2
7,110	110	WNW	13.3
7,290	105	WNW	14.2
7,470	101	W	15.3
7,650	102	WNW	15.0
7,830	105	WNW	14.3
8,010	106	WNW	12.6
8,190	107	WNW	11.8
8,370	94	W	12.8
8,550	84	W	14.0

Disappearance: Bursting.

No. 912. Dec. 27, 1934; 8h 35m. Clouds: Few ASt SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	0	S	1.8
216	353	S	2.7
414	327	SSE	3.4
612	319	SE	4.4
801	321	SE	6.4
990	323	SE	7.7
1,170	320	SE	8.6
1,350	320	SE	8.7
1,530	323	SE	8.8
1,710	324	SE	8.6
1,890	322	SE	8.7
2,070	319	SE	8.2
2,250	317	SE	7.0
2,430	314	SE	5.6
2,610	325	SE	4.0
2,790	359	S	4.7
2,970	357	S	6.7
3,150	343	SSE	7.3
3,330	334	SSE	6.7
3,510	326	SE	6.2
3,690	318	SE	5.0
3,870	327	SSE	4.0

No. 912—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
4,050	335	SSE	4.0
4,230	332	SSE	3.5
4,410	330	SSE	3.3
4,590	328	SSE	3.7
4,770	326	SE	4.4
4,950	322	SE	4.2
5,130	320	SE	4.0
5,310	317	SE	4.1
5,490	318	SE	5.0
5,670	322	SE	5.0
5,850	319	SE	5.2
6,030	315	SE	5.3
6,210	315	SE	4.5
6,390	322	SE	4.0
6,570	321	SE	3.7
6,750	320	SE	3.5
6,930	327	SSE	2.7
7,110	335	SSE	1.8
7,290	330	SSE	1.9
7,470	326	SE	2.5
7,650	312	SE	3.3
7,830	306	SE	4.4
8,010	307	SE	5.5
8,190	304	SE	6.0
8,370	305	SE	6.5
8,550	296	ESE	6.5
8,730	290	ESE	6.6
8,910	295	ESE	7.0

Disappearance: Bursting.

No. 913. Dec. 27, 1934; 13h 20m. Clouds: 1 ACu SE, 1 ASt SE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	278	E.	6.3
216	300	ESE	7.0
414	306	SE	8.9
612	307	SE	7.7
801	313	SE	6.4
990	320	SE	6.8
1,170	331	SSE	6.4
1,350	331	SSE	6.8
1,530	328	SSE	7.0
1,710	324	SSE	7.2
1,890	318	SE	7.4
2,070	310	SE	7.0
2,250	310	SE	7.6
2,430	318	SE	7.3
2,610	322	SE	6.7
2,790	318	SE	7.3
2,970	311	SE	7.3
3,150	306	SE	6.5
3,330	301	ESE	5.5
3,510	299	ESE	5.0
3,690	303	ESE	6.1
3,870	298	ESE	7.0
4,050	293	ESE	6.6
4,230	294	ESE	6.2
4,410	298	ESE	4.9
4,590	313	SE	3.9
4,770	318	SE	4.5
4,950	318	SE	5.3
5,130	317	SE	5.0
5,310	322	SE	4.5
5,490	330	SSE	5.5
5,670	326	SE	6.5
5,850	316	SE	6.7
6,030	309	SE	5.5
6,210	309	SE	5.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 913—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6, 390	306	SE	5. 3
6, 570	300	ESE	5. 1
6, 750	296	ESE	5. 7
6, 930	295	ESE	6. 0
7, 110	295	ESE	5. 1
7, 290	296	ESE	4. 5
7, 470	294	ESE	5. 1
7, 650	295	ESE	4. 4
7, 830	295	ESE	4. 5
8, 010	291	ESE	5. 0
8, 190	299	ESE	5. 2
8, 370	309	SE	11. 5
8, 550	308	SE	17. 8
8, 730	307	SE	18. 0

Disappearance: Bursting. ACu clds. show bright iridescence when they pass across sun.

No. 914. Dec. 28, 1934; 8h 10m. Clouds: Few ACu E, Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	5. 4
216	281	E	7. 2
414	284	ESE	5. 9
612	288	ESE	5. 6
801	289	ESE	6. 2
990	289	ESE	6. 3
1, 170	276	E	7. 0
1, 350	268	E	7. 4
1, 530	271	E	8. 0
1, 710	273	E	9. 0
1, 890	276	E	8. 2
2, 070	277	E	7. 0
2, 250	281	E	8. 2
2, 430	287	ESE	7. 9
2, 610	288	ESE	7. 1
2, 790	274	E	8. 0
2, 970	263	E	9. 9
3, 150	257	ENE	10. 4
3, 330	254	ENE	9. 6
3, 510	253	ENE	9. 7
3, 690	252	ENE	9. 0
3, 870	250	ENE	8. 3
4, 050	250	ENE	8. 0
4, 230	251	ENE	10. 4
4, 410	250	ENE	11. 0
4, 590	242	ENE	9. 0
4, 770	246	ENE	9. 3
4, 950	248	ENE	10. 5
5, 130	249	ENE	10. 8
5, 310	251	ENE	11. 2
5, 490	252	ENE	11. 6
5, 670	254	ENE	11. 3
5, 850	261	E	10. 9
6, 030	264	E	12. 2
6, 210	265	E	12. 5
6, 390	265	E	11. 4

Disappearance: Cut off by ACu.

No. 915. Dec. 28, 1934; 13h 08m. Clouds: Few ASt ENE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	6. 3
216	267	E	8. 2
414	260	E	6. 8

No. 915—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	251	ENE	6. 2
801	251	ENE	6. 6
990	258	ENE	7. 1
1, 170	254	ENE	7. 2
1, 350	249	ENE	7. 8
1, 530	246	ENE	8. 8
1, 710	242	ENE	10. 5
1, 890	234	NE	13. 4
2, 070	233	NE	12. 5
2, 250	238	ENE	10. 1
2, 430	233	NE	9. 8
2, 610	238	ENE	8. 3
2, 790	250	ENE	8. 4
2, 970	258	ENE	10. 6
3, 150	258	ENE	12. 2
3, 330	252	ENE	12. 6
3, 510	251	ENE	12. 5
3, 690	248	ENE	11. 4
3, 870	246	ENE	12. 0
4, 050	247	ENE	12. 8
4, 230	247	ENE	12. 5
4, 410	246	ENE	11. 4
4, 590	247	ENE	10. 6
4, 770	248	ENE	10. 1
4, 950	248	ENE	11. 2
5, 130	251	ENE	12. 0
5, 310	253	ENE	10. 0
5, 490	252	ENE	8. 8

Disappearance: Distance.

No. 916. Dec. 28, 1934; 18h 55m. Clouds: Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	356	S	1. 3
216	313	SE	5. 0
414	305	SE	6. 0
612	310	SE	6. 4
801	307	SE	5. 7
990	290	ESE	5. 5
1, 170	284	ESE	7. 0
1, 350	281	E	8. 0
1, 530	281	E	8. 6
1, 710	280	E	8. 5
1, 890	278	E	9. 4
2, 070	281	E	10. 7
2, 250	284	ESE	11. 6
2, 430	287	ESE	11. 9
2, 610	287	ESE	11. 4
2, 790	287	ESE	11. 0
2, 970	281	E	10. 5
3, 150	277	E	9. 4
3, 330	277	E	9. 0
3, 510	277	E	8. 7
3, 690	273	E	7. 9
3, 870	273	E	7. 8
4, 050	272	E	8. 3
4, 230	270	E	7. 5
4, 410	268	E	6. 4
4, 590	270	E	6. 1
4, 770	273	E	6. 2
4, 950	274	E	6. 1
5, 130	276	E	6. 5
5, 310	278	E	7. 7
5, 490	278	E	7. 2
5, 670	280	E	8. 3
5, 850	279	E	9. 8
6, 030	274	E	8. 8
6, 210	268	E	9. 0

No. 916—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6, 390	267	E	9. 5
6, 570	263	E	9. 2
6, 750	264	E	9. 0
6, 930	266	E	9. 8
7, 110	269	E	9. 1
7, 290	272	E	7. 8
7, 470	285	ESE	7. 0
7, 650	285	ESE	6. 2
7, 830	266	E	7. 7
8, 010	268	E	10. 0
8, 190	271	E	9. 6

Disappearance: Distance.

No. 917. Dec. 29, 1934; 8h 30 m. Clouds: Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	311	SE	4. 0
216	292	ESE	5. 0
414	283	ESE	3. 0
612	271	E	4. 5
801	268	E	6. 4
990	270	E	6. 9
1, 170	273	E	6. 4
1, 350	277	E	5. 7
1, 530	269	E	5. 5
1, 710	257	ENE	5. 5
1, 890	244	ENE	6. 0
2, 070	236	NE	7. 1
2, 250	237	ENE	5. 9
2, 430	238	ENE	4. 2
2, 610	242	ENE	4. 3
2, 790	242	ENE	4. 5
2, 970	239	ENE	4. 1
3, 150	242	ENE	3. 4
3, 330	252	ENE	3. 4
3, 510	259	E	3. 6
3, 690	263	E	4. 0
3, 870	266	E	5. 5
4, 050	267	E	8. 0
4, 230	273	E	8. 8
4, 410	286	ESE	8. 3
4, 590	293	ESE	8. 2
4, 770	294	ESE	9. 2
4, 950	290	ESE	10. 5
5, 130	286	ESE	11. 0
5, 310	282	ESE	10. 0
5, 490	280	E	10. 2
5, 670	280	E	10. 8
5, 850	282	ESE	10. 9
6, 030	283	ESE	10. 8

Disappearance: Bursting or losing.

No. 918. Dec. 29, 1934; 14h 05 m. Clouds: 1 Ci E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	324	SE	3. 6
216	308	SE	5. 1
414	303	ESE	6. 9
612	306	SE	7. 0
801	314	SE	6. 5
990	315	SE	6. 2
1, 170	308	SE	6. 4
1, 350	303	ESE	6. 2
1, 530	300	ESE	6. 1

No. 918—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1, 710	296	ESE	6. 7
1, 890	296	ESE	7. 0
2, 070	297	ESE	6. 8
2, 250	299	ESE	6. 8
2, 430	296	ESE	7. 0
2, 610	293	ESE	6. 7
2, 790	291	ESE	6. 7
2, 970	289	ESE	6. 7
3, 150	293	ESE	6. 6
3, 330	302	ESE	5. 2
3, 510	304	SE	4. 5
3, 690	302	ESE	5. 0
3, 870	287	ESE	6. 5
4, 050	274	E	8. 4
4, 230	266	E	9. 8
4, 410	266	E	10. 5
4, 590	268	E	11. 5
4, 770	268	E	13. 6
4, 950	269	E	15. 0
5, 130	270	E	15. 8
5, 310	273	E	15. 2
5, 490	275	E	15. 0
5, 670	271	E	14. 6
5, 850	269	E	14. 0
6, 030	270	E	14. 6
6, 210	268	E	15. 1
6, 390	267	E	15. 0
6, 570	271	E	14. 5
6, 750	273	E	15. 2
6, 930	272	E	16. 0
7, 110	270	E	16. 7
7, 290	270	E	18. 4
7, 470	271	E	19. 6
7, 650	269	E	20. 4
7, 830	266	E	19. 8
8, 010	265	E	18. 8

Disappearance: Distance.

No. 919. Dec. 29, 1934; 21h 30m. Clouds: 4 CiSt E

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	3. 3
216	310	SE	5. 5
414	302	ESE	8. 0
612	299	ESE	8. 0
801	299	ESE	7. 2
990	310	SE	6. 2
1, 170	324	SE	6. 5
1, 350	333	SSE	7. 5
1, 530	330	SSE	8. 6
1, 710	326	SE	9. 7
1, 890	322	SE	10. 5
2, 070	316	SE	10. 2
2, 250	306	SE	9. 5
2, 430	297	ESE	8. 7
2, 610	298	ESE	7. 7
2, 790	295	ESE	8. 0
2, 970	287	ESE	8. 3
3, 150	284	ESE	8. 1
3, 330	284	ESE	9. 2
3, 510	286	ESE	10. 4
3, 690	280	E	13. 6
3, 870	276	E	15. 6
4, 050	280	E	15. 2
4, 230	283	ESE	16. 8
4, 410	282	ESE	19. 0
4, 590	281	E	19. 0
4, 770	280	E	19. 7
4, 950	276	E	20. 8

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 919—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,130	272	E	18.2
5,310	274	E	22.5
5,490	274	E	24.0
5,670	275	E	24.0
5,850	277	E	25.2

Disappearance: Distance.

No. 920. Dec. 30, 1934; 10h 38m. Clouds: Few ACu, E, Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	276	E	5.8
216	250	ENE	4.7
414	227	NE	4.7
612	228	NE	6.1
801	230	NE	6.4
990	237	ENE	6.6
1,170	247	ENE	6.3
1,350	249	ENE	6.7
1,530	250	ENE	7.0
1,710	257	ENE	8.2
1,890	260	E	9.3
2,070	261	E	9.6
2,250	260	E	10.2
2,430	259	E	11.4
2,610	259	E	11.9
2,790	257	ENE	12.9
2,970	254	ENE	14.2
3,150	252	ENE	15.7
3,330	254	ENE	16.6
3,510	259	E	16.5
3,690	262	E	15.4
3,870	264	E	14.3
4,050	274	E	14.7
4,230	279	E	15.0
4,410	278	E	14.4
4,590	276	E	13.5
4,770	272	E	13.6
4,950	271	E	14.5
5,130	272	E	14.0
5,310	273	E	13.0
5,490	267	E	13.0
5,670	269	E	13.0

Disappearance: Distance.

No. 921. Dec. 30, 1934; 18h 33m. Clouds: Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	349	S	2.0
216	346	SSE	5.3
414	327	SSE	5.3
612	315	SE	5.6
801	312	SE	5.6
990	315	SE	5.6
1,170	321	SE	5.6
1,350	333	SSE	5.5
1,530	328	SSE	6.8
1,710	312	SE	8.2
1,890	301	ESE	9.3
2,070	296	ESE	9.8
2,250	296	ESE	10.0
2,430	296	ESE	10.3
2,610	293	ESE	10.7
2,790	290	ESE	10.9
2,970	289	ESE	10.6

No. 921—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,150	289	ESE	9.6
3,330	288	ESE	9.5
3,510	290	ESE	9.4
3,690	289	ESE	9.8
3,870	282	ESE	10.8
4,050	278	E	11.6
4,230	274	E	12.0
4,410	272	E	12.0
4,590	274	E	12.0
4,770	278	E	13.0
4,950	278	E	13.1
5,130	276	E	13.3
5,310	274	E	13.1
5,490	273	E	12.7
5,670	273	E	12.7
5,850	275	E	12.0
6,030	282	ESE	12.0
6,210	282	ESE	12.7
6,390	280	E	13.0
6,570	274	E	12.8
6,750	269	E	11.4
6,930	270	E	9.5
7,110	280	E	9.2
7,290	285	ESE	10.5
7,470	285	ESE	10.1
7,650	285	ESE	9.4
7,830	283	ESE	8.6
8,010	287	ESE	9.5
8,190	290	ESE	11.8
8,370	287	ESE	13.6
8,550	285	ESE	14.2
8,730	284	ESE	11.1
8,910	284	ESE	8.8

Disappearance: Distance.

No. 922. Dec. 31, 1934; 8h 38m. Clouds: Few ASt ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	326	SE	4.0
216	290	ESE	9.0
414	291	ESE	10.0
612	297	ESE	6.7
801	291	ESE	5.5
990	280	E	4.6
1,170	273	E	3.8
1,350	267	E	4.2
1,530	266	E	5.2
1,710	263	E	6.5
1,890	267	E	6.7
2,070	277	E	6.8
2,250	284	ESE	7.4
2,430	290	ESE	8.5
2,610	294	ESE	10.2
2,790	295	ESE	11.2
2,970	293	ESE	12.4
3,150	293	ESE	13.4
3,330	292	ESE	13.1
3,510	292	ESE	13.4
3,690	294	ESE	13.2
3,870	298	ESE	12.0
4,050	304	SE	12.0
4,230	303	ESE	12.5
4,410	299	ESE	12.5
4,590	296	ESE	12.0
4,770	296	ESE	12.0
4,950	296	ESE	12.8
5,130	294	ESE	13.0
5,310	290	ESE	12.0

No. 922—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,490	286	ESE	12.0
5,670	283	ESE	13.0
5,850	282	ESE	12.8
6,030	281	E	13.0
6,210	281	E	14.1
6,390	280	E	13.6
6,570	280	E	13.6
6,750	282	ESE	13.6
6,930	282	ESE	12.8
7,110	282	ESE	12.6
7,290	283	ESE	14.2
7,470	283	ESE	15.0
7,650	280	E	13.7
7,830	281	E	12.0
8,010	283	ESE	11.6
8,190	285	ESE	9.4

Disappearance: Distance. Winds have been consistently from the E the past few days but there has been remarkably little cloudiness.

No. 923. Dec. 31, 1934; 19h 05m. Clouds: 3 Ci ESE, 5 CiSt ESE. Vis.: 9. 22° halo

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	243	ENE	1.5
216	352	S	2.2
414	350	S	4.4
612	322	SE	4.1
801	306	SE	4.1
990	307	SE	4.9
1,170	300	ESE	5.5
1,350	292	ESE	5.6
1,530	288	ESE	5.5
1,710	296	ESE	5.6
1,890	305	SE	6.6
2,070	302	ESE	8.0
2,250	299	ESE	8.7
2,430	299	ESE	8.5
2,610	297	ESE	9.1
2,790	300	ESE	10.2
2,970	302	ESE	10.7
3,150	303	ESE	10.3
3,330	299	ESE	10.2
3,510	297	ESE	11.2
3,690	301	ESE	12.0
3,870	301	ESE	12.3
4,050	300	ESE	12.5
4,230	302	ESE	12.0
4,410	302	ESE	11.6
4,590	300	ESE	11.2

Disappearance: Entered Ci, 4,590 M. P

No. 924. Jan. 1, 1935; 2h 35m. Clouds: 1 CiSt

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	265	E	1.8
216	270	E	5.3
414	345	SSE	2.9
612	312	SE	1.7
801	273	E	1.2
990	340	SSE	1.8
1,170	355	S	2.1
1,350	316	SE	1.8

No. 924—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,530	285	ESE	1.8
1,710	278	E	3.0
1,890	279	E	3.8
2,070	276	E	4.1
2,250	276	E	4.9
2,430	281	E	5.5
2,610	281	E	4.9
2,790	288	ESE	4.8
2,970	294	ESE	5.9
3,150	299	ESE	6.3
3,330	304	SE	6.8
3,510	307	SE	8.1
3,690	308	SE	9.0
3,870	308	SE	9.4
4,050	304	SE	9.5
4,230	300	ESE	9.9
4,410	299	ESE	10.0
4,590	302	ESE	10.4
4,770	303	ESE	10.3
4,950	300	ESE	9.4
5,130	296	ESE	8.6
5,310	291	ESE	8.7
5,490	295	ESE	9.3
5,670	302	ESE	11.0
5,850	309	SE	12.5
6,030	309	SE	13.9
6,210	306	SE	15.1
6,390	305	SE	14.3
6,570	303	ESE	15.2
6,750	301	ESE	16.8
6,930	300	ESE	17.2
7,110	300	ESE	17.7

Disappearance: Distance. Sea smoke appears above edge of barrier to NE and N.

No. 925. Jan. 1, 1935; 9h 40m. Clouds: Few ASt. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	277	E	6.3
216	270	E	5.3
414	238	ENE	3.3
612	233	NE	4.4
801	235	NE	5.5
990	239	ENE	5.4
1,170	244	ENE	5.7
1,350	246	ENE	6.2
1,530	242	ENE	5.9
1,710	247	ENE	4.9
1,890	264	E	4.3
2,070	274	E	4.7
2,250	274	E	3.6
2,430	275	E	4.8
2,610	283	ESE	5.6
2,790	284	ESE	6.5
2,970	282	ESE	7.3
3,150	284	ESE	7.5
3,330	288	ESE	7.8
3,510	289	ESE	7.5
3,690	288	ESE	6.5
3,870	285	ESE	6.5
4,050	269	E	7.0
4,230	266	E	6.9
4,410	250	ENE	6.9
4,590	231	NE	7.1
4,770	218	NE	7.0
4,950	217	NE	7.0
5,130	211	NNE	6.5
5,310	211	NNE	6.0

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 925—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
5,490	229	NE	5.1
5,670	226	NE	6.3
5,850	234	NE	7.0
6,030	240	ENE	6.7
6,210	250	ENE	6.0
6,390	265	E	5.5
6,570	259	E	4.8
6,750	269	E	5.4
6,930	273	E	7.5
7,110	281	E	8.8
7,290	287	ESE	9.0
7,470	291	ESE	9.2
7,650	297	ESE	10.8
7,830	303	ESE	11.6
8,010	301	ESE	13.4
8,190	303	ESE	15.0
8,370	306	SE	12.4
8,550	306	SE	11.0
8,730	298	ESE	12.8
8,910	293	ESE	13.4
9,090	294	ESE	12.0
9,270	299	ESE	11.0
9,450	303	ESE	10.0
9,630	304	SE	9.8
9,810	302	ESE	11.2
9,990	304	SE	10.1
10,170	307	SE	9.0
10,350	304	SE	9.4
10,530	295	ESE	9.8
10,710	290	ESE	10.1

Disappearance: Bursting.

No. 926. Jan. 1, 1935; 18h 20m. Clouds: Few ASt E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	270	E	5.8
216	241	ENE	6.7
414	223	NE	4.8
612	237	ENE	4.5
801	237	ENE	3.9
990	217	NE	2.8
1,170	227	NE	2.7
1,350	238	ENE	2.7
1,530	256	ENE	3.2
1,710	258	ENE	4.3
1,890	256	ENE	5.1
2,070	259	E	5.1
2,250	261	E	4.5
2,430	254	ENE	4.4
2,610	245	ENE	5.2
2,790	250	ENE	5.8
2,970	262	E	5.3
3,150	270	E	4.8
3,330	280	E	5.2
3,510	288	ESE	4.4
3,690	286	ESE	4.1
3,870	291	ESE	4.9
4,050	299	ESE	5.7
4,230	299	ESE	5.7
4,410	294	ESE	6.3
4,590	291	ESE	6.7
4,770	305	SE	6.5
4,950	315	SE	6.9
5,130	308	SE	7.4
5,310	303	ESE	7.6
5,490	305	SE	7.5
5,670	310	SE	7.9
5,850	310	SE	8.0

No. 926—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
6,030	312	SE	7.5
6,210	319	SE	6.9
6,390	324	SE	6.0
6,570	321	SE	6.5
6,750	322	SE	7.0
6,930	320	SE	8.5
7,110	316	SE	9.6

Disappearance: Abandoned.

No. 927. Jan. 2, 1935; 9h 10m. Clouds: 1 Ci, 1 ACu SE, 4 StCu N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	195	NNE	6.7
216	193	NNE	10.1
414	192	NNE	11.1
612	191	N	11.8
801	191	N	12.0
990	190	N	11.9
1,170	188	N	10.0
1,350	188	N	8.0
1,530	187	N	7.4
1,710	187	N	6.9
1,890	190	N	6.6

Disappearance: Cut off by StCu.

No. 928. Jan. 2, 1935; 14h 35m. Clouds: Few ASt, Few StCu NNE, Few Cu NNE. Vis.:8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	225	NE	4.9
216	216	NE	8.5
414	210	NNE	8.0
612	206	NNE	7.2
801	202	NNE	6.8
990	196	NNE	7.3
1,170	194	NNE	8.5
1,350	196	NNE	9.6
1,530	204	NNE	8.0
1,710	220	NE	6.8
1,890	230	NE	7.7
2,070	234	NE	8.0
2,250	232	NE	7.8
2,430	225	NE	7.8
2,610	218	NE	8.3
2,790	214	NE	8.5
2,970	210	NNE	8.3
3,150	206	NNE	8.5

Disappearance: Bursting (?).

No. 929. Jan. 2, 1935; 19h 50m. Clouds: Few Cu NE, Few StCu NE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	244	ENE	4.5
216	224	NE	9.3
414	220	NE	9.5
612	215	NE	8.3
801	212	NNE	7.5
990	214	NE	7.5
1,170	217	NE	6.9

No. 929—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,350	218	NE	6.7
1,530	220	NE	7.0
1,710	214	NE	7.7
1,890	216	NE	8.0
2,070	223	NE	7.8
2,250	217	NE	7.5
2,430	210	NNE	7.6
2,610	206	NNE	7.8
2,790	202	NNE	7.2
2,970	200	NNE	7.2
3,150	198	NNE	6.4
3,330	219	NE	4.6
3,510	234	NE	3.7
3,690	220	NE	3.2

Disappearance: Cut off by StCu.

No. 930. Jan. 3, 1935; 9h 05m. Clouds: 3 Ci (E?)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	295	ESE	5.8
216	292	ESE	10.0
414	289	ESE	9.7
612	287	ESE	9.5
801	283	ESE	9.2
990	281	E	8.0
1,170	277	E	7.3
1,350	270	E	6.8
1,530	266	E	6.0
1,710	272	E	6.0
1,890	279	E	5.8
2,070	284	ESE	5.8
2,250	286	ESE	6.0
2,430	278	E	6.0
2,610	269	E	7.3
2,790	265	E	8.0
2,970	268	E	6.2
3,150	274	E	4.5
3,330	273	E	3.3
3,510	268	E	1.8
3,690	237	ENE	1.7
3,870	231	NE	3.1
4,050	239	ENE	6.0
4,230	232	NE	6.5
4,410	206	NNE	5.4
4,590	201	NNE	5.3
4,770	206	NNE	5.0
4,950	199	NNE	5.6
5,130	191	N	7.1
5,310	190	N	9.4
5,490	187	N	10.6
5,670	185	N	10.7
5,850	188	N	10.8
6,030	186	N	10 8
6,210	186	N	11.4
6,390	189	N	12.4
6,570	188	N	11.9
6,750	189	N	11.7
6,930	189	N	11.9
7,110	189	N	12.8
7,290	189	N	15.2
7,470	188	N	15.7
7,650	187	N	14.7
7,830	188	N	14.2
8,010	190	N	12.6
8,190	189	N	9.5
8,370	192	NNE	7.6
8,550	200	NNE	7.1
8,730	202	NNE	5.9

No. 930—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
8,910	211	NNE	5.4
9,090	220	NE	7.0
9,270	224	NE	7.0
9,450	233	NE	6.4
9,630	242	ENE	6.0
9,810	254	ENE	4.6
9,990	262	E	3.4

Disappearance: Distance.

No. 931. Jan. 3, 1935; 15h 47m. Clouds: 3 Ci E, 3 CiSt E, 4 ASt E. Vis.: 8. Very lt. surface drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	303	ESE	10.7
216	295	ESE	14.5
414	289	ESE	14.2
612	286	ESE	12.1
801	286	ESE	11.4
990	285	ESE	12.0
1,170	286	ESE	12.2
1,350	286	ESE	12.0
1,530	287	ESE	12.3
1,710	285	ESE	11.8
1,890	283	ESE	10.2
2,070	286	ESE	8.4
2,250	291	ESE	7.0
2,430	302	ESE	6.5
2,610	308	SE	8.1
2,790	301	ESE	8.9
2,970	290	ESE	9.4
3,150	279	E	9.3
3,330	268	E	8.6
3,510	260	E	7.6
3,690	245	ENE	7.3
3,870	233	NE	7.6

Disappearance: Distance.

No. 932. Jan. 4, 1935; 9h 05m. Clouds: 10 St E. Vis.: 8. Very lt. surface drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	9.8
216	292	ESE	15.4
414	287	ESE	15.3
612	286	ESE	13.4
801	285	ESE	10.8
990	281	E	8.9
1,170	276	E	9.3
1,350	274	E	10.9
1,530	272	E	9.0
1,710	270	E	6.5

Disappearance: Entered St, 1,710 m.

No. 933. Jan. 4, 1935; 15h 35m. Clouds: 8 CiSt E, 1 ASt ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	273	E	4.5
216	297	ESE	8.5
414	304	SE	10.8
612	302	ESE	11.9

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 933—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
801	298	ESE	9. 8
990	295	ESE	8. 4
1, 170	294	ESE	9. 0
1, 350	299	ESE	8. 5
1, 530	308	SE	8. 2
1, 710	318	SE	8. 2
1, 890	324	SE	9. 2
2, 070	320	SE	10. 1
2, 250	313	SE	10. 7
2, 430	305	SE	10. 2
2, 610	295	ESE	9. 1
2, 790	292	ESE	8. 4
2, 970	290	ESE	10. 0
3, 150	289	ESE	11. 5
3, 330	286	ESE	10. 0
3, 510	285	ESE	9. 1
3, 690	288	ESE	9. 0
3, 870	299	ESE	8. 0
4, 050	310	SE	8. 1
4, 230	308	SE	8. 0
4, 410	299	ESE	8. 0
4, 590	291	ESE	7. 9
4, 770	280	E	8. 5
4, 950	278	E	9. 0

Disappearance: Entered CiSt, 4,950 m.

No. 934. Jan. 4, 1935; 21h 05m. Clouds: 9 ASt SE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	25	SSW	3. 3
216	318	SE	6. 3
414	314	SE	10. 5
612	309	SE	11. 9
801	305	SE	10. 4
990	303	ESE	9. 5
1, 170	301	ESE	9. 0
1, 350	304	SE	7. 7
1, 530	308	SE	7. 0
1, 710	318	SE	6. 5
1, 890	325	SE	7. 5
2, 070	322	SE	8. 3
2, 250	311	SE	8. 2
2, 430	301	ESE	8. 1
2, 610	301	ESE	7. 5
2, 790	311	SE	7. 7
2, 970	318	SE	7. 3
3, 150	322	SE	7. 3
3, 330	320	SE	7. 6
3, 510	315	SE	7. 5
3, 690	311	SE	8. 2
3, 870	309	SE	9. 0
4, 050	307	SE	9. 0

Disappearance: Entered ASt, 4,050 m.

No. 935. Jan. 5, 1935; 8h 33m. Clouds: Few Ci (WNW?). Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	13	SSW	2. 7
216	346	SSE	4. 5
414	320	SE	5. 3
612	306	SE	7. 1
801	307	SE	5. 8

No. 935—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	325	SE	4. 0
1, 170	321	SE	4. 0
1, 350	322	SE	3. 6
1, 530	329	SSE	4. 0
1, 710	327	SSE	5. 8
1, 890	321	SE	7. 2
2, 070	311	SE	7. 8
2, 250	308	SE	7. 6
2, 430	311	SE	8. 1
2, 610	311	SE	7. 8
2, 790	313	SE	5. 4
2, 970	325	SE	3. 9
3, 150	342	SSE	5. 7
3, 330	343	SSE	7. 6
3, 510	343	SSE	6. 5
3, 690	340	SSE	5. 7
3, 870	338	SSE	6. 3
4, 050	337	SSE	6. 5
4, 230	333	SSE	6. 0
4, 410	330	SSE	5. 2
4, 590	350	S	4. 9
4, 770	13	SSW	5. 3
4, 950	17	SSW	5. 6
5, 130	29	SSW	4. 8
5, 310	40	SW	4. 9
5, 490	45	SW	5. 0
5, 670	48	SW	4. 9
5, 850	48	SW	4. 7
6, 030	39	SW	4. 7
6, 210	42	SW	5. 0
6, 390	77	WSW	7. 7
6, 570	91	W	14. 5
6, 750	96	W	21. 2
6, 930	102	WNW	29. 3
7, 110	104	WNW	38. 0
7, 290	105	WNW	45. 2
7, 470	106	WNW	46. 0
7, 650	107	WNW	46. 1
7, 830	109	WNW	48. 2

Disappearance: Lost.

No. 936. Jan. 5, 1935; 10h 57m. Clouds: Few Ci, Few CiSt. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	352	S	6. 7
216	327	SSE	5. 4
414	292	ESE	4. 3
612	310	SE	5. 6
801	335	SSE	5. 4
990	341	SSE	4. 4
1, 170	336	SSE	3. 1
1, 350	339	SSE	3. 8
1, 530	331	SSE	5. 8
1, 710	322	SE	7. 5
1, 890	313	SE	8. 0
2, 070	303	ESE	7. 5
2, 250	300	ESE	7. 3
2, 430	302	ESE	8. 2
2, 610	301	ESE	8. 5
2, 790	299	ESE	7. 3
2, 970	306	SE	5. 7
3, 150	316	SE	5. 2
3, 330	320	SE	4. 4
3, 510	332	SSE	4. 8
3, 690	339	SSE	6. 0
3, 870	336	SSF	5. 9
4, 050	330	SSE	5. 5
4, 230	344	SSE	3. 4

No. 936—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
4, 410	24	SSW	1. 6
4, 590	49	SW	2. 7
4, 770	39	SW	4. 5
4, 950	30	SSW	4. 4
5, 130	27	SSW	4. 7
5, 310	36	SW	4. 8
5, 490	55	SW	4. 8
5, 670	70	WSW	5. 8
5, 850	73	WSW	5. 7
6, 030	69	WSW	4. 7
6, 210	74	WSW	4. 2
6, 390	82	W	6. 1
6, 570	90	W	11. 5
6, 750	99	W	20. 3
6, 930	102	WNW	29. 4
7, 110	104	WNW	37. 4
7, 290	104	WNW	42. 2
7, 470	105	WNW	42. 8
7, 650	106	WNW	43. 0
7, 830	108	WNW	42. 3
8, 010	109	WNW	44. 0
8, 190	110	WNW	44. 0
8, 370	110	WNW	42. 8
8, 550	110	WNW	43. 8

Disappearance: (?).

No. 937. Jan. 5, 1935; 16h. Clouds: Few Ci WNW or W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	351	S	3. 6
216	320	SE	4. 1
414	300	ESE	6. 3
612	302	ESE	7. 6
801	308	SE	5. 7
990	322	SE	5. 5
1, 170	328	SSE	7. 2
1, 350	319	SE	6. 9
1, 530	306	SE	5. 7
1, 710	311	SE	5. 5
1, 890	313	SE	5. 8
2, 070	307	SE	6. 0
2, 250	302	ESE	5. 9
2, 430	298	ESE	5. 7
2, 610	304	SE	5. 0
2, 790	313	SE	4. 2
2, 970	314	SE	3. 9
3, 150	322	SE	2. 5
3, 330	3	S	2. 5
3, 510	24	SSW	2. 3
3, 690	62	WSW	2. 5
3, 870	59	WSW	3. 5
4, 050	55	SW	3. 6
4, 230	60	WSW	3. 8
4, 410	61	WSW	4. 5
4, 590	64	WSW	4. 3
4, 770	84	W	5. 2
4, 950	87	W	7. 1
5, 130	85	W	7. 5
5, 310	81	W	8. 2
5, 490	86	W	8. 8
5, 670	93	W	9. 7
5, 850	91	W	9. 5
6, 030	93	W	11. 6
6, 210	96	W	16. 6
6, 390	98	W	22. 3
6, 570	98	W	25. 5

Disappearance: Lost.

No. 938. Jan. 5, 1935; 20h 55 m. Clouds: Few Ci W. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	1	S	5. 4
216	330	SSE	8. 8
414	309	SE	10. 5
612	304	SE	10. 5
801	317	SE	7. 7
990	339	SSE	7. 0
1, 170	348	SSE	8. 0
1, 350	348	SSE	7. 6
1, 530	343	SSE	6. 3
1, 710	339	SSE	5. 0
1, 890	334	SSE	3. 3
2, 070	331	SSE	2. 5
2, 250	327	SSE	2. 0
2, 430	330	SSE	2. 2
2, 610	333	SSE	2. 8
2, 790	341	SSE	3. 3
2, 970	1	S	3. 4
3, 150	25	SSW	3. 3
3, 330	16	SSW	2. 8
3, 510	52	SW	2. 3
3, 690	42	SW	3. 7
3, 870	57	WSW	4. 5
4, 050	98	W	5. 0
4, 230	92	W	5. 3
4, 410	91	W	5. 5
4, 590	88	W	5. 3
4, 770	88	W	5. 4
4, 950	85	W	6. 4
5, 130	82	W	7. 8
5, 310	84	W	8. 2
5, 490	84	W	8. 8
5, 670	86	W	9. 8
5, 850	88	W	12. 0
6, 030	88	W	15. 0
6, 210	86	W	20. 1
6, 390	88	W	25. 6
6, 570	90	W	28. 2
6, 750	90	W	30. 6
6, 930	90	W	33. 0
7, 110	92	W	33. 6
7, 290	95	W	34. 0
7, 470	96	W	34. 0
7, 650	94	W	35. 0
7, 830	91	W	34. 4
8, 010	92	W	34. 2
8, 190	90	W	37. 0
8, 370	90	W	37. 0
8, 550	90	W	35. 6

Disappearance: Distance.

No. 939. Jan. 6, 1935; 9h 50m. Clouds: Few Ci, Few St S. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	16	SSW	7. 6
216	6	S	9. 8
414	356	S	10. 5
612	342	SSE	11. 4
801	342	SSE	10. 1
990	341	SSE	9. 6
1, 170	346	SSE	8. 5
1, 350	346	SSE	9. 6
1, 530	347	SSE	10. 3
1, 710	352	S	9. 5
1, 890	356	S	8. 7
2, 070	359	S	7. 7
2, 250	4	S	6. 1
2, 430	12	SSW	3. 8

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 939—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,610	14	SSW	3.7
2,790	21	SSW	5.0
2,970	34	SW	6.5
3,150	43	SW	7.2
3,330	51	SW	7.9
3,510	51	SW	8.5
3,690	53	SW	8.3
3,870	58	WSW	9.3
4,050	58	WSW	11.6
4,230	56	SW	13.0
4,410	56	SW	13.5
4,590	64	WSW	13.5
4,770	68	WSW	13.4
4,950	64	WSW	11.9
5,130	68	WSW	14.0
5,310	74	WSW	16.6
5,490	72	WSW	18.6
5,670	73	WSW	23.3
5,850	77	WSW	25.5
6,030	80	W	25.5
6,210	79	W	26.6
6,390	80	W	29.0
6,570	82	W	29.0
6,750	82	W	28.0

Disappearance: Distance.

No. 940. Jan. 6, 1935; 15h 58m. Clouds: Few ACu SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	14	SSW	7.6
216	351	S	7.5
414	330	SSE	7.8
612	332	SSE	10.6
801	327	SSE	11.3
990	320	SE	10.2
1,170	325	SE	8.8
1,350	334	SSE	8.3
1,530	337	SSE	8.1
1,710	343	SSE	7.5
1,890	357	S	7.2
2,070	5	S	7.4
2,250	7	S	7.6
2,430	9	S	7.7
2,610	19	SSW	7.8
2,790	30	SSW	7.7
2,970	36	SW	8.5
3,150	37	SW	9.1
3,330	43	SW	9.3
3,510	54	SW	10.1
3,690	62	WSW	10.7
3,870	64	WSW	10.7
4,050	63	WSW	11.2
4,230	63	WSW	11.6
4,410	62	WSW	11.5
4,590	64	WSW	12.0
4,770	65	WSW	12.5
4,950	65	WSW	14.2
5,130	69	WSW	15.5
5,310	71	WSW	15.6
5,490	70	WSW	17.5
5,670	72	WSW	20.0
5,850	71	WSW	20.0
6,030	71	WSW	23.0
6,210	71	WSW	25.2
6,390	76	WSW	27.0
6,570	78	WSW	27.2
6,750	77	WSW	28.4
6,930	78	WSW	30.0

Disappearance: Distance.

No. 941. Jan. 6, 1935; 21h 38m. Clouds: Few ASt SW. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	10	S	7.6
216	359	S	12.5
414	1	S	12.2
612	7	S	10.9
801	6	S	8.5
990	0	S	7.3
1,170	4	S	7.2
1,350	7	S	7.5
1,530	5	S	7.0
1,710	7	S	6.0
1,890	11	S	5.8
2,070	12	SSW	6.8
2,250	14	SSW	7.6
2,430	13	SSW	8.3
2,610	17	SSW	9.0
2,790	25	SSW	9.0
2,970	36	SW	9.2
3,150	46	SW	9.3
3,330	50	SW	9.7
3,510	49	SW	10.5
3,690	50	SW	11.2
3,870	52	SW	11.5
4,050	56	SW	10.9
4,230	62	WSW	11.5
4,410	63	WSW	11.5
4,590	63	WSW	12.0
4,770	65	WSW	13.7
4,950	69	WSW	14.4
5,130	71	WSW	16.0
5,310	70	WSW	18.6
5,490	70	WSW	20.0

Disappearance: Distance.

No. 942. Jan. 7, 1935; 9h 20m. Clouds: 10 St S. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	354	S	7.6
216	358	S	9.2
414	357	S	10.5

Disappearance: Entered St, 414 m.

No. 943. Jan. 7, 1935; 21h 56m. Clouds: 9 St SSW. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	5.8
216	21	SSW	9.6

Disappearance: Entered St, 216 m.

No. 944. Jan. 8, 1935; 8h 40m. Clouds: 7 StCu SSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	37	SW	9.8
216	32	SSW	13.0
414	25	SSW	12.5
612	23	SSW	11.1
801	28	SSW	11.5
990	31	SSW	13.4
1,170	30	SSW	14.3

No. 944—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
1,350	26	SSW	12.8
1,530	26	SSW	11.5
1,710	28	SSW	10.9
1,890	29	SSW	10.5

Disappearance: Cut off by StCu.

No. 945. Jan. 8, 1935; 15h 35m. Clouds: 1 StCu SSW, Few FrCu-SSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	33	SSW	9.8
216	26	SSW	13.5
414	24	SSW	15.9
612	23	SSW	16.0
801	28	SSW	15.0
990	25	SSW	14.2
1,170	20	SSW	14.5
1,350	18	SSW	15.1
1,530	19	SSW	14.8
1,710	19	SSW	14.5
1,890	18	SSW	14.2

Disappearance: (?).

No. 946. Jan. 8, 1935; 15h 55m. Clouds: 1 StCu SSW, Few FrCu SSW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	26	SSW	9.4
216	25	SSW	13.3
414	22	SSW	16.5
612	24	SSW	17.0
801	26	SSW	15.3
990	22	SSW	14.5
1,170	19	SSW	14.3
1,350	19	SSW	14.9
1,530	20	SSW	14.5
1,710	19	SSW	14.2
1,890	20	SSW	13.5
2,070	19	SSW	12.2
2,250	21	SSW	13.2
2,430	24	SSW	14.0
2,610	24	SSW	14.0
2,790	26	SSW	15.0
2,970	29	SSW	16.0
3,150	28	SSW	16.3
3,330	25	SSW	15.5
3,510	24	SSW	14.1
3,690	24	SSW	13.0
3,870	25	SSW	13.1
4,050	25	SSW	14.2
4,230	23	SSW	15.0
4,410	23	SSW	16.0

Disappearance: Distance.

No. 947. Jan. 9, 1935; 8h 50m. Clouds: 0. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	32	SSW	5.4
216	3	S	8.0
414	355	S	10.0
612	355	S	10.3
801	356	S	8.9

No. 947—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	359	S	7.8
1,170	358	S	7.9
1,350	355	S	7.7
1,530	352	S	10.0
1,710	351	S	12.4
1,890	350	S	12.0
2,070	351	S	12.2
2,250	353	S	12.5
2,430	351	S	12.7
2,610	351	S	12.8
2,790	353	S	12.7
2,970	348	SSE	12.3
3,150	347	SSE	11.0
3,330	351	S	11.0
3,510	351	S	12.5
3,690	4	S	13.5
3,870	14	SSW	14.2
4,050	10	S	15.5
4,230	16	SSW	15.5
4,410	21	SSW	14.2
4,590	25	SSW	13.5
4,770	31	SSW	12.8
4,950	32	SSW	13.5
5,130	27	SSW	14.2
5,310	25	SSW	13.0
5,490	29	SSW	13.6
5,670	29	SSW	15.0
5,850	28	SSW	15.2
6,030	30	SSW	14.0
6,210	33	SSW	14.0
6,390	32	SSW	17.0
6,570	33	SSW	17.0
6,750	35	SW	18.2
6,930	36	SW	20.2
7,110	38	SW	20.2
7,290	39	SW	20.6
7,470	39	SW	20.9
7,650	40	SW	21.4
7,830	39	SW	22.5
8,010	37	SW	21.0
8,190	39	SW	21.4
8,370	37	SW	22.8

Disappearance: Distance.

No. 948. Jan. 9, 1935; 18h 23m. Clouds: Few St. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	353	S	2.7
216	354	S	7.3
414	354	S	7.2
612	2	S	6.6
801	3	S	7.3
990	354	S	8.6
1,170	355	S	9.5
1,350	359	S	10.2
1,530	359	S	10.6
1,710	7	S	10.8
1,890	12	SSW	9.9
2,070	2	S	8.1
2,250	355	S	7.1
2,430	353	S	7.0
2,610	354	S	7.0
2,790	2	S	7.1
2,970	5	S	7.0
3,150	7	S	6.7
3,330	14	SSW	6.6
3,510	16	SSW	7.0
3,690	14	SSW	6.6

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 948—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
3,870	18	SSW	6.0
4,050	19	SSW	6.5
4,230	19	SSW	6.0
4,410	21	SSW	6.0
4,590	26	SSW	5.5
4,770	28	SSW	6.0
4,950	29	SSW	8.5
5,130	31	SSW	10.2
5,310	37	SW	11.5
5,490	40	SW	12.9
5,670	38	SW	12.0
5,850	41	SW	12.0
6,030	45	SW	13.5
6,210	44	SW	14.8
6,390	46	SW	15.2
6,570	48	SW	16.5
6,750	42	SW	18.0
6,930	38	SW	18.0

Disappearance: Distance.

No. 949. Jan. 10, 1935; 9h 41m. Clouds: Few Ci NW, 1 St. W Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	191	N	4.9
216	166	NNW	4.5
414	143	NW	5.5
612	113	WNW	6.7
801	94	W	7.8
990	87	W	9.1
1,170	88	W	9.0
1,350	92	W	7.9
1,530	87	W	7.5
1,710	81	W	8.3
1,890	82	W	8.5
2,070	83	W	9.3
2,250	84	W	10.2
2,430	86	W	10.5
2,610	82	W	9.8
2,790	84	W	10.0
2,970	86	W	10.7
3,150	80	W	9.8
3,330	77	WSW	7.0
3,510	89	W	5.0
3,690	96	W	5.1
3,870	93	W	6.0
4,050	91	W	5.2
4,230	84	W	4.5
4,410	88	W	5.0
4,590	94	W	5.0
4,770	102	WNW	5.0
4,950	104	WNW	6.1
5,130	91	W	6.5
5,310	81	W	7.0

Disappearance: Background (blue sky).

No. 950. Jan. 11, 1935; 8h 30m. Clouds: 7 ACu ENE, 1 ASt ENE, 1 StCu NNE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	267	E	2.9
216	251	ENE	5.8
414	241	ENE	4.0
612	208	NNE	3.9
801	180	N	4.3

No. 950—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
990	180	N	5.3
1,170	183	N	4.5
1,350	216	NE	3.0
1,530	259	E	3.6
1,710	255	ENE	3.8
1,890	248	ENE	4.3
2,070	251	ENE	5.0
2,250	258	ENE	6.0
2,430	263	E	6.6
2,610	261	E	6.3
2,790	241	ENE	4.3
2,970	195	NNE	3.0
3,150	192	NNE	3.7
3,330	219	NE	4.8
3,510	235	NE	6.3
3,690	236	NE	7.0
3,870	232	NE	7.0
4,050	224	NE	6.0
4,230	203	NNE	7.9
4,410	205	NNE	6.8
4,590	212	NNE	9.3
4,770	210	NNE	9.3
4,950	218	NE	8.4
5,130	214	NE	9.2
5,310	207	NNE	9.6
5,490	214	NE	9.0
5,670	217	NE	9.8
5,850	223	NE	9.1
6,030	232	NE	8.9
6,210	235	NE	9.5
6,390	231	NE	8.6
6,570	237	ENE	8.7
6,750	248	ENE	7.8
6,930	259	E	7.5
7,110	282	ESE	8.0
7,290	295	ESE	9.4
7,470	295	ESE	10.9
7,650	297	ESE	12.2
7,830	298	ESE	11.9
8,010	298	ESE	11.4
8,190	298	ESE	12.0
8,370	298	ESE	12.0
8,550	296	ESE	10.9
8,730	281	E	9.0
8,910	269	E	7.8
9,090	267	E	6.3
9,270	265	E	4.7
9,450	263	E	4.3

Disappearance: Cut off by ASt.

No. 951. Jan. 11, 1935; 13h 30m. Clouds: 1 ASt E, Few ACu E. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	281	E	6.3
216	281	E	8.0
414	282	ESE	5.7
612	301	ESE	4.0
801	310	SE	3.4
990	293	ESE	1.7
1,170	226	NE	2.2
1,350	225	NE	4.2
1,530	229	NE	5.9
1,710	228	NE	7.2
1,890	228	NE	7.0
2,070	238	ENE	5.7
2,250	259	E	5.0
2,430	269	E	4.5

No. 951—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
2,610	267	E	4.4
2,790	273	E	4.2
2,970	283	ESE	3.9
3,150	276	E	4.8
3,330	261	E	5.8
3,510	256	ENE	6.2
3,690	250	ENE	6.8
3,870	240	ENE	7.4
4,050	233	NE	8.1
4,230	228	NE	9.8
4,410	222	NE	11.4
4,590	220	NE	11.6
4,770	224	NE	10.7
4,950	229	NE	9.8
5,130	237	ENE	9.2
5,310	238	ENE	9.6
5,490	232	NE	10.3
5,670	235	NE	10.5
5,850	235	NE	10.3
6,030	239	ENE	11.2
6,210	238	ENE	12.4
6,390	243	ENE	12.8
6,570	249	ENE	14.0
6,750	250	ENE	15.4
6,930	255	ENE	15.0
7,110	257	ENE	14.9
7,290	254	ENE	15.4
7,470	254	ENE	16.3
7,650	253	ENE	17.3
7,830	251	ENE	17.8
8,010	252	ENE	15.8
8,190	254	ENE	14.0

Disappearance: Distance.

No. 952. Jan. 12, 1935; 9h 55m. Clouds: 10 St ESE. Vis.: 6

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	296	ESE	5.4
216	293	ESE	7.0

Disappearance: Entered St, 216 m.

No. 953. Jan. 12, 1935; 22h 15m. Clouds: 9 St S. Vis: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	18	SSW	5.4
216	5	S	3.8

Disappearance: Entered St, 216 m.

No. 954. Jan. 13, 1935; 15h 32m. Clouds: 10 St SSE. Vis.: 5.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	5	S	4.5
216	345	SSE	4.0
315	333	SSE	3.5

Disappearance: Entered St, 315 m.

No. 955. Jan. 14, 1935; 9h 05m. Clouds: 10 St ESE. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	3.6
216	291	ESE	3.9
414	295	ESE	3.5

Disappearance: Entered St, 414 m.

No. 956. Jan. 15, 1934; 8h 46m. Clouds: 10 St WNW. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	334	SSE	2.2
216	14	SSW	1.8
414	98	W	2.5
612	104	WNW	3.5
706	105	WNW	3.5

Disappearance: Entered St, 706 m.

No. 957. Jan. 16, 1935; 8h 33m. Clouds: 10 St SW. Vis.: 5

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	52	SW	3.1
216	52	SW	6.0
414	48	SW	6.3

Disappearance: Entered St, 414 m.

No. 958. Jan. 17, 1935; 8h 45m. Clouds: 10 St SSE. Vis.: 6.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	17	SSW	3.1
216	7	S	3.0
414	339	SSE	2.6
612	326	SE	3.6
801	324	SE	4.5
990	330	SSE	5.1
1,170	338	SSE	6.0
1,350	345	SSE	7.6
1,530	348	SSE	8.5

Disappearance: Entered St, 1,530 m.

No. 959. Jan. 17, 1935; 20h 35m. Clouds: 5 StCu SE, 4 St SE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	12	SSW	2.2
216	12	SSW	4.3
414	337	SSE	4.2
612	310	SE	4.5
801	320	SE	3.7
990	322	SE	3.6
1,170	306	SE	3.5

Disappearance: Entered St. 1,170 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 960. Jan. 18, 1935; 8h 50m. Clouds: 1 StCu NE, 9 St NE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	31	SSW	1.5
216	295	ESE	2.0
414	265	E	3.9
612	261	E	3.7
801	243	ENE	3.5
990	224	NE	4.0
1,170	222	NE	4.0
1,350	224	NE	4.5
1,530	232	NE	8.0
1,620	236	NE	11.2

Disappearance: Entered St 1,620 m.

No. 961. Jan. 19, 1935; 9h 10m. Clouds: 4 StCu NE, 6 St NE. Vis.: 6. Lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	279	E	7.6
216	259	E	8.7
414	224	NE	6.1
612	194	NNE	5.0
801	211	NNE	5.4
990	216	NE	5.1
1,170	222	NE	4.4
1,350	226	NE	3.5
1,530	227	NE	3.6
1,710	226	NE	3.7

Disappearance: Entered St, 1,710 m. Intermittent snow.

No. 962. Jan. 19, 1935; 20h 30m. Clouds: 9 St ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	289	ESE	5.8
216	280	E	5.5
414	269	E	5.8
612	267	E	6.0
801	258	ENE	5.7
990	251	ENE	6.0

Disappearance: Entered St, 990 m.

No. 963. Jan. 20, 1935; 9h 02m. Clouds: 1 ASt ESE, 2 StCu E. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	280	E	8.5
216	269	E	9.0
414	260	E	7.7
612	260	E	6.3
801	272	E	3.7
990	298	ESE	4.0
1,170	297	ESE	4.4
1,350	293	ESE	4.0
1,530	295	ESE	4.2
1,710	288	ESE	5.0
1,890	281	E	5.7
2,070	278	E	6.5
2,250	284	ESE	7.2
2,430	292	ESE	7.8

No. 963—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
2,610	288	ESE	8.5
2,790	289	ESE	9.0
2,970	294	ESE	7.4
3,150	314	SE	4.1
3,330	0	S	2.8
3,510	33	SSW	3.5
3,690	51	SW	5.0
3,870	56	SW	5.8
4,050	52	SW	6.2
4,230	55	SW	6.8
4,410	60	WSW	7.7
4,590	63	WSW	7.9
4,770	64	WSW	8.2
4,950	65	WSW	8.7
5,130	67	WSW	8.8
5,310	68	WSW	8.8
5,490	69	WSW	10.0
5,670	68	WSW	10.4
5,850	65	WSW	10.4
6,030	67	WSW	11.8
6,210	69	WSW	12.2
6,390	73	WSW	12.5
6,570	74	WSW	12.5
6,750	77	WSW	12.2
6,930	78	WSW	12.5

Disappearance: Cut off by StCu.

No. 964. Jan. 21, 1935; 9h 00m. Clouds: 7 ACu ESE, 1 ASt ESE. Vis.: 9

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	54	WSW	2.7
216	30	SSW	5.5
414	29	SSW	5.0
612	24	SSW	4.1
801	11	S	3.6
990	8	S	3.7
1,170	4	S	3.9
1,350	2	S	4.4
1,530	4	S	4.9
1,710	354	S	4.3
1,890	339	SSE	3.7
2,070	332	SSE	3.9
2,250	336	SSE	4.6
2,430	336	SSE	5.8
2,610	330	SSE	6.8
2,790	328	SSE	5.7
2,970	325	SE	3.8
3,150	320	SE	2.9
3,330	314	SE	2.9
3,510	298	ESE	3.0
3,690	289	ESE	3.0

Disappearance: Entered ACu, 3,690 m.

No. 965. Jan. 21, 1935; 20h 30m. Clouds: Few StCu W, Few St W. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	60	WSW	1.1
216	64	WSW	5.5
414	71	WSW	6.7
612	76	WSW	7.2
801	83	W	7.6

No. 965—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
990	90	W	7.6
1,170	95	W	7.5
1,350	97	W	7.9
1,530	99	W	8.9
1,710	101	W	9.8
1,890	103	WNW	9.9
2,070	100	W	10.2
2,250	93	W	10.7
2,430	95	W	9.7
2,610	87	W	8.6
2,790	77	WSW	8.7
2,970	71	WSW	9.0
3,150	68	WSW	9.8
3,330	63	WSW	10.5
3,510	61	WSW	11.3
3,690	56	SW	12.0
3,870	57	SW	14.0
4,050	56	SW	14.0

Disappearance: Distance (high haze).

No. 966. Jan. 22, 1935; 8h 40m. Clouds: 9 StCu SW.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	43	SW	3.1
216	45	SW	4.0

Disappearance: Entered StCu, 216m.

No. 967. Jan. 22, 1935; 20h 08m. Clouds: 10 StCu NW. Vis.: 10, (7)

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	170	N	2.7
216	161	NNW	3.8
414	154	NNW	3.7
612	148	NNW	3.3
801	146	NW	3.4

Disappearance: Entered StCU, 801 m.

No. 968. Jan. 24, 1935; 19h 20m. Clouds: 9 CiSt, 9 StCu N. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	176	N	4.0
216	171	N	7.0
414	166	NNW	7.0
612	163	NNW	6.5
801	160	NNW	5.6
990	159	NNW	4.3
1,170	172	N	3.9
1,350	190	N	4.1
1,530	203	NNE	3.5
1,710	204	NNE	3.2

Disappearance: Cut off by StCu. The sky is nearly covered with CiSt which are visible in places through breaks in the StCu.

No. 969. Jan. 25, 1935; 9h.00m. Clouds: 5 ACu NNW, 4 ASt NNW. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	255	ENE	6.7
216	231	NE	8.6
414	219	NE	9.0
612	218	NE	8.7
801	225	NE	8.3
990	229	NE	8.9
1,170	226	NE	9.5
1,350	217	NE	10.1
1,530	229	NE	9.8
1,710	205	NNE	8.5
1,890	197	NNE	7.6
2,070	188	N	7.7
2,250	181	N	7.6
2,430	174	N	7.5
2,610	171	N	7.2
2,790	170	N	6.4
2,970	166	NNW	6.1
3,150	160	NNW	7.1
3,330	160	NNW	8.4
3,510	159	NNW	10.8
3,690	159	NNW	10.8
3,870	161	NNW	12.1
4,050	163	NNW	12.5
4,230	160	NNW	12.6
4,410	160	NNW	11.0
4,590	158	NNW	11.0
4,770	159	NNW	12.2
4,950	162	NNW	13.0

Disappearance: Entered ASt, 4,950 m.

No. 970. Jan. 25, 1935; 13h 53m. Clouds: 3 ACu N, 7 ASt N. Vis.: 8. Very lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
Surface	275	E	7.6
216	251	ENE	11.6
414	240	ENE	12.0
612	230	NE	11.9
801	223	NE	11.6
990	221	NE	11.4
1,170	221	NE	12.5
1,350	223	NE	13.3
1,530	219	NE	12.0
1,710	214	NE	10.0
1,890	209	NNE	9.3
2,070	213	NNE	9.0
2,250	213	NNE	8.6
2,430	203	NNE	8.8
2,610	201	NNE	9.5
2,790	203	NNE	10.2
2,970	206	NNE	11.4
3,150	206	NNE	12.0
3,330	196	NNE	12.0
3,510	186	N	12.0
3,690	180	N	12.0
3,870	173	N	12.0

Disappearance: Entered ASt, 3,870 m.

TABLE 27.—*Results of pilot balloon ascents at Little America*—Continued

No. 971. Jan. 25, 1935; 20h 25m. Clouds: 10 St NE. Vis.: 7. Very lt. drift

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	283	ESE	8. 9
216	255	ENE	12. 0
414	238	ENE	14. 7
612	238	ENE	17. 0
801	239	ENE	16. 5
990	236	NE	15. 0
1, 170	234	NE	14. 0
1, 350	233	NE	13. 8

Disappearance: Entered St, 1,350 m.

No. 972. Jan. 27, 1935; 13h 28m. Clouds: 10 St NNE. Vis.: 7

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	227	NE	7. 6
216	218	NE	7. 1
315	206	NNE	10. 5

Disappearance: Entered St. 315 m. The wind has continued northerly aloft for several days.

No. 973. Jan. 28, 1935; 9h 12m. Clouds: 10 St. ENE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	292	ESE	6. 7
216	266	E	5. 5
414	243	ENE	5. 5
612	244	ENE	6. 5
801	246	ENE	7. 1

Disappearance: Entered St. 801 m.

No. 974. Jan. 28, 1935; 14h 17m. Clouds: 10 St ESE. Vis.: 6. Snowing

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	272	E	5. 4
216	260	E	8. 1
414	238	ENE	7. 8

No. 974—Continued

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
612	239	ENE	5. 7
801	272	E	3. 8
990	294	ESE	5. 0
1, 080	292	ESE	6. 0

Disappearance: Entered St. 1,080 m.

No. 975. Jan. 29, 1935; 8h 30m. Clouds: 10 St NE. Vis.: 7. Snowing.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	223	NE	7. 2
216	222	NE	8. 1

Disappearance: Entered St, 216 m.

No. 976. Jan. 30, 1935; 12h 50m. Clouds: 10 St NE. Vis.: 6. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	233	NE	4. 0
216	227	NE	8. 6
414	229	NE	7. 5
612	222	NE	5. 9
801	226	NE	6. 0
990	219	NE	5. 3
1, 170	208	NNE	4. 5
1, 350	217	NE	4. 4
1, 530	227	NE	5. 0

Disappearance: Entered St, 1,530 m.

No. 977. Jan. 30, 1935; 17h 30m. Clouds: 10 St NNE. Vis.: 5. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	239	ENE	1. 8
216	219	NE	5. 5
414	213	NNE	5. 5

Disappearance: Entered St, 414 m.

No. 978. Jan. 30, 1935; 20h 25m. Clouds: —

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	242	ENE	3. 1
216	231	NE	4. 5
414	228	NE	3. 7
612	228	NE	3. 6
801	230	NE	3. 7
990	231	NE	4. 3
1, 170	227	NE	4. 2
1, 350	230	NE	2. 2
1, 530	344	SSE	1. 6
1, 710	334	SSE	3. 5
1, 890	0	S	4. 6
2, 070	358	S	4. 8
2, 250	12	SSW	4. 4
2, 430	25	SSW	4. 6
2, 610	42	SW	5. 0
2, 790	48	SW	4. 5

Disappearance: (?).

No. 979. Jan. 31, 1935; 8h 42m. Clouds: 10 St. NNW. Vis.: 8. Lt. snow.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	225	NE	2. 7
216	200	NNE	4. 7
414	180	N	4. 2
612	167	NNW	4. 0
801	164	NNW	3. 6
990	161	NNW	3. 5
1, 170	158	NNW	3. 6

Disappearance: Entered St, 1,170 m.

No. 980. Jan. 31, 1935; 13h 30m. Clouds: 10 St. NNE. Vis.: 8.

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	208	NNE	4. 3
216	198	NNE	6. 5
414	194	NNE	4. 5
612	195	NNE	3. 6

Disappearance: Entered St. 612 m.

No. 981. Feb. 1, 1935; 9h 40m. Clouds: 10 St NNE

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	275	E	1. 8
216	292	ESE	3. 1
414	300	ESE	2. 7
612	269	E	1. 5
801	213	NNE	1. 6
990	198	NNE	2. 4

Disappearance: Entered St, 990 m.

No. 982. Feb. 1, 1935; 14h 48m. Clouds: 10 St E. Vis.: 7. Lt. snow

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	256	ENE	3. 1
216	226	NE	6. 6
414	209	NNE	6. 3
612	206	NNE	7. 2
801	210	NNE	8. 5
990	237	ENE	9. 0
1, 170	263	E	9. 0

Disappearance: Entered St, 1,170 m.

No. 983. Feb. 2, 1935; 10h. Clouds: 2 ASt, 6 St (?) ESE. Vis.: 8

Altitude m.	Wind: Azimuth 0°=S 90°=W	Wind: Direction	Wind: Velocity m. p. s.
Surface	336	SSE	1. 5
216	330	SSE	4. 7
414	309	SE	7. 8
612	303	ESE	8. 9
801	300	ESE	9. 0
990	299	ESE	8. 2
1, 170	300	ESE	6. 5
1, 350	309	SE	6. 1
1, 530	314	SE	6. 2

Disappearance: Cut off by thin St. There are apparently no Ci clds.
22° solar halo.

TABLE 28.—*Pressure—hourly values, Little America*

JANUARY 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.63	29.62	29.62	29.62	29.62	29.63	29.63	29.64	29.63	29.62	29.63	29.62	29.61	29.61	29.60	29.60	29.60	29.60	29.60	29.62	29.61	29.62	29.62	29.63	29.618
2	29.63	29.63	29.63	29.63	29.62	29.62	29.61	29.61	29.62	29.63	29.63	29.63	29.63	29.63	29.64	29.64	29.65	29.66	29.66	29.67	29.69	29.70	29.71	29.71	29.645
3	29.71	29.72	29.72	29.73	29.74	29.75	29.75	29.76	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.78	29.77	29.77	29.77	29.76	29.76	29.75	29.75	29.75	29.755
4	29.75	29.74	29.73	29.72	29.71	29.72	29.72	29.71	29.72	29.71	29.70	29.69	29.78	29.67	29.67	29.67	29.68	29.68	29.68	29.68	29.68	29.68	29.67	29.67	29.697
5	29.68	29.68	29.68	29.67	29.67	29.67	29.67	29.67	29.66	29.68	29.68	29.67	29.67	29.67	29.67	29.66	29.66	29.65	29.65	29.65	29.65	29.66	29.67	29.67	29.667
6	29.67	29.67	29.67	29.67	29.68	29.67	29.67	29.66	29.66	29.66	29.66	29.65	29.64	29.64	29.63	29.63	29.63	29.63	29.62	29.62	29.62	29.62	29.61	29.61	29.645
7	29.61	29.62	29.61	29.60	29.59	29.58	29.58	29.58	29.58	29.57	29.56	29.55	29.53	29.52	29.50	29.48	29.46	29.46	29.46	29.45	29.45	29.44	29.44	29.44	29.528
8	29.45	29.45	29.44	29.45	29.46	29.46	29.47	29.49	29.50	29.50	29.50	29.50	29.51	29.52	29.54	29.55	29.55	29.56	29.58	29.59	29.61	29.61	29.62	29.62	29.522
9	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.63	29.63	29.62	29.62	29.61	29.60	29.58	29.57	29.55	29.52	29.620
10	29.51	29.50	29.47	29.45	29.43	29.40	29.39	29.38	29.37	29.36	29.35	29.34	29.33	29.32	29.32	29.32	29.33	29.33	29.34	29.35	29.35	29.39	29.39	29.38	29.379
11	29.38	29.38	29.39	29.40	29.41	29.41	29.42	29.43	29.43	29.46	29.48	29.51	29.52	29.53	29.54	29.56	29.56	29.57	29.57	29.58	29.60	29.62	29.62	29.64	29.500
12	29.64	29.64	29.64	29.64	29.64	29.65	29.65	29.65	29.65	29.64	29.64	29.64	29.63	29.62	29.61	29.59	29.58	29.56	29.55	29.54	29.54	29.54	29.53	29.52	29.605
13	29.51	29.51	29.50	29.50	29.50	29.49	29.49	29.49	29.48	29.48	29.47	29.47	29.46	29.46	29.46	29.47	29.47	29.45	29.45	29.45	29.45	29.45	29.46	29.46	29.474
14	29.47	29.48	29.49	29.49	29.48	29.49	29.49	29.49	29.49	29.49	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.49	29.49	29.49	29.49	29.484
15	29.49	29.51	29.51	29.51	29.51	29.52	29.52	29.52	29.53	29.54	29.55	29.56	29.57	29.57	29.59	29.61	29.61	29.61	29.61	29.62	29.63	29.63	29.63	29.63	29.566
16	29.64	29.65	29.65	29.64	29.63	29.63	29.63	29.61	29.61	29.60	29.59	29.57	29.56	29.55	29.54	29.53	29.51	29.52	29.48	29.45	29.44	29.44	29.43	29.42	29.555
17	29.41	29.39	29.39	29.36	29.35	29.34	29.33	29.31	29.30	29.29	29.28	29.26	29.26	29.25	29.25	29.23	29.21	29.20	29.18	29.17	29.16	29.15	29.14	29.13	29.264
18	29.11	29.10	29.08	29.07	29.05	29.03	29.01	29.00	28.98	28.97	28.95	29.04	29.03	29.03	29.03	29.03	29.04	29.04	29.05	28.97	29.00	29.03	29.03	29.05	29.030
19	29.03	29.03	29.07	29.07	29.08	29.10	29.11	29.12	29.13	29.14	29.16	29.18	29.20	29.21	29.21	29.22	29.22	29.22	29.23	29.24	29.25	29.26	29.26	29.26	29.167
20	29.27	29.28	29.28	29.29	29.29	29.30	29.31	29.33	29.35	29.37	29.39	29.42	29.44	29.45	29.46	29.47	29.48	29.49	29.49	29.49	29.49	29.50	29.50	29.50	29.402
21	29.51	29.52	29.52	29.52	29.53	29.53	29.54	29.54	29.54	29.53	29.52	29.51	29.51	29.50	29.51	29.51	29.50	29.50	29.51	29.52	29.50	29.49	29.48	29.47	29.513
22	29.46	29.45	29.45	29.45	29.46	29.45	29.44	29.44	29.43	29.42	29.42	29.41	29.40	29.39	29.38	29.38	29.37	29.36	29.35	29.35	29.35	29.35	29.36	29.35	29.403
23	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.34	29.34	29.34	29.33	29.33	29.33	29.34	29.34	29.34	29.34	29.35	29.35	29.36	29.345
24	29.37	29.37	29.37	29.38	29.37	29.37	29.37	29.37	29.36	29.36	29.35	29.34	29.34	29.33	29.33	29.33	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.31	29.344
25	29.30	29.30	29.28	29.28	29.26	29.25	29.25	29.23	29.21	29.20	29.19	29.18	29.15	29.14	29.12	29.11	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.177
26	29.11	29.09	29.06	29.05	29.04	29.03	29.02	29.02	29.01	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.02	29.03	29.05	29.05	29.06	29.08	29.09	29.10	29.043
27	29.11	29.13	29.13	29.14	29.16	29.19	29.20	29.20	29.24	29.26	29.29	29.30	29.31	29.33	29.33	29.35	29.36	29.37	29.38	29.38	29.38	29.38	29.38	29.39	29.279
28	29.39	29.40	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.39	29.37	29.35	29.33	29.32	29.31	29.29	29.27	29.25	29.22	29.20	29.16	29.12	29.09	29.05	29.308
29	29.02	29.00	29.01	28.99	28.99	28.97	28.96	28.94	28.94	28.94	28.95	28.96	28.97	28.99	29.01	29.06	29.08	29.11	29.14	29.16	29.19	29.21	29.24	29.27	29.046
30	29.29	29.31	29.32	29.33	29.34	29.35	29.36	29.37	29.37	29.37	29.37	29.38	29.37	29.36	29.34	29.33	29.33	29.32	29.31	29.31	29.29	29.28	29.26	29.26	29.330
31	29.24	29.22	29.19	29.17	29.14	29.12	29.10	29.08	29.06	29.05	29.03	29.01	29.01	29.01	29.01	29.01	29.02	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.066
Mean	29.431	29.431	29.429	29.426	29.424	29.423	29.422	29.420	29.420	29.419	29.418	29.419	29.416	29.415	29.414	29.415	29.413	29.413	29.413	29.411	29.412	29.415	29.413	29.412	29.419

FEBRUARY 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
	29.02	29.01	29.01	29.01	29.01	29.02	29.02	29.03	29.03	29.03	29.04	29.04	29.02	29.02	29.03	29.02	29.01	29.01	29.01	29.01	29.02	29.03	29.04	29.04	29.022
	29.05	29.06	29.06	29.07	29.09	29.10	29.11	29.12	29.14	29.15	29.17	29.18	29.18	29.19	29.20	29.21	29.23	29.23	29.24	29.24	29.25	29.25	29.27	29.28	29.170
	29.29	29.29	29.30	29.32	29.33	29.33	29.35	29.36	29.36	29.36	29.36	29.35	29.34	29.33	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.32	29.34	29.35	29.327
4	29.37	29.38	29.39	29.39	29.40	29.40	29.40	29.41	29.39	29.40	29.40	29.40	29.40	29.40	29.39	29.37	29.36	29.34	29.32	29.31	29.29	29.26	29.26	29.24	29.361
5	29.24	29.23	29.22	29.20	29.19	29.19	29.17	29.16	29.14	29.14	29.13	29.12	29.10	29.09	29.09	29.08	29.07	29.07	29.07	29.07	29.08	29.09	29.09	29.10	29.130
6	29.10	29.10	29.11	29.11	29.11	29.12	29.13	29.13	29.15	29.16	29.17	29.18	29.19	29.21	29.23	29.23	29.24	29.27	29.29	29.29	29.30	29.30	29.31	29.33	29.198
7	29.34	29.34	29.35	29.35	29.35	29.36	29.36	29.36	29.37	29.37	29.37	29.37	29.36	29.35	29.33	29.31	29.29	29.27	29.26	29.23	29.22	29.20	29.18	29.16	29.310
8	29.14	29.11	29.09	29.07	29.06	29.05	29.05	29.03	29.03	29.02	29.00	28.99	28.99	28.99	28.97	28.97	28.97	28.95	28.94	28.94	28.94	28.93	28.92	28.91	29.003
9	28.91	28.90	28.89	28.90	28.90	28.90	28.91	28.91	28.92	28.93	28.94	28.94	28.94	28.95	28.95	28.96	28.97	28.98	28.98	28.98	28.98	28.99	28.99	29.00	28.943
10	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.03	29.03	29.03	29.01	29.01	29.00	29.00	28.99	28.98	28.98	28.98	28.97	29.019
11	28.97	28.95	28.94	28.93	28.92	28.90	28.89	28.89	28.87	28.86	28.85	28.84	28.84	28.84	28.83	28.83	28.84	28.83	28.83	28.81	28.80	28.80	28.79	28.78	28.860
12	28.76	28.75	28.74	28.74	28.74	28.75	28.76	28.77	28.78	28.78	28.79	28.78	28.78	28.78	28.77	28.79	28.80	28.81	28.83	28.84	28.86	28.89	28.90	28.90	28.795
13	28.91	28.92	28.93	28.93	28.94	28.95	28.95	28.95	28.97	28.97	28.98	28.99	28.99	29.00	29.00	29.01	29.01	29.02	29.02	29.03	29.04	29.04	29.04	29.04	28.985
14	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.04	29.04	29.03	29.03	29.04	29.04	29.04	29.05	29.06	29.07	29.08	29.08	29.09	29.048
15	29.09	29.09	29.10	29.10	29.10	29.11	29.11	29.11	29.12	29.13	29.14	29.15	29.15	29.14	29.13	29.12	29.11	29.11	29.12	29.13	29.14	29.14	29.14	29.15	29.122
16	29.15	29.15	29.15	29.16	29.16	29.17	29.19	29.21	29.23	29.23	29.25	29.26	29.28	29.28	29.27	29.27	29.27	29.28	29.29	29.31	29.31	29.31	29.32	29.32	29.243
17	29.32	29.32	29.31	29.30	29.30	29.32	29.35	29.36	29.36	29.36	29.36	29.36	29.35	29.34	29.32	29.32	29.30	29.31	29.33	29.33	29.33	29.33	29.33	29.32	29.330
18	29.32	29.30	29.30	29.29	29.28	29.28	29.29	29.31	29.30	29.31	29.31	29.31	29.31	29.30	29.30	29.29	29.28	29.29	29.29	29.30	29.30	29.31	29.31	29.29	29.299
19	29.28	29.27	29.27	29.27	29.28	29.28	29.31	29.32	29.33	29.33	29.34	29.34	29.34	29.34	29.34	29.33	29.34	29.33	29.35	29.36	29.36	29.36	29.35	29.34	29.323
20	29.33	29.33	29.33	29.32	29.33	29.33	29.34	29.37	29.38	29.39	29.39	29.39	29.39	29.39	29.39	29.38	29.39	29.39	29.39	29.40	29.40	29.41	29.42	29.41	29.375
21	29.41	29.40	29.40	29.40	29.41	29.41	29.42	29.44	29.44	29.45	29.46	29.46	29.46	29.47	29.47	29.47	29.48	29.50	29.50	29.50	29.51	29.51	29.51	29.51	29.458
22	29.50	29.49	29.48	29.48	29.47	29.46	29.48	29.50	29.51	29.51	29.51	29.50	29.49	29.48	29.47	29.45	29.45	29.45	29.44	29.43	29.42	29.42	29.41	29.41	29.467
23	29.40	29.39	29.37	29.36	29.36	29.37	29.37	29.37	29.35	29.33	29.32	29.31	29.31	29.31	29.30	29.29	29.28	29.27	29.26	29.24	29.23	29.22	29.19	29.18	29.307
24	29.17	29.16	29.15	29.15	29.14	29.15	29.15	29.16	29.18	29.20	29.22	29.23	29.23	29.24	29.25	29.25	29.25	29.26	29.26	29.27	29.27	29.28	29.29	29.29	29.217
25	29.30	29.31	29.32	29.34	29.35	29.36	29.37	29.39	29.40	29.40	29.42	29.43	29.44	29.44	29.44	29.44	29.44	29.44	29.45	29.46	29.47	29.47	29.47	29.47	29.409
26	29.47	29.47	29.46	29.46	29.45	29.45	29.45	29.45	29.45	29.42	29.41	29.40	29.39	29.37	29.36	29.36	29.35	29.34	29.33	29.32	29.31	29.31	29.30	29.28	29.390
27	29.27	29.26	29.25	29.24	29.23	29.23	29.23	29.22	29.21	29.21	29.20	29.19	29.19	29.19	29.18	29.18	29.17	29.16	29.17	29.17	29.18	29.17	29.17	29.17	29.202
28	29.17	29.16	29.16	29.16	29.16	29.15	29.16	29.16	29.17	29.18	29.18	29.19	29.20	29.20	29.20	29.21	29.23	29.24	29.25	29.26	29.27	29.28	29.30	29.31	29.206
Mean	29.190	29.186	29.184	29.183	29.183	29.186	29.193	29.199	29.203	29.204	29.208	29.207	29.205	29.204	29.199	29.196	29.196	29.196	29.199	29.200	29.201	29.203	29.204	29.201	29.197

TABLE 28.—*Pressure—hourly values, Little America*—Continued

MARCH 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.32	29.32	29.33	29.34	29.35	29.37	29.39	29.40	29.41	29.42	29.43	29.43	29.43	29.44	29.43	29.44	29.46	29.47	29.48	29.49	29.50	29.52	29.52	29.51	29.425
2	29.50	29.50	29.50	29.49	29.49	29.50	29.50	29.49	29.49	29.48	29.48	29.48	29.47	29.45	29.45	29.44	29.43	29.42	29.40	29.40	29.40	29.41	29.41	29.41	29.458
3	29.41	29.40	29.40	29.39	29.39	29.39	29.38	29.38	29.38	29.38	29.38	29.39	29.38	29.37	29.37	29.36	29.36	29.36	29.36	29.35	29.35	29.36	29.37	29.37	29.376
4	29.35	29.34	29.34	29.33	29.33	29.33	29.33	29.33	29.34	29.34	29.33	29.31	29.31	29.32	29.32	29.33	29.34	29.35	29.36	29.37	29.38	29.40	29.41	29.41	29.346
5	29.41	29.41	29.41	29.42	29.43	29.44	29.45	29.45	29.45	29.45	29.45	29.45	29.44	29.44	29.44	29.44	29.43	29.43	29.43	29.43	29.43	29.41	29.39	29.37	29.429
6	29.35	29.33	29.30	29.27	29.23	29.20	29.18	29.16	29.13	29.10	29.09	29.07	29.05	29.03	29.03	29.02	29.01	29.00	28.99	28.99	28.99	28.98	28.99	28.99	29.103
7	28.98	28.99	28.99	28.98	28.98	28.98	28.99	29.01	29.03	29.04	29.06	29.07	29.08	29.09	29.10	29.10	29.11	29.13	29.14	29.15	29.17	29.18	29.20	29.21	29.073
8	29.22	29.22	29.22	29.22	29.21	29.23	29.25	29.28	29.32	29.36	29.39	29.42	29.45	29.47	29.50	29.52	29.54	29.57	29.60	29.61	29.63	29.64	29.65	29.66	29.424
9	29.66	29.64	29.63	29.61	29.60	29.59	29.55	29.52	29.45	29.43	29.36	29.29	29.22	29.14	29.10	29.02	28.96	28.89	28.84	28.80	28.81	28.81	28.82	28.88	29.234
10	28.95	29.01	29.08	29.13	29.17	29.22	29.26	29.30	29.32	29.35	29.39	29.39	29.40	29.40	29.40	29.41	29.42	29.43	29.43	29.43	29.41	29.39	29.38	29.33	29.308
11	29.28	29.22	29.18	29.16	29.15	29.17	29.20	29.21	29.26	29.29	29.32	29.36	29.38	29.40	29.42	29.44	29.46	29.48	29.48	29.50	29.50	29.50	29.50	29.50	29.348
12	29.47	29.45	29.42	29.39	29.36	29.35	29.31	29.29	29.27	29.26	29.23	29.20	29.19	29.17	29.16	29.14	29.11	29.10	29.11	29.10	29.10	29.10	29.09	29.07	29.227
13	29.07	29.06	29.05	29.05	29.05	29.05	29.07	29.07	29.09	29.10	29.11	29.12	29.12	29.13	29.14	29.14	29.15	29.15	29.15	29.15	29.15	29.14	29.14	29.14	29.108
14	29.13	29.13	29.11	29.10	29.07	29.05	29.04	29.03	29.01	28.99	28.97	28.97	28.94	28.93	28.90	28.88	28.87	28.86	28.85	28.84	28.83	28.82	28.81	28.79	28.955
15	28.79	28.76	28.76	28.79	28.80	28.80	28.82	28.82	28.83	28.83	28.84	28.85	28.84	28.83	28.82	28.81	28.81	28.82	28.83	28.84	28.85	28.88	28.90	28.92	28.827
16	28.94	28.95	28.98	29.01	29.04	29.06	29.09	29.12	29.15	29.16	29.19	29.22	29.24	29.25	29.28	29.31	29.34	29.37	29.38	29.40	29.41	29.43	29.44	29.45	29.217
17	29.45	29.44	29.44	29.44	29.44	29.46	29.49	29.51	29.54	29.58	29.60	29.64	29.65	29.66	29.68	29.69	29.69	29.68	29.68	29.68	29.68	29.68	29.67	29.66	29.589
18	29.64	29.63	29.61	29.60	29.58	29.57	29.57	29.56	29.55	29.54	29.53	29.52	29.51	29.48	29.46	29.43	29.42	29.39	29.38	29.37	29.36	29.34	29.33	29.32	29.487
19	29.31	29.29	29.28	29.26	29.25	29.23	29.24	29.24	29.24	29.23	29.22	29.21	29.21	29.20	29.20	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.23	29.23	29.232
20	29.23	29.23	29.22	29.22	29.24	29.24	29.25	29.26	29.27	29.27	29.27	29.27	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.25	29.25	29.25	29.25	29.25	29.252
21	29.24	29.22	29.20	29.19	29.18	29.17	29.17	29.16	29.16	29.16	29.15	29.14	29.13	29.13	29.12	29.12	29.11	29.11	29.11	29.11	29.11	29.12	29.11	29.12	29.147
22	29.11	29.11	29.11	29.11	29.12	29.12	29.13	29.14	29.14	29.14	29.13	29.13	29.12	29.11	29.11	29.11	29.10	29.09	29.08	29.08	29.06	29.06	29.05	29.04	29.104
23	29.02	29.01	28.98	28.97	28.96	28.94	28.93	28.91	28.91	28.91	28.89	28.87	28.87	28.85	28.84	28.82	28.82	28.81	28.81	28.80	28.79	28.79	28.79	28.79	28.878
24	28.78	28.77	28.76	28.77	28.78	28.78	28.79	28.80	28.83	28.84	28.85	28.86	28.87	28.87	28.88	28.90	28.90	28.90	28.90	28.90	28.91	28.93	28.95	28.96	28.853
25	28.97	28.97	28.98	29.01	29.02	29.03	29.04	29.05	29.05	29.06	29.06	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.10	29.10	29.12	29.13	29.15	29.18	29.069
26	29.19	29.20	29.21	29.22	29.24	29.26	29.27	29.30	29.32	29.33	29.35	29.35	29.36	29.37	29.37	29.37	29.37	29.37	29.36	29.35	29.35	29.35	29.34	29.34	29.314
27	29.34	29.34	29.33	29.32	29.32	29.31	29.32	29.32	29.32	29.31	29.31	29.31	29.31	29.30	29.29	29.29	29.27	29.25	29.25	29.24	29.24	29.23	29.21	29.19	29.288
28	29.17	29.14	29.13	29.10	29.09	29.07	29.05	29.04	29.03	29.02	29.00	28.99	28.98	28.96	28.96	28.95	28.94	28.94	28.93	28.93	28.93	28.93	28.93	28.91	29.005
29	28.90	28.89	28.88	28.87	28.86	28.85	28.85	28.85	28.84	28.84	28.86	28.85	28.83	28.82	28.81	28.81	28.79	28.78	28.78	28.77	28.77	28.78	28.77	28.77	28.826
30	28.76	28.76	28.77	28.77	28.77	28.79	28.80	28.81	28.82	28.83	28.85	28.86	28.87	28.88	28.88	28.89	28.90	28.91	28.93	28.94	28.96	28.98	29.01	29.02	28.865
31	29.02	29.03	29.03	29.04	29.06	29.08	29.10	29.10	29.11	29.12	29.12	29.14	29.14	29.15	29.16	29.15	29.15	29.16	29.16	29.17	29.18	29.18	29.19	29.19	29.122
Mean	29.192	29.186	29.182	29.180	29.179	29.182	29.187	29.191	29.195	29.199	29.200	29.202	29.198	29.193	29.193	29.190	29.188	29.186	29.186	29.185	29.188	29.192	29.194	29.193	29.109

APRIL 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.19	29.18	29.18	29.17	29.17	29.17	29.17	29.17	29.16	29.15	29.15	29.14	29.14	29.12	29.11	29.10	29.08	29.06	29.05	29.03	29.02	29.02	29.01	29.01	29.115
2	29.00	28.98	28.97	28.97	28.98	28.98	28.99	29.02	29.03	29.05	29.07	29.09	29.11	29.14	29.16	29.18	29.20	29.21	29.22	29.23	29.26	29.27	29.28	29.30	29.112
3	29.29	29.28	29.28	29.29	29.28	29.29	29.29	29.29	29.29	29.30	29.29	29.29	29.29	29.29	29.28	29.27	29.27	29.28	29.28	29.28	29.28	29.28	29.28	29.27	29.284
4	29.25	29.25	29.24	29.25	29.26	29.26	29.27	29.28	29.28	29.29	29.30	29.30	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.32	29.33	29.35	29.36	29.37	29.297
5	29.35	29.34	29.32	29.32	29.32	29.33	29.34	29.35	29.35	29.34	29.33	29.32	29.31	29.31	29.30	29.29	29.29	29.28	29.28	29.27	29.26	29.27	29.28	29.27	29.309
6	29.26	29.25	29.25	29.24	29.24	29.25	29.25	29.26	29.28	29.30	29.30	29.31	29.31	29.30	29.30	29.31	29.32	29.32	29.32	29.32	29.33	29.34	29.32	29.32	29.292
7	29.33	29.31	29.31	29.31	29.31	29.32	29.33	29.33	29.33	29.33	29.35	29.36	29.37	29.38	29.38	29.39	29.39	29.40	29.40	29.40	29.40	29.41	29.41	29.41	29.361
8	29.41	29.40	29.39	29.38	29.37	29.37	29.38	29.38	29.37	29.36	29.35	29.33	29.30	29.26	29.24	29.22	29.20	29.16	29.13	29.08	29.05	29.04	29.02	28.98	29.257
9	28.97	28.93	28.91	28.89	28.87	28.87	28.86	28.85	28.84	28.83	28.83	28.84	28.84	28.84	28.84	28.85	28.87	28.90	28.93	28.97	29.00	29.03	29.05	29.06	28.903
10	29.07	29.08	29.09	29.12	29.15	29.18	29.20	29.21	29.22	29.24	29.24	29.25	29.26	29.26	29.26	29.26	29.26	29.26	29.25	29.25	29.25	29.24	29.24	29.21	29.210
11	29.19	29.17	29.14	29.12	29.11	29.10	29.08	29.08	29.08	29.07	29.07	29.05	29.05	29.04	29.04	29.04	29.04	29.03	29.03	29.03	29.03	29.03	29.02	29.02	29.069
12	29.01	29.01	29.00	28.99	29.00	29.00	29.01	29.02	29.02	29.03	29.04	29.05	29.06	29.06	29.07	29.08	29.09	29.10	29.11	29.12	29.14	29.16	29.18	29.19	29.064
13	29.20	29.21	29.22	29.23	29.25	29.27	29.29	29.32	29.34	29.36	29.38	29.40	29.40	29.42	29.43	29.44	29.45	29.46	29.47	29.48	29.49	29.49	29.49	29.49	29.374
14	29.48	29.48	29.48	29.48	29.47	29.48	29.49	29.49	29.51	29.54	29.57	29.59	29.62	29.64	29.64	29.65	29.66	29.66	29.65	29.65	29.65	29.65	29.66	29.65	29.577
15	29.64	29.64	29.64	29.63	29.63	29.63	29.63	29.63	29.62	29.62	29.61	29.61	29.61	29.60	29.59	29.59	29.58	29.57	29.56	29.55	29.55	29.54	29.54	29.54	29.598
16	29.53	29.52	29.50	29.49	29.49	29.49	29.49	29.50	29.50	29.51	29.51	29.50	29.50	29.50	29.49	29.49	29.48	29.48	29.47	29.47	29.47	29.47	29.47	29.48	29.492
17	29.48	29.49	29.50	29.51	29.52	29.54	29.56	29.58	29.59	29.61	29.61	29.62	29.63	29.64	29.64	29.66	29.68	29.69	29.70	29.71	29.72	29.73	29.73	29.73	29.620
18	29.73	29.73	29.71	29.71	29.71	29.72	29.73	29.75	29.75	29.75	29.75	29.74	29.73	29.71	29.70	29.70	29.69	29.68	29.68	29.68	29.68	29.68	29.66	29.64	29.709
19	29.63	29.60	29.60	29.61	29.61	29.60	29.60	29.60	29.59	29.59	29.59	29.58	29.57	29.55	29.53	29.52	29.51	29.49	29.48	29.49	29.49	29.49	29.48	29.46	29.552
20	29.45	29.44	29.43	29.43	29.43	29.43	29.44	29.46	29.46	29.46	29.45	29.45	29.44	29.43	29.43	29.42	29.42	29.42	29.41	29.40	29.40	29.40	29.40	29.40	29.429
21	29.40	29.38	29.37	29.35	29.35	29.36	29.36	29.35	29.34	29.33	29.32	29.31	29.30	29.28	29.27	29.25	29.23	29.22	29.21	29.20	29.19	29.19	29.18	29.16	29.287
22	29.15	29.14	29.13	29.12	29.12	29.11	29.11	29.11	29.11	29.12	29.12	29.12	29.11	29.11	29.12	29.13	29.13	29.13	29.13	29.12	29.12	29.13	29.12	29.11	29.122
23	29.10	29.11	29.12	29.12	29.13	29.13	29.15	29.16	29.18	29.20	29.22	29.23	29.24	29.25	29.26	29.26	29.27	29.27	29.27	29.27	29.27	29.27	29.26	29.25	29.208
24	29.23	29.22	29.22	29.20	28.18	29.18	29.18	29.16	29.15	29.12	29.09	29.07	29.05	29.04	29.03	29.01	29.00	28.98	28.98	28.98	28.97	28.95	28.95	28.94	29.078
25	28.93	28.91	28.90	28.90	28.90	28.89	28.88	28.88	28.87	28.89	28.89	28.88	28.87	28.85	28.85	28.85	28.85	28.84	28.84	28.84	28.85	28.85	28.85	28.85	28.871
26	28.85	28.84	28.84	28.85	28.85	28.86	28.87	28.88	28.91	28.94	28.95	28.96	28.97	28.98	28.99	29.02	29.02	29.03	29.05	29.07	29.08	29.10	29.10	29.09	28.962
27	29.09	29.09	29.08	29.09	29.09	29.10	29.11	29.12	29.13	29.14	29.14	29.14	29.13	29.12	29.13	29.14	29.14	29.15	29.16	29.16	29.18	29.20	29.19	29.19	29.134
28	29.19	29.19	29.18	29.18	29.19	29.19	29.19	29.20	29.22	29.25	29.26	29.29	29.30	29.32	29.33	29.35	29.37	29.37	29.37	29.38	29.38	29.39	29.38	29.38	29.285
29	29.38	29.37	29.35	29.34	29.34	29.33	29.32	29.32	29.33	29.34	29.33	29.32	29.32	29.31	29.31	29.30	29.29	29.28	29.28	29.27	29.27	29.28	29.27	29.25	29.312
30	29.23	29.23	29.23	29.22	29.21	29.22	29.24	29.26	29.27	29.28	29.28	29.27	29.26	29.25	29.25	29.24	29.23	29.21	29.20	29.20	29.17	29.17	29.14	29.08	29.222
Mean	29.267	29.259	29.253	29.250	29.251	29.255	29.260	29.267	29.271	29.278	29.280	29.280	29.280	29.277	29.276	29.277	29.277	29.275	29.274	29.274	29.276	29.281	29.277	29.270	29.270

TABLE 28.—*Pressure—hourly values, Little America*—Continued

MAY 1939

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.08	29.04	29.00	29.00	28.98	28.97	28.96	28.96	28.95	28.96	28.96	28.93	28.91	28.91	28.90	28.90	28.90	28.91	28.92	28.92	28.94	28.95	28.96	28.95	28.952
2	28.97	28.97	28.98	29.00	29.01	29.04	29.06	29.08	29.10	29.12	29.14	29.15	29.17	29.17	29.18	29.20	29.23	29.25	29.27	29.29	29.31	29.34	29.34	29.34	29.155
3	29.35	29.35	29.35	29.36	29.36	29.36	29.36	29.36	29.36	29.35	29.35	29.35	29.34	29.34	29.33	29.32	29.32	29.32	29.34	29.35	29.35	29.36	29.37	29.35	29.348
4	29.34	29.33	29.34	29.34	29.33	29.33	29.33	29.34	29.33	29.32	29.32	29.31	29.30	29.29	29.27	29.27	29.27	29.25	29.24	29.22	29.20	29.19	29.18	29.17	29.284
5	29.16	29.14	29.11	29.08	29.07	29.06	29.05	29.04	29.03	29.02	29.02	29.00	29.00	28.98	28.97	28.95	28.95	28.94	28.93	28.92	28.92	28.92	28.91	28.90	29.003
6	28.89	28.89	28.89	28.88	28.88	28.88	28.87	28.88	28.88	28.91	28.91	28.91	28.91	28.92	28.93	28.94	28.94	28.94	28.96	28.97	28.97	28.98	28.98	28.99	28.921
7	28.97	28.96	28.96	28.96	28.95	28.96	28.96	28.96	28.96	28.96	28.95	28.94	28.94	28.92	28.92	28.90	28.89	28.88	28.88	28.87	28.88	28.88	28.89	28.88	28.926
8	28.88	28.87	28.87	28.86	28.86	28.86	28.85	28.86	28.85	28.86	28.86	28.86	28.85	28.84	28.84	28.84	28.85	28.85	28.85	28.86	28.86	28.87	28.86	28.86	28.857
9	28.87	28.87	28.88	28.89	28.90	28.91	28.93	28.95	28.95	28.98	28.99	29.01	29.02	29.03	29.03	29.06	29.10	29.12	29.14	29.16	29.16	29.18	29.19	29.20	29.022
10	29.20	29.19	29.18	29.18	29.17	29.15	29.14	29.13	29.12	29.12	29.11	29.11	29.10	29.08	29.07	29.06	29.05	29.03	29.01	28.99	29.00	28.99	28.99	28.97	29.089
11	28.95	28.93	28.92	28.92	28.92	28.92	28.92	28.93	28.93	28.94	28.95	28.94	28.93	28.94	28.94	28.95	28.95	28.96	28.96	28.98	28.99	28.99	28.99	28.98	28.947
12	28.96	28.96	28.95	28.94	28.94	28.93	28.94	28.95	28.94	28.95	28.94	28.92	28.94	28.93	28.93	28.94	28.94	28.93	28.92	28.92	28.93	28.93	28.94	28.93	28.937
13	28.92	28.91	28.91	28.90	28.90	28.90	28.91	28.91	28.91	28.90	28.91	28.91	28.92	28.92	28.92	28.92	28.92	28.92	28.93	28.93	28.95	28.96	28.97	28.96	28.921
14	28.96	28.96	28.96	28.97	28.99	28.99	29.00	29.00	29.02	29.04	29.06	29.06	29.06	29.05	29.04	29.04	29.03	29.03	29.02	29.01	29.01	29.00	28.99	28.96	29.010
15	28.94	28.92	28.90	28.89	28.88	28.88	28.86	28.86	28.85	28.84	28.83	28.81	28.80	28.78	28.77	28.75	28.74	28.74	28.73	28.72	28.72	28.71	28.70	28.68	28.804
16	28.67	28.66	28.66	28.65	28.64	28.64	28.65	28.65	28.65	28.65	28.65	28.65	28.65	28.65	28.65	28.65	28.65	28.66	28.67	28.68	28.69	28.70	28.71	28.71	28.662
17	28.73	28.75	28.75	28.77	28.78	28.80	28.82	28.84	28.86	28.87	28.87	28.88	28.88	28.89	28.90	28.91	28.92	28.93	28.94	28.95	28.97	28.98	28.97	28.96	28.872
18	28.96	28.96	28.96	28.96	28.96	28.94	28.93	28.95	28.95	28.94	28.94	28.92	28.91	28.91	28.90	28.90	28.90	28.89	28.88	28.89	28.89	28.88	28.87	28.86	28.919
19	28.84	28.83	28.82	28.81	28.81	28.80	28.79	28.79	28.79	28.78	28.78	28.78	28.76	28.75	28.74	28.74	28.74	28.73	28.73	28.73	28.74	28.75	28.75	28.74	28.772
20	28.74	28.72	28.72	28.72	28.73	28.73	28.73	28.72	28.72	28.72	28.70	28.70	28.67	28.66	28.65	28.63	28.60	28.57	28.53	28.49	28.47	28.44	28.43	28.43	28.634
21	28.43	28.43	28.44	28.45	28.48	28.52	28.56	28.61	28.63	28.66	28.68	28.70	28.73	28.74	28.75	28.78	28.80	28.80	28.82	28.84	28.85	28.89	28.90	28.91	28.683
22	28.91	28.91	28.92	28.93	28.95	28.96	28.98	28.99	28.99	29.00	29.00	29.01	29.01	29.00	29.00	29.03	29.04	29.05	29.05	29.06	29.06	29.07	29.08	29.08	29.003
23	29.07	29.05	29.04	29.05	29.05	29.04	29.04	29.04	29.04	29.04	29.05	29.04	29.03	29.02	29.01	29.00	28.99	28.98	28.96	28.93	28.93	28.94	28.92	28.89	29.006
24	28.86	28.86	28.85	28.83	28.81	28.79	28.78	28.77	28.76	28.76	28.75	28.74	28.75	28.75	28.76	28.77	28.79	28.78	28.78	28.78	28.78	28.79	28.80	28.79	28.787
25	28.78	28.77	28.75	28.75	28.75	28.75	28.76	28.76	28.75	28.75	28.74	28.75	28.75	28.75	28.76	28.76	28.77	28.78	28.79	28.80	28.80	28.81	28.82	28.81	28.769
26	28.80	28.80	28.79	28.78	28.76	28.75	28.74	28.74	28.71	28.70	28.69	28.66	28.64	28.63	28.62	28.60	28.56	28.53	28.53	28.52	28.50	28.49	28.48	28.46	28.645
27	28.42	28.41	28.40	28.37	28.35	28.37	28.35	28.36	28.36	28.37	28.38	28.40	28.40	28.41	28.41	28.42	28.43	28.45	28.47	28.48	28.49	28.51	28.52	28.54	28.420
28	28.55	28.55	28.57	28.60	28.64	28.66	28.70	28.73	28.74	28.77	28.78	28.79	28.81	28.82	28.83	28.87	28.88	28.90	28.93	28.95	28.96	28.99	29.02	29.05	28.795
29	29.05	29.06	29.07	29.07	29.08	29.09	29.10	29.10	29.11	29.12	29.11	29.10	29.10	29.08	29.08	29.07	29.06	29.04	29.03	29.02	29.01	29.01	29.01	29.01	29.066
30	28.99	28.98	28.96	28.95	28.95	28.95	28.94	28.93	28.92	28.92	28.91	28.90	28.89	28.88	28.88	28.88	28.89	28.90	28.91	28.92	28.93	28.94	28.94	28.94	28.925
31	28.93	28.93	28.93	28.93	28.94	28.93	28.93	28.94	28.95	28.95	28.96	28.97	28.98	28.98	28.99	29.01	29.03	29.05	29.07	29.09	29.10	29.12	29.14	29.15	29.000
Mean	28.909	28.902	28.898	28.896	28.897	28.899	28.901	28.907	28.907	28.912	28.913	28.910	28.908	28.904	28.902	28.905	28.907	28.907	28.909	28.911	28.915	28.921	28.923	28.918	28.908

JUNE 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.14	29.16	29.18	29.18	29.18	29.19	29.20	29.21	29.22	29.22	29.22	29.22	29.21	29.20	29.20	29.20	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.190
2	29.18	29.17	29.17	29.17	29.17	29.17	29.18	29.18	29.19	29.20	29.21	29.21	29.21	29.19	29.19	29.20	29.19	29.18	29.17	29.16	29.16	29.13	29.12	29.09	29.175
3	29.03	28.99	28.94	28.89	28.86	28.82	28.78	28.74	28.72	28.68	28.66	28.62	28.59	28.57	28.56	28.52	28.51	28.50	28.49	28.50	28.51	28.52	28.53	28.55	28.670
4	28.57	28.60	28.64	28.67	28.72	28.77	28.82	28.88	28.95	28.99	29.05	29.09	29.13	29.15	29.16	29.16	29.16	29.17	29.16	29.14	29.14	29.11	29.10	29.09	28.976
5	29.08	29.03	29.02	29.02	29.05	29.08	29.12	29.18	29.24	29.32	29.38	29.39	29.44	29.45	29.48	29.49	29.52	29.53	29.56	29.56	29.56	29.54	29.53	29.46	29.335
6	29.43	29.41	29.40	29.38	29.37	29.35	29.32	29.30	29.28	29.28	29.24	29.23	29.19	29.16	29.15	29.13	29.13	29.11	29.12	29.12	29.11	29.11	29.11	29.10	29.230
7	29.08	29.05	29.03	29.02	29.01	28.98	28.96	28.94	28.91	28.88	28.88	28.90	28.90	28.90	28.91	28.93	28.94	28.96	28.99	29.02	29.06	29.10	29.12	29.14	28.984
8	29.16	29.16	29.17	29.19	29.20	29.22	29.22	29.22	29.23	29.24	29.24	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.24	29.23	29.23	29.23	29.22	29.218
9	29.21	29.19	29.18	29.17	29.16	29.15	29.15	29.14	29.14	29.14	29.14	29.13	29.12	29.11	29.11	29.10	29.09	29.07	29.06	29.04	29.04	29.04	29.02	28.99	29.112
10	28.97	28.96	28.95	28.95	28.93	28.93	28.92	28.92	28.92	28.92	28.92	28.92	28.91	28.90	28.90	28.90	28.90	28.90	28.91	28.91	28.91	28.92	28.93	28.93	28.922
11	28.94	28.94	28.94	28.94	28.94	28.95	28.96	28.98	28.99	28.99	29.01	29.01	29.01	29.00	29.01	29.01	29.02	29.03	29.04	29.04	29.04	29.06	29.06	29.06	28.999
12	29.06	29.06	29.06	29.06	29.06	29.06	29.07	29.07	29.07	29.08	29.08	29.08	29.07	29.06	29.07	29.08	29.08	29.08	29.08	29.08	29.09	29.10	29.10	29.10	29.075
13	29.10	29.10	29.10	29.10	29.10	29.10	29.11	29.12	29.12	29.13	29.13	29.14	29.14	29.13	29.13	29.14	29.14	29.15	29.16	29.16	29.17	29.18	29.19	29.19	29.135
14	29.18	29.18	29.19	29.19	29.20	29.20	29.21	29.22	29.23	29.24	29.26	29.27	29.27	29.26	29.27	29.29	29.30	29.30	29.31	29.32	29.33	29.35	29.36	29.37	29.262
15	29.37	29.37	29.37	29.37	29.38	29.39	29.40	29.40	29.41	29.41	29.41	29.41	29.40	29.39	29.39	29.39	29.39	29.38	29.38	29.36	29.36	29.35	29.34	29.31	29.380
16	29.28	29.26	29.24	29.23	29.23	29.24	29.24	29.25	29.25	29.26	29.26	29.27	29.28	29.29	29.29	29.29	29.28	29.27	29.26	29.26	29.25	29.24	29.24	29.22	29.257
17	29.20	29.18	29.18	29.19	29.19	29.19	29.16	29.16	29.16	29.16	29.15	29.15	29.12	29.09	29.08	29.07	29.07	29.07	29.08	29.08	29.08	29.08	29.07	29.07	29.126
18	29.06	29.07	29.07	29.08	29.08	29.09	29.10	29.11	29.11	29.12	29.12	29.12	29.11	29.11	29.12	29.12	29.13	29.13	29.13	29.14	29.14	29.14	29.13	29.13	29.111
19	29.13	29.12	29.12	29.12	29.13	29.14	29.16	29.17	29.20	29.22	29.24	29.26	29.27	29.28	29.29	29.31	29.34	29.36	29.37	29.38	29.39	29.41	29.44	29.46	29.263
20	29.48	29.48	29.50	29.52	29.52	29.54	29.57	29.58	29.59	29.60	29.62	29.63	29.64	29.65	29.66	29.67	29.68	29.70	29.71	29.72	29.73	29.75	29.76	29.76	29.627
21	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.78	29.78	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.79	29.78	29.78	29.782
22	29.78	29.76	29.76	29.75	29.73	29.73	29.73	29.73	29.73	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.72	29.71	29.71	29.72	29.72	29.72	29.71	29.728
23	29.70	29.69	29.69	29.67	29.66	29.65	29.64	29.63	29.63	29.63	29.62	29.60	29.59	29.56	29.56	29.54	29.53	29.50	29.49	29.49	29.49	29.49	29.49	29.47	29.584
24	29.47	29.46	29.45	29.44	29.43	29.43	29.42	29.42	29.43	29.43	29.42	29.42	29.41	29.40	29.38	29.38	29.37	29.36	29.35	29.35	29.35	29.35	29.35	29.34	29.400
25	29.33	29.32	29.32	29.31	29.30	29.30	29.30	29.30	29.30	29.29	29.28	29.27	29.25	29.24	29.23	29.22	29.21	29.19	29.18	29.18	29.19	29.19	29.16	29.15	29.250
26	29.13	29.14	29.17	29.19	29.21	29.24	29.25	29.29	29.32	29.36	29.40	29.44	29.46	29.49	29.52	29.56	29.58	29.62	29.65	29.71	29.73	29.78	29.82	29.83	29.454
27	29.86	29.87	29.89	29.92	29.94	29.96	29.99	30.01	30.02	30.04	30.04	30.04	30.03	30.03	30.03	30.02	30.01	30.00	29.99	29.98	29.97	29.96	29.94	29.90	29.977
28	29.87	29.84	29.82	29.81	29.79	29.77	29.76	29.75	29.75	29.74	29.74	29.73	29.72	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.69	29.69	29.69	29.67	29.739
29	29.66	29.66	29.65	29.64	29.64	29.64	29.64	29.65	29.66	29.66	29.67	29.68	29.68	29.68	29.69	29.69	29.69	29.69	29.69	29.70	29.71	29.72	29.72	29.70	29.675
30	29.69	29.68	29.68	29.67	29.67	29.66	29.66	29.65	29.65	29.65	29.64	29.62	29.61	29.59	29.58	29.58	29.58	29.57	29.57	29.56	29.55	29.55	29.55	29.53	29.614
Mean	29.297	29.289	29.288	29.287	29.287	29.290	29.294	29.299	29.307	29.313	29.318	29.320	29.317	29.311	29.313	29.314	29.315	29.315	29.317	29.319	29.322	29.326	29.326	29.317	29.308

TABLE 28.—*Pressure—hourly values, Little America*—Continued

JULY 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.53	29.52	29.50	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.48	29.48	29.48	29.48	29.46	29.47	29.47	29.48	29.48	29.49	29.50	29.52	29.52	29.491
2	29.51	29.50	29.49	29.48	29.48	29.48	29.48	29.48	29.49	29.50	29.49	29.49	29.49	29.48	29.48	29.48	29.47	29.46	29.45	29.43	29.41	29.40	29.39	29.34	29.465
3	29.31	29.26	29.23	29.20	29.17	29.15	29.13	29.11	29.08	29.07	29.06	29.05	29.04	29.04	29.04	29.04	29.06	29.10	29.11	29.12	29.16	29.19	29.21	29.22	29.131
4	29.22	29.22	29.22	29.22	29.23	29.24	29.26	29.26	29.27	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.27	29.264
5	29.26	29.25	29.24	29.21	29.16	29.14	29.12	29.09	29.06	29.03	28.99	28.93	28.87	28.78	28.73	28.62	28.54	28.43	28.38	28.31	28.26	28.23	28.20	28.18	28.792
6	28.21	28.22	28.22	28.22	28.23	28.25	28.26	28.28	28.31	28.35	28.41	28.45	28.51	28.57	28.63	28.67	28.72	28.75	28.79	28.82	28.86	28.88	28.94	28.94	28.520
7	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.94	28.94	28.94	28.93	28.93	28.93	28.93	28.93	28.93	28.92	28.93	28.94	28.95	28.95	28.941
8	28.95	28.95	28.96	28.96	28.98	28.99	29.00	29.02	29.02	29.02	29.02	29.02	29.02	29.01	29.00	28.99	28.98	28.97	28.96	28.96	28.95	28.93	28.93	28.91	28.979
9	28.89	28.88	28.87	28.86	28.86	28.86	28.86	28.86	28.87	28.88	28.89	28.90	28.91	28.91	28.93	28.94	28.94	28.94	28.95	28.96	28.98	28.99	29.00	29.00	28.914
10	29.00	28.99	28.98	28.99	29.00	29.01	29.02	29.04	29.07	29.08	29.09	29.10	29.10	29.11	29.12	29.14	29.15	29.16	29.18	29.19	29.21	29.24	29.26	29.27	29.104
11	29.27	29.28	29.28	29.32	29.34	29.37	29.39	29.41	29.43	29.45	29.47	29.46	29.46	29.45	29.44	29.42	29.41	29.39	29.37	29.37	29.37	29.35	29.35	29.34	29.383
12	29.30	29.26	29.24	29.21	29.20	29.19	29.16	29.15	29.14	29.13	29.13	29.13	29.13	29.12	29.13	29.14	29.14	29.14	29.15	29.15	29.15	29.16	29.16	29.16	29.165
13	29.15	29.13	29.11	29.10	29.09	29.09	29.09	29.09	29.07	29.07	29.06	29.05	29.04	29.04	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.062
14	29.01	29.01	29.01	29.01	29.01	29.00	29.00	29.00	29.00	28.99	28.99	28.98	28.96	28.94	28.93	28.92	28.92	28.91	28.89	28.88	28.89	28.90	28.90	28.90	28.956
15	28.89	28.89	28.88	28.86	28.85	28.83	28.82	28.80	28.80	28.80	28.79	28.79	28.79	28.78	28.80	28.83	28.84	28.85	28.84	28.84	28.84	28.84	28.83	28.81	28.829
16	28.80	28.80	28.77	28.76	28.74	28.73	28.73	28.73	28.73	28.73	28.73	28.74	28.74	28.74	28.74	28.74	28.74	28.74	28.74	28.74	28.74	28.74	28.74	28.72	28.744
17	28.70	28.69	28.69	28.67	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.65	28.65	28.65	28.65	28.65	28.66	28.66	28.67	28.67	28.69	28.70	28.73	28.73	28.672
18	28.74	28.74	28.74	28.74	28.74	28.74	28.75	28.76	28.76	28.76	28.76	28.77	28.76	28.76	28.75	28.74	28.74	28.73	28.72	28.71	28.70	28.69	28.69	28.66	28.735
19	28.65	28.64	28.63	28.63	28.63	28.61	28.61	28.61	28.60	28.59	28.58	28.58	28.58	28.58	28.58	28.59	28.60	28.62	28.64	28.65	28.66	28.67	28.68	28.69	28.621
20	28.69	28.69	28.69	28.70	28.70	28.71	28.71	28.71	28.72	28.76	28.78	28.79	28.81	28.83	28.86	28.87	28.88	28.91	28.93	28.94	28.96	28.98	29.00	28.99	28.817
21	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	29.00	29.00	28.98	28.96	28.94	28.94	28.92	28.92	28.90	28.88	28.88	28.88	28.88	28.89	28.89	28.949
22	28.89	28.89	28.89	28.89	28.89	28.89	28.90	28.91	28.91	28.90	28.89	28.89	28.90	28.90	28.89	28.89	28.88	28.87	28.86	28.86	28.86	28.85	28.85	28.85	28.883
23	28.84	28.84	28.83	28.82	28.82	28.82	28.83	28.83	28.83	28.83	28.84	28.84	28.84	28.84	28.85	28.85	28.86	28.86	28.88	28.89	28.91	28.94	28.96	28.97	28.859
24	28.97	28.98	29.00	29.01	29.02	29.04	29.06	29.07	29.07	29.08	29.09	29.10	29.11	29.11	29.11	29.10	29.10	29.09	29.08	29.08	29.07	29.05	29.05	29.04	29.062
25	29.02	29.00	28.98	28.96	28.95	28.94	28.92	28.91	28.89	28.86	28.82	28.79	28.74	28.71	28.68	28.65	28.58	28.54	28.49	28.47	28.47	28.47	28.46	28.46	28.740
26	28.45	28.45	28.45	28.46	28.46	28.47	28.48	28.50	28.49	28.49	28.49	28.48	28.47	28.46	28.46	28.44	28.43	28.41	28.40	28.39	28.39	28.40	28.40	28.40	28.447
27	28.40	28.40	28.41	28.41	28.42	28.43	28.44	28.46	28.47	28.50	28.53	28.56	28.60	28.63	28.65	28.67	28.69	28.72	28.75	28.76	28.78	28.80	28.82	28.83	28.589
28	28.83	28.84	28.85	28.87	28.87	28.89	28.91	28.94	28.98	29.01	29.04	29.05	29.07	29.08	29.10	29.12	29.15	29.18	29.21	29.23	29.27	29.29	29.30	29.30	29.057
29	29.30	29.30	29.30	29.30	29.31	29.31	29.33	29.34	29.35	29.35	29.35	29.34	29.34	29.33	29.32	29.32	29.32	29.32	29.32	29.31	29.30	29.29	29.27	29.18	29.312
30	29.09	29.03	28.90	28.83	28.75	28.73	28.76	28.80	28.85	28.90	29.02	29.05	29.13	29.19	29.21	29.27	29.28	29.33	29.36	29.38	29.41	29.43	29.43	29.43	29.107
31	29.42	29.41	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.39	29.38	29.38	29.37	29.36	29.36	29.36	29.37	29.37	29.38	29.39	29.40	29.42	29.42	29.41	29.391
Mean	28.975	28.968	28.958	28.952	28.948	28.948	28.952	28.956	28.960	28.965	28.970	28.969	28.971	28.969	28.971	28.970	28.970	28.970	28.971	28.971	28.977	28.983	28.988	28.980	28.967

AUGUST 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.41	29.39	29.38	29.38	29.38	29.38	29.40	29.41	29.41	29.42	29.42	29.42	29.43	29.44	29.44	29.44	29.44	29.44	29.45	29.45	29.45	29.44	29.44	29.43	29.420
2	29.43	29.42	29.42	29.41	29.41	29.40	29.39	29.39	29.39	29.38	29.38	29.38	29.37	29.37	29.37	29.37	29.36	29.36	29.35	29.35	29.35	29.34	29.34	29.34	29.378
3	29.34	29.35	29.35	29.35	29.34	29.33	29.33	29.34	29.34	29.34	29.34	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.34	29.34	29.33	29.32	29.31	29.30	29.339
4	29.28	29.26	29.23	29.21	29.18	29.16	29.14	29.14	29.13	29.10	29.07	29.06	29.06	29.04	29.03	29.01	28.99	28.99	28.96	28.96	28.95	28.93	28.90	28.89	29.070
5	28.89	28.90	28.89	28.91	28.92	28.93	28.93	28.94	28.95	28.96	28.97	28.98	28.99	29.00	29.02	29.05	29.07	29.10	29.13	29.15	29.18	29.21	29.24	29.28	29.025
6	29.30	29.33	29.36	29.38	29.40	29.42	29.46	29.50	29.52	29.53	29.54	29.55	29.57	29.57	29.59	29.61	29.60	29.59	29.60	29.60	29.59	29.59	29.58	29.60	29.516
7	29.61	29.60	29.59	29.59	29.60	29.60	29.59	29.59	29.59	29.58	29.57	29.57	29.57	29.56	29.55	29.55	29.55	29.55	29.54	29.54	29.53	29.53	29.52	29.51	29.566
8	29.51	29.50	29.48	29.47	29.47	29.46	29.45	29.44	29.42	29.40	29.39	29.37	29.36	29.36	29.34	29.34	29.33	29.33	29.31	29.30	29.29	29.27	29.25	29.24	29.378
9	29.24	29.23	29.22	29.20	29.18	29.16	29.15	29.15	29.14	29.13	29.11	29.10	29.08	29.07	29.05	29.02	29.00	28.99	28.98	28.96	28.94	28.94	28.93	28.93	29.079
10	28.94	28.96	28.97	28.99	29.00	29.02	29.04	29.06	29.07	29.08	29.10	29.11	29.13	29.14	29.16	29.17	29.17	29.17	29.18	29.19	29.20	29.20	29.20	29.20	29.102
11	29.19	29.19	29.19	29.18	29.18	29.17	29.16	29.16	29.16	29.16	29.16	29.17	29.16	29.15	29.15	29.16	29.16	29.16	29.17	29.17	29.18	29.19	29.22	29.23	29.174
12	29.24	29.26	29.27	29.28	29.29	29.29	29.30	29.32	29.33	29.33	29.33	29.32	29.32	29.31	29.30	29.27	29.24	29.22	29.19	29.17	29.14	29.11	29.08	29.05	29.248
13	29.03	28.99	28.96	28.93	28.91	28.90	28.88	28.86	28.85	28.83	28.82	28.82	28.84	28.85	28.85	28.84	28.85	28.86	28.87	28.89	28.90	28.91	28.94	28.97	28.890
14	28.99	29.01	29.03	29.04	29.05	29.05	29.08	29.11	29.11	29.13	29.16	29.19	29.21	29.23	29.25	29.27	29.29	29.31	29.33	29.33	29.33	29.32	29.30	29.29	29.184
15	29.27	29.24	29.19	29.12	29.08	29.00	28.96	28.91	28.87	28.83	28.81	28.79	28.77	28.76	28.75	28.74	28.72	28.69	28.66	28.64	28.60	28.56	28.53	28.48	28.832
16	28.40	28.30	28.21	28.14	28.07	28.05	27.98	27.98	27.91	27.86	27.86	27.86	27.86	27.89	27.90	27.89	27.90	27.90	27.93	27.96	27.99	28.03	28.03	28.02	27.997
17	28.07	28.12	28.15	28.18	28.23	28.31	28.38	28.44	28.48	28.51	28.55	28.57	28.61	28.61	28.60	28.60	28.59	28.58	28.54	28.50	28.48	28.46	28.44	28.42	28.434
18	28.42	28.41	28.43	28.44	28.47	28.58	28.71	28.85	28.94	28.96	28.99	29.03	29.08	29.13	29.14	29.20	29.23	29.27	29.31	29.34	29.36	29.39	29.40	29.41	28.979
19	29.44	29.45	29.49	29.51	29.53	29.55	29.59	29.62	29.65	29.68	29.70	29.72	29.74	29.75	29.77	29.80	29.82	29.82	29.83	29.83	29.84	29.84	29.85	29.84	29.694
20	29.85	29.84	29.83	29.84	29.84	29.83	29.81	29.82	29.81	29.80	29.79	29.77	29.76	29.75	29.73	29.74	29.73	29.74	29.72	29.71	29.70	29.69	29.69	29.67	29.769
21	29.64	29.61	29.58	29.55	29.52	29.50	29.47	29.45	29.43	29.40	29.39	29.38	29.37	29.36	29.35	29.33	29.31	29.30	29.29	29.28	29.26	29.25	29.24	29.23	29.395
22	29.21	29.20	29.19	29.17	29.17	29.16	29.14	29.14	29.13	29.12	29.11	29.12	29.13	29.12	29.13	29.14	29.15	29.15	29.16	29.17	29.18	29.18	29.17	29.16	29.154
23	29.17	29.18	29.17	29.17	29.16	29.17	29.18	29.18	29.17	29.16	29.16	29.15	29.15	29.14	29.14	29.13	29.13	29.12	29.10	29.09	29.10	29.10	29.08	29.08	29.141
24	29.07	29.06	29.05	29.04	29.04	29.03	29.02	29.01	28.98	28.98	28.97	28.96	28.95	28.94	28.92	28.90	28.89	28.88	28.86	28.84	28.83	28.82	28.81	28.80	28.944
25	28.78	28.77	28.76	28.75	28.75	28.74	28.73	28.72	28.72	28.72	28.72	28.73	28.73	28.73	28.73	28.74	28.74	28.75	28.76	28.77	28.77	28.78	28.79	28.79	28.749
26	28.79	28.79	28.79	28.80	28.80	28.81	28.82	28.83	28.83	28.83	28.83	28.84	28.84	28.85	28.86	28.87	28.88	28.89	28.89	28.90	28.90	28.91	28.92	28.92	28.850
27	28.92	28.93	28.92	28.92	28.92	28.92	28.93	28.95	28.94	28.93	28.93	28.93	28.94	28.94	28.94	28.95	28.96	28.96	28.97	28.97	28.98	28.98	28.98	28.97	28.945
28	28.98	28.98	28.97	28.96	28.95	28.94	28.94	28.94	28.92	28.92	28.93	28.93	28.92	28.91	28.91	28.90	28.90	28.89	28.89	28.88	28.87	28.87	28.86	28.84	28.917
29	28.82	28.82	28.82	28.82	28.81	28.80	28.81	28.83	28.83	28.84	28.84	28.85	28.87	28.89	28.90	28.92	28.93	28.95	28.98	29.00	29.01	29.02	29.04	29.05	28.894
30	29.06	29.07	29.08	29.08	29.08	29.07	29.08	29.08	29.08	29.08	29.07	29.07	29.06	29.05	29.03	29.01	29.00	29.00	28.99	28.97	28.95	28.93	28.90	28.88	29.028
31	28.86	28.84	28.83	28.82	28.80	28.79	28.79	28.78	28.77	28.77	28.76	28.76	28.77	28.77	28.76	28.76	28.76	28.77	28.77	28.77	28.76	28.77	28.79	28.79	28.784
Mean	29.102	29.097	29.090	29.085	29.082	29.081	29.085	29.095	29.093	29.089	29.089	29.092	29.096	29.098	29.097	29.099	29.098	29.099	29.099	29.097	29.095	29.093	29.089	29.084	29.093

TABLE 28.—*Pressure—hourly values, Little America*—Continued

SEPTEMBER 1929

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.79	28.80	28.81	28.81	28.81	28.82	28.83	28.85	28.84	28.84	28.85	28.85	28.86	28.87	28.87	28.89	28.89	28.91	28.92	28.93	28.94	28.95	28.95	28.96	28.868
2	28.96	28.97	28.97	28.98	28.98	28.97	28.98	28.99	29.00	29.00	29.00	29.00	29.02	29.04	29.04	29.05	29.05	29.06	29.06	29.07	29.08	29.09	29.09	29.10	29.023
3	29.10	29.11	29.12	29.12	29.13	29.14	29.15	29.16	29.17	29.17	29.18	29.19	29.21	29.23	29.23	29.24	29.25	29.26	29.27	29.28	29.29	29.30	29.32	29.33	29.206
4	29.33	29.34	29.34	29.34	29.34	29.34	29.35	29.35	29.34	29.35	29.36	29.37	29.38	29.39	29.40	29.41	29.42	29.43	29.45	29.47	29.48	29.50	29.52	29.54	29.397
5	29.56	29.58	29.59	29.60	29.60	29.60	29.61	29.63	29.64	29.65	29.66	29.68	29.69	29.68	29.69	29.69	29.70	29.72	29.74	29.75	29.76	29.77	29.78	29.78	29.673
6	29.79	29.79	29.79	29.79	29.78	29.78	29.79	29.79	29.79	29.79	29.80	29.81	29.82	29.82	29.82	29.82	29.83	29.84	29.85	29.85	29.85	29.86	29.86	29.86	29.815
7	29.86	29.86	29.85	29.84	29.83	29.82	29.81	29.81	29.80	29.78	29.76	29.74	29.73	29.72	29.71	29.69	29.68	29.66	29.63	29.61	29.61	29.56	29.55	29.54	29.727
8	29.52	29.50	29.47	29.44	29.42	29.41	29.40	29.40	29.39	29.38	29.39	29.41	29.41	29.41	29.41	29.42	29.43	29.43	29.44	29.44	29.44	29.44	29.43	29.43	29.427
9	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.41	29.40	29.39	29.37	29.37	29.37	29.35	29.32	29.30	29.27	29.393
10	29.24	29.21	29.18	29.18	29.17	29.16	29.14	29.12	29.11	29.06	29.02	29.00	28.97	28.93	28.91	28.89	28.86	28.84	28.82	28.80	28.79	28.78	28.76	28.74	28.987
11	28.73	28.72	28.71	28.69	28.68	28.67	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.69	28.70	28.71	28.70	28.71	28.72	28.72	28.73	28.73	28.73	28.699
12	28.72	28.71	28.71	28.71	28.70	28.70	28.69	28.70	28.71	28.73	28.75	28.77	28.79	28.82	28.84	28.86	28.89	28.92	28.96	28.98	28.99	29.02	29.04	29.06	28.824
13	29.08	29.10	29.11	29.13	29.14	29.15	29.17	29.17	29.17	29.17	29.18	29.19	29.19	29.19	29.19	29.20	29.20	29.21	29.23	29.24	29.25	29.26	29.28	29.30	29.187
14	29.31	29.32	29.33	29.34	29.34	29.35	29.37	29.39	29.40	29.40	29.42	29.43	29.43	29.43	29.43	29.43	29.44	29.43	29.43	29.43	29.43	29.42	29.41	29.41	29.397
15	29.41	29.41	29.40	29.38	29.37	29.37	29.37	29.36	29.34	29.32	29.31	29.30	29.28	29.26	29.24	29.23	29.21	29.19	29.16	29.15	29.12	29.10	29.08	29.06	28.267
16	29.05	29.03	29.01	28.99	28.98	28.97	28.95	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.95	28.95	28.94	28.94	28.94	28.94	28.95	28.96	28.96	28.960
17	28.96	28.97	28.97	28.97	28.97	28.97	28.98	29.00	29.01	29.01	29.00	28.99	28.98	28.97	28.95	28.92	28.90	28.89	28.86	28.84	28.81	28.75	28.70	28.64	28.917
18	28.57	28.53	28.47	28.41	28.28	28.28	28.25	28.21	28.19	28.16	28.15	28.14	28.12	28.09	28.09	28.08	28.08	28.08	28.07	28.05	28.06	28.08	28.09	28.09	28.192
19	28.10	28.11	28.13	28.14	28.16	28.19	28.21	28.24	28.27	28.30	28.33	28.36	28.39	28.42	28.45	28.49	28.51	28.54	28.56	28.58	28.60	28.61	28.62	28.64	28.373
20	28.65	28.66	28.66	28.66	28.66	28.67	28.68	28.69	28.70	28.71	28.73	28.74	28.75	28.75	28.76	28.76	28.77	28.77	28.77	28.77	28.77	28.77	28.78	28.79	28.726
21	28.79	28.79	28.78	28.78	28.78	28.78	28.79	28.78	28.77	28.78	28.79	28.80	28.81	28.81	28.82	28.83	28.83	28.83	28.85	28.87	28.89	28.90	28.90	28.91	28.819
22	28.91	28.92	28.91	28.92	28.92	28.92	28.92	28.93	28.93	28.93	28.94	28.94	28.93	28.92	28.92	28.93	28.94	28.94	28.94	28.94	28.94	28.93	28.92	28.91	28.927
23	28.90	28.89	28.85	28.83	28.81	28.78	28.75	28.73	28.71	28.70	28.68	28.67	28.66	28.65	28.63	28.61	28.60	28.59	28.58	28.57	28.56	28.56	28.55	28.54	28.683
24	28.54	28.55	28.56	28.56	28.56	28.56	28.55	28.54	28.54	28.54	28.53	28.52	28.50	28.50	28.48	28.46	28.45	28.45	28.44	28.44	28.44	28.44	28.44	28.44	28.501
25	28.44	28.44	28.45	28.45	28.45	28.46	28.46	28.47	28.49	28.51	28.53	28.55	28.57	28.58	28.60	28.62	28.64	28.66	28.67	28.69	28.71	28.72	28.74	28.76	28.569
26	28.76	28.76	28.77	28.78	28.78	28.80	28.80	28.81	28.82	28.83	28.83	28.84	28.85	28.85	28.84	28.83	28.83	28.84	28.84	28.84	28.84	28.84	28.85	28.86	28.820
27	28.85	28.85	28.85	28.85	28.84	28.84	28.84	28.84	28.84	28.83	28.82	28.81	28.79	28.78	28.77	28.75	28.75	28.75	28.74	28.74	28.73	28.73	28.73	28.72	28.793
28	28.70	28.69	28.69	28.68	28.68	28.68	28.67	28.67	28.66	28.66	28.65	28.65	28.64	28.65	28.66	28.66	28.67	28.69	28.70	28.71	28.72	28.72	28.73	28.74	28.682
29	28.73	28.72	28.71	28.70	28.69	28.69	28.68	28.67	28.65	28.64	28.62	28.61	28.61	28.59	28.58	28.57	28.57	28.56	28.56	28.56	28.55	28.54	28.54	28.54	28.620
30	28.54	28.54	28.54	28.54	28.54	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.54	28.54	28.55	28.55	28.56	28.57	28.59	28.61	28.543
Mean	28.977	28.976	28.972	28.968	28.960	28.961	28.961	28.962	28.962	28.960	28.962	28.964	28.965	28.964	28.963	28.964	28.966	28.968	28.970	28.973	28.974	28.974	28.975	28.975	28.967

OCTOBER 1929

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.62	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.64	28.64	28.63	28.64	28.65	28.66	28.65	28.64	28.65	28.66	28.68	28.68	28.69	28.69	28.645
2	28.70	28.72	28.73	28.74	28.75	28.76	28.77	28.78	28.78	28.79	28.82	28.83	28.84	28.84	28.84	28.85	28.86	28.86	28.87	28.88	28.88	28.88	28.90	28.91	28.816
3	28.91	28.93	28.93	28.93	28.93	28.93	28.92	28.92	28.92	28.91	28.91	28.90	28.89	28.88	28.87	28.85	28.84	28.83	28.81	28.81	28.79	28.79	28.78	28.77	28.873
4	28.76	28.76	28.75	28.73	28.71	28.71	28.70	28.69	28.68	28.67	28.66	28.64	28.63	28.63	28.62	28.61	28.60	28.59	28.59	28.58	28.57	28.58	28.58	28.57	28.650
5	28.56	28.55	28.54	28.53	28.52	28.51	28.52	28.52	28.51	28.50	28.48	28.47	28.46	28.45	28.44	28.43	28.42	28.41	28.39	28.38	28.37	28.35	28.34	28.33	28.457
6	28.32	28.31	28.31	28.30	28.29	28.30	28.30	28.30	28.30	28.32	28.33	28.33	28.33	28.33	28.34	28.35	28.35	28.35	28.35	28.35	28.35	28.34	28.33	28.33	28.325
7	28.33	28.33	28.33	28.32	28.31	28.30	28.30	28.30	28.31	28.31	28.32	28.32	28.33	28.35	28.37	28.39	28.41	28.44	28.46	28.48	28.50	28.53	28.56	28.59	28.383
8	28.61	28.62	28.66	28.68	28.69	28.71	28.72	28.74	28.75	28.78	28.80	28.83	28.85	28.87	28.88	28.89	28.90	28.91	28.92	28.92	28.93	28.94	28.95	28.95	28.812
9	28.96	28.95	28.95	28.95	28.95	28.94	28.94	28.93	28.93	28.92	28.90	28.90	28.89	28.88	28.88	28.88	28.86	28.85	28.84	28.83	28.82	28.81	28.80	28.79	28.890
10	28.79	28.78	28.79	28.79	28.79	28.80	28.81	28.81	28.81	28.81	28.83	28.83	28.84	28.85	28.85	28.85	28.86	28.85	28.85	28.86	28.86	28.87	28.86	28.86	28.829
11	28.87	28.87	28.87	28.87	28.87	28.86	28.85	28.84	28.83	28.83	28.83	28.83	28.81	28.82	28.82	28.82	28.81	28.81	28.81	28.82	28.83	28.83	28.83	28.82	28.835
12	28.81	28.81	28.80	28.78	28.76	28.77	28.77	28.77	28.79	28.81	28.81	28.85	28.87	28.89	28.91	28.95	28.98	29.00	29.02	29.03	29.04	29.05	29.05	29.05	28.890
13	29.05	29.03	29.03	29.02	29.01	28.98	28.97	28.96	28.95	28.94	28.93	28.93	28.92	28.92	28.91	28.91	28.90	28.90	28.91	28.91	28.90	28.90	28.90	28.90	28.945
14	28.90	28.90	28.89	28.89	28.89	28.90	28.91	28.91	28.91	28.92	28.93	28.95	28.95	28.96	28.98	28.98	29.00	29.01	29.01	29.02	29.05	29.07	29.08	29.11	28.963
15	29.13	29.14	29.16	29.18	29.20	29.22	29.23	29.25	29.25	29.25	29.25	29.23	29.23	29.22	29.20	29.20	29.20	29.19	29.18	29.16	29.16	29.14	29.12	29.11	29.192
16	29.10	29.08	29.06	29.06	29.05	29.04	29.02	29.01	29.00	28.99	28.99	28.99	28.98	28.97	28.96	28.95	28.95	28.95	28.95	28.95	28.94	28.94	28.93	28.93	28.991
17	28.92	28.92	28.91	28.91	28.90	28.90	28.90	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.90	28.91	28.91	28.91	28.91	28.91	28.91	28.901
18	28.91	28.91	28.91	28.91	28.91	28.92	28.93	28.94	28.95	28.95	28.96	28.98	28.99	29.00	29.01	29.03	29.03	29.05	29.06	29.08	29.10	29.12	29.15	29.16	28.998
19	29.17	29.18	29.20	29.21	29.22	29.24	29.25	29.26	29.27	29.29	29.30	29.31	29.32	29.33	29.34	29.35	29.36	29.37	29.39	29.40	29.41	29.42	29.43	29.44	29.311
20	29.45	29.44	29.44	29.44	29.43	29.43	29.42	29.42	29.42	29.40	29.40	29.39	29.38	29.37	29.36	29.36	29.36	29.35	29.34	29.33	29.33	29.32	29.32	29.32	29.384
21	29.30	29.29	29.27	29.26	29.24	29.23	29.23	29.22	29.20	29.18	29.18	29.16	29.15	29.15	29.14	29.13	29.12	29.10	29.09	29.08	29.08	29.07	29.06	29.04	29.165
22	29.03	29.01	29.00	28.99	28.96	28.94	28.92	28.91	28.90	28.89	28.88	28.85	28.85	28.83	28.82	28.80	28.78	28.76	28.74	28.72	28.72	28.72	28.71	28.71	28.852
23	28.70	28.69	28.71	28.73	28.73	28.75	28.76	28.77	28.79	28.80	28.81	28.82	28.83	28.83	28.84	28.85	28.86	28.87	28.88	28.90	28.90	28.90	28.91	28.92	28.815
24	28.92	28.92	28.92	28.93	28.94	28.95	28.96	28.96	28.96	28.97	28.98	29.00	29.01	29.01	29.02	29.02	29.03	29.04	29.06	29.07	29.07	29.08	29.10	29.11	29.001
25	29.11	29.12	29.13	29.13	29.13	29.14	29.13	29.13	29.13	29.13	29.13	29.13	29.12	29.11	29.10	29.10	29.10	29.09	29.09	29.09	29.08	29.08	29.08	29.07	29.110
26	29.07	29.06	29.05	29.04	29.04	29.03	29.03	29.02	29.02	29.02	29.02	29.02	29.01	29.00	28.99	28.98	28.98	28.98	28.97	28.96	28.95	28.94	28.95	28.94	29.003
27	28.93	28.93	28.92	28.91	28.91	28.92	28.91	28.91	28.90	28.91	28.91	28.90	28.90	28.90	28.89	28.88	28.88	28.88	28.87	28.86	28.85	28.83	28.82	28.81	28.889
28	28.80	28.79	28.76	28.76	28.76	28.75	28.75	28.74	28.75	28.75	28.76	28.76	28.77	28.77	28.77	28.76	28.77	28.77	28.77	28.78	28.78	28.78	28.78	28.78	28.767
29	28.78	28.79	28.79	28.79	28.78	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.77	28.77	28.78	28.79	28.80	22.80	28.80	28.79	28.80	28.81	28.790
30	28.82	28.81	28.81	28.81	28.81	28.81	28.81	28.82	28.82	28.82	28.83	28.84	28.85	28.85	28.85	28.85	28.86	28.86	28.87	28.89	28.89	28.89	28.90	28.91	28.845
31	28.92	28.93	28.94	28.94	28.95	28.96	28.96	28.97	28.97	28.98	28.99	29.00	29.00	29.00	29.00	29.00	29.00	29.01	29.01	29.01	29.00	29.00	29.00	29.00	28.881
Mean	28.879	28.877	28.877	28.876	28.873	28.875	28.875	28.875	28.875	28.876	28.879	28.881	28.881	28.882	28.881	28.882	28.884	28.884	28.886	28.888	28.888	28.889	28.891	28.892	28.881

156857—30——17

TABLE 28.—*Pressure—hourly values, Little America*—Continued

NOVEMBER 1929

[Inches reduced to 32° F., sea level and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.00	29.00	28.99	28.98	28.98	28.98	28.97	28.97	28.97	28.96	28.95	28.95	28.94	28.93	28.93	28.93	28.93	28.93	28.93	28.94	28.94	28.95	28.96	28.97	28.957
2	28.98	28.98	28.99	28.99	29.00	29.00	29.00	29.01	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.03	29.03	29.04	29.04	29.05	29.06	29.016
3	29.06	29.06	29.07	29.08	29.09	29.10	29.11	29.12	29.13	29.13	29.14	29.15	29.16	29.16	29.16	29.17	29.18	29.18	29.20	29.21	29.21	29.22	29.23	29.23	29.148
4	29.24	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.25	29.25	29.25	29.26	29.26	29.25	29.25	29.25	29.24	29.24	29.24	29.24	29.24	29.23	29.22	29.244
5	29.21	29.20	29.19	29.19	29.19	29.18	29.16	29.15	29.14	29.14	29.14	29.14	29.13	29.13	29.12	29.11	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.138
6	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.09	29.08	29.08	29.07	29.07	29.07	29.05	29.04	29.04	29.03	29.02	29.02	29.01	29.00	28.99	29.065
7	28.98	28.98	28.98	28.98	28.98	28.97	28.96	28.95	28.95	28.95	28.95	28.94	28.94	28.93	28.92	28.92	28.92	28.92	28.93	28.93	28.93	28.93	28.95	28.97	28.948
8	28.98	28.98	28.99	28.99	28.99	29.00	29.01	29.02	29.02	29.02	29.03	29.03	29.05	29.07	29.07	29.06	29.06	29.07	29.08	29.09	29.09	29.09	29.09	29.09	29.040
9	29.09	29.08	29.08	29.08	29.08	29.09	29.09	29.09	29.10	29.10	29.10	29.10	29.09	29.09	29.09	29.08	29.08	29.08	29.08	29.09	29.09	29.10	29.11	29.12	29.091
10	29.12	29.12	29.12	29.13	29.14	29.15	29.16	29.18	29.18	29.18	29.18	29.19	29.19	29.20	29.20	29.20	29.20	29.21	29.22	29.22	29.22	29.23	29.23	29.23	29.183
11	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.22	29.22	29.22	29.22	29.22	29.22	29.23	29.23	29.23	29.227
12	29.23	29.23	29.22	29.21	29.20	29.20	29.20	29.20	29.19	29.19	29.18	29.18	29.16	29.16	29.16	29.15	29.15	29.15	29.14	29.14	29.14	29.14	29.14	29.14	29.175
13	29.14	29.14	29.15	29.16	29.16	29.17	29.17	29.17	29.17	29.17	29.16	29.16	29.16	29.16	29.16	29.17	29.18	29.20	29.22	29.23	29.24	29.26	29.27	29.29	29.186
14	29.30	29.30	29.31	29.31	29.33	29.35	29.37	29.38	29.39	29.39	29.42	29.42	29.42	29.43	29.44	29.45	29.45	29.45	29.45	29.46	29.47	29.48	29.49	29.51	29.407
15	29.53	29.54	29.55	29.57	29.59	29.61	29.61	29.63	29.65	29.66	29.68	29.69	29.71	29.73	29.73	29.73	29.74	29.75	29.77	29.78	29.78	29.80	29.80	29.81	29.685
16	29.82	29.82	29.82	29.82	29.82	29.82	29.83	29.83	29.83	29.83	29.83	29.83	29.83	29.82	29.82	29.82	29.83	29.83	29.84	29.85	29.85	29.85	29.85	29.84	29.830
17	29.84	29.84	29.84	29.83	29.83	29.82	29.82	29.80	29.79	29.78	29.78	29.76	29.75	29.74	29.74	29.73	29.72	29.72	29.72	29.72	29.71	29.71	29.71	29.70	29.767
18	29.69	29.68	29.68	29.67	29.65	29.63	29.62	29.61	29.59	29.54	29.51	29.49	29.47	29.46	29.43	29.42	29.41	29.40	29.40	29.40	29.39	29.38	29.38	29.38	29.512
19	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.37	29.37	29.36	29.35	29.33	29.32	29.30	29.29	29.28	29.28	29.27	29.26	29.26	29.342
20	29.26	29.26	29.26	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.24	29.24	29.24	29.26	29.27	29.27	29.28	29.29	29.29	29.29	29.31	29.32	29.34	29.267
21	29.36	29.37	29.38	29.39	29.42	29.44	29.46	29.47	29.49	29.51	29.52	29.53	29.54	29.56	29.57	29.57	29.58	29.59	29.60	29.62	29.63	29.66	29.68	29.70	29.527
22	29.71	29.73	29.75	29.77	29.79	29.81	29.83	29.84	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.86	29.85	29.85	29.85	29.85	29.85	29.86	29.87	29.87	29.832
23	29.87	29.87	29.88	29.90	29.92	29.92	29.93	29.94	29.96	29.98	29.99	30.00	30.01	30.02	30.03	30.05	30.05	30.06	30.06	30.07	30.07	30.07	30.07	30.07	29.991
24	30.07	30.06	30.06	30.06	30.06	30.05	30.05	30.05	30.04	30.04	30.04	30.04	30.04	30.04	30.04	30.04	30.04	30.05	30.05	30.05	30.05	30.06	30.06	30.06	30.050
25	30.05	30.04	30.02	30.02	30.01	30.00	29.99	29.99	29.97	29.95	29.92	29.91	29.90	29.88	29.87	29.86	29.84	29.82	29.81	29.80	29.78	29.76	29.73	29.72	29.902
26	29.70	29.67	29.63	29.61	29.60	29.59	29.57	29.56	29.53	29.51	29.51	29.49	29.47	29.46	29.46	29.45	29.44	29.43	29.43	29.43	29.42	29.42	29.42	29.41	29.509
27	29.41	29.41	29.40	29.39	29.38	29.37	29.37	29.36	29.35	29.34	29.34	29.34	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.33	29.34	29.35	29.37	29.39	29.357
28	29.40	29.40	29.41	29.42	29.43	29.44	29.45	29.46	29.47	29.48	29.49	29.50	29.50	29.50	29.50	29.51	29.52	29.52	29.53	29.54	29.54	29.55	29.55	29.55	29.486
29	29.54	29.54	29.53	29.53	29.51	29.50	29.49	29.47	29.46	29.45	29.44	29.42	29.40	29.40	29.38	29.38	29.37	29.36	29.35	29.34	29.36	29.36	29.37	29.38	29.430
30	29.38	29.38	29.39	29.40	29.40	29.41	29.41	29.42	29.42	29.42	29.41	29.41	29.41	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.41	29.42	29.404
Mean	29.389	29.388	29.388	29.389	29.392	29.393	29.395	29.396	29.396	29.393	29.393	29.391	29.389	29.388	29.387	29.384	29.383	29.383	29.386	29.389	29.390	29.394	29.398	29.402	29.391

DECEMBER 1929

[Inches reduced to 32° F., sea level and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.41	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.43	29.44	29.44	29.44	29.44	29.44	29.43	29.43	29.43	29.43	29.43	29.42	29.41	29.426
2	29.40	29.40	29.40	29.39	29.38	29.37	29.36	29.36	29.34	29.32	29.31	29.30	29.29	29.28	29.27	29.25	29.23	29.23	29.22	29.22	29.21	29.20	29.20	29.20	29.297
3	29.20	29.20	29.21	29.21	29.22	29.24	29.24	29.24	29.25	29.26	29.26	29.27	29.28	29.30	29.31	29.31	29.32	29.34	29.34	29.36	29.37	29.38	29.39	29.40	29.287
4	29.41	29.42	29.44	29.46	29.48	29.50	29.52	29.54	29.56	29.58	29.59	29.60	29.61	29.63	29.64	29.65	29.66	29.68	29.69	29.70	29.71	29.72	29.73	29.74	29.594
5	29.75	29.76	29.76	29.77	29.78	29.79	29.79	29.79	29.79	29.79	29.79	29.80	29.79	29.79	29.79	29.79	29.79	29.79	29.78	29.78	29.78	29.77	29.76	29.76	29.780
6	29.75	29.75	29.74	29.74	29.73	29.72	29.71	29.70	29.69	29.69	29.69	29.69	29.67	29.66	29.66	29.65	29.64	29.63	29.63	29.63	29.62	29.62	29.62	29.62	29.677
7	29.62	29.63	29.62	29.62	29.63	29.63	29.63	29.64	29.64	29.64	29.64	29.63	29.63	29.62	29.62	29.62	29.62	29.62	29.62	29.61	29.60	29.59	29.58	29.56	29.619
8	29.55	29.53	29.51	29.51	29.49	29.47	29.46	29.44	29.44	29.43	29.42	29.42	29.42	29.41	29.41	29.41	29.41	29.41	29.41	29.42	29.42	29.42	29.43	29.44	29.445
9	29.45	29.47	29.48	29.49	29.50	29.52	29.53	29.54	29.55	29.56	29.58	29.59	29.60	29.61	29.61	29.62	29.62	29.64	29.64	29.65	29.66	29.67	29.67	29.68	29.580
10	29.68	29.68	29.68	29.67	29.67	29.66	29.66	29.66	29.66	29.65	29.64	29.63	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.63	29.64	29.65	29.643
11	29.66	29.67	29.67	29.69	29.70	29.72	29.74	29.76	29.78	29.78	29.79	29.80	29.80	29.81	29.82	29.83	29.83	29.84	29.85	29.85	29.86	29.87	29.88	29.89	29.787
12	29.89	29.90	29.89	29.89	29.89	29.88	29.88	29.89	29.89	29.89	29.88	29.87	29.86	29.85	29.84	29.83	29.82	29.81	29.80	29.80	29.79	29.78	29.77	29.77	29.848
13	29.76	29.75	29.74	29.73	29.73	29.72	29.72	29.72	29.71	29.73	29.73	29.74	29.75	29.76	29.76	29.77	29.77	29.76	29.76	29.76	29.77	29.78	29.79	29.79	29.750
14	29.79	29.79	29.79	29.79	29.79	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.79	29.78	29.78	29.78	29.78	29.79	29.80	29.794
15	29.79	29.78	29.78	29.78	29.78	29.78	29.78	29.77	29.76	29.76	29.76	29.75	29.75	29.76	29.77	29.77	29.77	29.78	29.78	29.78	29.79	29.80	29.81	29.81	29.777
16	29.81	29.81	29.81	29.81	29.81	29.81	29.81	29.81	29.81	29.80	29.79	29.78	29.78	29.78	29.77	29.76	29.76	29.76	29.76	29.76	29.75	29.75	29.74	29.74	29.782
17	29.73	29.73	29.72	29.70	29.70	29.69	29.69	29.68	29.67	29.66	29.66	29.66	29.65	29.65	29.65	29.66	29.66	29.66	29.66	29.66	29.67	29.68	29.69	29.70	29.678
18	29.70	29.70	29.70	29.70	29.71	29.71	29.72	29.72	29.73	29.74	29.74	29.73	29.74	29.74	29.74	29.75	29.76	29.76	29.77	29.77	29.78	29.79	29.79	29.80	29.741
19	29.80	29.81	29.82	29.83	29.83	29.83	29.84	29.84	29.85	29.85	29.85	29.85	29.84	29.84	29.84	29.84	29.83	29.83	29.82	29.82	29.82	29.82	29.82	29.81	29.830
20	29.79	29.79	29.78	29.77	29.76	29.75	29.74	29.73	29.71	29.69	29.69	29.67	29.65	29.63	29.62	29.61	29.62	29.62	29.61	29.60	29.61	29.60	29.60	29.60	29.677
21	29.59	29.59	29.59	29.60	29.61	29.62	29.62	29.62	29.62	29.63	29.64	29.64	29.64	29.65	29.65	29.67	29.68	29.69	29.70	29.71	29.72	29.74	29.75	29.75	29.655
22	29.76	29.77	29.78	29.78	29.79	29.80	29.81	29.82	29.82	29.82	29.82	29.82	29.81	29.80	29.79	29.78	29.78	29.78	29.76	29.75	29.74	29.74	29.74	29.73	29.783
23	29.72	29.71	29.69	29.69	29.69	29.67	29.65	29.64	29.62	29.60	29.58	29.59	29.59	29.58	29.57	29.56	29.56	29.57	29.57	29.57	29.56	29.55	29.55	29.54	29.609
24	29.54	29.54	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.54	29.54	29.54	29.54	29.54	29.53	29.53	29.53	29.53	29.53	29.53	29.52	29.51	29.51	29.531
25	29.50	29.49	29.48	29.47	29.46	29.45	29.44	29.44	29.43	29.43	29.42	29.41	29.41	29.40	29.39	29.38	29.37	29.37	29.36	29.34	29.34	29.33	29.33	29.33	29.407
26	29.34	29.34	29.34	29.34	29.34	29.33	29.32	29.32	29.32	29.31	29.32	29.32	29.33	29.33	29.34	29.34	29.34	29.35	29.36	29.37	29.39	29.40	29.42	29.43	29.347
27	29.44	29.45	29.46	29.46	29.47	29.48	29.49	29.50	29.51	29.52	29.53	29.54	29.55	29.55	29.55	29.55	29.55	29.55	29.55	29.56	29.56	29.57	29.57	29.57	29.522
28	29.57	29.58	29.58	29.58	29.57	29.57	29.57	29.57	29.57	29.57	29.58	29.58	29.57	29.57	29.57	29.56	29.56	29.57	29.57	29.57	29.57	29.57	29.57	29.58	29.572
29	29.57	29.57	29.57	29.57	29.57	29.56	29.56	29.56	29.56	29.56	29.55	29.54	29.53	29.52	29.51	29.50	29.49	29.48	29.48	29.48	29.47	29.47	29.47	29.47	29.525
30	29.46	29.46	29.45	29.45	29.44	29.44	29.43	29.43	29.43	29.43	29.42	29.42	29.41	29.41	29.40	29.40	29.40	29.38	29.38	29.38	29.37	29.37	29.37	29.37	29.412
31	29.37	29.37	29.37	29.36	29.36	29.36	29.35	29.35	29.33	29.34	29.33	29.33	29.32	29.32	29.32	29.33	29.34	29.34	29.35	29.35	29.35	29.36	29.36	29.36	29.347
Mean	29.606	29.608	29.606	29.606	29.607	29.607	29.607	29.607	29.606	29.606	29.605	29.605	29.602	29.602	29.600	29.599	29.599	29.600	29.599	29.600	29.601	29.603	29.605	29.607	29.604

TABLE 28.—*Pressure—hourly values, Little America*—Continued

JANUARY 1930

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.35	29.36	29.37	29.38	29.38	29.38	29.38	29.39	29.40	29.41	29.41	29.41	29.42	29.42	29.42	29.42	29.43	29.43	29.44	29.44	29.44	29.44	29.45	29.45	29.409
2	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.44	29.44	29.44	29.43	29.42	29.41	29.41	29.40	29.39	29.38	29.37	29.37	29.37	29.38	29.39	29.39	29.418
3	29.39	29.40	29.40	29.40	29.40	29.39	29.38	29.38	29.38	29.37	29.37	29.36	29.35	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.33	29.32	29.31	29.30	29.357
4	29.29	29.29	29.28	29.27	29.27	29.27	29.26	29.25	29.25	29.24	29.23	29.21	29.20	29.20	29.20	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.20	29.226
5	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.19	29.19	29.19	29.19	29.18	29.17	29.16	29.15	29.14	29.12	29.11	29.10	29.10	29.09	29.08	29.07	29.160
6	29.06	29.06	29.05	29.04	29.03	29.02	29.01	29.00	28.99	28.98	28.97	28.96	28.96	28.95	28.95	28.95	28.95	28.95	28.95	28.94	28.94	28.95	28.96	29.96	28.982
7	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.95	28.94	28.93	28.93	28.94	28.96	29.00	29.03	29.04	28.963
8	29.05	29.06	29.08	29.11	29.12	29.14	29.16	29.18	29.19	29.20	29.20	29.22	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.185
9	29.23	29.23	29.23	29.23	29.22	29.22	29.22	29.21	29.21	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.208
10	29.19	29.19	29.18	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.18	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.20	29.21	29.22	29.186
11	29.22	29.22	29.23	29.23	29.24	29.24	29.26	29.27	29.28	29.29	29.30	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.33	29.33	29.34	29.34	29.34	29.35	29.294
12	29.35	29.35	29.35	29.35	29.35	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.35	29.35	29.35	29.34	29.34	29.34	29.33	29.33	29.33	29.350
13	29.32	29.32	29.31	29.30	29.30	29.30	29.30	29.30	29.29	29.28	29.27	29.27	29.26	29.25	29.25	29.24	29.24	29.24	29.24	29.24	29.23	29.23	29.23	29.23	29.268
14	29.23	29.23	29.22	29.22	29.22	29.23	29.23	29.23	29.23	29.23	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.236
15	29.26	29.26	29.26	29.27	29.27	29.28	29.29	29.30	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.32	29.32	29.32	29.33	29.33	29.33	29.33	29.33	29.303
16	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.32	29.31	29.31	29.31	29.30	29.30	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.30	29.30	29.316
17	29.29	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.27	29.26	29.26	29.25	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.260
18	29.25	29.25	29.24	29.24	29.24	29.24	29.25	29.26	29.27	29.28	29.28	29.29	29.29	29.29	29.29	29.30	29.30	29.31	29.31	29.32	29.32	29.34	29.36	29.37	29.287
19	29.37	29.37	29.37	29.38	29.38	29.29	29.40	29.41	29.42	29.43	29.44	29.44	29.45	29.46	29.46	29.46	29.46	29.46	29.47	29.47	29.48	29.49	29.50	29.50	29.436
20	29.50	29.51	29.52	29.52	29.53	29.55	29.57	29.58	26.59	29.61	29.62	29.62	29.63	29.64	29.64	29.64	29.65	29.66	29.67	29.68	29.69	29.70	29.71	29.71	29.614
21	29.71	29.71	29.72	29.72	29.72	29.72	29.73	29.74	29.74	29.75	29.76	29.75	29.74	29.73	29.73	29.72	29.71	29.71	29.70	29.69	29.68	29.68	29.66	29.64	29.715
22	29.62	29.61	29.58	29.56	29.54	29.52	29.51	29.50	29.48	29.46	29.45	29.44	29.42	29.40	29.40	29.39	29.38	29.36	29.35	29.34	29.33	29.33	29.32	29.31	29.442
23	29.31	29.29	29.27	29.26	29.25	29.24	29.24	29.24	29.22	29.22	29.21	29.20	29.19	29.18	29.17	29.16	29.16	29.16	29.15	29.15	29.15	29.14	29.13	29.12	29.200
24	29.11	29.11	29.10	29.09	29.09	29.09	29.09	29.09	29.09	29.08	29.08	29.08	29.08	29.08	20.08	29.08	29.08	29.08	29.08	29.08	29.09	29.11	29.13	19.13	29.092
25	29.13	29.13	29.13	29.13	29.13	29.13	29.14	29.14	29.14	29.14	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.14	29.14	29.14	29.15	29.15	29.135
26	29.15	29.15	29.15	29.15	29.15	29.15	29.16	29.16	29.16	29.17	29.17	29.17	29.17	29.17	29.18	19.18	29.18	29.18	29.19	29.20	29.21	29.22	29.23	29.23	29.176
27	29.23	29.23	29.24	22.25	29.26	29.28	29.29	29.31	29.31	29.32	29.33	29.33	29.33	29.34	29.35	29.35	29.35	29.35	29.35	29.36	29.35	29.35	29.34	29.33	29.314
28	29.32	29.30	29.28	29.26	29.24	29.23	29.22	29.21	29.20	29.19	29.18	29.17	29.16	29.15	29.14	29.13	29.12	29.11	29.11	29.10	29.09	29.08	29.07	29.05	29.171
29	29.04	29.01	28.99	28.98	28.97	28.96	28.95	28.95	28.93	28.92	28.91	28.90	28.90	28.89	28.88	28.88	28.88	28.89	28.90	28.91	28.91	28.92	28.93	28.93	28.930
30	28.93	28.94	28.96	28.97	28.98	28.99	29.00	29.02	29.03	29.04	29.05	29.06	29.07	29.08	29.08	29.09	29.10	29.11	29.12	29.13	29.14	29.15	29.16	29.16	29.057
31	29.15	29.15	29.14	29.14	29.16	29.17	29.18	29.20	29.21	29.23	29.22	29.22	29.21	29.20	29.19	29.17	29.16	29.14	29.13	29.11	29.12	29.12	29.13	29.13	29.166
Mean	29.258	29.256	29.254	29.253	29.253	29.254	29.257	29.260	29.259	29.260	29.259	29.258	29.256	29.253	29.252	29.248	29.247	29.246	29.246	29.246	29.248	29.252	29.255	29.254	29.253

FEBRUARY 1930

[Inches reduced to 32° F., sea level and gravity at 45 °. 180th meridian time]

Hour	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*	*22*	*23*	*24*	Mean
Day																									
1	29.13	29.14	29.14	29.14	29.14	29.14	29.15	29.15	29.16	29.16	29.16	29.15	29.15	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.15	29.15	29.145
2	29.15	29.15	29.14	29.14	29.14	29.15	29.16	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.16	29.16	29.15	29.15	29.15	29.15	29.14	29.14	29.13	29.155
3	29.12	29.11	29.10	29.09	29.09	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.09	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.091
4	29.10	29.10	29.11	29.11	29.11	29.12	29.13	29.14	29.14	29.15	29.17	29.18	29.19	29.20	29.20	29.20	29.21	29.21	29.22	29.22	29.22	29.21	29.21	29.20	29.169
5	29.20	29.20	29.20	29.20	29.19	29.19	29.19	29.19	29.19	29.19	29.18	29.18	------	------	------	------	------	------	------	------	------	------	------	------	------

FEBRUARY 1934

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
12	------	------	------	------	------	------	------	29.64	29.62	29.60	29.59	29.59	29.59	29.59	29.58	29.58	29.57	29.56	29.55	29.55	29.55	29.54	29.57	29.58	29.579
13	29.57	29.57	29.56	29.55	29.55	29.55	29.55	29.54	29.53	29.53	29.53	29.53	29.53	29.52	29.51	29.50	29.49	29.49	29.49	29.50	29.50	29.49	29.49	29.49	29.523
14	29.49	29.48	29.47	29.47	29.47	29.46	29.46	29.45	29.44	29.43	29.42	29.41	29.41	29.41	29.40	29.39	29.38	29.37	29.37	29.37	29.36	29.35	29.34	29.34	29.414
15	29.34	29.33	29.33	29.33	29.33	29.31	29.31	29.30	29.28	29.27	29.27	29.24	29.23	29.21	29.20	29.21	29.22	29.24	29.24	29.24	29.24	29.24	29.23	29.23	29.265
16	29.23	29.23	29.24	29.23	29.23	29.22	29.22	29.20	29.20	29.20	29.21	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.22	29.23	29.24	29.24	29.25	29.25	29.222
17	29.25	29.25	29.25	29.23	29.22	29.22	29.22	29.22	29.21	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.22	29.22	29.23	29.22	29.22	29.22	29.21	29.22	29.222
18	29.21	29.21	29.20	29.20	29.19	29.20	29.20	29.20	29.20	29.22	29.23	29.23	29.23	29.24	29.25	29.26	29.28	29.32	29.34	29.35	29.37	29.38	29.40	29.41	29.263
19	29.43	29.44	29.46	29.47	29.49	29.50	29.50	29.50	29.49	29.49	29.48	29.47	29.46	29.45	29.43	29.42	29.43	29.40	29.40	29.39	29.38	29.37	29.37	29.37	29.441
20	29.36	29.35	29.33	29.32	29.31	29.29	29.28	29.27	29.26	29.25	29.24	29.23	29.23	29.22	29.22	29.22	29.23	29.21	29.21	29.20	29.20	29.19	29.21	29.21	29.252
21	29.21	29.21	29.20	29.19	29.19	29.19	29.19	29.18	29.18	29.18	29.15	29.14	29.13	29.09	29.08	29.08	29.07	29.08	29.08	29.08	29.09	29.09	29.09	29.08	29.135
22	29.08	29.08	29.08	29.08	29.08	29.07	29.06	29.06	29.04	29.03	29.02	29.02	29.01	29.00	28.99	28.99	28.98	28.99	28.99	29.00	29.01	29.02	29.04	29.07	29.033
23	29.08	29.09	29.10	29.11	29.13	29.15	29.16	29.19	29.21	29.23	29.24	29.25	29.27	29.30	29.31	29.33	29.33	29.35	29.39	29.40	29.42	29.45	29.47	29.48	29.268
24	29.49	29.50	29.52	29.53	29.54	29.55	29.57	29.57	29.58	29.58	29.58	29.59	29.58	29.58	29.58	29.58	29.58	29.58	29.57	29.57	29.56	29.56	29.55	29.54	29.560
25	29.54	29.53	29.52	29.50	29.49	29.48	29.48	29.47	29.45	29.45	29.40	29.42	29.42	29.42	29.40	29.38	29.38	29.37	29.37	29.36	29.35	29.35	29.36	29.36	29.427
26	29.36	29.35	29.34	29.34	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.31	29.30	29.28	29.28	29.28	29.29	29.30	29.30	29.31	29.31	29.32	29.32	29.32	29.319
27	29.33	29.34	29.36	29.37	29.37	29.37	29.37	29.37	29.37	29.35	29.34	29.33	29.32	29.31	29.30	29.30	29.29	29.30	29.29	29.28	29.27	29.26	29.26	29.25	29.321
28	29.24	29.23	29.21	29.20	29.18	29.16	29.16	29.14	29.13	29.11	29.10	29.08	29.07	29.07	29.07	29.05	29.05	29.04	29.04	29.04	29.03	29.02	29.02	29.02	29.102
Mean	29.326	29.324	29.323	29.320	29.319	29.316	29.317	29.331	29.325	29.321	29.314	29.309	29.306	29.301	29.296	29.294	29.295	29.296	29.299	29.299	29.300	29.299	29.305	29.307	29.310

TABLE 28.—*Pressure—hourly values, Little America*—Continued

MARCH 1934

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.01	29.01	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.03	29.03	29.04	29.05	29.05	29.05	29.06	29.07	29.07	29.07	29.07	29.08	29.09	29.10	29.12	29.047
2	29.13	29.13	29.12	29.13	29.14	29.15	29.15	29.16	29.17	29.16	29.16	29.14	29.13	29.12	29.09	29.08	29.05	29.02	29.00	28.98	28.95	28.93	28.89	28.86	29.077
3	28.84	28.81	28.80	28.77	28.75	28.73	28.71	28.70	28.69	28.70	28.70	28.72	28.74	28.75	28.76	28.78	28.81	28.83	28.86	28.90	28.90	28.98	29.04	29.07	28.806
4	29.12	29.17	29.19	29.22	29.24	29.26	29.28	29.31	29.33	29.32	29.29	29.28	29.26	29.25	29.25	29.24	29.25	29.25	29.26	29.27	29.28	29.28	29.29	29.29	29.257
5	29.29	29.30	29.29	29.30	29.30	29.31	29.32	29.32	29.32	29.32	29.33	20.31	29.30	29.30	29.28	29.27	29.26	29.26	29.25	29.23	29.23	29.21	29.19	29.18	29.278
6	29.18	29.16	29.14	29.14	29.14	29.13	29.13	29.13	29.13	29.13	29.11	29.11	29.10	29.10	29.08	29.07	29.08	29.07	29.08	29.08	29.08	29.05	29.11	29.15	29.112
7	29.16	29.19	29.23	29.26	29.29	29.33	29.37	29.39	29.42	29.43	29.43	29.41	29.41	29.39	29.38	29.37	29.36	29.35	29.34	29.34	29.34	29.33	29.32	29.31	29.340
8	29.30	29.37	29.24	29.22	29.21	29.21	29.20	29.19	29.18	29.18	29.16	29.09	29.05	29.00	28.96	28.92	28.91	28.90	28.89	28.89	28.89	28.89	28.91	28.93	29.070
9	28.94	28.94	28.93	28.92	28.91	28.90	28.89	28.87	28.86	28.85	28.85	28.84	28.85	28.86	28.87	28.89	28.90	28.92	28.93	28.95	28.96	28.98	29.01	29.02	28.910
10	29.03	29.04	29.04	29.04	29.05	29.07	29.10	29.13	29.15	29.15	29.19	29.21	29.24	29.26	29.28	29.32	29.33	29.33	29.36	29.38	29.39	29.41	29.43	29.43	29.223
11	29.44	29.44	29.46	29.46	29.45	29.45	29.44	29.43	29.42	29.40	29.38	29.35	29.30	29.28	29.25	29.21	29.18	29.16	29.12	29.08	29.06	29.05	29.04	29.03	29.287
12	29.02	29.01	29.00	28.98	28.98	28.97	28.96	28.94	28.93	28.92	28.89	28.87	28.86	28.84	28.82	28.82	28.81	28.80	28.79	28.79	28.80	28.80	28.79	28.79	28.882
13	28.78	28.78	28.80	28.82	28.84	28.85	28.87	28.89	28.92	28.94	28.96	28.98	28.90	28.90	29.01	29.02	29.06	29.06	29.07	29.08	29.10	29.12	29.12	29.13	28.958
14	29.13	29.15	29.15	29.17	29.18	29.19	29.20	29.21	29.21	29.22	29.23	29.21	29.20	29.21	29.21	29.22	29.24	29.24	29.24	29.24	29.24	29.24	29.22	29.21	29.207
15	29.20	29.17	29.17	29.17	29.17	29.15	29.14	29.14	29.13	29.12	29.12	29.12	29.11	29.10	29.08	29.08	29.10	29.10	29.11	29.11	29.11	29.12	29.12	29.12	29.128
16	29.12	29.12	29.10	29.11	29.11	29.11	29.12	29.13	29.13	29.13	29.14	29.14	29.15	29.15	29.16	29.17	29.18	29.20	29.20	29.21	29.22	29.23	29.24	29.25	29.159
17	29.27	29.30	29.32	29.33	29.35	29.36	29.38	29.40	29.41	29.43	29.44	29.44	29.46	29.46	29.46	29.46	29.48	29.49	29.50	29.50	29.49	29.50	29.49	29.49	29.425
18	29.48	29.48	29.47	29.47	29.47	29.47	29.48	29.49	29.49	29.49	29.49	29.49	29.50	29.51	29.51	29.51	29.52	29.52	29.53	29.54	29.55	29.55	29.56	29.56	29.505
19	29.57	29.56	29.55	29.55	29.56	29.55	29.55	29.55	29.53	29.53	29.53	29.54	29.53	29.52	29.50	29.51	29.50	29.50	29.49	29.46	29.45	29.44	29.43	29.41	29.513
20	29.39	29.38	29.36	29.33	29.31	29.29	29.26	29.25	29.27	29.26	29.24	29.21	29.19	29.19	29.17	29.17	29.17	29.18	29.19	29.19	29.20	29.21	29.21	29.21	29.243
21	29.22	29.22	29.22	29.22	29.22	29.21	29.20	29.18	29.16	29.15	29.13	29.12	29.10	29.10	29.10	29.09	29.07	29.06	29.06	29.05	29.04	29.05	29.05	29.06	29.128
22	29.07	29.07	29.07	29.06	29.07	29.07	29.08	29.10	29.10	29.10	29.11	29.11	29.10	29.10	29.10	29.10	29.10	29.10	29.11	29.12	29.13	29.14	29.16	29.17	29.102
23	29.17	29.19	29.20	29.20	29.22	29.24	29.26	29.28	29.29	29.31	29.33	29.33	29.34	29.34	29.35	29.35	29.35	29.36	29.36	29.36	29.36	29.35	29.33	29.31	29.299
24	29.30	29.28	29.26	29.25	29.24	29.23	29.21	29.22	29.25	29.26	29.26	29.25	29.24	29.23	29.23	29.25	29.28	29.29	29.30	29.31	29.34	29.37	29.41	29.43	29.279
25	29.46	29.51	29.56	29.57	29.58	29.61	29.63	29.64	29.66	29.66	29.68	29.68	29.69	29.69	29.70	29.68	29.67	29.67	29.66	29.66	29.64	29.64	29.62	29.60	29.632
26	29.57	29.55	29.52	29.49	29.45	29.41	29.40	29.38	29.36	29.31	29.28	29.25	29.20	29.17	29.16	29.19	29.21	29.22	29.24	29.26	29.27	29.27	29.27	29.27	29.321
27	29.27	29.27	29.26	29.26	29.25	29.25	29.25	29.25	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.24	29.25	29.26	29.26	29.26	29.27	29.27	29.27	29.254
28	29.27	29.27	29.26	29.26	29.26	29.26	29.27	29.27	29.27	29.27	29.28	29.29	29.29	29.29	29.29	29.29	29.28	29.27	29.27	29.27	29.27	29.28	29.28	29.29	29.275
29	29.31	29.31	29.32	29.32	29.33	29.34	29.35	29.36	29.39	29.40	29.42	29.42	29.42	29.43	29.43	29.43	29.44	29.45	29.44	29.44	29.44	29.44	29.44	29.44	29.396
30	29.43	29.42	29.40	29.37	29.35	29.35	29.34	29.34	29.34	29.34	29.33	29.34	29.34	29.32	29.31	29.30	29.32	29.33	29.32	29.32	29.33	29.34	29.34	29.33	29.344
31	29.33	29.33	29.32	29.32	29.31	29.32	29.33	29.33	29.34	29.34	29.34	29.35	29.36	29.36	29.36	29.35	29.36	29.37	29.38	29.38	29.38	29.39	29.38	29.38	29.350
Mean	29.219	29.224	29.218	29.217	29.218	29.219	29.222	29.226	29.229	29.229	29.228	29.222	29.215	29.210	29.208	29.208	29.212	29.214	29.215	29.217	29.219	29.224	29.228	29.229	29.220

APRIL 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.39	29.37	29.37	29.41	29.35	29.32	29.31	29.29	29.29	29.27	29.25	29.24	29.22	29.19	29.17	29.14	29.12	29.12	29.09	29.08	29.06	29.03	29.01	28.99	29.212
2	28.97	28.97	28.95	28.93	28.92	28.92	28.95	29.02	29.06	29.10	29.13	29.17	29.19	29.20	29.19	29.18	29.17	29.12	29.11	29.08	29.06	29.00	28.94	28.91	29.052
3	28.85	28.77	28.71	28.61	28.54	28.45	28.38	28.31	28.25	28.19	28.14	28.10	28.08	28.10	28.10	28.13	28.13	28.14	28.17	28.17	28.18	28.18	28.19	28.21	28.295
4	28.22	28.23	28.25	28.26	28.28	28.28	28.29	28.32	28.36	28.39	28.43	28.45	28.49	28.54	28.55	28.63	28.67	28.74	28.80	28.82	28.86	28.90	28.92	28.96	28.527
5	28.99	29.00	29.00	29.00	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.04	29.04	29.02	29.01	29.01	29.03	29.04	29.04	29.06	29.06	29.06	29.07	29.07	29.027
6	29.07	29.06	29.06	29.06	29.07	29.07	29.06	29.05	29.05	29.05	29.03	29.04	29.04	29.04	29.03	29.04	29.04	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.049
7	29.05	29.04	29.04	29.04	29.03	29.02	29.00	28.99	28.98	28.97	28.97	28.96	28.96	28.95	28.94	28.93	28.90	28.92	28.92	28.91	28.91	28.92	18.92	28.92	28.966
8	28.93	28.93	28.92	28.92	28.93	28.93	28.94	28.94	28.95	28.96	28.97	28.97	28.97	28.97	28.98	28.98	29.00	29.01	29.02	29.02	29.03	19.04	29.05	29.06	28.976
9	29.07	29.08	29.08	29.09	29.09	29.09	29.10	29.12	29.12	29.14	29.15	29.15	29.15	29.16	29.16	29.16	29.16	29.17	29.17	29.18	29.19	29.20	29.21	29.20	29.141
10	29.20	29.20	29.20	29.21	29.22	29.22	29.22	29.21	29.21	29.20	29.19	29.19	29.19	29.19	29.18	29.18	29.19	29.19	29.19	29.18	29.18	29.17	29.17	29.16	29.193
11	29.14	29.12	29.10	29.10	29.10	29.10	29.09	29.08	29.06	29.05	29.04	29.03	29.02	29.00	29.00	28.98	28.98	28.97	28.97	28.96	28.96	28.95	28.95	28.96	29.030
12	28.95	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.93	28.94	28.94	28.94	28.94	28.94	28.94	28.95	28.96	28.97	28.98	29.01	29.01	29.00	29.00	28.955
13	28.99	28.99	28.99	29.01	29.04	29.06	29.07	29.07	29.07	29.07	29.08	29.09	29.09	29.09	29.09	29.09	29.09	29.07	29.08	29.07	29.08	29.08	29.08	29.08	29.063
14	29.08	29.08	29.09	29.09	29.09	29.09	29.08	29.09	29.10	29.10	29.10	29.10	29.11	29.10	29.10	29.09	29.08	29.09	29.09	29.08	29.07	29.06	29.06	29.06	29.087
15	29.06	29.03	29.02	29.01	28.98	28.97	28.96	28.95	28.95	28.94	28.90	28.88	28.87	28.88	28.88	28.88	28.88	28.87	28.86	28.85	28.84	28.84	28.84	28.82	28.915
16	28.83	28.83	28.82	28.82	28.83	28.83	28.82	28.82	28.82	28.83	28.83	28.84	28.86	28.88	28.89	28.90	28.91	28.93	28.94	28.97	28.99	29.00	29.01	29.01	28.884
17	29.00	29.00	29.01	29.01	29.02	29.06	29.06	29.07	29.06	29.07	29.08	29.09	29.10	29.10	29.11	29.11	29.12	29.12	29.12	29.12	29.13	29.14	29.14	29.14	29.082
18	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.15	19.15	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.15	29.14	29.141
19	29.11	29.10	29.10	29.14	29.16	29.16	29.16	29.16	29.16	29.17	29.17	29.16	29.17	29.18	29.19	29.19	29.19	29.19	29.19	29.20	29.22	29.23	29.23	29.23	29.173
20	29.24	29.25	29.26	29.26	29.25	29.24	29.25	29.25	29.25	29.26	29.27	29.24	29.26	29.26	29.27	29.27	29.27	29.28	29.29	29.29	29.28	29.29	29.28	29.28	29.264
21	29.28	29.27	29.26	29.26	29.24	29.23	29.22	29.21	29.20	29.19	29.19	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.16	29.16	29.16	29.15	29.16	29.16	29.198
22	29.16	29.15	29.14	29.14	29.13	29.12	29.11	29.10	29.09	29.08	29.07	29.07	29.06	29.06	29.07	29.08	29.09	29.10	29.11	29.11	29.12	29.13	29.13	29.12	29.106
23	29.11	29.09	29.07	29.06	29.05	29.02	28.99	28.94	28.89	28.85	28.82	28.78	28.75	28.71	28.68	28.66	28.65	28.64	28.64	28.63	28.63	28.63	29.63	28.63	28.815
24	28.64	28.64	28.64	28.63	28.63	28.62	28.64	28.64	28.67	28.68	28.68	28.68	28.69	28.69	28.69	28.70	28.70	28.70	28.71	28.71	28.71	28.74	28.76	28.77	28.682
25	28.78	28.78	28.79	28.83	28.84	28.86	28.89	28.89	28.89	28.90	28.90	28.91	28.92	28.92	28.91	28.91	28.91	28.92	28.92	28.92	28.92	28.93	28.93	28.93	28.887
26	28.92	28.91	28.91	28.92	28.92	28.92	28.92	28.91	28.92	28.92	28.93	28.91	28.92	28.91	28.91	28.91	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.911
27	28.89	28.89	28.88	28.86	28.86	28.85	28.84	28.81	28.80	28.79	28.79	28.77	28.75	28.72	28.71	28.69	28.69	28.69	28.68	28.67	28.67	28.68	28.69	28.68	28.765
28	28.69	28.69	28.71	28.73	28.74	28.77	28.78	28.79	28.81	28.84	28.86	28.87	28.87	28.89	28.90	28.92	28.93	28.95	28.98	29.02	29.05	29.07	29.11	29.13	28.879
29	29.13	29.15	29.15	29.16	29.16	29.15	29.16	29.16	29.15	29.15	29.11	29.10	29.10	29.09	29.09	29.09	29.09	29.10	29.10	29.10	29.09	29.09	29.10	29.08	29.119
30	29.05	29.03	29.04	29.04	29.04	29.04	29.07	29.07	29.09	29.09	29.09	29.07	29.07	29.05	29.03	29.03	29.02	29.02	29.01	29.00	28.99	28.99	28.98	28.97	29.037
Mean	28.998	28.991	28.988	28.989	28.987	28.983	28.982	28.979	28.978	28.978	28.976	28.972	28.974	28.972	28.970	28.971	28.973	28.977	28.980	28.981	28.984	28.987	28.989	28.987	28.981

TABLE 28.—*Pressure—hourly values, Little America*—Continued

MAY 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.97	28.97	28.97	28.96	28.96	28.95	28.96	28.95	28.93	28.91	28.90	28.89	28.86	28.84	28.82	28.81	28.80	28.79	28.77	28.78	28.78	28.79	28.79	28.79	28.872
2	28.79	28.79	28.79	28.80	28.81	28.82	28.83	28.83	28.82	28.84	28.84	28.83	28.85	28.85	28.86	28.85	28.85	28.84	28.84	28.84	28.84	28.85	28.86	28.88	28.833
3	28.90	28.90	28.92	28.94	28.97	29.00	29.03	29.07	29.10	29.12	29.14	29.19	29.21	29.24	29.26	29.30	29.34	29.37	29.39	29.42	29.43	29.45	29.47	29.49	29.194
4	29.50	29.51	29.51	29.50	29.51	29.51	29.51	29.50	29.49	29.47	29.46	29.44	29.43	29.42	29.41	29.41	29.42	29.42	29.42	29.42	29.42	29.44	29.46	29.47	29.460
5	29.47	29.48	29.50	29.51	29.51	29.54	29.53	29.53	29.54	29.55	29.55	29.55	29.56	29.55	29.56	29.56	29.56	29.56	29.56	29.56	29.56	29.51	29.51	29.51	29.534
6	29.55	29.54	29.52	29.51	29.50	29.48	29.46	29.46	29.45	29.44	29.42	29.40	29.39	29.38	29.40	29.40	29.37	29.34	29.34	29.33	29.33	29.31	29.31	29.30	29.414
7	29.29	29.28	29.26	29.25	29.24	29.24	29.23	29.22	29.21	29.20	29.19	29.19	29.18	29.17	29.15	29.13	29.13	29.11	29.11	29.10	29.10	29.09	29.09	29.08	29.177
8	29.07	29.07	29.07	29.06	29.05	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.04	29.04	29.06	29.06	29.05	29.04	29.050
9	29.04	29.03	29.02	29.01	28.99	28.99	28.98	28.98	28.98	28.97	28.98	28.98	28.97	28.95	28.96	28.96	28.96	28.97	28.97	28.97	28.98	28.98	28.98	28.99	28.983
10	29.00	29.01	29.01	29.01	29.01	29.01	29.01	29.02	29.02	29.03	29.03	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.06	29.07	29.07	29.07	29.07	29.07	29.037
11	29.07	29.07	29.05	29.04	29.03	29.03	29.03	29.04	29.04	29.04	29.05	29.06	29.07	29.08	29.08	29.08	29.08	29.09	29.09	29.09	29.10	29.10	29.09	29.08	29.066
12	29.06	29.05	29.04	29.02	29.02	29.01	29.00	29.00	28.99	28.97	28.96	28.94	28.93	28.92	28.91	28.89	28.88	28.85	28.83	28.81	28.78	28.73	28.71	28.68	28.916
13	28.68	28.66	28.63	28.61	28.59	28.57	28.56	28.54	28.52	28.50	28.48	28.48	28.46	28.45	28.46	28.45	38.44	28.42	28.40	28.40	28.39	28.38	28.38	28.38	28.493
14	28.39	28.35	28.35	28.36	28.37	28.36	28.38	28.42	28.44	28.44	28.43	28.43	28.44	28.45	28.46	28.46	28.47	28.46	28.47	28.47	28.49	28.49	28.50	28.51	28.433
15	28.51	28.50	28.51	28.52	28.52	28.51	28.51	28.51	28.51	28.52	28.53	28.54	28.55	28.56	28.57	25.58	28.60	28.61	28.63	28.64	28.65	28.66	28.67	28.67	28.566
16	28.71	28.73	28.76	28.79	28.80	28.82	28.83	28.85	28.86	28.87	28.88	28.89	28.90	28.91	28.92	28.97	28.98	28.98	29.00	29.02	29.05	29.06	29.06	29.07	28.905
17	29.09	29.11	29.14	29.15	29.16	29.18	29.19	29.21	29.23	29.25	29.26	29.28	29.29	29.31	29.33	29.33	29.34	29.34	29.35	29.36	29.38	29.40	29.42	29.42	29.272
18	29.43	29.44	29.45	29.45	29.45	29.44	29.43	9.43	29.43	29.44	29.44	29.43	29.43	29.41	29.40	29.40	29.39	29.37	29.36	29.35	29.35	29.34	29.34	29.34	29.406
19	29.32	29.31	29.31	29.29	29.28	29.27	29.27	29.26	29.26	29.25	29.23	29.22	29.21	29.19	29.17	29.15	29.14	29.13	29.10	29.08	29.07	29.04	29.02	29.01	29.191
20	29.02	29.03	29.05	29.08	29.09	29.11	29.13	29.16	19.18	29.20	29.22	29.24	29.29	29.31	29.32	29.33	29.35	29.39	29.41	29.44	29.44	29.44	29.47	29.46	29.257
21	29.48	29.49	29.49	29.51	29.51	29.50	29.49	29.48	29.48	29.46	29.46	29.47	29.47	29.47	29.46	29.43	29.42	29.38	29.35	29.31	29.28	29.21	29.13	29.09	29.409
22	29.05	28.99	28.92	28.85	28.80	28.76	28.72	28.74	28.76	28.78	28.80	28.80	28.83	28.84	28.84	28.85	28.87	28.89	28.92	28.96	28.97	29.03	29.09	29.13	28.883
23	29.15	29.22	29.26	29.30	29.32	29.35	29.40	29.48	29.48	29.50	29.50	29.51	29.52	29.53	29.53	29.53	29.52	29.50	29.47	29.46	29.45	29.44	29.42	29.40	29.427
24	29.37	29.36	29.35	29.33	29.31	29.31	29.31	29.30	29.30	29.30	29.29	29.28	29.28	29.27	29.27	29.29	29.30	29.34	29.38	29.38	29.38	29.37	29.37	29.34	29.324
25	29.33	29.30	29.28	29.26	29.25	29.25	29.25	29.26	29.27	29.27	29.28	29.30	29.30	29.30	29.30	29.30	29.30	29.29	29.28	29.27	29.24	29.22	29.20	29.18	29.270
26	29.17	29.15	29.14	29.12	29.12	29.11	29.10	29.08	29.07	29.06	29.06	29.05	29.04	29.04	29.03	29.02	29.01	29.01	29.00	28.99	28.99	28.97	28.96	28.97	29.052
27	28.96	28.95	28.93	28.93	28.93	28.91	28.90	28.90	28.90	28.89	28.89	28.88	28.87	28.84	28.85	28.84	28.83	28.83	28.82	28.81	28.81	28.79	28.78	28.78	28.867
28	28.77	28.76	28.76	28.76	28.74	28.73	28.72	28.72	28.72	28.72	28.72	28.71	28.71	28.73	28.74	28.74	28.75	28.77	28.77	28.78	28.78	28.78	28.79	28.79	28.748
29	28.80	28.81	28.81	28.82	28.83	28.84	28.85	28.85	28.86	28.88	28.90	28.91	28.93	28.94	28.96	28.97	28.97	29.00	29.01	29.03	29.03	29.04	29.05	29.05	28.922
30	29.06	29.07	29.07	29.07	29.07	29.06	29.05	29.05	29.05	29.04	29.03	29.01	29.00	28.99	29.01	28.99	29.00	29.01	29.02	29.04	29.04	29.06	29.07	29.09	29.040
31	29.10	29.11	29.12	29.12	29.13	29.13	29.13	29.14	29.13	19.13	29.13	29.14	29.14	29.14	29.13	29.13	29.11	29.10	29.09	29.08	29.08	29.07	29.05	29.04	29.111
Mean	29.068	29.066	29.064	29.062	29.060	29.059	29.059	29.065	29.066	29.067	29.067	29.068	29.071	29.070	29.073	29.073	29.074	29.073	29.073	29.074	29.075	29.070	29.070	29.068	29.068

JUNE 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.03	29.00	28.98	28.96	28.93	28.91	28.89	28.86	28.85	28.83	28.80	28.78	28.77	28.77	28.74	28.73	28.73	28.73	28.73	28.74	28.75	28.76	28.78	28.81	28.827
2	28.83	28.86	28.88	28.90	28.94	28.99	29.03	29.11	29.14	29.17	29.20	29.23	29.24	29.26	29.25	29.26	29.24	29.23	29.21	29.18	29.15	29.12	29.10	29.08	29.108
3	29.07	29.06	29.06	29.06	29.08	29.08	29.09	29.10	29.12	29.12	29.13	29.12	29.09	29.08	29.05	29.03	29.03	29.02	29.00	29.00	29.00	28.99	29.00	29.02	29.058
4	29.02	29.01	29.02	29.02	29.02	29.03	29.06	29.08	29.11	29.13	29.15	29.18	29.21	29.24	29.27	29.31	29.33	29.35	29.35	29.38	29.38	29.38	29.38	29.38	29.200
5	29.37	29.37	29.39	29.40	29.41	29.42	29.44	29.45	29.43	29.47	29.44	29.43	29.42	29.38	29.36	29.34	29.32	29.30	29.30	29.26	29.25	29.23	29.23	29.22	29.360
6	29.22	29.23	29.23	29.25	29.25	29.25	29.24	29.24	29.23	29.22	29.19	29.18	29.17	29.16	29.17	29.15	29.13	29.13	29.12	29.11	29.11	29.07	29.06	29.05	29.173
7	29.04	29.03	29.03	29.02	29.02	29.00	28.98	28.95	28.95	28.94	28.93	28.92	28.91	28.90	28.90	28.89	28.89	28.89	28.89	28.88	28.87	28.87	28.88	28.88	28.936
8	28.88	28.88	28.86	28.86	28.86	28.86	28.86	28.85	28.84	28.82	28.80	28.79	28.78	28.77	28.76	28.76	28.77	28.77	28.77	28.76	28.76	28.76	28.75	28.75	28.805
9	28.75	28.74	28.74	28.75	28.74	28.72	28.74	28.72	28.75	28.76	28.77	28.80	28.81	28.85	28.86	28.88	28.90	28.92	28.94	28.97	28.99	29.00	29.01	29.02	28.839
10	29.03	29.04	29.04	29.06	29.07	29.06	29.06	29.05	29.02	29.00	28.97	28.92	28.90	28.87	28.86	28.88	28.89	28.90	28.90	28.89	28.88	28.88	28.89	28.90	28.957
11	28.89	28.88	28.88	28.90	28.91	28.92	28.93	28.95	28.98	29.01	29.04	29.06	29.08	29.12	29.16	29.21	29.24	29.28	29.32	29.36	29.38	29.40	29.40	29.42	29.113
12	29.42	29.41	29.40	29.39	29.36	29.35	29.33	29.30	29.30	29.28	29.26	29.24	29.23	29.22	29.20	29.18	29.16	29.15	29.15	29.16	29.16	29.15	29.16	29.17	29.255
13	29.19	29.19	29.19	29.17	29.17	29.15	29.14	29.12	29.12	29.10	29.08	29.05	29.02	28.97	28.97	28.96	28.93	28.91	28.88	28.85	28.82	28.81	28.79	28.78	29.015
14	28.77	28.73	28.72	28.71	28.67	28.65	28.63	28.60	28.59	28.57	28.55	28.53	28.50	28.48	28.48	28.48	28.48	28.49	28.48	28.47	28.47	28.46	28.46	28.45	28.559
15	28.44	28.44	28.43	28.42	28.42	28.41	28.41	28.39	28.38	28.36	28.36	28.37	28.37	28.38	28.38	28.38	28.39	28.39	28.40	28.40	28.40	28.40	28.41	28.41	28.397
16	28.41	28.41	28.41	28.41	28.41	28.42	28.43	28.44	28.45	28.46	28.47	28.49	28.51	28.53	28.53	28.54	28.55	28.55	28.55	28.56	28.58	28.59	28.60	28.61	28.496
17	28.62	28.63	28.64	28.65	28.65	28.65	28.65	28.66	28.66	28.65	28.65	28.65	28.65	28.65	28.65	28.64	28.66	28.66	28.67	28.67	28.67	28.67	28.67	28.68	28.654
18	28.69	28.70	28.71	28.72	28.73	28.74	28.75	28.75	28.75	28.76	28.77	28.79	28.81	28.80	28.82	28.81	28.79	28.79	28.78	28.78	28.78	28.78	28.77	28.77	28.764
19	28.77	28.75	28.75	28.73	28.72	28.71	28.70	28.69	28.69	28.69	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.70	28.70	28.71	28.72	28.73	28.73	28.705
20	28.74	28.74	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.74	28.72	28.72	28.74	28.74	28.74	28.75	28.75	28.73	28.72	28.70	28.71	28.70	28.70	28.70	28.733
21	28.69	28.69	28.68	28.67	28.67	28.66	28.65	28.64	28.64	28.64	28.64	28.64	28.64	28.63	28.63	28.63	28.63	28.62	28.62	28.61	28.61	28.60	28.61	28.59	28.639
22	28.60	28.60	28.59	28.58	28.57	28.56	28.55	28.54	28.54	28.55	28.55	28.54	28.54	28.53	28.53	28.53	28.53	28.54	28.55	28.57	28.58	28.59	28.60	28.62	28.562
23	28.65	28.66	28.68	28.69	28.70	28.71	28.72	28.74	28.76	28.76	28.76	28.76	28.75	28.74	28.74	28.73	28.70	28.68	28.65	28.62	28.61	28.58	28.58	28.55	28.688
24	28.51	28.49	28.49	28.48	28.47	28.46	28.47	28.46	28.46	28.46	28.47	28.49	28.50	28.52	28.54	28.56	28.57	28.61	28.64	28.68	28.70	28.73	28.74	28.76	28.552
25	28.79	28.80	28.83	28.86	28.88	28.90	28.92	28.95	28.97	28.99	29.01	29.02	29.05	29.06	29.07	29.08	29.08	29.07	29.08	29.07	29.07	29.07	29.05	29.04	28.988
26	29.03	29.03	29.03	29.01	29.00	28.99	28.98	28.97	28.98	29.00	29.01	29.03	29.05	29.06	29.07	29.09	29.11	29.12	29.14	29.15	29.16	29.17	29.19	29.20	29.065
27	29.21	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.23	29.24	29.25	29.25	29.26	29.26	29.26	29.27	29.28	29.29	29.32	29.33	29.35	29.38	29.257
28	29.40	29.41	29.42	29.44	29.47	29.49	29.51	29.52	29.56	29.61	29.64	29.64	29.65	29.66	29.66	29.66	29.67	29.67	29.66	29.65	29.64	29.64	29.63	29.61	29.580
29	29.61	29.58	29.57	29.55	29.54	29.53	29.51	29.51	29.52	29.54	29.54	29.55	29.57	29.58	29.59	29.60	29.60	29.61	29.62	29.62	29.62	29.63	29.64	29.64	29.578
30	29.65	29.65	29.64	29.65	29.65	29.65	29.65	29.65	29.65	29.66	29.67	29.67	29.67	29.67	29.66	29.66	29.64	29.63	29.63	29.62	29.63	29.62	29.61	29.60	29.645
Mean	28.944	28.941	28.942	28.943	28.943	28.941	28.943	28.942	28.947	28.950	28.949	28.950	28.952	28.952	28.953	28.955	28.955	28.956	28.958	28.957	28.959	28.957	28.959	28.961	28.950

TABLE 28.—*Pressure—hourly values, Little America*—Continued

JULY 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.60	29.60	29.56	29.54	29.50	29.49	29.46	29.42	29.40	29.39	29.39	29.35	29.33	29.32	29.31	29.30	29.28	29.28	29.27	29.26	29.26	29.25	29.25	29.25	29.377
2	29.25	29.24	29.22	29.21	29.20	29.19	29.17	29.17	29.17	29.16	29.13	29.11	29.10	29.08	29.06	29.04	29.01	28.99	28.98	28.96	28.96	28.94	28.93	28.93	29.092
3	28.93	28.92	28.91	28.91	28.90	28.90	28.90	28.91	28.94	28.94	28.95	28.96	28.98	28.98	28.98	28.99	28.99	29.01	29.01	29.02	29.03	29.04	29.04	29.04	28.966
4	29.05	29.05	29.05	29.04	29.03	29.03	29.02	29.02	29.02	29.01	29.00	29.00	29.01	29.02	29.03	29.03	29.04	29.05	29.05	29.06	29.07	29.08	29.07	29.07	29.037
5	29.06	29.07	29.07	29.07	29.06	29.06	29.06	29.06	29.07	29.06	29.06	29.07	29.08	29.08	29.09	29.09	29.09	29.09	29.09	29.10	29.10	29.10	29.10	29.10	29.078
6	29.12	29.13	29.13	29.13	29.13	29.13	29.12	29.13	29.13	29.13	29.13	29.13	29.14	29.14	29.14	29.14	29.15	29.16	29.16	29.16	29.16	29.18	29.19	29.21	29.145
7	29.22	29.21	29.22	29.23	29.24	29.24	29.25	29.26	29.27	29.28	29.29	29.32	29.32	29.33	29.33	29.33	29.33	29.34	29.36	29.37	29.39	29.41	29.41	29.43	29.307
8	29.43	29.43	29.43	29.43	29.43	29.43	29.44	29.46	29.48	29.50	29.49	29.50	29.49	29.48	29.46	29.44	29.43	29.41	29.39	29.38	29.35	29.30	29.27	29.25	29.421
9	29.22	29.20	29.16	29.14	29.11	29.08	29.07	29.07	29.03	29.00	29.00	29.00	28.99	28.98	28.97	28.97	28.99	29.00	29.01	29.02	29.02	29.04	29.04	29.04	29.048
10	29.06	29.06	29.06	29.07	29.06	29.06	29.07	29.08	29.08	29.08	29.09	29.10	29.12	29.13	29.13	29.15	29.17	29.18	29.21	29.24	29.25	29.27	29.28	29.32	29.138
11	29.33	29.35	29.38	29.39	29.39	29.39	29.40	29.42	29.42	29.41	29.41	29.42	29.41	29.40	29.40	29.39	29.38	29.37	29.36	29.35	29.35	29.34	29.31	29.31	29.378
12	29.27	29.25	29.25	29.21	29.20	29.16	29.14	29.14	29.14	29.14	29.13	29.12	29.13	29.14	29.15	29.15	29.16	29.15	29.16	29.16	29.17	29.16	29.18	29.21	29.170
13	29.20	29.22	29.23	29.23	29.23	29.23	29.24	29.26	29.29	29.30	29.30	29.31	29.32	29.32	29.31	29.33	29.34	29.34	29.33	29.32	29.32	29.31	29.31	29.30	29.287
14	29.28	29.27	29.26	29.22	29.19	29.17	29.14	29.10	29.10	29.10	29.07	29.04	28.99	28.93	28.91	28.90	28.89	28.90	28.90	28.89	28.88	28.89	28.91	28.93	29.036
15	28.92	28.91	28.91	28.90	28.89	28.87	28.87	28.87	28.87	28.86	28.84	28.83	28.80	28.77	28.74	28.71	28.68	28.65	28.62	28.59	28.55	28.52	28.51	28.48	28.757
16	28.45	28.43	28.40	28.37	28.35	28.34	28.32	28.31	28.31	28.31	28.30	28.30	28.31	28.29	28.29	28.29	28.29	28.29	28.30	28.31	28.33	28.34	28.35	28.36	28.331
17	28.38	28.39	28.42	28.44	28.46	28.46	28.50	28.53	28.55	28.57	28.58	28.60	28.61	28.62	28.62	28.62	28.61	28.60	28.59	28.56	28.54	28.52	28.51	28.51	28.533
18	28.51	28.51	28.50	28.50	28.50	28.50	28.51	28.51	28.52	28.54	28.56	28.57	28.59	28.61	28.63	28.64	28.64	28.65	28.66	28.66	28.67	28.68	28.69	28.69	28.585
19	28.70	28.70	28.70	28.69	28.69	28.69	28.69	28.70	28.72	28.73	28.74	28.74	28.74	28.74	28.74	28.75	28.75	28.76	28.77	28.77	28.77	28.75	28.75	28.75	28.730
20	28.75	28.74	28.75	28.76	28.79	28.81	28.83	28.85	28.88	28.90	28.91	28.93	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.95	28.96	28.884
21	28.97	29.00	29.02	29.05	29.08	29.12	29.16	29.20	29.24	29.27	29.32	29.34	29.37	29.41	29.44	29.46	29.50	29.53	29.56	29.58	29.60	29.62	29.64	29.64	29.338
22	29.64	29.63	29.61	29.59	29.56	29.54	29.49	29.43	29.43	29.41	29.40	29.35	29.27	29.21	29.20	29.19	29.18	29.18	29.19	29.20	29.24	29.31	29.33	29.37	29.373
23	29.39	29.45	29.46	29.50	29.51	29.55	29.60	29.63	29.67	29.71	29.74	29.76	29.79	29.84	29.85	29.86	29.89	29.91	29.90	29.93	29.93	29.92	29.90	29.88	29.732
24	29.89	29.88	29.86	29.83	29.81	29.79	29.74	29.72	29.70	29.66	29.64	29.60	29.57	29.55	29.53	29.50	29.48	29.45	29.42	29.42	29.43	29.42	29.40	29.40	29.612
25	29.39	29.38	29.38	29.37	29.37	29.36	29.37	29.37	29.37	29.37	29.37	29.37	29.38	29.38	29.38	29.38	29.36	29.35	29.35	29.35	29.34	29.33	29.31	29.29	29.361
26	29.28	29.27	29.25	29.23	29.22	29.21	29.19	29.20	29.20	29.19	29.19	29.18	29.18	29.17	29.16	29.16	29.16	29.15	29.14	29.13	29.13	29.11	29.10	29.09	29.179
27	29.08	29.06	29.05	29.05	29.05	29.05	29.07	29.08	29.09	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.099
28	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.12	29.12	29.12	29.10	29.11	29.11	29.09	29.120
29	29.08	29.07	29.05	29.03	29.01	29.00	28.99	28.99	29.00	28.99	28.98	28.96	28.95	28.94	28.92	28.92	28.92	28.89	28.88	28.87	28.83	28.82	28.81	28.80	28.946
30	28.79	28.78	28.76	28.73	28.71	28.69	28.68	28.68	28.69	28.68	28.67	28.66	28.65	28.63	28.63	28.62	28.61	28.60	28.59	28.59	28.59	28.58	28.57	28.57	28.656
31	28.56	28.56	28.56	28.55	28.54	28.54	28.54	28.56	28.57	28.57	28.57	28.57	28.57	28.57	28.56	28.55	28.55	28.54	28.53	28.53	28.52	28.52	28.51	28.51	28.548
Mean	29.094	29.093	29.088	29.082	29.075	29.071	29.069	29.073	29.080	29.081	29.081	29.079	29.077	29.073	29.069	29.067	29.066	29.065	29.063	29.063	29.063	29.062	29.060	29.061	29.073

AUGUST 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.51	28.48	28.47	28.45	28.43	28.42	28.39	28.36	28.34	28.33	28.29	28.26	28.26	28.25	28.23	28.21	28.19	28.18	28.20	28.20	28.20	28.21	28.25	28.25	28.307
2	28.26	28.27	28.30	28.30	28.30	28.30	28.32	28.33	28.32	28.34	28.34	28.34	28.35	28.35	28.35	28.35	28.36	28.37	28.39	28.40	28.45	28.47	28.51	28.54	28.359
3	28.56	28.60	28.65	28.67	28.69	28.72	28.73	28.75	28.78	28.79	28.80	28.82	28.83	28.83	28.84	28.85	28.86	28.87	28.87	28.88	28.88	28.89	28.90	28.90	28.790
4	28.90	28.89	28.87	28.86	28.84	28.84	28.83	28.82	28.79	28.79	28.78	28.77	28.75	28.74	28.73	28.73	28.73	28.73	28.73	28.74	28.74	28.74	28.76	28.78	28.787
5	28.78	28.78	28.78	28.79	28.80	28.82	28.84	28.87	28.89	28.90	28.91	28.94	28.93	28.93	28.94	28.95	28.95	28.95	28.95	28.95	28.95	28.96	28.97	28.98	28.896
6	28.99	29.00	29.00	29.00	28.99	28.98	28.98	28.97	28.96	28.95	28.95	28.94	28.91	28.90	28.89	28.89	28.87	28.86	28.86	28.86	28.85	28.84	28.83	28.82	28.920
7	28.80	28.80	28.79	28.78	28.76	28.75	28.74	28.74	28.75	28.74	28.73	28.72	28.71	28.72	28.72	28.71	28.72	28.72	28.72	28.72	28.73	28.73	28.74	28.75	28.741
8	28.74	28.75	28.75	28.75	28.76	28.77	28.79	28.81	28.82	28.83	28.83	28.85	28.86	28.86	28.87	28.87	28.88	28.90	28.92	28.92	28.93	28.93	28.93	28.92	28.843
9	28.92	28.92	28.91	28.90	28.90	28.91	28.92	28.92	28.92	28.92	28.92	28.93	28.93	28.93	28.93	28.93	28.94	28.95	28.96	28.97	28.97	28.97	28.97	28.97	28.934
10	28.97	28.96	28.94	28.94	28.94	28.94	28.93	28.94	28.94	28.93	28.93	28.92	28.91	28.91	28.89	28.90	28.89	28.88	28.87	28.86	28.85	28.84	28.83	28.83	28.906
11	28.82	28.81	28.80	28.79	28.78	28.77	28.76	28.74	28.73	28.70	28.68	28.66	28.64	28.61	28.57	28.55	28.54	28.51	28.50	28.50	28.50	28.49	28.49	28.50	28.643
12	28.51	28.53	28.54	28.53	28.54	28.53	28.53	28.53	28.54	28.54	28.54	28.53	28.52	28.50	28.49	28.47	28.48	28.47	28.47	28.45	28.44	28.43	28.44	28.45	28.500
13	28.45	28.44	28.43	28.42	28.42	28.42	28.43	28.44	28.46	28.47	28.49	28.50	28.52	28.52	28.53	28.56	28.57	28.59	28.59	28.62	28.63	28.65	28.67	28.69	28.521
14	28.70	28.72	28.73	28.74	28.75	28.76	28.78	28.81	28.82	28.84	28.87	28.89	28.90	28.91	28.92	28.92	28.93	28.95	28.97	28.99	29.02	29.02	29.04	29.07	28.877
15	29.11	29.12	29.13	29.14	29.15	29.16	29.17	29.18	29.19	29.19	29.18	29.18	29.17	29.16	29.15	29.12	29.11	29.08	29.06	29.03	28.98	28.94	28.90	28.87	29.103
16	28.84	28.80	28.77	28.73	28.69	28.65	28.61	28.59	28.56	28.53	28.50	28.47	28.46	28.44	28.41	28.38	28.37	28.36	28.34	28.32	28.31	28.31	28.31	28.31	28.502
17	28.32	28.33	28.33	28.35	28.37	28.39	28.42	28.45	28.46	28.49	28.52	28.53	28.55	28.57	28.57	28.58	28.60	28.60	28.61	28.61	28.62	28.63	28.64	28.65	28.508
18	28.66	28.66	28.67	28.68	28.68	28.70	28.72	28.75	28.77	28.78	28.79	28.79	28.81	28.84	28.84	28.85	28.85	28.86	28.84	28.85	28.85	28.84	28.85	28.85	28.782
19	28.84	28.83	28.80	28.79	28.78	28.76	28.74	28.74	28.72	28.70	28.69	28.66	28.63	28.59	28.56	28.54	28.52	28.50	28.48	28.46	28.45	28.43	28.42	28.40	28.626
20	28.39	28.38	28.38	28.36	28.36	28.36	28.35	28.35	28.36	28.35	28.34	28.34	28.34	28.36	28.37	28.38	28.39	28.39	28.40	28.41	28.42	28.43	28.44	28.45	28.379
21	28.46	28.46	28.46	28.46	28.48	28.48	28.51	28.54	28.56	28.57	28.58	28.62	28.63	28.66	28.67	28.68	28.69	28.72	28.73	28.75	28.76	28.78	28.79	28.80	28.618
22	28.81	28.81	28.82	28.82	28.83	28.83	28.84	28.86	28.87	28.88	28.88	28.88	28.88	28.88	28.87	28.87	28.86	28.86	28.85	28.85	28.85	28.84	28.85	28.84	28.851
23	28.83	28.82	28.80	28.79	28.77	28.76	28.76	28.76	28.74	28.73	28.72	28.72	28.71	28.70	28.70	28.69	28.68	28.69	28.69	28.70	28.70	28.71	28.70	28.70	28.732
24	28.70	28.70	28.69	28.69	28.69	28.69	28.70	28.72	28.73	28.74	28.74	28.74	28.75	28.75	28.76	28.77	28.77	28.77	28.76	28.77	28.78	28.79	28.78	28.77	28.740
25	28.75	28.74	28.73	28.72	28.70	28.71	28.71	28.72	28.73	28.69	28.67	28.65	28.64	28.63	28.62	28.60	28.57	28.57	28.55	28.53	28.52	28.52	28.51	28.48	28.636
26	28.44	28.41	28.40	28.37	28.36	28.35	28.35	28.36	28.36	28.36	28.35	28.34	28.32	28.31	28.30	28.29	28.27	28.24	28.21	28.20	28.18	28.15	28.14	28.10	28.298
27	28.08	28.03	28.01	27.99	27.96	27.95	27.95	27.93	27.95	27.95	27.99	28.03	28.05	28.08	28.10	28.13	28.15	28.19	28.21	28.24	28.28	28.32	28.35	28.38	28.096
28	28.42	28.47	28.53	28.58	28.62	28.67	28.72	28.77	28.82	28.86	28.90	28.92	28.96	28.97	29.00	29.03	29.05	29.07	29.09	29.10	29.12	29.13	29.13	29.14	28.878
29	29.15	29.15	29.15	29.16	29.16	29.16	29.17	29.17	29.18	29.19	29.19	29.19	29.20	29.20	29.21	29.22	29.21	29.21	29.22	29.20	29.20	29.20	29.19	29.18	29.186
30	29.18	29.16	29.14	29.13	29.10	29.08	29.08	29.08	29.08	29.07	29.06	29.06	29.03	29.02	29.03	29.02	28.99	28.98	28.98	28.98	28.97	28.95	28.93	28.93	29.043
31	28.89	28.87	28.86	28.84	28.81	28.81	28.82	28.82	28.82	28.82	28.81	28.79	28.79	28.79	28.79	28.79	28.77	28.77	28.77	28.76	28.77	28.76	28.75	28.73	28.800
Mean	28.703	28.700	28.698	8.694	28.691	28.692	28.696	28.704	28.708	28.709	28.709	28.709	28.708	28.707	28.705	28.704	28.702	28.703	28.703	28.704	28.706	28.706	28.710	28.711	28.703

TABLE 28.—*Pressure—hourly values, Little America*—Continued

SEPTEMBER 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.70	28.68	28.68	28.67	28.67	28.65	28.64	28.65	28.65	28.65	28.64	28.64	28.62	28.61	28.58	28.57	28.55	28.55	28.55	28.56	28.56	28.54	28.54	28.53	28.612
2	28.52	28.50	28.49	28.45	28.44	28.41	28.40	28.41	28.42	28.42	28.41	28.40	28.39	28.38	28.36	28.34	28.34	28.32	28.29	28.24	28.21	28.16	28.11	28.06	28.353
3	28.05	28.03	28.06	28.06	28.06	28.06	28.05	28.02	28.01	28.01	28.01	28.02	28.03	28.04	28.03	28.03	28.02	28.00	27.98	27.97	27.96	27.95	27.93	27.94	28.013
4	27.96	27.97	27.97	27.98	27.99	28.02	28.06	28.10	28.17	28.19	28.20	28.22	28.25	28.26	28.27	28.28	28.29	28.30	28.34	28.34	28.34	28.38	28.39	28.41	28.195
5	28.42	28.45	28.48	28.48	28.53	28.54	28.57	28.59	28.60	28.63	28.64	28.65	28.67	28.68	28.70	28.72	28.73	28.76	28.78	28.80	28.81	28.83	28.85	28.88	28.658
6	28.89	28.90	28.91	28.92	28.93	28.95	28.97	28.98	29.00	29.00	29.01	29.02	29.02	29.02	29.02	29.01	29.01	29.01	82.98	28.96	28.96	28.95	28.95	28.95	28.972
7	28.94	28.94	28.93	28.93	28.92	28.92	28.93	28.94	28.94	28.94	28.96	28.97	28.96	28.95	28.94	28.94	28.93	28.93	28.92	28.92	28.90	28.90	28.88	28.87	28.929
8	28.84	28.83	28.79	28.78	28.78	28.78	28.82	28.82	28.84	28.84	28.85	28.85	28.87	28.89	28.89	28.90	28.91	28.92	28.93	28.93	28.94	28.94	28.96	28.96	28.869
9	28.95	28.93	28.92	28.89	28.87	28.85	28.82	28.79	28.79	28.77	28.74	28.69	28.65	28.62	28.59	28.56	28.55	28.53	28.51	28.50	28.51	28.51	28.55	28.57	28.694
10	28.59	28.63	28.66	28.70	28.71	28.71	28.75	28.82	28.87	28.90	28.93	28.96	28.99	29.03	29.06	29.08	29.09	29.11	29.13	29.15	29.16	29.19	29.19	29.20	28.942
11	29.20	29.20	29.19	29.18	29.18	29.17	29.18	29.18	29.19	29.19	29.19	29.18	29.17	29.16	29.16	29.14	29.14	29.13	29.13	29.12	29.12	29.11	29.12	29.12	29.160
12	29.12	29.09	29.08	29.07	29.07	29.07	29.09	29.11	29.12	29.11	29.10	29.10	29.10	29.09	29.08	29.08	29.08	29.07	29.06	29.05	29.03	29.02	29.00	28.98	29.074
13	28.95	28.92	28.88	28.85	28.83	28.80	28.80	28.80	28.79	28.78	28.76	28.73	28.71	28.70	28.69	28.69	28.68	28.67	28.65	28.64	28.64	28.64	28.62	28.61	28.743
14	28.58	28.57	28.55	28.52	28.50	28.52	28.53	28.53	28.53	28.53	28.53	28.53	28.54	28.54	28.54	28.55	28.56	28.58	28.59	28.60	28.60	28.63	28.64	28.65	28.560
15	28.65	28.66	28.66	28.67	28.69	28.72	28.74	28.75	28.79	28.81	28.82	28.84	28.85	28.86	28.88	28.92	28.95	28.97	28.99	29.01	29.04	29.06	29.08	29.09	28.854
16	29.11	29.12	29.12	29.15	29.16	29.17	29.18	29.19	29.19	29.19	29.19	29.20	29.19	29.19	29.18	29.16	29.13	29.10	29.08	29.04	29.01	28.99	28.95	28.91	29.121
17	28.87	28.85	28.80	28.76	28.72	28.69	28.69	28.68	28.67	28.67	28.66	28.67	28.67	28.67	28.67	28.68	28.70	28.71	28.73	28.74	28.75	28.77	28.78	28.79	28.725
18	28.79	28.79	28.78	28.78	28.78	28.80	28.82	28.84	28.84	28.84	28.84	28.85	28.84	28.84	28.84	28.83	28.84	28.84	28.84	28.83	28.84	28.84	28.83	28.82	28.824
19	28.82	28.82	28.81	28.81	28.80	28.78	28.79	28.80	28.80	28.82	28.83	28.84	28.84	28.84	28.85	28.84	28.85	28.85	28.85	28.83	28.81	28.80	28.79	28.76	28.818
20	28.74	28.72	28.71	28.69	28.68	28.69	28.70	28.70	28.71	28.71	28.72	28.72	28.72	28.72	28.72	28.72	28.75	28.75	28.76	28.78	28.79	28.81	28.83	28.84	28.737
21	28.85	28.86	28.88	28.90	28.92	28.95	28.98	28.99	29.02	29.05	29.08	29.10	29.13	29.16	29.19	29.23	29.26	29.30	29.34	29.36	29.38	29.40	29.43	29.44	29.133
22	29.46	29.48	29.49	29.51	29.53	29.54	29.55	29.56	29.56	29.57	29.57	29.56	29.56	29.55	29.54	29.54	29.52	29.49	29.46	29.45	29.42	29.39	29.36	29.33	29.500
23	29.28	29.26	29.21	29.18	29.13	29.09	29.04	29.01	28.99	28.96	28.94	28.90	28.87	28.83	28.78	28.77	28.74	28.72	28.70	28.68	28.67	28.64	28.63	28.62	28.902
24	28.61	28.61	28.61	28.61	28.63	28.64	28.67	28.70	28.72	28.75	28.77	28.80	28.83	28.84	28.86	28.88	28.90	28.92	28.94	28.97	28.99	28.99	28.99	28.99	28.801
25	28.99	28.98	28.98	28.97	28.94	28.93	28.92	28.92	28.91	28.90	28.89	28.88	28.87	28.86	28.84	28.83	28.81	28.80	28.80	28.79	28.78	28.77	28.75	28.75	28.869
26	28.74	28.74	28.74	28.72	28.72	28.71	28.71	28.71	28.69	28.70	28.72	28.72	28.73	28.74	28.75	28.76	28.78	28.80	28.81	28.84	28.86	28.87	28.87	28.88	28.763
27	28.90	28.92	28.94	28.94	28.94	28.95	28.96	28.96	28.97	28.97	28.99	29.01	29.06	29.06	29.08	29.08	29.08	29.09	29.09	29.10	29.09	29.08	29.05	29.04	29.015
28	29.02	29.02	29.01	29.01	29.01	29.00	28.99	28.98	28.96	28.96	28.95	28.94	28.94	28.95	28.95	28.96	28.97	28.99	29.00	29.02	29.03	29.05	29.06	29.05	28.992
29	29.07	29.05	29.06	29.03	29.01	28.99	28.99	29.01	29.04	29.05	29.05	29.05	29.05	29.06	29.06	29.07	29.09	29.09	29.10	29.10	29.11	29.11	29.11	29.11	29.061
30	29.10	29.09	29.07	29.05	29.04	29.03	29.03	29.02	29.01	29.00	29.01	28.98	28.96	28.94	28.94	28.91	28.89	28.87	28.86	28.85	28.86	28.89	28.90	28.91	28.967
Mean	28.824	28.820	28.815	28.809	28.806	28.804	28.812	28.819	28.826	28.830	28.833	28.834	28.836	28.836	28.835	28.836	28.838	28.839	28.839	28.839	28.839	28.840	28.838	28.835	28.829

OCTOBER 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.91	28.92	28.93	28.93	28.93	28.94	28.97	28.98	29.01	29.03	29.06	29.07	29.08	29.08	29.09	29.10	29.10	29.11	29.11	29.11	29.12	29.12	29.12	29.11	29.039
2	29.11	29.10	29.09	29.09	29.08	29.07	29.07	29.08	29.08	29.08	29.08	29.07	29.07	29.07	29.07	29.06	29.06	29.06	29.06	29.06	29.06	29.05	29.04	29.04	29.071
3	29.02	29.01	29.00	28.98	28.96	28.96	28.95	28.94	28.93	28.91	28.89	28.88	28.87	28.86	28.85	28.84	28.83	28.82	28.80	28.80	28.78	28.76	28.74	28.71	28.879
4	28.69	28.67	28.65	28.63	28.61	28.59	28.58	28.56	28.55	28.52	28.50	28.49	28.45	28.43	28.41	28.39	28.38	28.38	28.37	28.35	28.34	28.34	28.33	28.31	28.480
5	28.31	28.31	28.30	29.30	28.29	28.28	28.27	28.25	28.23	28.23	28.21	28.18	28.13	28.09	28.04	27.96	27.91	27.87	27.83	27.80	27.76	27.71	27.68	27.68	28.067
6	27.68	27.69	27.72	27.74	27.80	27.86	27.92	27.98	28.03	28.09	28.13	28.19	28.24	28.29	28.34	28.38	28.42	28.46	28.51	28.54	28.57	28.61	28.64	28.67	28.187
7	28.68	28.70	28.72	28.73	28.75	28.76	28.77	28.78	28.79	28.80	28.80	28.81	28.82	28.82	28.84	28.87	28.87	28.87	28.88	28.89	28.89	28.87	28.85	28.82	28.807
8	28.79	28.77	28.74	28.70	28.65	28.60	28.55	28.49	28.47	28.45	28.43	28.44	28.46	28.46	28.46	28.46	28.47	28.47	28.46	28.45	28.45	28.45	28.45	28.47	28.525
9	28.47	28.48	28.50	28.51	28.52	28.53	28.55	28.58	28.59	28.59	28.61	28.61	28.62	28.62	28.62	28.63	28.64	28.64	28.66	28.67	28.69	28.70	28.71	28.72	28.602
10	28.74	28.75	28.75	28.76	28.76	28.78	28.80	28.81	28.81	28.81	28.81	28.82	28.82	28.82	28.82	28.81	28.81	28.80	28.80	28.79	28.78	28.76	28.76	28.75	28.788
11	28.75	28.73	28.72	28.70	28.69	28.67	28.65	28.63	28.62	28.61	28.60	28.59	28.58	28.58	28.57	28.57	28.57	28.57	28.57	28.57	28.56	28.56	28.56	28.56	28.616
12	28.56	28.56	28.56	28.56	28.56	28.55	28.55	28.55	28.54	28.54	28.54	28.54	28.54	28.53	28.52	28.51	28.51	28.51	28.50	28.50	28.50	28.49	28.48	28.46	28.527
13	28.45	28.45	28.44	28.43	28.42	28.41	28.40	28.40	28.39	28.39	28.38	28.37	28.37	28.36	28.36	28.38	28.38	28.39	28.40	28.41	28.41	28.42	28.43	28.44	28.403
14	28.45	28.45	28.46	28.47	28.48	28.48	28.49	28.49	28.49	29.48	29.48	28.47	28.46	28.45	28.44	28.44	28.44	28.44	28.44	28.43	28.43	28.43	28.42	28.42	28.455
15	28.42	28.42	28.42	28.42	28.42	28.43	28.43	28.43	28.43	28.43	28.44	28.45	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.47	28.48	28.49	28.50	28.448
16	28.50	28.50	28.51	28.51	28.51	28.51	28.51	28.52	28.53	28.54	28.55	28.56	28.56	28.57	28.58	28.58	28.58	28.58	28.58	28.58	28.59	28.59	28.60	28.60	28.552
17	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.61	28.61	28.61	28.61	28.61	28.60	28.60	28.60	28.60	28.60	28.59	28.59	28.60	28.60	28.60	28.61	28.602
18	28.61	28.61	28.62	28.62	28.62	28.63	28.65	28.65	28.66	28.67	28.68	28.68	28.68	28.69	28.70	28.72	28.73	28.75	28.78	28.80	28.81	28.82	28.83	28.85	28.702
91	28.86	28.87	28.87	28.88	28.88	28.89	28.90	28.92	28.92	28.93	28.94	28.94	28.94	28.93	28.93	28.93	28.93	28.93	28.92	28.91	28.90	28.88	28.87	28.85	28.905
20	28.82	28.80	28.75	28.74	28.70	28.71	28.68	28.66	28.63	28.60	28.58	28.56	28.54	28.52	28.49	28.47	28.45	28.43	28.42	28.39	28.38	28.36	28.34	28.31	28.555
21	28.29	28.27	28.24	28.22	28.19	28.18	28.18	28.18	28.18	28.19	28.21	28.20	28.20	28.21	28.22	28.24	28.25	28.27	28.31	28.32	28.33	28.35	28.37	28.38	28.249
22	28.38	28.41	28.44	28.46	28.48	28.49	28.51	28.55	28.57	28.60	28.66	28.68	28.73	28.77	28.79	28.82	28.84	28.87	28.89	28.90	28.90	28.90	28.91	28.92	28.686
23	28.93	28.93	28.91	28.91	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.89	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.87	28.87	28.88	28.86	28.891
24	28.86	28.85	28.84	28.83	28.81	28.80	28.79	28.77	28.77	28.75	28.73	28.72	28.71	28.69	28.68	28.67	28.66	28.65	28.64	28.63	28.62	28.62	28.62	28.62	28.722
25	28.62	28.62	28.61	28.61	28.62	28.62	28.62	28.62	28.63	28.63	28.64	28.65	28.66	28.66	28.66	28.66	28.67	28.67	28.68	28.67	28.68	28.68	28.69	28.69	28.648
26	28.69	28.69	28.68	28.69	28.69	28.70	28.72	28.75	28.76	28.77	28.77	28.78	28.78	28.79	28.80	28.81	28.81	28.81	28.81	28.82	28.82	28.83	28.85	28.88	28.771
27	28.89	28.91	28.91	28.92	28.94	28.98	29.02	29.02	29.05	29.09	29.11	29.14	29.17	29.20	29.22	29.24	29.25	29.26	29.27	29.28	29.27	29.29	29.31	29.29	29.126
28	29.26	29.25	29.23	29.21	29.17	29.13	29.10	29.07	29.04	29.01	28.97	28.94	28.89	28.83	28.77	28.74	28.70	28.67	28.64	28.59	28.57	28.56	28.55	28.56	28.894
29	28.56	28.57	28.59	28.59	28.60	28.60	28.63	28.64	28.66	28.67	28.70	28.70	28.71	28.72	28.73	28.76	28.77	28.78	28.78	28.78	28.79	28.79	28.80	28.82	28.697
30	28.82	28.83	28.83	28.84	28.84	28.84	28.84	28.83	28.84	28.84	28.83	28.83	28.82	28.81	28.80	28.79	28.78	28.77	28.76	28.76	28.75	28.72	28.72	28.71	28.800
31	28.70	28.67	28.65	28.64	28.62	28.61	28.58	28.57	28.55	28.55	28.55	28.55	28.55	28.53	28.53	28.53	28.53	28.52	28.52	28.52	28.52	28.52	28.53	28.54	28.566
Mean	28.659	28.658	28.654	28.652	28.648	28.648	28.651	28.652	28.654	28.655	28.658	28.658	28.658	28.655	28.654	28.655	28.654	28.655	28.655	28.653	28.652	28.649	28.651	28.650	28.654

TABLE 28.—*Pressure—hourly values, Little America*—Continued

NOVEMBER 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.53	28.54	28.54	28.54	28.54	28.54	28.54	28.55	28.55	28.54	28.56	28.56	28.55	28.55	28.55	28.55	28.56	28.56	28.56	28.58	28.58	28.58	28.59	28.60	28.556
2	28.61	28.61	28.61	28.62	28.62	28.63	28.64	28.67	28.68	28.69	28.70	28.72	28.72	28.73	28.74	28.75	28.75	28.76	28.77	28.77	28.77	28.77	28.78	28.79	28.704
3	28.80	28.81	28.81	28.81	28.81	28.82	28.82	28.84	28.84	28.84	28.85	28.86	28.86	28.86	28.87	28.87	28.87	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.850
4	28.88	28.88	28.88	28.88	28.87	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.85	28.84	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.850
5	28.83	28.83	28.82	28.82	28.82	28.82	28.82	28.82	28.83	28.83	28.83	28.83	28.83	28.84	28.84	28.84	28.84	28.85	28.86	28.86	28.86	28.86	28.87	28.88	28.839
6	28.89	28.89	28.90	28.90	28.90	28.90	28.90	28.91	28.92	28.92	28.92	28.91	28.90	28.90	28.91	28.91	28.92	28.92	28.92	28.92	28.93	28.94	28.95	28.94	28.913
7	28.93	28.91	28.90	28.89	28.88	28.87	28.87	28.88	28.88	28.87	28.86	28.85	28.83	28.82	28.81	28.80	28.79	28.78	28.77	28.76	28.76	28.75	28.75	28.74	28.831
8	28.73	28.72	28.71	28.70	28.70	28.70	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.70	28.71	28.73	28.75	28.76	28.77	28.78	28.80	28.84	28.729
9	28.86	28.88	28.90	28.91	28.93	28.94	28.98	28.99	29.00	29.01	29.02	29.02	29.03	29.03	29.03	29.04	29.05	29.05	29.06	29.06	29.06	29.06	29.06	29.06	29.001
10	29.05	29.04	29.02	29.01	29.00	28.98	28.97	28.97	28.97	28.97	28.96	28.96	28.95	28.94	28.93	28.93	28.91	28.89	28.87	28.86	28.84	28.82	28.79	28.78	28.934
11	28.74	28.71	28.68	28.65	28.62	28.60	28.58	28.57	28.56	28.55	28.55	28.54	28.54	28.53	28.53	28.52	28.51	28.51	28.50	28.48	28.46	28.46	28.46	28.46	28.555
12	28.46	28.46	28.45	28.44	28.43	28.41	28.39	28.38	28.38	28.36	28.34	28.33	28.31	28.30	28.29	28.28	28.26	28.26	28.26	28.25	28.25	28.24	28.23	28.24	28.333
13	28.24	28.23	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.23	28.23	28.24	28.25	28.26	28.28	28.29	28.30	28.31	28.31	28.33	28.36	28.40	28.260
14	28.42	28.45	28.49	28.53	28.55	28.57	28.60	28.62	28.65	28.67	28.68	28.68	28.68	28.69	28.69	28.70	28.70	28.71	28.72	28.74	28.74	28.74	28.75	28.75	28.647
15	28.75	28.75	28.74	28.73	28.72	28.71	28.71	28.71	28.70	28.70	28.70	28.68	28.67	28.66	28.64	28.63	28.61	28.59	28.58	28.58	28.58	28.58	28.57	28.56	28.660
16	28.55	28.53	28.50	28.49	28.47	28.45	28.44	28.44	28.43	28.42	28.41	28.41	28.41	28.40	28.39	28.38	28.37	28.37	28.36	28.36	28.36	28.36	28.36	28.37	28.418
17	28.37	28.38	28.39	28.39	28.40	28.41	28.42	28.44	28.45	28.45	28.46	28.48	28.49	28.49	28.50	28.51	28.52	28.54	28.55	28.56	28.58	28.59	28.60	28.61	28.482
18	28.62	28.63	28.64	28.65	28.66	28.66	28.66	28.64	28.64	28.63	28.61	28.60	28.59	28.57	28.56	28.55	28.54	28.53	28.53	28.52	28.51	28.51	28.51	28.51	28.586
19	28.51	28.52	28.53	28.52	28.53	28.53	28.53	28.53	28.55	28.55	28.55	28.55	28.55	28.54	28.53	28.53	28.53	28.53	28.54	28.55	28.56	28.56	28.57	28.60	28.541
20	28.62	28.63	28.64	28.68	28.70	28.72	28.76	28.77	28.81	28.82	28.84	28.85	28.87	28.88	28.90	28.91	28.93	28.95	28.96	28.97	28.99	29.00	29.01	29.01	28.842
21	29.01	29.01	29.01	29.02	29.01	29.01	29.01	29.02	29.02	29.01	29.01	29.00	28.99	28.98	28.97	28.96	28.95	28.95	28.95	28.94	28.93	28.92	28.91	28.91	28.979
22	28.90	28.88	28.86	28.85	28.84	28.82	28.82	28.82	28.82	28.81	28.79	28.78	28.76	28.76	28.75	28.74	28.74	28.72	28.72	28.72	28.72	28.72	28.73	28.74	28.784
23	28.74	28.74	28.75	28.75	28.76	28.77	28.78	28.78	28.78	28.79	28.79	28.78	28.78	28.78	28.78	28.78	28.77	28.76	28.75	28.73	28.71	28.70	28.69	28.68	28.755
24	28.65	28.64	28.63	28.62	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.58	28.57	28.57	28.56	28.56	28.56	28.56	28.56	28.56	28.56	28.56	28.56	28.581
25	28.56	28.56	28.56	28.56	28.57	28.58	28.59	28.62	28.64	28.67	28.70	28.73	28.76	28.77	28.78	28.79	28.81	28.83	28.84	28.84	28.87	28.87	28.87	28.89	28.719
26	28.91	28.92	28.93	28.94	28.95	28.96	28.96	28.98	28.99	28.99	28.99	29.00	29.00	29.00	28.99	28.99	28.99	28.99	28.99	29.01	29.01	29.02	29.02	29.02	28.981
27	29.02	29.02	29.03	29.05	29.06	29.07	29.07	29.07	29.08	29.08	29.07	29.07	29.07	29.06	29.04	29.04	29.03	29.03	29.02	29.01	29.00	28.99	28.99	28.98	29.040
28	28.97	28.97	28.97	28.97	28.94	28.94	28.92	28.92	28.92	28.92	28.91	28.90	28.90	28.90	28.90	28.90	28.90	28.91	28.91	28.90	28.90	28.90	28.91	28.91	28.920
29	28.92	28.93	28.93	28.93	28.94	28.95	28.95	28.95	28.96	28.96	28.96	28.96	28.95	28.94	28.94	28.93	28.93	28.92	28.92	28.91	28.91	28.90	28.90	28.89	28.932
30	28.88	28.88	28.87	28.86	28.85	28.85	28.85	28.86	28.86	28.85	28.84	28.84	28.83	28.84	28.83	28.83	28.82	28.82	28.83	28.82	28.82	28.82	28.82	28.82	28.841
Mean	28.732	28.732	28.730	28.731	28.729	28.729	28.732	28.737	28.743	28.742	28.742	28.742	28.740	28.737	28.735	28.734	28.733	28.734	28.735	28.735	28.735	28.735	28.737	28.742	28.736

DECEMBER 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.82	28.83	28.83	28.83	28.84	28.85	28.86	28.86	28.88	28.89	28.90	28.91	28.91	28.91	28.92	28.93	28.94	28.96	28.98	29.00	29.01	29.03	29.04	29.05	28.916
2	29.05	29.06	29.06	29.06	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.06	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.059
3	29.04	29.04	29.04	29.04	29.04	29.04	29.03	29.03	29.03	29.02	29.02	29.01	29.00	28.99	28.99	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.97	29.007
4	28.96	28.96	28.95	28.95	28.95	28.96	28.96	28.97	28.97	28.98	28.98	28.99	28.98	28.98	28.98	28.98	28.98	28.99	28.99	29.00	29.01	29.01	29.03	29.04	28.981
5	29.05	29.06	29.07	29.07	29.08	29.09	29.10	29.11	29.12	29.14	29.14	29.15	29.16	29.17	29.17	29.18	29.19	29.20	29.21	29.21	29.22	29.23	29.24	29.25	29.150
6	29.25	29.25	29.25	29.26	29.27	29.27	29.28	29.29	29.30	29.30	29.31	29.31	29.32	29.32	29.33	29.33	29.33	29.34	29.35	29.35	29.35	29.36	29.37	29.37	29.311
7	29.38	29.38	29.38	29.38	29.39	29.39	29.40	29.40	29.40	29.40	29.39	29.38	29.38	29.38	29.38	29.37	29.37	29.36	29.35	29.34	29.34	29.34	29.34	29.34	29.373
8	29.33	29.32	29.31	29.30	29.29	29.29	29.28	29.28	29.27	29.26	29.25	29.24	29.22	29.20	29.19	29.18	29.17	29.16	29.15	29.15	29.14	29.13	29.13	29.13	29.224
9	29.13	29.13	29.13	29.12	29.11	29.11	29.10	29.10	29.10	29.11	29.11	29.12	29.11	29.11	29.11	29.11	29.11	29.12	29.12	29.13	29.13	29.13	29.13	29.13	29.117
10	29.13	29.13	29.13	29.13	29.13	29.13	29.14	29.15	29.15	29.16	29.16	29.16	29.17	29.17	29.16	29.16	29.17	29.17	29.17	29.18	29.19	29.19	29.19	29.19	29.159
11	29.20	29.20	29.19	29.19	29.19	29.19	29.20	29.20	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.22	29.23	29.24	29.25	29.210
12	29.26	29.26	29.26	29.26	29.27	29.27	29.27	29.27	29.28	29.28	29.28	29.28	29.27	29.26	29.26	29.27	29.27	29.28	29.29	29.29	29.29	29.30	29.31	29.32	29.277
13	29.32	29.33	29.33	29.33	29.33	29.33	29.33	29.34	29.36	29.36	29.36	29.36	29.36	29.35	29.35	29.34	29.34	29.34	29.35	29.35	29.35	29.35	29.35	29.36	29.345
14	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.35	29.35	29.34	29.33	29.32	29.32	29.31	29.31	29.31	29.31	29.30	29.29	29.29	29.29	29.29	29.331
15	29.29	29.28	29.27	29.27	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.25	29.24	29.25	29.25	29.26	29.26	29.27	29.27	29.28	29.29	29.29	29.30	29.267
16	29.31	29.32	29.33	29.33	29.35	29.36	29.37	29.38	29.38	29.38	29.39	29.39	29.40	29.40	29.40	29.40	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.42	29.382
17	29.41	29.41	29.41	29.41	29.41	29.40	29.40	29.40	29.40	29.39	29.39	29.38	29.37	29.36	29.35	29.35	29.34	29.33	29.32	29.32	29.30	29.29	29.29	29.29	29.363
18	29.28	29.26	29.24	29.23	29.22	29.22	29.21	29.22	29.22	29.21	29.21	29.20	29.20	29.20	29.19	29.19	29.19	29.20	29.20	29.21	29.22	29.22	29.22	29.22	29.216
19	29.22	29.22	29.23	29.23	29.23	29.23	29.23	29.24	29.25	29.24	29.24	29.24	29.24	29.24	29.23	29.23	29.22	29.22	29.21	29.21	29.20	29.19	29.18	29.18	29.223
20	29.17	29.17	29.17	29.17	29.18	29.19	29.21	29.22	29.21	29.24	29.24	29.25	29.25	29.26	29.26	29.26	29.25	29.25	29.24	29.24	29.23	29.23	29.23	29.23	29.223
21	29.23	29.22	29.22	29.21	29.19	29.18	29.16	29.14	29.13	29.12	29.11	29.09	29.08	29.06	29.04	29.02	29.01	28.99	28.97	28.95	28.94	28.93	28.91	28.89	29.075
22	28.88	28.86	28.84	28.83	28.83	28.81	28.80	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.80	28.81	28.82	28.83	28.84	28.86	28.87	28.89	28.92	28.825
23	28.94	28.97	29.01	29.04	29.08	29.11	29.14	29.18	29.22	29.24	29.28	29.31	29.33	29.34	29.35	29.36	29.35	29.34	29.33	29.33	29.31	29.29	29.26	29.24	29.223
24	29.19	29.15	29.12	29.09	29.08	29.03	29.02	28.99	28.99	28.99	28.98	28.96	28.95	28.96	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.93	28.93	28.91	28.994
25	28.90	28.89	28.88	28.88	28.84	28.83	28.81	28.80	28.79	28.79	28.78	28.77	28.76	28.74	28.74	28.73	28.73	28.73	28.73	28.73	28.74	28.74	28.74	28.74	28.784
26	28.75	28.76	28.76	28.77	28.77	28.78	28.78	28.80	28.82	28.83	28.84	28.84	28.85	28.85	28.86	28.86	28.88	28.89	28.90	28.90	28.91	28.91	28.91	28.92	28.839
27	28.92	28.92	28.92	28.90	28.89	28.87	28.86	28.85	28.85	28.85	28.84	28.84	28.83	28.82	28.81	28.81	28.81	28.81	28.82	28.82	28.82	28.83	28.83	28.83	28.848
28	28.83	28.84	28.84	28.86	28.87	28.88	28.88	28.89	28.89	28.90	28.92	28.93	28.94	28.95	28.96	28.96	28.97	28.98	28.98	29.00	29.01	29.01	29.01	29.02	28.930
29	29.02	29.02	29.02	29.02	29.03	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.03	29.03	29.02	29.01	29.01	29.01	29.01	29.00	29.00	29.00	29.00	29.00	29.021
30	28.99	28.98	29.00	29.00	29.01	29.03	29.04	29.06	29.08	29.09	29.09	29.09	29.09	29.09	29.08	29.09	29.09	29.09	29.09	29.08	29.07	29.05	29.04	29.03	29.056
31	29.01	28.98	28.97	28.96	28.95	28.94	28.93	28.93	28.91	28.91	28.91	28.91	28.91	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.89	28.88	28.88	28.920
Mean	29.117	29.115	29.114	29.112	29.113	29.113	29.114	29.117	29.120	29.123	29.124	29.123	29.121	29.118	29.116	29.115	29.116	29.117	29.118	29.119	29.120	29.119	29.120	29.121	29.118

TABLE 28.—*Pressure—hourly values, Little America*—Continued

JANUARY 1935

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.88	28.89	28.87	28.87	28.88	28.89	28.90	28.91	28.92	28.93	28.95	28.97	28.98	28.99	29.01	29.04	29.06	29.09	29.12	29.15	29.18	29.20	29.24	29.27	29.008
2	29.30	29.32	29.35	29.37	29.41	29.44	29.47	29.51	29.52	29.55	29.57	29.59	29.61	29.63	29.64	29.66	29.67	29.69	29.72	29.74	29.75	29.76	29.78	29.79	29.577
3	29.81	29.82	29.83	29.83	29.83	29.83	29.83	29.83	29.83	29.82	29.81	29.79	29.77	29.76	29.74	29.73	29.71	29.70	29.69	29.68	29.67	29.66	29.65	29.63	29.760
4	29.62	29.60	29.59	29.57	29.55	29.54	29.54	29.53	29.53	29.52	29.52	29.51	29.51	29.50	29.49	29.49	29.48	29.48	29.48	29.49	29.49	29.49	29.50	29.51	29.522
5	29.52	29.52	29.53	29.53	29.54	29.56	29.57	29.58	29.60	29.61	29.62	29.62	29.63	29.64	29.64	29.64	29.65	29.67	29.67	29.67	29.68	29.68	29.68	29.68	29.614
6	29.69	29.68	29.67	29.67	29.67	29.67	29.67	29.66	29.66	29.65	29.65	29.65	29.65	29.64	29.63	29.63	29.63	29.63	29.63	29.63	29.64	29.65	29.66	29.66	29.653
7	29.67	29.67	29.68	29.68	29.69	29.70	29.71	29.72	29.72	29.73	29.73	29.74	29.74	29.75	29.73	29.73	29.73	29.74	29.74	29.75	29.76	29.77	29.77	29.78	29.726
8	29.78	29.79	29.78	29.78	29.78	29.78	29.78	29.77	29.77	29.77	29.76	29.75	29.73	29.70	29.68	29.67	29.66	29.65	29.63	29.62	29.60	29.58	29.57	29.57	29.706
9	29.55	29.53	29.51	29.50	29.49	29.48	29.47	29.46	29.46	29.45	29.44	29.44	29.44	29.44	29.44	29.44	29.45	29.46	29.48	29.49	29.50	29.51	29.52	29.53	29.478
10	29.54	29.55	29.55	29.55	29.56	29.57	29.58	29.58	29.58	29.58	29.58	29.59	29.60	29.61	29.61	29.61	29.61	29.63	29.64	29.64	29.65	29.65	29.66	29.67	29.600
11	29.68	29.68	29.68	29.68	29.68	29.68	29.68	29.68	29.69	29.69	29.68	29.67	29.67	29.66	29.65	29.65	29.64	29.64	29.64	29.63	29.63	29.63	29.62	29.62	29.660
12	29.62	29.62	29.61	29.61	29.62	29.62	29.62	29.62	29.62	29.61	29.61	29.62	29.61	29.60	29.60	29.60	29.59	29.58	29.58	29.57	29.56	29.56	29.56	29.56	29.599
13	29.55	29.54	29.53	29.52	29.52	29.52	29.51	29.50	29.48	29.48	29.47	29.47	29.45	29.45	29.44	29.43	29.43	29.42	29.41	29.41	29.40	29.39	29.39	29.39	29.462
14	29.39	29.39	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.39	29.39	29.40	29.41	29.41	29.41	29.41	29.42	29.43	29.44	29.44	29.45	29.45	29.46	29.48	29.410
15	29.49	29.50	29.50	29.49	29.50	29.51	29.51	29.51	29.53	29.53	29.53	29.53	29.52	29.52	29.51	29.51	29.50	29.50	29.49	29.49	29.48	29.47	29.46	29.46	29.502
16	29.45	29.44	29.42	29.40	29.40	29.39	29.38	29.37	29.35	29.35	29.34	29.33	29.32	29.32	29.31	29.30	29.30	29.30	29.31	29.31	29.31	29.32	29.32	29.32	29.348
17	29.32	29.32	29.33	29.33	29.33	29.33	29.34	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.340
18	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.33	29.343
19	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.34	29.34	29.35	29.36	29.37	29.38	29.39	29.40	29.41	29.42	29.43	29.44	29.45	29.45	29.46	29.47	29.379
20	29.48	29.49	29.50	29.50	29.50	29.51	29.52	29.53	29.54	29.55	29.56	29.56	29.57	29.58	29.58	29.59	29.59	29.60	29.62	29.63	29.63	29.64	29.65	29.66	29.566
21	29.67	29.68	29.69	29.70	29.70	29.71	29.73	29.76	29.76	29.78	29.79	29.81	29.82	29.84	29.84	29.85	29.85	29.86	29.87	29.88	29.88	29.88	29.89	29.89	29.797
22	29.89	29.90	29.91	29.92	29.93	29.94	29.95	29.97	29.98	29.98	29.98	29.98	29.98	29.99	29.98	29.97	29.97	29.96	29.95	29.94	29.93	29.92	29.92	29.91	29.948
23	29.89	29.88	29.86	29.85	29.84	29.82	29.80	29.78	29.76	29.74	29.71	29.68	29.66	29.64	29.62	29.61	29.60	29.59	29.58	29.57	29.57	29.55	29.54	29.54	29.695
24	29.53	29.52	29.51	29.51	29.50	29.49	29.49	29.48	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.48	29.48	29.47	29.47	29.47	29.47	29.48	29.48	29.48	29.489
25	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.49	29.49	29.49	29.48	29.47	29.45	29.43	29.42	29.41	29.40	29.39	29.38	29.36	29.35	29.33	29.31	29.29	29.429
26	29.28	29.27	29.25	29.23	29.21	29.20	29.19	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.19	29.19	29.20	29.21	29.21	29.22	29.23	29.24	29.206
27	29.25	29.27	29.28	29.29	29.30	29.31	29.33	29.34	29.35	29.37	29.37	29.37	29.38	29.39	29.39	29.39	29.39	29.40	29.41	29.42	29.42	29.42	29.43	29.44	29.363
28	29.44	29.44	29.44	29.43	29.43	29.43	29.42	29.42	29.42	29.41	29.40	29.39	29.38	29.37	29.37	29.36	29.36	29.35	29.34	29.34	29.34	29.35	29.35	29.35	29.389
29	29.35	29.35	29.35	29.35	29.35	29.35	29.36	29.36	29.36	29.36	29.36	29.35	29.34	29.33	29.32	29.32	29.31	29.30	29.29	29.29	29.29	29.28	29.28	29.27	29.328
30	29.27	29.26	29.25	29.23	29.21	29.20	29.20	29.20	29.19	29.18	29.17	29.16	29.15	29.13	29.12	29.11	29.10	29.10	29.09	29.08	29.06	29.05	29.06	29.05	29.151
31	29.05	29.05	29.04	29.03	29.03	29.03	29.03	29.03	29.04	29.04	29.04	29.04	29.05	29.05	29.06	29.06	29.07	29.07	29.08	29.10	29.11	29.11	29.12	29.13	29.061
Mean	29.488	29.488	29.485	29.483	29.484	29.485	29.488	29.490	29.492	29.493	29.491	29.491	29.489	29.487	29.483	29.482	29.482	29.484	29.486	29.487	29.488	29.488	29.491	29.494	29.487

TABLE 29.—Pressure—Hourly values, Bolling Advance Base

MARCH 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
27									28.82	28.82	28.82	28.82	28.82	28.82	28.83	28.83	28.83	28.83	28.83	28.87	28.87	28.88	28.90	28.89	28.842
28	28.90	28.91	28.92	28.94	28.94	28.94	28.94	28.95	28.96	28.96	28.98	28.99	29.00	29.01	29.02	29.03	29.03	29.02	29.01	29.02	29.03	29.03	29.04	29.05	28.984
29	29.06	29.07	29.08	29.09	29.10	29.10	29.10	29.11	29.12	29.13	29.14	29.16	29.17	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.22	29.22	29.24	29.25	29.157
30	29.25	29.25	29.23	29.23	29.22	29.21	29.19	29.18	29.18	29.16	29.16	29.15	29.16	29.17	29.16	29.15	29.15	29.13	29.13	29.12	29.12	29.12	29.12	29.12	29.169
31	29.12	29.12	29.12	29.10	29.09	29.08	29.08	29.07	29.07	29.06	29.07	29.07	29.07	29.07	29.08	29.08	29.09	29.09	29.10	29.09	29.11	29.11	29.11	29.12	29.090

APRIL 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.13	29.12	29.12	29.11	29.09	29.08	29.06	29.04	29.01	29.00	28.99	28.98	28.98	28.97	28.95	28.94	28.92	28.89	28.87	28.83	28.81	28.79	28.76	28.75	28.966
2	28.74	28.69	28.63	28.60										28.68	28.68	28.69	28.69	28.68	28.67	28.67	28.68	28.68	28.64	28.62	28.669
3	28.60	28.58	28.54	28.49	28.44	28.38	38.31	28.24	28.18	28.10	28.06	28.02	27.99	27.97	27.94	27.93	27.94	27.94	27.97	27.97	27.97	27.97	28.02	28.03	28.149
4	28.05	28.05	28.05	28.04	28.04	28.04	28.05	28.09	28.10	28.12	28.17	28.20	28.23	28.24	28.25	28.29	28.31	28.35	28.40	28.45	28.50	28.55	28.60	28.65	28.242
5	28.68	28.70	27.73	28.73	28.74	28.75	28.75	28.76	28.77	28.78	28.78	28.79	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.79	28.79	28.79	28.78	27.77	28.764
6	28.76	28.75	28.75	28.73	28.72	28.71	28.70	28.71	28.70	28.69	28.71	28.71	28.73	28.74	28.75	28.74	28.74	28.75	28.77	28.80	28.80	28.80	28.78	28.78	28.742
7	28.78	27.77	28.75	28.74	28.73	28.71	28.70	28.70	28.69	28.67	28.68	28.70	28.69	28.69	28.69	28.68	28.67	28.66	28.66	28.66	28.67	28.67	28.67	28.67	28.696
8	28.67	28.66	28.66	28.64	28.65	28.66	28.66	28.66	28.66	28.68	28.69	28.70	28.71	28.72	28.73	28.72	28.72	28.73	28.74	28.76	28.78	28.79	28.80	28.81	28.708
9	28.81	28.81	28.82	28.81	28.80	28.80	28.80	28.81	28.82	28.83	28.83	28.83	28.83	28.84	28.85	28.85	28.86	28.88	28.89	28.92	28.92	28.94	28.97	28.97	28.854
10	28.96	28.94	28.94	28.94	28.93	28.93	28.92	28.92	28.92	28.90	28.89	28.90	28.90	28.91	28.91	28.89	28.89	28.88	28.88	28.88	28.87	28.87	28.87	28.86	28.904
11	28.85	28.84	28.82	28.79	28.78	28.78	28.77	28.75	28.73	28.72	28.72	28.71	28.71	28.72	28.72	28.71	28.72	28.73	28.74	28.74	28.74	28.74	28.74	28.74	28.750
12	28.73	28.72	28.71	28.71	28.70	28.70	28.70	28.69	28.68	28.67	28.69	28.71	28.70	28.70	28.70	28.70	28.70	28.72	28.74	28.75	28.76	28.76	28.78	28.78	28.717
13	28.78	28.78	28.78	28.77	28.77	28.76	28.76	28.76	28.76	28.75	28.74	28.74	28.74	28.76	28.76	28.75	28.76	28.78	28.80	28.80	28.81	28.81	28.82	28.83	28.774
14	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.81	28.79	28.80	28.81	28.82	28.82	28.82	28.82	28.80	28.81	28.81	28.81	28.81	28.82	28.82	28.82	28.815
15	28.81	28.80	28.82	28.78	28.78	28.77	28.76	28.75	28.73	28.73	28.73	28.74	28.74	28.73	28.72	28.72	28.71	28.71	28.72	28.73	28.73	28.73	28.73	28.73	28.746
16	28.72	28.70	28.69	28.67	28.67	28.66	28.65	28.65	28.65	28.65	28.65	28.66	28.68	28.69	28.70	28.70	28.70	28.70	28.74	28.74	28.74	28.75	28.77	28.78	28.696
17	28.79	28.79	28.79	28.77	28.77	28.77	28.77	28.76	28.76	28.77	28.80	28.82	28.81	28.81	28.82	28.82	28.82	28.82	28.82	28.84	28.84	28.86	28.87	28.87	28.807
18	28.86	28.86	28.84	28.84	28.84	28.83	28.82	28.81	28.80	28.78	28.79	28.80	28.81	28.81	28.81	28.82	28.82	28.82	28.82	28.83	28.84	28.85	28.85	28.85	28.825
19	28.85	28.84	28.84	28.83	28.82	28.82	28.82	28.81	28.80	28.83	28.85	28.86	28.87	28.88	28.89	28.90	28.90	28.91	28.92	28.93	28.95	28.97	28.99	29.00	28.878
20	29.01	28.99	28.98	28.98	28.99	28.99	28.97	28.95	28.95	29.00	29.07	29.09	29.10	29.09	29.08	29.08	29.08	29.09	29.10	29.10	29.10	29.11	29.11	29.12	29.047
21	29.10	29.08	29.08	29.06	29.03	29.03	29.01	28.99	28.98	28.94	28.94	28.94	28.94	28.93	29.83	28.91	28.91	28.90	28.90	28.90	28.91	28.91	28.91	28.90	28.964
22	28.90	28.88	28.87	28.84	28.82	28.81	28.80	28.79	28.77	28.77	28.78	28.78	28.78	28.77	28.76	28.75	28.73	28.73	28.74	28.76	28.78	28.79	28.80	28.80	28.792
23	28.81	28.81	28.80	28.79	28.76	28.74	28.73	28.72	28.70	28.68	28.66	28.64	28.62	28.59	28.57	28.55	28.53	28.52	28.52	28.52	28.51	28.50	28.51	28.51	28.637
24	28.49	28.49	28.48	28.48	28.47	28.47	28.46	28.45	28.43	28.43	28.45	29.46	29.46	28.46	28.46	28.45	28.45	28.44	28.44	28.45	28.48	28.49	28.50	28.51	28.465
25	28.51	28.51	28.51	28.51	28.51	28.51	28.52	28.52	28.52	28.53	28.53	28.57	28.60	28.62	28.65	28.64	28.66	28.66	28.66	28.68	28.71	28.72	28.73	28.74	28.597
26	28.73	28.71	28.70	28.68	28.68	28.68	28.68	28.66	28.66	28.66	28.70	28.70	28.71	28.70	28.70	28.68	28.66	28.65	28.66	28.65	28.66	28.67	28.67	28.67	28.680
27	28.67	28.67	28.64	28.63	28.61	28.59	28.57	28.56	28.54	28.52	28.50	28.49	28.50	28.50	28.49	28.48	28.47	28.46	28.46	28.47	28.48	28.49	29.50	28.50	28.533
28	28.50	28.49	28.49	28.49	28.50	28.50	28.51	28.51	28.52	28.52	28.54	28.56	28.56	28.59	28.62	28.63	28.64	28.66	28.68	28.71	28.74	28.80	28.84	28.87	28.603
29	28.90	28.90	28.91	28.91	28.92	28.92	28.93	28.93	28.93	28.95	28.95	28.98	28.98	29.00	28.98	28.97	28.95	28.94	28.94	28.97	28.96	28.96	28.96	28.96	28.946
30	28.95	28.95	28.89	28.89	28.88	28.86	28.84	28.82	28.81	28.80	28.77	28.77	28.77	28.76	28.76	28.76	28.75	28.74	28.73	28.73	28.73	28.73	28.73	28.73	28.798
Mean	28.765	28.757	28.750	28.737	28.729	28.727	28.719	28.711	28.703	28.699	28.706	28.712	28.715	28.716	28.716	28.712	28.709	28.711	28.719	28.728	28.736	28.744	28.751	28.754	28.726

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TABLE 29.—*Pressure—Hourly values, Bolling Advance Base*—Continued

MAY 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.73	28.71	28.69	28.66	28.64	28.61	28.57	28.54	28.52	28.50	28.50	28.50	28.51	28.51	28.49	28.48	28.47	28.46	28.46	28.46	28.46	28.46	28.46	28.47	28.536
2	28.47	28.46	28.45	28.44	28.43	28.42	28.41	28.41	28.40	28.39	28.39	28.41	28.42	28.44	28.47	28.49	28.50	28.51	28.52	28.56	28.58	28.60	28.63	28.65	28.477
3	28.67	28.67	28.67	28.67	28.67	28.68	28.69	28.70	28.73	28.76	28.81	28.85	28.89	28.91	28.94	28.95	28.97	28.97	29.02	29.05	29.07	29.09	29.12	29.14	28.862
4	29.15	29.18	29.17	29.19	29.17	29.17	29.16	29.16	29.15	29.13	29.13	29.14	29.16	29.18	29.18	29.19	29.18	29.17	29.19	29.20	29.20	29.21	29.22	29.24	29.176
5	29.26	29.25	29.25	29.24	29.23	29.23	29.23	29.22	29.21	29.21	29.23	29.25	29.26	29.27	29.27	29.27	29.27	29.27	29.29	29.29	29.29	29.31	29.30	29.31	29.259
6	29.29	29.27	29.26	29.24	29.23	29.22	29.22	29.20	29.19	29.20	29.20	29.21	29.20	29.20	29.18	29.17	29.15	29.12	29.11	29.11	29.11	29.11	29.12	29.12	29.185
7	29.12	29.11	29.10	29.07	29.06	29.05	29.03	29.01	29.00	28.98	28.95	28.93	28.90	28.90	28.91	28.93	28.93	28.91	28.89	28.88	28.88	28.88	28.88	28.89	28.966
8	28.87	28.87	28.86	28.85	28.85	28.85	28.84	28.84	28.82	28.82	28.80	28.77	28.77	28.76	28.76	28.77	28.76	28.76	28.76	28.76	28.77	28.76	28.76	28.75	28.799
9	28.75	28.74	28.73	28.72	28.72	28.70	28.69	28.68	28.68	28.66	28.65	28.65	28.65	28.63	28.62	28.62	28.61	28.60	28.60	28.60	28.62	28.62	28.63	28.63	28.658
10	28.63	28.62	28.60	28.60	28.60	28.61	28.61	28.61	28.63	28.62	28.65	28.68	28.71	28.74	28.75	28.76	28.76	28.77	28.78	28.80	28.82	28.83	28.85	28.85	28.703
11	28.86	28.84	28.83	28.80	28.80	28.80	28.79	28.79	28.78	28.78	28.76	28.77	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.81	28.81	28.82	28.83	28.796
12	28.83	28.81	28.81	28.80	28.80	28.78	28.78	28.76	28.73	28.73	28.73	28.69	28.67	28.65	28.61	28.56	28.53	28.50	28.48	28.45	28.43	28.43	28.41	28.40	28.640
13	28.37	28.37	28.36	28.34	28.32	28.30	28.29	28.29	28.28	28.25	28.24	28.26	28.26	28.26	28.25	28.25	28.24	28.23	28.22	28.22	28.23	28.25	28.25	28.25	28.274
14	28.26	28.26	28.24	28.24	28.24	28.22	28.21	28.21	28.20	28.19	28.18	28.20	28.19	28.19	28.20	28.18	28.18	28.19	28.19	28.19	28.19	28.20	28.20	28.19	28.206
15	28.20	28.21	28.20	28.19	28.18	28.18	28.19	28.19	28.17	28.18	28.17	28.16	28.16	28.17	28.21	28.21	28.22	28.24	28.29	28.31	28.33	28.37	28.39	28.42	28.231
16	28.44	28.46	28.48	28.49	28.51	28.52	28.54	28.56	28.56	28.56	28.57	28.60	28.64	28.66	28.67	28.67	28.67	28.67	28.69	28.70	28.76	28.77	28.80	28.81	28.617
17	28.83	28.83	28.84	28.86	28.86	28.87	28.88	28.89	28.90	28.92	28.94	28.98	28.98	28.98	29.00	29.00	29.01	29.01	29.02	29.03	29.05	29.08	29.10	29.11	28.957
18	29.11	29.11	29.11	29.10	29.09	29.09	29.08	29.07	29.05	29.05	29.05	29.05	29.06	29.05	29.04	29.04	29.04	29.04	29.03	29.02	29.02	29.02	29.00	29.00	29.055
19	28.99	28.97	28.95	28.93	28.90	28.88	28.86	28.84	28.83	28.81	28.78	28.79	28.79	28.78	28.77	28.74	28.71	28.69	28.66	28.64	28.63	28.63	28.64	28.65	28.786
20	28.67	28.66	28.67	28.67	28.69	28.69	28.70	28.72	28.73	28.75	28.80	28.82	28.84	28.86	28.88	28.89	28.91	28.92	28.92	28.94	28.98	28.99	29.01	29.04	28.823
21	29.04	29.04	29.04	29.04	29.05	29.07	29.07	29.09	29.08	29.07	29.09	29.09	29.10	29.12	29.12	29.12	29.12	29.11	29.11	29.09	29.08	29.06	29.02	28.98	29.075
22	28.94	28.89	28.83	28.77	28.69	28.62	28.57	28.50	28.47	28.44	28.45	28.47	28.49	28.53	28.54	28.56	28.56	28.56	28.55	28.57	28.59	28.64	28.64	28.70	28.607
23	28.76	28.81	28.85	28.90	28.94	28.99	29.03	29.06	29.07	29.10	29.11	29.15	29.21	29.23	29.25	29.26	29.27	29.25	29.24	29.22	29.20	29.21	29.21	29.20	29.105
24	29.19	29.19	29.18	29.16	29.15	29.12	29.10	29.08	29.05	29.04	29.04	29.03	29.02	29.01	29.01	29.01	29.01	29.02	29.03	29.04	29.07	29.08	29.09	29.09	29.075
25	29.09	29.09	29.08	29.05	29.06	29.02	29.01	29.00	28.99	28.98	28.96	28.96	28.97	28.97	28.97	28.97	28.96	28.95	28.95	28.94	28.94	28.93	28.95	28.93	28.988
26	28.92	28.90	28.90	28.88	28.87	28.86	28.86	28.81	28.80	28.81	28.81	28.81	28.80	28.79	28.78	28.77	28.77	28.75	28.74	28.71	28.73	28.74	28.74	28.73	28.803
27	28.74	28.74	28.73	28.73	28.72	28.73	28.73	28.72	28.71	28.69	28.66	28.64	28.63	28.62	28.59	28.57	28.56	28.53	28.51	28.50	28.49	28.49	28.48	28.46	28.623
28	28.45	28.44	28.42	28.39	28.39	28.39	28.39	28.39	28.38	28.38	28.39	28.41	28.40	28.44	28.44	28.45	28.46	28.46	28.47	28.47	28.49	28.52	28.53	28.55	28.438
29	28.55	28.59	28.60	28.61	28.62	28.63	28.65	28.66	28.65	28.65	28.66	28.68	28.70	28.72	28.74	28.73	28.75	28.74	28.75	28.76	28.78	28.79	28.81	28.83	28.694
30	28.84	28.85	28.84	28.84	28.84	28.84	28.83	28.82	28.82	28.80	28.78	28.79	28.80	28.80	28.80	28.78	28.78	28.77	28.77	28.77	28.78	28.80	28.81	28.83	28.808
31	28.84	28.85	28.85	28.85	28.86	28.87	28.87	28.87	28.86	28.86	28.87	28.87	28.87	28.85	28.85	28.85	28.83	28.81	28.81	28.80	28.78	28.78	28.77	28.77	28.837
Mean	28.802	28.800	28.793	28.785	28.780	28.775	28.770	28.764	28.756	28.752	28.753	28.762	28.769	28.774	28.776	28.775	28.773	28.766	28.769	28.770	28.779	28.789	28.795	28.801	28.776

JUNE 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.77	28.75	28.74	28.70	28.70	28.66	28.63	28.63	28.62	28.59	28.58	28.58	28.56	28.56	28.54	28.54	28.53	28.53	28.51	28.51	28.52	28.50	28.50	28.51	28.594
2	28.53	28.54	28.56	28.59	28.60	28.63	28.67	28.69	28.73	28.76	28.79	28.81	28.86	28.90	28.93	28.95	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.96	28.804
3	28.95	28.92	28.91	28.89	28.89	28.89	28.89	28.90	28.90	28.90	28.90	28.92	28.93	28.94	28.93	28.91	28.89	28.88	28.87	28.85	28.85	28.83	28.83	28.81	28.891
4	28.81	28.81	28.81	28.80	28.80	28.80	28.80	28.80	28.82	28.83	28.87	28.89	28.91	28.96	29.01	29.05	29.08	29.10	29.13	29.16	29.18	29.19	29.20	29.20	28.959
5	29.20	29.20	29.20	29.19	29.20	29.20	29.20	29.20	29.20	29.19	29.19	29.18	29.16	29.15	29.14	29.13	29.11	29.10	29.09	29.09	29.08	29.08	29.07	29.07	29.151
6	29.08	29.06	29.04	29.04	29.01	29.00	29.00	29.00	28.99	28.98	28.96	28.96	28.97	28.95	28.95	28.94	28.92	28.91	28.88	28.86	28.85	28.85	28.84	28.82	28.952
7	28.81	28.77	28.74	28.71	28.69	28.67	28.65	28.61	28.59	28.56	28.56	28.55	28.56	28.56	28.56	28.56	28.54	28.55	28.54	28.55	28.57	28.57	28.58	28.60	28.610
8	28.60	28.61	28.61	28.61	28.61	28.61	28.61	28.60	28.59	28.58	28.58	28.56	28.57	28.56	28.55	28.55	28.53	28.53	28.51	28.50	28.52	28.53	28.53	28.52	28.565
9	28.52	28.51	28.47	28.47	28.47	28.47	28.47	28.47	28.46	28.46	28.46	28.47	28.49	28.50	28.54	28.57	28.58	28.58	28.62	28.64	28.68	28.71	28.73	28.75	28.545
10	28.77	28.79	28.79	28.79	28.79	28.81	28.81	28.82	28.80	28.81	28.79	28.78	28.78	28.77	28.76	28.75	28.71	28.69	28.67	28.67	28.66	28.67	28.67	28.67	28.751
11	28.67	28.67	28.67	28.66	28.66	28.65	28.67	28.68	28.67	28.69	28.69	28.71	28.75	28.79	28.81	28.83	28.85	28.88	28.90	28.93	28.97	29.00	29.03	29.05	28.787
12	29.07	29.07	29.05	29.04	29.05	29.03	29.02	29.00	28.98	28.96	28.94	28.91	28.91	28.90	28.89	28.88	28.87	28.85	28.85	28.85	28.86	28.87	28.88	28.88	28.942
13	28.90	28.90	28.91	28.91	28.91	28.89	28.89	28.88	28.88	28.85	28.82	28.78	28.78	28.77	28.74	28.72	28.68	28.67	28.64	28.62	28.60	28.59	28.58	28.56	28.770
14	28.54	28.53	28.51	28.47	28.44	28.44	28.43	28.40	28.37	28.34	28.31	28.31	28.28	28.28	28.26	28.24	28.23	28.22	28.21	28.20	28.21	28.21	28.21	28.21	28.327
15	28.20	28.19	28.19	28.18	28.17	28.17	28.16	28.15	28.12	28.11	28.11	28.10	28.09	28.08	28.07	28.06	28.06	28.06	28.05	28.04	28.06	28.07	28.08	28.08	28.110
16	28.08	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.08	28.08	28.07	28.09	28.12	28.14	28.15	28.17	28.19	28.21	28.21	28.22	28.24	28.26	28.27	28.27	28.139
17	28.28	28.28	28.28	28.28	28.28	28.30	28.31	28.33	28.34	28.34	28.35	28.36	28.37	28.38	28.38	28.38	28.39	28.39	28.39	28.40	28.40	28.41	28.42	28.41	28.352
18	28.41	28.41	28.41	28.40	28.40	28.39	28.38	28.37	28.37	28.37	28.37	28.38	28.39	28.41	28.42	28.43	28.44	28.44	28.44	28.44	28.47	28.48	28.50	28.50	28.418
19	28.50	28.50	28.50	28.50	28.50	28.49	28.48	28.47	28.46	28.45	28.42	28.43	28.42	28.43	28.42	28.42	28.40	28.39	28.39	28.40	28.41	28.43	28.46	28.46	28.447
20	28.46	28.47	28.47	28.47	28.47	28.47	28.46	28.46	28.46	28.46	28.45	28.47	28.48	28.49	28.47	28.46	28.47	28.45	28.45	28.44	28.44	28.45	28.45	28.45	28.461
21	28.42	28.42	28.39	28.38	28.38	28.37	28.37	28.37	28.35	28.35	28.35	28.36	28.36	28.36	28.36	28.35	28.34	28.32	28.32	28.32	28.31	28.31	28.31	28.30	28.353
22	28.28	28.26	28.25	28.24	28.22	28.21	28.20	28.19	28.19	28.17	28.16	28.17	28.14	28.15	28.16	28.15	28.17	28.18	28.19	28.19	28.20	28.21	28.23	28.27	28.199
23	28.27	28.29	28.30	28.33	28.36	28.38	28.39	28.40	28.43	28.42	28.43	28.44	28.45	28.45	28.45	28.44	28.43	28.41	28.39	28.34	28.31	28.28	28.26	28.21	28.369
24	28.17	28.15	28.14	28.11	28.10	28.10	28.10	28.10	28.11	28.12	28.14	28.16	28.19	28.22	28.25	28.30	28.33	28.34	28.35	28.36	28.41	28.43	28.47	28.48	28.325
25	28.51	28.52	28.55	28.58	28.61	28.62	28.67	28.68	28.70	28.72	28.74	28.75	28.79	28.80	28.82	28.83	28.83	28.83	28.82	28.81	28.80	28.79	28.79	28.78	28.722
26	28.77	28.75	28.74	28.74	28.73	28.72	28.73	28.74	28.73	28.71	28.70	28.71	28.73	28.74	28.75	28.75	28.75	28.75	28.77	28.78	28.80	28.82	28.83	28.85	28.754
27	28.87	28.87	28.88	28.88	28.89	28.90	28.90	28.90	28.89	28.89	28.88	28.87	28.88	28.87	28.88	28.89	28.89	28.90	28.90	28.91	28.93	28.96	29.00	29.01	28.902
28	29.05	29.05	29.06	29.07	29.07	29.09	29.10	29.12	29.13	29.14	29.14	29.16	29.17	29.18	29.19	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.20	29.21	29.151
29	29.21	29.21	29.21	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.19	29.19	29.19	29.18	29.20	29.20	29.20	29.20	29.21	29.22	29.23	29.23	29.22	29.24	29.205
30	29.24	29.23	29.22	29.21	29.21	29.21	29.21	29.21	29.21	29.20	29.20	29.20	29.20	29.22	29.24	29.25	29.25	29.25	29.25	29.26	29.27	29.27	29.26	29.26	29.230
Mean	28.665	28.660	28.656	28.650	28.649	28.648	28.649	28.648	28.646	28.641	28.638	28.642	28.649	28.656	28.661	88.664	28.661	28.660	28.658	28.658	28.667	28.673	28.679	28.680	28.657

TABLE 29.—*Pressure—Hourly values, Bolling Advance Base*—Continued

JULY 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.26	29.24	29.21	29.19	29.17	29.15	29.12	29.10	29.06	29.04	29.02	29.00	28.96	28.96	28.95	28.95	28.94	28.94	28.93	28.92	28.92	28.93	28.93	28.92	29.034
2	28.92	28.92	28.93	28.91	28.90	28.88	28.88	28.87	28.86	28.84	28.82	28.80	28.78	28.76	28.74	28.73	28.71	28.69	28.68	28.65	28.64	28.64	28.63	28.63	28.784
3	28.64	28.64	28.63	28.64	28.63	28.63	28.64	28.65	28.64	28.63	28.63	28.63	28.63	28.63	28.64	28.66	28.67	28.69	28.71	28.72	28.73	28.75	28.76	28.78	28.667
4	28.79	28.78	28.79	28.79	28.79	28.79	28.80	28.80	28.79	28.78	28.79	28.79	28.77	28.77	28.77	28.76	28.77	28.77	28.76	28.76	28.77	28.78	28.77	28.77	28.779
5	28.77	28.77	28.76	28.75	28.75	28.74	28.75	28.75	28.74	28.74	28.74	28.73	28.72	28.72	28.74	28.74	28.74	28.75	28.76	28.77	28.79	28.78	28.77	28.77	28.752
6	28.79	28.79	28.79	28.78	28.78	28.77	28.77	28.76	28.75	28.75	28.73	28.72	28.72	28.72	28.73	28.75	28.76	28.76	28.79	28.80	28.81	28.81	28.82	28.84	28.770
7	28.85	28.84	28.83	28.83	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.85	28.86	28.87	28.90	28.91	28.92	28.94	28.96	28.97	29.00	29.01	29.02	29.04	28.895
8	29.08	29.09	29.09	29.10	29.10	29.10	29.10	29.10	29.11	29.11	29.12	29.12	29.10	29.08	29.11	29.09	29.09	29.08	29.07	29.05	29.05	29.04	29.01	29.01	29.083
9	28.99	28.97	28.96	28.91	28.89	28.89	28.87	28.84	28.83	28.81	28.81	28.80	28.78	28.77	28.79	28.80	28.79	28.79	28.80	28.80	28.80	28.79	28.80	28.82	28.838
10	28.82	28.82	28.81	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.79	28.79	28.79	28.80	28.81	28.81	28.83	28.83	28.84	28.86	28.88	28.88	28.90	28.819
11	28.90	28.90	28.90	28.90	28.88	28.88	28.88	28.87	28.86	28.86	28.86	28.86	28.86	28.86	28.88	28.89	28.90	28.90	28.91	28.93	28.94	28.93	28.93	28.93	28.892
12	28.94	28.94	28.92	28.92	28.89	28.86	28.86	28.85	28.83	28.81	28.80	28.77	28.77	28.77	28.76	28.76	28.75	28.75	28.74	28.75	28.76	28.77	28.78	28.79	28.814
13	28.81	28.82	28.82	28.84	28.85	28.86	28.87	28.87	28.88	28.88	28.87	28.88	28.88	28.90	28.91	28.92	28.92	28.94	28.93	28.93	28.93	28.94	28.95	28.95	28.890
14	28.95	28.95	28.96	28.95	28.93	28.91	28.90	28.88	28.87	28.85	28.84	28.80	28.76	28.76	28.75	28.75	28.74	28.74	28.73	28.73	28.74	28.74	28.74	28.74	28.821
15	28.74	28.74	28.73	28.72	28.72	28.69	28.69	28.69	28.67	28.64	28.63	28.58	28.55	28.53	28.51	28.48	28.43	28.41	28.38	28.35	28.34	28.32	28.31	28.31	28.548
16	28.28	28.24	28.21	28.20	28.17	28.17	28.15	28.12	28.09	28.08	28.03	28.01	27.99	27.99	27.98	27.98	27.97	27.95	27.95	27.94	27.95	27.95	27.96	27.98	28.056
17	27.98	28.00	28.01	28.02	28.02	28.05	28.06	28.06	28.09	28.11	28.14	28.18	28.19	28.19	28.23	28.25	28.26	28.28	28.29	28.29	28.28	28.27	28.27	28.27	28.158
18	28.24	28.24	28.23	28.20	28.20	28.17	28.16	28.11	28.10	28.09	28.08	28.07	28.06	28.06	28.06	28.07	28.10	28.12	28.13	28.14	28.16	28.17	28.20	28.21	28.140
19	28.23	28.25	28.26	28.27	28.27	28.28	28.29	28.30	28.29	28.29	28.28	28.28	28.27	28.26	28.28	28.27	28.28	28.27	28.28	28.23	28.30	28.30	28.31	28.30	28.279
20	28.30	28.29	28.30	28.31	28.32	28.34	28.37	28.38	28.40	28.42	28.44	28.47	28.46	28.46	28.49	28.50	28.52	28.54	28.55	28.50	28.59	28.59	28.61	28.61	28.452
21	28.62	28.63	28.66	28.67	28.68	28.68	28.70	28.72	28.74	28.76	28.80	28.82	28.86	28.90	28.94	28.97	29.02	29.06	29.11	29.16	29.21	29.23	29.26	29.27	28.895
22	29.30	29.32	29.34	29.33	29.32	29.32	29.31	29.30	29.29	29.28	29.27	29.25	29.24	29.22	29.21	29.20	29.20	29.19	29.18	29.19	29.19	29.20	29.22	29.23	29.254
23	29.24	29.25	29.26	29.26	29.28	29.30	29.31	29.33	29.33	29.36	29.36	29.39	29.43	29.47	29.49	29.50	29.53	29.54	29.54	29.56	29.58	29.60	29.62	29.64	29.424
24	29.65	29.65	29.65	29.64	29.64	29.63	29.62	29.61	29.61	29.57	29.55	29.53	29.51	29.49	29.49	29.45	29.43	29.41	29.40	29.37	29.34	29.32	29.30	29.29	29.506
25	29.30	29.28	29.27	29.23	29.22	29.21	29.20	29.20	29.19	29.17	29.16	29.13	29.12	29.10	29.11	29.10	29.10	29.11	29.10	29.10	29.11	29.11	29.13	29.13	29.162
26	29.14	29.14	29.13	29.10	29.10	29.10	29.10	29.08	29.05	29.02	28.99	28.98	28.95	28.96	28.95	28.94	28.92	28.92	28.92	28.90	28.90	28.89	28.89	28.88	28.998
27	28.88	28.86	28.85	28.84	28.82	28.81	28.81	28.82	28.83	28.83	28.83	28.81	28.80	28.82	28.82	28.84	28.84	28.85	28.86	28.88	28.91	28.92	28.93	28.94	28.850
28	28.95	28.96	28.96	28.96	28.95	28.95	28.94	28.94	28.94	28.93	28.92	28.90	28.89	28.89	28.89	28.90	28.88	28.87	28.83	28.82	28.83	28.82	28.81	28.81	28.898
29	28.81	28.80	28.78	28.77	28.75	28.74	28.73	28.72	28.72	28.69	28.67	28.64	28.61	28.61	28.61	28.60	28.59	28.57	28.56	28.56	28.55	28.53	28.52	28.52	28.652
30	28.51	28.48	28.47	28.45	28.43	28.40	28.38	28.36	28.35	28.34	28.33	28.32	28.31	28.30	28.31	28.29	28.26	28.23	28.21	28.21	28.21	28.21	28.21	28.21	28.324
31	28.21	28.21	28.21	28.19	28.19	28.19	28.19	28.18	28.17	28.16	28.16	28.15	28.14	28.16	28.17	28.17	28.17	28.18	28.17	28.16	28.15	28.17	28.17	28.18	28.175
Mean	28.803	28.800	28.797	28.789	28.783	28.778	28.770	28.771	28.771	28.757	28.752	28.744	28.734	28.735	28.742	28.743	28.743	28.744	28.744	28.746	28.753	28.755	28.758	28.764	28.760

AUGUST 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.18	28.16	28.15	28.13	28.11	28.08	28.05	28.02	27.99	27.97	27.94	27.89	27.85	27.84	27.85	27.81	------	------	------	------	27.72	------	27.72	27.74	27.958
2	27.77	27.79	27.82	27.84	27.87	27.88	27.90	27.92	27.93	27.92	27.93	27.92	27.93	27.93	27.95	27.97	27.98	28.00	28.03	28.06	28.10	28.14	28.19	28.24	27.959
3	28.27	28.32	28.37	28.42	28.46	28.48	28.50	28.52	28.53	28.52	28.52	28.51	28.50	28.51	28.52	28.54	28.54	28.54	28.54	28.54	28.55	28.56	28.57	28.57	28.496
4	28.57	28.57	28.57	28.56	28.54	28.52	28.50	28.48	28.46	28.44	28.41	28.37	28.36	28.35	28.34	28.33	28.32	28.32	28.32	28.32	28.33	28.35	28.37	28.40	28.421
5	28.41	28.43	28.45	28.47	28.49	28.52	28.55	28.58	28.61	28.62	28.63	28.65	28.65	28.66	28.68	28.71	28.72	28.73	28.72	28.72	28.73	28.73	28.72	28.73	28.621
6	28.72	28.71	28.70	28.69	28.68	28.66	28.65	28.64	28.63	28.62	28.60	28.58	28.56	28.55	28.54	28.53	28.51	28.50	28.49	28.47	28.45	28.44	28.43	28.43	28.574
7	28.44	28.44	28.43	28.42	28.41	28.40	28.39	28.39	28.39	28.37	28.36	28.34	28.32	28.31	28.32	28.32	28.32	28.32	28.31	28.31	28.32	28.33	28.34	28.35	28.360
8	28.36	28.36	28.37	28.38	28.39	28.40	28.41	28.42	28.42	28.42	28.42	28.43	28.44	28.45	28.46	28.47	28.49	28.51	28.53	28.55	28.56	28.57	28.58	28.60	28.458
9	28.61	28.61	28.61	28.62	28.62	28.63	28.63	28.63	28.63	28.62	28.61	28.60	28.60	28.60	28.60	28.61	28.61	28.61	28.62	28.63	28.64	28.65	28.66	28.66	28.621
10	28.67	28.67	28.68	28.68	28.67	28.67	28.67	28.67	28.66	28.65	28.64	28.63	28.62	28.61	28.61	28.62	28.62	28.61	28.61	28.60	28.60	28.59	28.59	28.58	28.634
11	28.57	28.56	28.55	28.54	28.53	28.51	28.50	28.48	28.45	28.42	28.39	28.37	28.35	28.31	28.29	28.27	28.25	28.23	28.22	28.20	28.18	28.19	28.19	28.20	28.365
12	28.20	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.20	28.20	28.19	28.18	28.18	28.16	28.14	28.13	28.12	28.11	28.10	28.09	28.09	28.08	28.07	28.163
13	28.07	28.06	28.06	28.06	28.06	28.07	28.07	28.07	28.07	28.07	28.08	28.08	28.08	28.08	28.08	28.08	28.08	28.08	28.09	29.09	28.10	28.13	28.17	28.19	28.086
14	28.21	28.22	28.25	28.25	28.26	28.27	28.29	28.30	28.31	28.32	28.35	28.37	28.39	28.40	28.41	28.42	28.44	28.47	28.50	28.52	28.55	28.60	28.62	28.64	28.390
15	28.68	28.69	28.73	28.78	28.78	28.79	28.79	28.82	28.82	28.82	28.81	28.82	28.82	28.81	28.79	28.78	28.76	28.74	28.72	28.68	28.68	28.66	28.65	28.64	28.752
16	28.61	28.58	28.57	28.52	28.48	28.45	28.44	28.41	28.38	28.35	28.33	28.32	28.30	28.25	28.21	28.17	28.15	28.08	28.02	28.02	28.01	28.01	28.00	28.01	28.278
17	28.01	28.00	28.00	28.01	28.02	28.03	28.04	28.05	28.06	28.07	28.07	28.09	28.11	28.12	28.13	28.13	28.15	28.16	28.17	28.18	28.18	28.20	28.22	28.23	28.101
18	28.24	28.24	28.24	28.24	28.24	28.25	28.28	28.30	28.32	28.33	28.35	28.37	28.40	28.41	28.41	28.45	28.45	28.41	28.41	28.40	28.40	28.40	28.41	28.42	28.349
19	28.43	28.43	28.43	28.41	28.41	28.40	28.39	28.39	28.38	28.35	28.34	28.33	28.32	28.29	28.27	28.24	28.21	28.18	28.15	28.13	28.11	28.10	28.06	28.01	28.282
20	28.00	27.98	27.97	27.95	27.92	27.90	27.90	27.89	27.86	27.87	27.86	27.86	27.85	27.89	27.90	27.90	27.97	27.97	28.00	28.00	28.03	28.04	28.09	28.12	27.947
21	28.14	28.15	28.16	28.17	28.17	28.17	28.17	28.17	28.17	28.18	28.18	28.19	28.20	28.21	28.21	28.22	28.24	28.25	28.26	28.28	28.30	28.31	28.32	28.34	28.215
22	28.35	28.37	28.38	28.39	28.40	28.41	28.43	28.44	28.45	28.45	28.46	28.46	28.47	28.49	28.49	28.50	28.50	28.50	28.50	28.50	28.50	28.48	28.49	28.49	28.454
23	28.49	28.48	28.47	28.46	28.45	28.43	28.41	28.40	28.40	28.38	28.37	28.36	28.32	28.32	28.31	28.31	28.31	28.30	28.30	28.30	28.30	28.30	28.31	28.31	28.366
24	28.31	28.31	28.31	28.31	28.30	28.30	28.29	28.30	28.31	28.32	28.33	28.33	28.34	28.36	28.38	28.40	28.41	28.41	28.42	28.42	28.44	28.46	28.46	28.46	28.361
25	28.46	28.44	28.44	28.42	28.42	28.39	28.38	28.36	28.35	28.35	28.34	28.30	28.27	28.27	28.25	28.24	28.24	28.23	28.22	28.21	28.23	28.24	28.24	28.25	28.314
26	28.25	28.24	28.20	28.20	28.17	28.14	28.11	28.09	28.06	28.03	28.00	27.98	27.96	27.96	27.94	27.92	27.90	27.88	27.86	27.82	------	------	------	------	28.036
27	------	------	------	------	------	------	------	------	------	27.52	------	------	------	------	------	------	------	------	------	27.84	------	------	------	------	27.680
28	------	------	------	------	------	------	------	------	------	28.51	------	------	28.56	28.60	28.64	28.67	28.68	28.71	28.73	28.74	28.74	28.76	28.77	28.79	28.685
29	28.80	28.81	28.81	28.82	28.83	28.84	28.85	28.85	28.85	28.86	28.84	28.83	28.83	28.84	28.85	28.84	28.84	28.82	28.81	28.80	28.81	28.82	28.82	28.81	28.828
30	28.81	28.81	28.82	28.79	28.78	28.76	28.74	28.73	28.73	28.72	28.72	28.70	28.71	28.69	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.67	28.66	28.66	28.719
31	28.64	28.62	28.62	28.60	28.58	28.57	28.57	28.54	28.53	28.52	28.51	28.49	28.46	28.44	28.43	28.43	28.41	28.40	28.38	28.37	28.36	28.37	28.34	28.34	28.480
Mean	28.389	28.388	28.392	28.391	28.388	28.384	28.383	28.382	28.378	28.348	28.365	28.357	28.358	28.358	28.357	28.357	28.376	28.371	28.370	28.349	28.369	28.400	28.382	28.389	28.374

TABLE 29.—*Pressure—Hourly values, Bolling Advance Base*—Continued

SEPTEMBER 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.34	28.34	28.33	28.33	28.32	28.31	28.30	28.29	28.29	28.28	28.26	28.24	28.22	28.22	28.21	28.20	28.19	28.18	28.18	28.16	28.15	28.14	28.13	28.11	28.238
2	28.10	28.10	28.08	28.07	28.05	28.03	28.01	28.02	28.03	28.04	28.05	28.04	28.05	28.06	28.07	28.08	28.07	28.06	28.04	28.02	27.99	27.96	27.92	27.88	28.034
3	27.81	27.77	27.77	27.76	27.75	------	------	------	------	------	------	------	------	------	------	------	------	------	------	27.62	------	------	------	------	27.747
4	------	------	------	------	------	------	------	------	------	------	------	------	------	27.74	27.77	27.80	27.83	27.85	27.89	27.92	27.94	27.97	28.00	28.03	27.885
5	28.10	28.11	28.13	28.13	28.20	28.23	28.24	28.28	28.31	28.31	28.32	28.33	28.34	28.36	28.38	28.39	28.40	28.41	28.40	28.40	28.40	28.45	28.46	28.48	28.315
6	28.50	28.50	28.51	28.50	28.50	28.50	28.52	28.53	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.53	28.53	28.53	28.53	28.53	28.54	28.527
7	28.54	28.54	28.54	28.54	28.53	28.53	28.54	28.54	28.55	28.55	28.54	28.53	28.53	28.53	28.53	28.52	28.52	28.51	28.50	28.48	28.47	28.47	28.46	28.46	28.519
8	28.45	28.44	28.43	28.42	28.41	28.41	28.40	28.39	28.38	28.37	28.37	28.37	28.38	28.39	28.40	28.41	28.43	28.45	28.47	28.48	28.50	28.52	28.54	28.56	28.432
9	28.57	28.59	28.58	28.58	28.58	28.57	28.56	28.54	28.52	28.50	28.48	28.46	28.43	28.41	28.38	28.36	28.35	28.33	28.31	28.29	28.29	28.28	28.28	28.30	28.439
10	28.31	28.32	28.34	28.36	28.37	28.39	28.42	28.44	28.47	28.49	28.51	28.53	28.55	28.58	28.60	28.61	28.63	28.66	28.69	28.72	28.74	28.76	28.78	28.81	28.545
11	28.83	28.84	28.85	28.86	28.86	28.86	28.86	28.87	28.87	28.88	28.88	28.88	28.87	28.87	28.87	28.87	28.87	28.87	28.86	28.86	28.86	28.86	28.87	28.88	28.865
12	28.88	28.87	28.86	28.84	28.83	28.82	28.82	28.81	28.81	28.81	28.80	28.79	28.78	28.78	28.77	28.76	28.77	28.77	28.76	28.75	28.74	28.73	28.72	28.70	28.790
13	28.68	28.66	28.64	28.62	28.60	28.57	28.53	28.52	28.49	28.45	28.43	28.41	28.38	28.35	28.34	28.33	28.32	28.30	28.28	28.26	28.25	28.25	28.24	28.24	28.422
14	28.23	28.22	28.20	28.18	28.16	28.15	28.14	28.13	28.12	28.12	28.12	28.11	28.11	28.12	28.13	28.14	28.16	28.19	28.21	28.23	28.24	28.27	28.30	28.32	28.179
15	28.34	28.36	28.38	28.39	28.40	28.42	28.44	28.48	28.49	28.51	28.52	28.53	28.55	28.57	28.59	28.61	28.64	28.67	28.69	28.72	28.74	28.76	28.79	28.82	28.559
16	28.83	28.85	28.87	28.88	28.89	28.89	28.89	28.89	28.89	28.88	28.88	28.87	28.86	28.85	28.83	28.81	28.80	28.78	28.76	28.74	28.70	28.66	28.63	28.59	28.813
17	28.55	28.51	28.48	28.44	28.39	28.35	28.31	28.27	28.25	28.22	28.20	28.18	28.17	28.18	28.18	28.18	28.19	28.19	28.22	28.24	28.26	28.28	28.30	28.33	28.286
18	28.35	28.37	28.39	28.41	28.42	28.43	28.43	28.44	28.44	28.44	28.44	28.44	28.44	28.43	28.43	28.42	28.42	28.43	28.43	28.44	28.44	28.44	28.45	28.46	28.426
19	28.47	28.48	28.48	28.48	28.47	28.46	28.45	28.45	28.46	28.46	28.46	28.45	28.44	28.44	28.45	28.46	28.46	28.46	28.46	28.46	28.47	28.48	28.48	28.48	28.463
20	28.48	28.48	28.48	28.48	28.47	28.46	28.46	28.47	28.47	28.48	28.48	28.47	28.47	28.49	28.50	28.51	28.51	28.52	28.53	28.53	28.54	28.56	28.58	28.60	28.501
21	28.62	28.64	28.67	28.69	28.70	28.71	28.73	28.75	28.77	28.79	28.81	28.82	28.83	28.86	28.89	28.92	28.95	28.98	29.01	29.02	29.05	29.09	29.11	29.14	28.856
22	29.16	29.19	29.20	29.21	29.21	29.22	29.22	29.23	29.23	29.24	29.23	29.21	29.20	29.19	29.18	29.16	29.13	29.09	29.06	29.02	29.00	28.96	28.92	28.87	29.139
23	28.84	28.81	28.79	28.76	28.73	28.70	28.66	28.63	28.61	28.58	28.55	28.51	28.46	28.42	28.40	28.37	28.35	28.33	28.32	28.30	28.30	28.30	28.30	28.31	28.514
24	28.31	28.32	28.32	28.31	28.31	28.31	28.31	28.32	28.32	28.33	28.33	28.34	28.37	28.40	28.42	28.45	28.48	28.50	28.53	28.56	28.57	28.59	28.60	28.62	28.413
25	28.63	28.64	28.64	28.63	28.62	28.59	28.58	28.56	28.55	28.54	28.53	28.52	28.51	28.50	28.49	28.49	28.49	28.49	28.49	28.49	28.48	28.47	28.47	28.47	28.536
26	28.46	28.45	28.44	28.42	28.39	28.36	28.36	28.35	28.34	28.34	28.33	28.34	28.37	28.40	28.43	28.44	28.45	28.45	28.46	28.48	28.49	28.50	28.51	28.51	28.420
27	28.52	28.53	28.53	28.54	28.54	28.55	28.56	28.57	28.57	28.57	28.56	28.56	28.59	28.59	28.60	28.61	28.60	28.58	28.57	28.54	28.53	28.51	28.50	28.51	28.555
28	28.51	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.51	28.50	28.49	28.50	28.51	28.53	28.55	28.56	28.58	28.60	28.62	28.64	28.66	28.68	28.70	28.70	28.562
29	28.70	28.70	28.69	28.68	28.67	28.67	28.66	28.66	28.66	28.66	28.66	28.65	28.65	28.65	28.66	28.67	28.67	28.68	28.69	28.70	28.71	28.71	28.71	28.71	28.678
30	28.71	28.71	28.70	28.70	28.68	28.66	28.64	28.62	28.59	28.56	28.53	28.50	28.46	28.45	28.43	28.41	28.40	28.40	28.40	28.40	28.41	28.41	28.42	28.42	28.525
Mean	28.511	28.512	28.512	28.508	28.502	28.524	28.520	28.520	28.513	28.516	28.511	28.504	28.502	28.479	28.483	28.486	28.490	28.492	28.495	28.467	28.498	28.503	28.507	28.512	28.503

OCTOBER 1934

[Station pressure. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.43	28.48	28.52	28.57	28.60	28.62	28.65	28.68	28.70	28.71	28.71	28.72	28.74	28.75	28.75	28.76	28.76	28.76	28.76	28.76	28.78	28.78	28.78	28.78	28.690
2	28.78	28.79	28.79	28.78	28.77	28.76	28.75	28.75	28.74	28.74	28.73	28.72	28.73	28.73	28.72	28.72	28.73	28.73	28.73	28.74	28.74	28.74	28.73	28.73	28.745
3	28.73	28.73	28.73	28.73	28.71	28.69	28.68	28.66	28.66	28.65	28.64	28.62	28.59	28.57	28.56	28.54	28.53	28.52	28.51	28.50	28.48	28.47	28.46	28.45	28.600
4	28.44	28.43	28.41	28.39	28.37	28.35	28.33	28.31	28.29	28.27	28.26	28.23	28.20	28.18	28.16	28.14	28.12	28.10	28.08	28.06	28.05	28.04	28.04	28.05	28.221
5	28.05	28.04	28.03	28.01	28.01	28.00	27.98	27.97	27.96	27.94	27.93	27.92	27.91	27.89	27.87	27.83	27.79	27.75	27.71	27.68	27.62	27.56	27.53	27.50	27.853
6	------	------	------	------	------	------	------	------	------	27.59	27.62	27.66	27.70	27.75	27.80	27.86	27.91	27.97	28.01	28.05	28.10	28.17	28.24	28.30	27.915
7	28.34	28.37	28.38	28.39	28.40	28.41	28.43	28.44	28.46	28.47	28.48	28.49	28.50	28.51	28.53	28.56	28.58	28.60	28.62	28.63	28.64	28.64	28.65	28.65	28.507

TABLE 30.—Temperatures—hourly values, on board the "City of New York" in the Bay of Whales

JANUARY 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	22	20	20	22	23	25	24	24	24	25	26	27	26	26	26	26	25	25	25	26	25	26	25	24	24.5	28	20	8
2	25	24	25	26	27	27	25	26	27	29	27	26	30	26	27	27	27	27	25	24	24	24	25	27	26.1	30	24	6
3	27	26	26	27	27	27	31	28	27	28	29	33	30	33	28	25	26	25	25	24	22	24	24	23	26.9	36	22	14
4	23	22	23	22	25	24	24	24	25	24	28	27	27	28	30	29	29	28	25	22	19	17	16	17	24.1	30	16	14
5	17	18	18	18	19	18	18	20	24	26	30	32	32	32	35	35	36	30	29	27	26	27	27	27	25.9	36	17	19
6	28	28	28	28	31	29	29	30	30	29	26	29	30	30	30	30	30	30	30	30	30	29	31	22	29.0	32	22	10
7	19	22	22	23	24	23	23	23	24	26	28	30	30	30	28	24	23	21	20	22	22	21	20	20	23.7	35	19	16
8	20	20	18	18	17	17	18	19	18	18	18	19	19	20	21	20	19	18	21	19	17	16	15	16	18.4	21	15	6
9	19	20	22	23	25	27	28	28	28	28	29	29	29	29	30	29	29	28	28	28	28	28	28	27	27.0	30	16	14
10	22	22	22	23	22	17	16	16	16	17	18	19	19	20	20	19	19	19	19	18	17	17	15	13	18.5	27	13	14
11	13	13	14	14	14	13	14	14	14	13	13	14	14	14	13	14	13	13	12	12	12	11	9	9	12.9	15	9	6
12	8	9	9	11	13	14	15	15	17	23	27	29	24	27	26	27	27	27	27	27	27	27	27	27	21.2	30	8	22
13	27	27	27	27	27	27	27	27	27	27	27	30	31	32	25	27	27	27	26	28	24	24	21	19	26.6	32	19	13
14	19	20	13	17	18	21	25	26	29	29	31	26	28	30	28	26	29	32	31	30	27	26	26	26	25.5	33	13	20
15	24	24	25	23	25	21	20	19	18	20	21	26	25	25	26	22	18	18	14	12	12	10	8	6	19.2	27	6	21
16	5	5	6	7	11	10	12	15	13	13	14	17	18	19	19	17	16	12	9	8	6	5	5	3	11.0	19.	3	16
17	3	3	6	4	8	7	10	14	14	16	25	25	26	28	26	21	14	10	7	5	3	3	6	8	12.2	28	3	25
18	8	9	8	9	8	6	8	9	10	10	11	12	11	12	13	13	13	12	12	12	12	12	11	11	10.5	13	6	7
19	9	8	8	6	5	5	7	8	9	10	11	11	14	15	12	11	12	12	12	12	11	11	11	10	10.0	15	5	10
20	11	12	11	11	12	13	14	15	16	17	17	17	18	18	19	19	19	19	19	20	21	22	28	29	17.4	29	10	19
21	28	28	28	29	30	33	32	31	32	33	33	34	33	35	34	32	30	32	28	28	28	28	28	26	30.5	37	26	11
22	26	25	24	25	27	34	29	32	31	35	35	37	40	42	38	36	36	34	32	30	28	26	28	27	31.5	42	24	18
23	27	29	28	29	31	32	33	33	34	33	32	32	33	31	28	27	26	25	25	24	23	23	22	23	28.5	35	22	13
24	21	19	17	16	17	23	28	26	25	24	27	28	31	35	28	27	26	24	23	20	19	23	18	16	23.4	35	16	19
25	16	17	17	16	18	21	23	26	32	35	36	34	29	27	31	33	33	24	23	22	21	20	27	28	25.4	38	16	22
26	30	26	25	30	31	32	32	31	34	36	38	39	37	39	36	28	29	27	27	30	20	13	20	22	29.7	39	13	26
27	21	20	21	23	23	24	24	26	28	29	24	24	24	24	23	25	21	19	17	14	10	9	6	6	20.2	30	6	24
28	6	4	4	2	3	4	7	8	7	8	12	17	20	21	22	21	23	24	25	26	26	27	26	27	15.4	28	2	26
29	28	28	26	24	25	26	27	30	30	30	32	30	29	31	26	25	24	26	25	22	22	15	12	11	25.2	33	11	22
30	8	11	9	6	5	5	7	10	9	11	13	14	16	17	18	17	14	11	8	5	4	0	0	−3	9.0	19	−3	22
31	−5	−6	−5	−3	2	3	3	3	5	7	7	9	11	11	13	10	9	11	10	5	7	10	10	10	5.7	13	−6	19
Mean	17.9	17.8	17.6	17.9	19.1	19.6	20.4	21.2	21.8	22.9	24.0	25.0	25.3	26.0	25.1	23.9	23.3	22.3	21.3	20.4	19.1	18.5	18.5	18.0	21.1	28.9	12.7	16.2

FEBRUARY 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	11	12	12	15	11	9	12	10	14	12	14	15	15	15	14	15	14	15	15	14	11	7	6	6	12.2	16	6	10
2	7	6	7	7	8	9	9	10	12	12	13	14	14	14	13	13	13	13	13	13	14	11	8	5	10.7	15	5	10
3	1	1	−1	1	1	4	6	8	9	13	12	12	11	11	12	13	15	25	21	20	19	21	17	16	11.2	25	−1	26
4	16	16	15	15	15	14	16	14	15	16	17	14	13	13	12	12	12	11	9	7	7	6	1	3	12.0	21	1	20
5	3	2	5	2	5	6	5	−1	6	5	7	14	12	7	10	8	7	5	3	2	−3	−5	−6	−9	3.8	14	−9	23
6	−5	−2	0	1	1	2	6	8	11	9	10	11	12	12	13	15	15	15	14	15	13	17	17	22	9.7	22	−9	31
7	23	26	18	22	22	13	12	14	11	13	15	16	16	17	16	15	15	14	13	13	13	13	15	16	15.9	26	11	15
8	16	16	17	17	18	19	25	26	28	27	26	27	27	26	27	27	27	28	28	28	27	27	28	29	24.6	29	16	13
9	29	29	29	29	29	29	29	29	30	30	28	28	31	31	31	31	30	29	29	29	28	29	29	29	29.3	31	27	4
10	29	29	28	28	28	26	25	26	25	25	26	26	27	26	27	27	29	29	28	28	28	29	29	29	27.4	30	25	5
11	28	29	28	28	27	27	28	28	27	26	27	28	28	28	27	27	27	26	25	24	24	23	25	25	26.7	30	23	7
12	26	23	23	23	26	27	27	27	28	28	28	27	29	29	32	29	29	29	29	30	29	29	29	28	27.7	32	23	9
13	28	27	26	26	27	26	24	24	28	25	26	27	25	24	24	24	23	23	22	20	19	17	14	18	23.6	29	14	15
14	22	24	26	27	25	26	27	26	25	25	23	22	21	21	21	21	20	21	21	21	21	21	21	21	22.9	27	18	5
15	21	21	21	21	21	22	21	21	22	23	25	25	25	27	------	------	------	------	------	------	------	------	------	------	22.6	------	------	------
Mean	17.0	17.3	16.9	17.5	17.6	17.3	18.1	18.0	19.4	19.3	19.8	20.4	20.4	20.1	19.9	19.8	19.7	20.2	19.3	18.9	17.9	17.5	16.6	17.0	18.6	24.8	10.7	14.1

TABLE 31.—*Temperatures—hourly values, Little America*

FEBRUARY 1929

[Fahrenheit degrees. 180th meridain time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
16	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
17	1	−5	−6	−3	−2	−3	−5	−3	−2	−1	0	1	1	1	2	3	3	3	1	−1	−2	3	−1	−4	−0.8	6	−7	13
18	−8	−10	−10	−11	−10	−9	−9	−9	−4	2	3	5	6	7	6	3	2	−2	−3	−5	−7	−7	−7	−9	−3.6	11	−12	23
19	−9	−9	−12	−10	−8	−9	−6	−3	−2	−2	−3	−2	−1	1	1	2	2	−2	−4	−6	−8	−9	−14	−18	−5.5	2	−18	20
20	−19	−18	−17	−15	−14	−11	−4	−4	−3	−3	0	2	5	6	6	5	5	5	4	3	1	−1	−8	−6	−3.4	6	−19	25
21	−9	−7	−11	−12	−9	−6	−8	−5	−3	−1	0	3	3	6	3	1	0	0	−1	−6	−9	−13	−16	−15	−4.8	6	−17	23
22	−16	−18	−20	−18	−17	−8	−5	−5	−3	−6	−6	−4	−2	−3	−2	−4	−6	−7	−10	−12	−15	−15	−16	−16	−9.7	−2	−22	20
23	−17	−17	−15	−13	−12	−9	−4	−2	−3	−2	−3	−3	−4	−4	−3	−4	−3	−2	−1	1	5	6	4	4	−4.2	6	−17	23
24	6	7	6	7	7	8	10	9	9	8	9	8	10	8	9	9	12	13	11	11	13	14	15	15	9.7	15	3	12
25	17	16	15	16	14	15	15	11	12	12	15	20	22	18	14	15	13	13	11	14	11	9	9	10	14.0	23	9	14
26	9	10	13	14	16	17	19	20	20	20	19	18	17	15	15	14	12	14	13	12	11	10	8	6	14.2	20	6	14
27	4	6	7	8	7	7	9	11	12	12	12	13	14	14	13	9	8	7	4	6	8	8	8	8	9.0	14	4	10
28	7	6	4	5	5	5	6	5	7	5	6	6	6	5	4	5	6	5	5	4	4	5	5	6	5.3	8	4	4
Mean	−1.3	−1.7	−2.5	−1.4	−0.6	0.9	2.6	3.2	4.2	4.5	5.2	6.5	7.2	6.8	6.2	5.4	4.9	4.2	3.0	2.0	1.5	1.4	−0.5	−1.2	2.5	10.2	−6.3	16.5

MARCH 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
2	5	5	4	5	6	7	7	8	7	7	9	9	9	10	10	8	8	8	7	6	6	2	1	−2	6.3	10	−2	12
3	−7	−9	−10	−9	−7	−3	−3	−3	−5	−6	−4	−1	0	0	−1	0	−2	−2	−3	−4	−3	−8	−11	−12	−4.7	0	−12	12
4	−11	−11	−10	−9	−8	−10	−7	−6	−6	−4	−2	−1	−2	−2	−2	−1	0	1	2	1	1	1	0	0	−3.6	2	−12	14
5	0	0	−1	0	1	1	−1	−1	1	2	3	6	7	8	10	10	8	8	7	8	6	7	8	10	4.5	11	−1	12
6	10	11	12	14	14	15	18	17	17	18	20	22	20	19	18	18	15	15	17	13	11	10	9	7	15.0	22	7	15
7	6	7	5	3	3	5	5	4	3	4	5	7	9	11	10	6	4	2	0	−1	−5	−9	−2	0	3.4	13	−9	22
8	1	3	5	6	18	20	17	16	12	7	5	5	4	4	3	0	−3	−6	−10	−13	−16	−18	−16	−13	1.3	21	−18	39
9	−9	−6	−2	−1	1	2	3	3	3	3	3	3	3	5	5	6	7	8	9	9	9	10	12	13	4.1	13	−13	26
10	8	4	−1	−6	−10	−15	−20	−18	−16	−15	−11	−13	−15	−14	−13	−13	−14	−15	−16	−17	−16	−15	−11	−9	−11.7	13	−20	33
11	−5	0	11	17	20	20	12	4	0	−2	−2	−3	−4	−4	−4	−8	−9	−14	−17	−16	−15	−12	−11	−8	−2.1	20	−19	39
12	−7	−3	−2	−2	−3	−2	−1	−1	0	1	2	3	2	0	0	0	0	1	1	1	−9	−13	−14	−14	−2.5	3	−15	18
13	−14	−14	−15	−16	−18	−19	−16	−13	−12	−11	−13	−13	−11	−9	−9	−9	−11	−11	−5	−13	−14	−12	−10	−11	−12.5	−5	−19	14
14	−12	−13	−9	−6	−4	−2	0	0	1	2	4	5	8	11	10	10	10	10	9	10	12	13	15	16	4.2	16	−13	29
15	19	23	24	24	25	23	23	23	23	24	24	25	24	24	23	23	23	21	22	24	24	24	24	23	23.3	25	16	9
16	12	11	9	8	7	6	5	3	1	1	0	−1	−1	−1	−2	−1	−3	−5	−3	−1	−3	−7	−8	−9	0.7	23	−9	32
17	−4	0	6	9	12	13	14	11	9	7	2	0	−2	−4	−6	−10	−16	−13	−12	−5	0	1	3	3	0.7	14	−16	30
18	4	3	5	6	7	7	8	8	7	8	9	8	6	4	4	3	1	−3	−3	0	2	1	−2	−1	3.8	10	−4	14
19	1	−1	−3	−5	−2	1	−1	−3	−4	−5	−5	−5	−5	−4	−2	−5	−7	−8	−8	−7	−9	−8	−8	−6	−4.5	1	−9	10
20	−5	−6	−3	−1	−3	−3	−2	0	1	0	0	1	0	0	−1	−1	−3	−3	−3	−3	−2	−2	−1	1	−1.6	1	−6	7
21	−1	−2	−2	1	−1	−4	−5	−5	−7	−7	−9	−7	−7	−9	−10	−10	−12	−14	−15	−15	−17	−18	−19	−18	−8.9	1	−19	20
22	−17	−19	−18	−21	−23	−22	−21	−21	−20	−17	−20	−20	−21	−21	−27	−28	−29	−30	−32	−32	−34	−34	−34	−34	−24.8	−17	−34	17
23	−34	−35	−34	−34	−35	−35	−35	−30	−30	−29	−28	−30	−29	−30	−32	−33	−36	−36	−37	−36	−36	−36	−36	−33	−33.3	−28	−37	9
24	−32	−25	−21	−19	−21	−22	−17	−12	−9	−9	−6	−7	−6	−5	−4	−3	−1	−1	−1	−1	−1	0	0	0	−9.8	0	−33	33
25	0	−1	−4	−6	−7	−7	−7	−6	−5	−5	−4	−4	−4	−4	−4	−5	−6	−6	−5	−5	−4	−4	−5	−6	−4.7	0	−7	7
26	−8	−11	−15	−17	−23	−16	−13	−9	−6	0	1	−9	−10	−14	−17	−21	−20	−18	−13	−9	−7	−5	−4	−5	−11.2	1	−23	24
27	−5	−4	−5	−7	−7	−5	−5	−5	−6	−8	−9	−12	−15	−16	−19	−21	−18	−17	−19	−19	−16	−13	−11	−11	−11.3	−4	−22	18
28	−12	−12	−12	−13	−16	−20	−22	−24	−25	−26	−20	−17	−14	−13	−11	−12	−12	−17	−17	−15	−22	−26	−26	−30	−18.1	−11	−30	19
29	−29	−28	−26	−22	−18	−16	−13	−13	−14	−14	−17	−15	−17	−15	−15	−14	−14	−12	−11	−9	−8	−5	−4	−4	−14.7	−4	−30	26
30	−4	−6	−7	−7	−7	−8	−9	−9	−11	−11	−13	−14	−16	−16	−16	−17	−19	−21	−24	−26	−27	−26	−26	−26	−15.2	−4	−28	24
31	−25	−25	−28	−28	−28	−28	−29	−29	−29	−30	−32	−32	−33	−34	−36	−38	−40	−41	−41	−40	−41	−41	−42	−44	−33.9	−25	−44	19
Mean	−5.5	−5.1	−4.6	−4.2	−4.0	−3.6	−3.5	−3.4	−3.7	−3.5	−3.3	−3.4	−3.6	−3.5	−4.2	−5.1	−6.1	−6.8	−6.9	−6.7	−7.4	−7.7	−7.3	−7.1	−5.0	4.2	−15.4	19.6

APRIL 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−46	−46	−47	−46	−45	−46	−44	−45	−46	−46	−43	−44	−45	−43	−44	−47	−49	−50	−50	−46	−43	−42	−40	−39	−45.1	−39	−50	11
2	−42	−44	−46	−47	−48	−48	−46	−46	−46	−45	−44	−44	−42	−45	−47	−47	−48	−50	−48	−48	−47	−46	−44	−44	−45.9	−39	−50	11
3	−43	−43	−41	−39	−39	−37	−38	−35	−36	−37	−35	−36	−35	−34	−37	−38	−39	−39	−39	−40	−40	−39	−39	−35	−38.0	−33	−44	11
4	−34	−38	−39	−38	−39	−40	−38	−38	−40	−39	−39	−38	−39	−39	−40	−43	−43	−44	−44	−45	−46	−47	−47	−42	−40.8	−33	−47	14
5	−39	−40	−38	−36	−35	−34	−30	−28	−27	−25	−24	−24	−23	−25	−25	−22	−21	−20	−20	−19	−19	−18	−18	−19	−26.2	−18	−42	24
6	−21	−23	−21	−20	−20	−20	−21	−22	−20	−20	−20	−23	−25	−26	−26	−27	−29	−31	−32	−26	−24	−24	−23	−24	−23.7	−19	−31	13
7	−24	−27	−27	−27	−29	−28	−28	−27	−25	−21	−22	−21	−33	−35	−33	−31	−33	−34	−34	−36	−36	−36	−34	−35	−29.8	−21	−36	15
8	−36	−36	−35	−34	−33	−34	−33	−34	−36	−38	−39	−39	−36	−30	−25	−24	−23	−22	−22	−20	−19	−19	−18	−18	−29.3	−18	−39	21
9	−21	−25	−28	−30	−31	−31	−32	−32	−31	−31	−30	−28	−25	−23	−23	−22	−21	−21	−19	−18	−18	−16	−16	−15	−24.5	−15	−32	17
10	−13	−12	−11	−11	−11	−10	−12	−15	−18	−16	−19	−20	−22	−25	−26	−27	−28	−27	−29	−28	−28	−29	−29	−29	−20.6	−10	−29	19
11	−28	−26	−25	−27	−29	−29	−29	−30	−31	−32	−32	−32	−33	−36	−37	−37	−37	−35	−33	−33	−33	−32	−32	−31	−31.6	−25	−37	12
12	−30	−31	−30	−30	−30	−30	−28	−29	−30	−31	−32	−29	−24	−23	−23	−17	−14	−15	−17	−21	−19	−11	−9	−14	−23.6	−9	−32	23
13	−12	−8	−10	−6	−7	−7	−4	−6	−5	−5	−4	−3	−3	2	2	2	2	3	3	4	4	4	4	3	−2.0	4	−14	18
14	3	−1	−2	−2	−4	−5	−5	−5	−5	−6	−5	−5	−5	−6	−7	−7	−8	−8	−8	−7	−7	−7	−7	−8	−5.3	3	−8	11
15	−8	−8	−9	−9	−8	−8	−7	−7	−7	−8	−8	−9	−10	−10	−10	−10	−10	−10	−10	−9	−10	−12	−11	−11	−9.1	−6	−12	6
16	−13	−13	−12	−12	−12	−12	−12	−11	−11	−12	−12	−12	−12	−12	−14	−14	−14	−15	−15	−17	−19	−20	−20	−23	−14.1	−11	−23	12
17	−29	−32	−33	−29	−29	−25	−24	−21	−23	−27	−28	−30	−32	−31	−32	−33	−34	−35	−36	−38	−39	−37	−38	−38	−31.4	−21	−40	19
18	−35	−36	−36	−35	−32	−29	−26	−25	−25	−24	−25	−24	−26	−27	−28	−28	−28	−29	−30	−24	−22	−26	−29	−29	−28.2	−22	−38	16
19	−32	−32	−33	−36	−38	−37	−32	−28	−25	−24	−27	−32	−33	−32	−34	−32	−29	−33	−34	−35	−37	−34	−33	−30	−32.2	−23	−38	15
20	−28	−28	−27	−27	−28	−29	−29	−28	−29	−32	−33	−35	−35	−36	−35	−35	−36	−40	−42	−43	−42	−40	−42	−43	−34.2	−27	−44	17
21	−44	−44	−45	−45	−46	−47	−48	−47	−50	−52	−50	−47	−37	−33	−31	−29	−28	−27	−27	−25	−24	−25	−25	−26	−37.6	−24	−52	28
22	−26	−24	−23	−24	−20	−17	−18	−18	−17	−15	−15	−16	−17	−18	−19	−19	−18	−19	−20	−21	−21	−21	−21	−21	−19.5	−15	−26	11
23	−20	−20	−21	−21	−22	−23	−24	−24	−25	−26	−27	−28	−31	−33	−34	−36	−38	−38	−37	−36	−36	−34	−32	−29	−29.0	−20	−38	18
24	−27	−27	−27	−28	−29	−32	−38	−41	−43	−44	−43	−44	−48	−51	−52	−54	−54	−55	−55	−56	−57	−57	−57	−57	−44.8	−27	−57	30
25	−58	−58	−58	−58	−58	−58	−57	−56	−57	−57	−57	−55	−53	−50	−45	−43	−43	−41	−41	−39	−39	−37	−37	−36	−49.6	−36	−58	22
26	−36	−36	−35	−33	−31	−30	−29	−28	−30	−29	−26	−25	−23	−22	−22	−23	−24	−24	−24	−23	−23	−23	−24	−24	−27.0	−22	−36	14
27	−27	−30	−32	−35	−38	−40	−43	−43	−44	−45	−47	−47	−49	−48	−45	−46	−47	−43	−44	−44	−42	−45	−43	−47	−42.2	−24	−49	25
28	−46	−47	−45	−44	−43	−42	−38	−35	−33	−31	−27	−25	−24	−23	−22	−22	−21	−22	−22	−25	−33	−35	−34	−34	−32.2	−21	−47	26
29	−35	−37	−39	−39	−39	−38	−36	−33	−31	−30	−31	−30	−29	−28	−30	−32	−33	−35	−36	−37	−38	−40	−39	−41	−34.8	−28	−41	13
30	−42	−42	−44	−43	−40	−39	−40	−42	−42	−42	−41	−43	−42	−41	−42	−40	−38	−37	−33	−31	−30	−26	−23	−18	−37.5	−18	−44	26
Mean	−29.7	−30.5	−30.6	−30.4	−30.4	−30.2	−29.6	−29.3	−29.6	−29.7	−29.5	−29.6	−29.7	−29.4	−29.5	−29.4	−29.5	−29.9	−29.9	−29.5	−29.6	−29.1	−28.7	−28.6	−29.7	−20.6	−37.8	17.2

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

MAY 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−13	−8	−7	−5	−3	−2	1	2	2	3	2	3	5	5	8	8	9	9	9	9	10	8	10	11	3.2	12	−18	30
2	11	12	11	9	10	8	6	3	3	7	8	8	8	8	8	9	11	11	10	14	15	14	14	12	9.6	15	2	13
3	12	13	11	11	11	10	10	9	9	8	6	5	−2	−6	−9	−11	−11	−16	−21	−23	−26	−28	−29	−30	−4.0	13	−30	43
4	−30	−27	−33	−33	−34	−34	−33	−32	−30	−33	−35	−36	−37	−36	−37	−37	−39	−41	−41	−40	−40	−38	−33	−34	−35.1	−27	−42	15
5	−34	−35	−35	−36	−36	−37	−38	−38	−38	−39	−39	−40	−40	−41	−41	−41	−42	−42	−42	−42	−43	−43	−43	−44	−39.5	−32	−44	12
6	−44	−44	−44	−44	−45	−45	−45	−45	−44	−43	−43	−42	−43	−45	−44	−44	−46	−45	−45	−45	−47	−47	−46	−44	−44.5	−42	−47	5
7	−43	−44	−44	−43	−42	−44	−44	−44	−46	−45	−45	−44	−43	−44	−43	−43	−42	−43	−43	−45	−44	−45	−45	−47	−44.0	−41	−47	6
8	−47	−48	−49	−50	−49	−49	−50	−50	−51	−48	−47	−44	−42	−39	−37	−35	−33	−31	−28	−25	−23	−22	−19	−16	−38.8	−16	−51	35
9	−8	−7	−7	−7	−7	−7	−7	−7	−7	−7	−7	−6	−6	−5	−4	−15	−21	−22	−24	−27	−33	−35	−34	−29	−14.1	−4	−35	31
10	−25	−20	−17	−15	−13	−16	−17	−15	−14	−16	−17	−18	−17	−13	−11	−11	−12	−11	−8	−5	−7	−5	−3	−1	−12.8	−1	−29	28
11	0	0	−3	−2	−3	−2	−1	−2	−2	−4	−5	−4	−4	−5	−7	−6	−5	−4	−5	−6	−5	−5	−6	−7	−3.9	1	−7	8
12	−8	−10	−13	−13	−15	−15	−17	−20	−19	−23	−24	−24	−24	−24	−24	−23	−24	−26	−26	−25	−26	−26	−28	−28	−21.0	−7	−28	21
13	−29	−29	−29	−29	−30	−30	−31	−32	−32	−34	−34	−35	−35	−35	−35	−36	−35	−35	−35	−32	−35	−36	−36	−37	−33.2	−28	−37	9
14	−36	−36	−37	−36	−35	−38	−38	−36	−36	−39	−37	−36	−37	−35	−34	−34	−36	−39	−38	−36	−34	−36	−37	−41	−36.5	−32	−41	9
15	−41	−41	−43	−44	−46	−47	−48	−48	−46	−45	−46	−46	−48	−49	−48	−45	−39	−38	−41	−43	−46	−48	−46	−46	−44.9	−38	−49	11
16	−45	−45	−43	−41	−41	−42	−45	−44	−42	−43	−41	−41	−40	−38	−34	−33	−33	−33	−32	−32	−34	−33	−33	−31	−38.3	−31	−46	15
17	−31	−31	−28	−29	−31	−37	−36	−30	−29	−28	−27	−26	−25	−24	−25	−32	−36	−37	−38	−39	−39	−39	−38	−38	−32.2	−24	−40	16
18	−38	−39	−40	−40	−43	−43	−43	−44	−45	−48	−49	−48	−46	−46	−46	−41	−36	−33	−31	−30	−28	−27	−23	−22	−38.7	−22	−49	27
19	−20	−19	−19	−19	−17	−17	−17	−16	−15	−14	−13	−12	−12	−12	−12	−11	−11	−11	−11	−11	−13	−13	−13	−12	−14.2	−11	−22	11
20	−12	−12	−13	−14	−19	−18	−16	−23	−26	−26	−27	−29	−32	−35	−35	−35	−35	−33	−31	−29	−28	−25	−24	−26	−25.1	−12	−35	23
21	−27	−30	−32	−33	−34	−37	−40	−41	−39	−37	−33	−19	−18	−17	−17	−18	−16	−16	−15	−16	−17	−21	−20	−18	−25.4	−15	−42	27
22	−18	−15	−17	−13	−15	−17	−17	−19	−19	−17	−15	−13	−12	−10	−6	−11	−14	−16	−16	−17	−17	−18	−15	−17	−15.2	−6	−19	13
23	−16	−15	−13	−13	−12	−14	−15	−15	−15	−15	−14	−14	−15	−15	−14	−13	−13	−13	−14	−14	−13	−12	−10	−9	−13.6	−9	−17	8
24	−12	−14	−14	−15	−17	−16	−14	−12	−11	−11	−4	−5	−4	−5	−7	−13	−9	−9	−10	−12	−16	−16	−16	−16	−11.6	−2	−17	15
25	−18	−18	−18	−19	−19	−18	−14	−16	−17	−17	−17	−15	−14	−16	−12	−10	−8	−8	−4	−2	−1	−1	−2	−4	−12.0	0	−20	20
26	−4	−4	−2	2	1	1	3	5	−7	−5	−9	−14	−17	−21	−23	−26	−28	−29	−31	−32	−34	−36	−37	−38	−16.0	5	−38	43
27	−39	−39	−41	−41	−41	−43	−43	−43	−45	−45	−45	−41	−38	−34	−31	−34	−34	−33	−31	−27	−24	−19	−10	−15	−35.1	−15	−45	30
28	−12	−8	−5	−4	2	2	−3	2	3	−1	−1	−2	−4	−3	−2	−1	−3	−6	−3	0	0	1	−2	−3	−2.5	3	−15	18
29	−3	−5	−4	−4	−5	−6	−10	−7	−8	−8	−6	−5	−3	−3	−9	−12	−9	−7	−4	−3	−4	−6	−10	−12	−6.4	−3	−14	11
30	−9	−9	−9	−9	−11	−16	−23	−27	−30	−32	−33	−33	−32	−29	−31	−29	−28	−30	−30	−29	−29	−29	−30	−30	−24.9	−9	−33	24
31	−31	−34	−36	−36	−36	−36	−35	−34	−34	−33	−34	−34	−33	−32	−31	−32	−32	−31	−30	−29	−29	−28	−28	−28	−32.3	−27	−36	9
Mean	−21.6	−21.3	−21.7	−21.4	−21.9	−22.9	−23.2	−23.2	−23.5	−23.8	−23.6	−22.9	−22.9	−22.7	−22.4	−23.1	−22.9	−23.2	−22.9	−22.4	−22.9	−23.0	−22.5	−22.6	−22.7	−13.1	−32.0	18.9

JUNE 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−33	−33	−34	−33	−30	−30	−28	−26	−25	−25	−25	−24	−25	−28	−30	−29	−23	−22	−23	−24	−23	−23	−24	−24	−26.8	−22	−34	12
2	−23	−23	−22	−22	−21	−21	−22	−22	−24	−26	−26	−26	−26	−26	−27	−28	−28	−29	−29	−31	−32	−35	−39	−40	−27.0	−21	−40	19
3	−43	−43	−43	−43	−46	−47	−48	−50	−52	−54	−55	−56	−57	−56	−56	−56	−56	−56	−57	−55	−56	−55	−54	−54	−52.0	−40	−57	17
4	−54	−45	−44	−40	−37	−37	−35	−19	−21	−23	−22	−23	−26	−30	−30	−30	−29	−30	−31	−30	−28	−27	−29	−30	−31.2	−19	−55	36
5	−30	−29	−27	−30	−31	−32	−32	−34	−37	−39	−40	−44	−45	−47	−49	−48	−44	−42	−45	−41	−37	−32	−23	−10	−36.2	−10	−49	39
6	−7	−4	0	4	5	6	9	12	13	13	16	13	−2	5	−5	−8	−12	−14	−15	−17	−19	−18	−18	−19	−2.6	16	−19	35
7	−20	−21	−21	−22	−23	−22	−22	−25	−26	−26	−23	−23	−20	−18	−18	−9	−4	2	15	13	11	9	6	2	−11.9	15	−26	41
8	3	3	5	5	−1	−4	−6	−3	−8	−10	−13	−14	−13	−9	−12	−10	−4	−9	−11	−11	−10	−9	−10	−9	−6.7	5	−15	20
9	−8	−8	−7	−8	−5	−5	−5	−1	0	1	2	2	0	2	4	4	8	6	5	3	3	5	5	6	0.4	8	−10	18
10	6	6	6	8	8	8	8	7	6	6	7	7	6	5	5	5	6	6	5	3	2	3	5	5	5.8	8	2	6
11	−1	0	2	5	8	10	11	10	10	8	9	10	8	10	10	9	9	9	9	9	10	8	7	4	7.7	11	−1	12
12	4	3	1	−1	−2	−2	−3	−2	−5	−9	−10	−10	−10	−11	−13	−14	−15	−17	−19	−19	−20	−20	−20	−20	−9.7	4	−21	25
13	−22	−24	−25	−24	−23	−22	−21	−17	−14	−15	−14	−9	−5	−4	−4	−4	−3	−4	−4	−3	−3	−3	−3	−4	−11.4	−2	−25	23
14	−4	−5	−5	−5	−5	−5	−5	−4	−5	−5	−5	−5	−3	−3	−3	−3	−4	−5	−5	−5	−6	−5	−5	−5	−4.6	−3	−6	3
15	−5	−5	−5	−5	−7	−8	−9	−8	−8	−8	−8	−9	−10	−10	−13	−16	−22	−26	−29	−32	−33	−35	−37	−38	−16.1	−5	−38	33
16	−39	−39	−40	−40	−41	−42	−43	−42	−43	−43	−43	−42	−40	−40	−39	−37	−35	−32	−30	−28	−28	−16	−16	−10	−35.3	−10	−43	33
17	−8	−4	−5	−4	−3	−2	0	3	2	1	6	3	12	10	10	11	11	10	9	8	7	6	7	5	4.0	12	−10	22
18	5	6	3	3	4	6	1	4	4	5	5	6	5	5	6	7	7	6	9	10	10	11	9	8	6.0	12	1	11
19	11	10	11	11	12	15	15	14	13	13	13	12	11	10	9	9	9	9	9	9	9	8	8	9	10.8	15	8	7
20	8	6	4	2	3	4	3	2	2	1	2	3	5	5	5	5	6	8	9	9	9	9	6	6	5.1	9	1	8
21	7	8	7	6	6	4	1	−1	0	−3	−1	1	0	1	1	1	1	0	−1	−2	−7	−10	−12	−13	−0.2	8	−13	21
22	−14	−11	−11	−12	−10	−10	−12	−10	−10	−10	−9	−7	−5	−3	−2	−3	−3	−4	−3	−2	−3	−3	−3	−3	−6.8	−1	−14	13
23	−4	−4	−2	−2	−1	−1	−2	−3	−4	−3	−4	−4	−5	−6	−6	−5	−4	−5	−7	−11	−12	−14	−16	−16	−5.9	−1	−16	15
24	−13	−11	−10	−8	−7	−6	−5	−6	−5	−4	−3	0	0	0	1	2	3	3	5	5	5	4	4	3	−1.8	5	−16	21
25	2	0	0	−1	0	1	2	7	8	8	9	9	9	8	8	6	6	6	7	8	8	7	7	7	5.5	9	−1	10
26	8	1	−6	−7	−6	−7	−13	−16	−6	−8	−3	−2	−5	−5	−5	−5	−5	−10	−10	−8	−10	−12	−15	−19	−7.2	8	−19	27
27	−21	−20	−20	−19	−16	−10	−8	−6	−8	−12	−16	−16	−12	−10	−9	−9	−9	−9	−10	−9	−9	−9	−9	−9	−11.9	−6	−23	17
28	−9	−9	−9	−10	−9	−9	−8	−8	−7	−8	−7	−7	−8	−7	−7	−7	−7	−7	−7	−6	−7	−7	−7	−7	−7.7	−6	−10	4
29	−7	−7	−6	−7	−8	−9	−9	−10	−10	−10	−11	−14	−17	−20	−23	−25	−25	−24	−25	−26	−25	−25	−25	−27	−16.5	−6	−27	21
30	−31	−34	−36	−36	−37	−37	−38	−38	−37	−36	−35	−33	−31	−31	−31	−31	−30	−30	−30	−28	−27	−27	−27	−26	−32.4	−26	−38	12
Mean	−11.4	−11.2	−11.3	−11.2	−10.8	−10.5	−10.8	−9.7	−9.9	−10.7	−10.1	−10.1	−10.3	−10.1	−10.8	−10.6	−9.9	−10.3	−10.3	−10.4	−10.7	−10.5	−10.9	−10.9	−10.6	−1.1	−20.5	19.4

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

JULY 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−30	−33	−36	−40	−41	−44	−45	−48	−48	−49	−50	−51	−52	−54	−54	−54	−55	−56	−57	−57	−58	−60	−60	−58	−49.6	−26	−60	34
2	−57	−56	−54	−53	−52	−53	−52	−54	−53	−55	−57	−57	−57	−58	−60	−61	−62	−63	−62	−64	−64	−63	−62	−62	−58.0	−51	−64	13
3	−62	−64	−63	−62	−62	−60	−58	−52	−46	−43	−49	−46	−47	−48	−55	−55	−57	−58	−58	−56	−55	−55	−56	−57	−55.2	−43	−64	21
4	−59	−59	−60	−60	−59	−61	−61	−60	−58	−58	−58	−58	−55	−49	−51	−56	−57	−58	−58	−58	−57	−55	−58	−55	−57.4	−49	−61	12
5	−54	−57	−59	−61	−57	−57	−57	−58	−59	−59	−56	−57	−55	−54	−36	−20	−17	−14	−13	−10	−9	−9	−8	−9	−39.4	−8	−61	53
6	−10	−13	−20	−23	−27	−29	−32	−35	−38	−40	−42	−44	−45	−46	−47	−48	−47	−46	−46	−45	−45	−45	−47	−50	−37.9	−9	−50	41
7	−52	−53	−53	−49	−45	−38	−26	−24	−27	−30	−29	−38	−39	−41	−43	−43	−48	−48	−47	−47	−47	−45	−46	−45	−41.8	−24	−54	30
8	−44	−44	−49	−52	−54	−55	−57	−59	−60	−61	−62	−62	−63	−63	−63	−62	−63	−63	−60	−62	−59	−56	−60	−62	−58.1	−44	−64	20
9	−59	−60	−56	−63	−62	−62	−62	−64	−66	−66	−65	−64	−65	−66	−66	−68	−70	−70	−70	−70	−70	−69	−66	−65	−65.2	−56	−71	15
10	−62	−57	−54	−55	−60	−59	−59	−58	−60	−60	−62	−64	−64	−65	−67	−66	−67	−66	−65	−66	−56	−57	−55	−52	−60.7	−52	−67	15
11	−51	−51	−53	−51	−51	−53	−51	−50	−57	−63	−64	−64	−63	−62	−62	−63	−63	−62	−62	−57	−56	−55	−54	−54	−57.2	−49	−64	15
12	−52	−51	−50	−50	−50	−49	−47	−47	−46	−46	−46	−47	−49	−49	−49	−49	−49	−51	−55	−57	−58	−59	−60	−62	−51.2	−46	−62	16
13	−64	−64	−65	−66	−64	−65	−67	−66	−66	−66	−65	−65	−65	−65	−66	−65	−60	−54	−53	−53	−54	−54	−53	−48	−61.4	−48	−67	19
14	−29	−29	−29	−30	−29	−29	−31	−37	−42	−44	−44	−46	−46	−49	−51	−49	−51	−51	−50	−48	−47	−47	−46	−47	−41.7	−28	−51	23
15	−45	−47	−46	−44	−37	−37	−40	−27	−25	−31	−34	−35	−30	−24	−24	−28	−31	−36	−36	−39	−38	−42	−42	−41	−35.8	−22	−47	25
16	−44	−45	−44	−41	−42	−40	−41	−41	−41	−41	−42	−44	−43	−42	−44	−43	−44	−44	−45	−43	−45	−43	−44	−45	−43.0	−40	−46	6
17	−46	−44	−46	−48	−45	−46	−45	−46	−47	−48	−50	−51	−51	−52	−52	−52	−53	−55	−56	−56	−56	−53	−55	−54	−50.3	−43	−56	13
18	−56	−52	−49	−48	−48	−49	−48	−44	−37	−34	−29	−27	−26	−25	−25	−23	−23	−24	−26	−32	−36	−35	−34	−37	−36.1	−23	−56	33
19	−40	−39	−39	−39	−40	−43	−42	−40	−37	−32	−26	−24	−22	−20	−18	−18	−20	−22	−24	−24	−27	−28	−27	−29	−30.0	−17	−43	26
20	−30	−28	−26	−26	−24	−21	−16	−10	−3	2	1	0	0	1	0	1	−6	−7	−8	−10	−12	−20	−26	−27	−12.3	2	−31	33
21	−31	−31	−34	−35	−37	−38	−39	−38	−38	−38	−40	−39	−37	−32	−29	−28	−29	−29	−30	−30	−32	−33	−36	−38	−34.2	−27	−40	13
22	−39	−40	−43	−42	−38	−38	−38	−38	−39	−39	−39	−39	−40	−38	−36	−34	−34	−34	−34	−33	−33	−32	−31	−31	−36.7	−31	−44	13
23	−30	−30	−30	−31	−32	−32	−32	−33	−33	−32	−33	−34	−34	−35	−37	−37	−33	−34	−39	−39	−43	−44	−46	−47	−35.4	−30	−47	17
24	−48	−46	−48	−51	−52	−53	−53	−54	−54	−54	−53	−55	−56	−56	−57	−59	−59	−56	−55	−44	−38	−30	−27	−24	−49.2	−24	−59	35
25	−28	−28	−28	−27	−34	−38	−43	−46	−49	−50	−50	−50	−48	−48	−49	−49	−46	−53	−56	−60	−61	−64	−66	−68	−46.6	−23	−68	45
26	−68	−69	−68	−69	−67	−67	−66	−66	−68	−68	−67	−65	−65	−66	−65	−65	−65	−65	−65	−65	−65	−64	−63	−63	−66.0	−63	−69	6
27	−61	−61	−60	−59	−58	−57	−57	−54	−53	−53	−52	−56	−60	−66	−68	−66	−63	−63	−61	−61	−62	−63	−63	−64	−60.0	−49	−68	19
28	−65	−65	−67	−68	−68	−69	−69	−69	−70	−71	−71	−72	−72	−71	−72	−72	−72	−72	−72	−72	−71	−72	−71	−70	−70.1	−64	−72	8
29	−68	−67	−68	−68	−65	−63	−59	−55	−51	−48	−45	−43	−44	−42	−37	−38	−42	−42	−45	−48	−49	−49	−46	−43	−51.0	−37	−70	33
30	−20	−16	−14	−10	−7	−7	−6	−8	−8	−7	−7	−22	−30	−34	−35	−36	−37	−37	−38	−36	−36	−36	−34	−29	−22.9	−5	−43	38
31	−19	−18	−15	−15	−15	−17	−16	−15	−13	−11	−11	−10	−8	−8	−7	−4	−1	9	10	10	10	11	10	10	−5.5	11	−29	40
Mean	−45.2	−45.7	−46.0	−46.3	−45.9	−46.1	−45.6	−45.0	−44.9	−45.0	−45.1	−46.1	−46.2	−46.0	−46.0	−45.5	−45.9	−45.9	−46.3	−46.2	−46.1	−46.0	−46.2	−46.0	−45.8	−32.8	−56.4	23.6

AUGUST 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	5	5	9	7	11	11	10	11	11	11	11	11	11	10	10	10	11	13	13	14	15	15	13	12	10.8	15	4	11
2	12	12	11	11	9	8	4	3	5	6	8	9	10	12	11	11	10	11	11	12	12	13	13	13	9.9	13	3	10
3	0	−4	−7	−7	−7	−7	−9	−12	−12	−16	−15	−16	−18	−20	−22	−22	−23	−26	−29	−33	−35	−35	−37	−36	−18.7	13	−37	50
4	−36	−36	−32	−28	−28	−28	−29	−31	−30	−28	−24	−20	−20	−22	−24	−24	−21	−20	−20	−18	−19	−21	−24	−24	−25.3	−18	−37	19
5	−24	−24	−24	−24	−24	−24	−23	−21	−19	−17	−12	−8	−14	−14	−12	−12	−12	−11	−13	−14	−16	−18	−17	−17	−17.2	−8	−24	16
6	−17	−22	−26	−28	−30	−30	−31	−32	−28	−27	−21	−19	−16	−15	−14	−11	−11	−16	−20	−20	−21	−20	−17	−16	−21.2	−11	−32	21
7	−18	−17	−15	−14	−13	−13	−13	−11	−14	−14	−12	−16	−16	−15	−15	−19	−19	−24	−27	−25	−26	−28	−29	−30	−18.5	−11	−30	19
8	−31	−31	−31	−31	−32	−33	−35	−36	−36	−39	−40	−41	−39	−41	−43	−44	−45	−46	−46	−44	−43	−43	−43	−42	−39.0	−30	−46	16
9	−41	−39	−37	−37	−38	−39	−38	−38	−37	−37	−37	−38	−38	−39	−39	−39	−41	−43	−45	−45	−44	−45	−47	−46	−40.3	−37	−47	10
10	−45	−45	−45	−51	−52	−54	−55	−56	−56	−57	−58	−59	−60	−59	−60	−60	−57	−51	−46	−40	−36	−33	−30	−27	−49.7	−27	−60	33
11	−21	−16	−16	−15	−14	−12	−10	−7	−7	−7	−7	−7	−7	−7	−7	−6	−7	−8	−8	−8	−10	−15	−21	−24	−11.1	−6	−27	21
12	−28	−28	−28	−27	−26	−23	−22	−23	−23	−24	−27	−33	−36	−41	−42	−45	−46	−47	−48	−48	−48	−49	−47	−47	−35.7	−22	−49	27
13	−47	−47	−47	−45	−45	−44	−43	−44	−45	−44	−44	−44	−49	−51	−51	−53	−56	−58	−58	−58	−59	−60	−61	−62	−50.6	−43	−62	19
14	−62	−63	−64	−60	−59	−53	−45	−42	−35	−15	−17	−18	−21	−20	−21	−20	−20	−22	−29	−40	−37	−33	−32	−30	−35.7	−15	−64	49
15	−29	−30	−32	−33	−27	−21	−23	−25	−33	−34	−33	−33	−34	−36	−39	−40	−38	−35	−33	−32	−34	−33	−31	−28	−31.9	−21	−41	20
16	−18	−13	−8	−6	−4	−3	−2	5	6	6	7	3	3	−1	−3	−4	−4	−4	−4	−4	−6	−7	−5	−4	−2.9	7	−28	35
17	−5	−5	−6	−6	−5	−6	−7	−8	−7	−7	−9	−10	−10	−16	−17	−17	−16	−15	−8	−5	6	9	12	14	−6.0	14	−17	31
18	16	16	15	13	9	5	2	−1	−2	−4	−5	−4	−3	−7	−8	−15	−17	−18	−16	−13	−13	−13	−9	−6	−3.2	16	−18	34
19	−1	2	4	7	8	11	17	12	14	14	13	12	10	6	6	3	2	1	−2	−3	−2	−5	−6	−8	4.8	17	−8	25
20	−6	−9	−3	−4	−13	−13	−11	−15	−15	−18	−22	−20	−18	−17	−14	−13	−13	−10	−9	−10	−16	−17	−18	−19	−13.5	−1	−22	21
21	−21	−22	−18	−24	−22	−16	−18	−20	−21	−23	−24	−25	−25	−26	−26	−26	−25	−22	−20	−19	−18	−18	−23	−24	−21.9	−16	−26	10
22	−24	−25	−24	−27	−33	−34	−35	−34	−37	−39	−37	−37	−38	−37	−38	−39	−39	−37	−35	−33	−33	−34	−32	−32	−33.9	−24	−39	15
23	−36	−38	−40	−42	−43	−43	−45	−46	−46	−47	−48	−49	−50	−51	−51	−51	−52	−54	−53	−52	−53	−55	−54	−54	−48.0	−32	−55	23
24	−52	−50	−55	−53	−54	−51	−51	−53	−50	−49	−48	−50	−51	−53	−54	−56	−56	−56	−57	−56	−55	−55	−53	−51	−52.9	−48	−57	9
25	−50	−51	−52	−50	−51	−51	−50	−48	−49	−49	−50	−51	−52	−52	−53	−54	−55	−55	−56	−55	−56	−54	−53	−53	−52.1	−48	−56	8
26	−49	−52	−47	−50	−50	−52	−55	−56	−56	−56	−55	−55	−56	−57	−56	−56	−56	−59	−60	−60	−61	−61	−61	−61	−55.7	−47	−61	14
27	−61	−61	−60	−60	−60	−60	−60	−60	−59	−58	−57	−57	−57	−57	−57	−56	−56	−56	−55	−56	−57	−56	−56	−55	−57.8	−55	−61	6
28	−53	−52	−52	−50	−47	−45	−44	−49	−49	−48	−50	−48	−51	−45	−42	−39	−39	−40	−40	−39	−37	−36	−35	−33	−44.3	−33	−55	22
29	−32	−31	−31	−30	−27	−25	−19	−25	−24	−14	−14	−13	−14	−9	−9	−10	−9	−10	−11	−11	−13	−17	−19	−22	−18.3	−9	−33	24
30	−22	−24	−25	−27	−27	−28	−27	−27	−27	−28	−30	−31	−31	−32	−30	−32	−34	−35	−38	−37	−38	−39	−38	−38	−31.0	−22	−40	18
31	−41	−46	−50	−51	−53	−54	−55	−56	−56	−56	−58	−58	−59	−60	−61	−61	−62	−62	−63	−63	−64	−64	−65	−66	−57.7	−38	−66	28
Mean	−27.0	−27.3	−27.0	−27.2	−27.3	−26.7	−26.5	−27.2	−27.0	−26.4	−26.3	−26.6	−27.4	−28.1	−28.4	−29.0	−29.2	−29.5	−29.8	−29.5	−29.6	−29.9	−29.8	−29.5	−28.0	−17.0	−38.4	21.4

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

SEPTEMBER 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−65	−66	−66	−66	−66	−66	−65	−63	−61	−62	−61	−63	−62	−64	−63	−63	−63	−64	−64	−65	−65	−65	−66	−63	−64.0	−61	−66	5
2	−61	−61	−60	−58	−57	−55	−53	−52	−50	−49	−48	−46	−45	−43	−43	−41	−40	−40	−38	−38	−37	−38	−39	−39	−47.1	−37	−63	26
3	−41	−42	−43	−44	−46	−46	−47	−44	−43	−44	−43	−40	−40	−39	−42	−43	−42	−41	−42	−43	−44	−45	−44	−46	−43.1	−38	−48	10
4	−46	−48	−50	−50	−51	−51	−52	−52	−53	−53	−53	−53	−53	−52	−53	−53	−53	−52	−52	−48	−45	−46	−48	−51	−50.7	−45	−54	9
5	−52	−49	−44	−42	−40	−37	−36	−35	−34	−33	−29	−32	−30	−26	−22	−11	−17	−17	−19	−20	−25	−29	−31	−31	−30.9	−11	−52	41
6	−30	−29	−31	−31	−30	−30	−37	−41	−44	−47	−48	−49	−51	−53	−53	−55	−55	−52	−50	−53	−54	−55	−54	−53	−45.2	−29	−55	26
7	−53	−54	−53	−54	−52	−53	−53	−54	−54	−54	−55	−55	−55	−53	−55	−56	−56	−56	−54	−55	−50	−47	−44	−42	−52.8	−42	−57	15
8	−42	−44	−41	−39	−39	−38	−42	−40	−37	−36	−42	−46	−49	−54	−58	−60	−61	−61	−61	−61	−61	−61	−61	−60	−49.7	−36	−62	26
9	−61	−61	−61	−63	−63	−64	−62	−61	−58	−56	−55	−58	−57	−54	−59	−60	−61	−61	−60	−58	−59	−56	−54	−53	−59.0	−53	−64	11
10	−52	−52	−54	−57	−59	−59	−59	−58	−57	−56	−52	−53	−53	−53	−54	−55	−54	−54	−54	−53	−55	−55	−56	−55	−55.0	−48	−60	12
11	−55	−55	−54	−53	−54	−57	−59	−59	−56	−58	−59	−60	−63	−65	−65	−66	−65	−65	−66	−67	−68	−66	−67	−67	−61.2	−53	−68	15
12	−68	−67	−68	−66	−61	−62	−60	−61	−62	−61	−61	−61	−60	−59	−59	−59	−60	−61	−61	−61	−60	−62	−63	−61	−61.8	−57	−68	11
13	−61	−60	−57	−55	−55	−56	−54	−51	−46	−44	−45	−42	−41	−38	−35	−36	−32	−33	−35	−35	−35	−40	−43	−45	−44.7	−32	−61	29
14	−48	−49	−48	−49	−51	−52	−53	−52	−52	−52	−51	−50	−51	−49	−51	−54	−54	−55	−54	−54	−56	−57	−57	−57	−52.3	−45	−57	12
15	−58	−53	−55	−53	−50	−47	−48	−48	−49	−47	−48	−48	−48	−47	−46	−46	−45	−46	−46	−45	−45	−43	−41	−40	−47.6	−40	−58	18
16	−39	−41	−41	−40	−39	−38	−39	−40	−42	−43	−43	−44	−46	−46	−45	−44	−44	−44	−43	−42	−42	−42	−41	−41	−42.0	−38	−46	8
17	−40	−40	−42	−43	−43	−43	−41	−38	−36	−35	−34	−35	−34	−34	−35	−32	−31	−30	−30	−34	−31	−24	−19	−11	−34.0	−11	−43	32
18	−8	−7	−8	−8	−3	−2	−3	−5	−5	−6	−5	−5	−10	−14	−17	−19	−20	−21	−22	−23	−24	−24	−26	−27	−13.0	−2	−27	25
19	−29	−28	−28	−26	−25	−28	−29	−27	−26	−29	−28	−28	−28	−29	−30	−32	−32	−33	−35	−36	−37	−38	−38	−39	−30.7	−25	−39	14
20	−39	−38	−39	−41	−40	−39	−41	−41	−38	−37	−36	−36	−36	−35	−34	−33	−32	−30	−28	−26	−25	−25	−25	−26	−34.2	−25	−42	17
21	−25	−25	−24	−22	−22	−21	−21	−22	−22	−21	−21	−21	−21	−21	−21	−20	−19	−16	−16	−18	−19	−20	−21	−21	−20.8	−14	−26	12
22	−22	−23	−23	−25	−26	−26	−35	−37	−39	−40	−40	−40	−39	−39	−36	−33	−35	−38	−40	−41	−40	−40	−43	−44	−35.2	−21	−44	23
23	−45	−46	−49	−48	−42	−45	−41	−41	−41	−41	−43	−44	−45	−46	−47	−45	−43	−43	−42	−40	−39	−39	−36	−26	−42.4	−26	−50	24
24	−24	−24	−29	−30	−32	−34	−33	−29	−25	−30	−32	−31	−31	−32	−36	−38	−36	−36	−35	−35	−37	−40	−43	−44	−33.2	−23	−44	21
25	−45	−47	−50	−50	−50	−48	−46	−42	−40	−39	−37	−34	−32	−32	−33	−35	−36	−35	−33	−33	−33	−33	−37	−37	−39.0	−32	−51	19
26	−43	−45	−48	−49	−49	−49	−45	−45	−46	−45	−43	−41	−41	−40	−41	−42	−42	−46	−42	−41	−46	−46	−46	−47	−44.5	−37	−49	12
27	−47	−48	−50	−50	−50	−50	−45	−45	−45	−44	−44	−43	−41	−41	−41	−42	−46	−48	−50	−52	−54	−55	−55	−57	−47.6	−41	−57	16
28	−57	−58	−60	−60	−59	−59	−58	−57	−55	−54	−52	−49	−48	−50	−51	−52	−54	−55	−56	−57	−58	−58	−59	−60	−55.7	−48	−60	12
29	−61	−61	−62	−62	−61	−61	−58	−54	−54	−52	−52	−51	−51	−51	−52	−53	−54	−55	−57	−57	−60	−60	−61	−61	−56.7	−50	−62	12
30	−62	−62	−63	−62	−59	−56	−50	−47	−45	−41	−36	−33	−16	−15	−15	−14	−14	−14	−13	−14	−13	−13	−12	−19	−32.8	−12	−63	51
Mean	−46.0	−46.1	−46.7	46.5	−45.8	−45.7	−45.5	−44.7	−43.8	−43.6	−43.2	−43.0	−42.6	−42.5	−43.1	−43.1	−43.2	−43.4	−43.3	−43.5	−43.9	−44.1	−44.3	−44.1	−44.2	−34.4	−53.2	18.8

OCTOBER 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−20	−21	−21	−21	−20	−19	−19	−18	−17	−17	−15	−14	−13	−13	−13	−13	−14	−13	−14	−14	−14	−14	−14	−15	−16.1	−13	−21	8
2	−16	−16	−19	−19	−21	−24	−28	−30	−33	−35	−35	−35	−35	−36	−37	−37	−39	−41	−43	−42	−37	−36	−36	−38	−32.0	−15	−43	28
3	−38	−39	−37	−35	−33	−29	−28	−28	−30	−31	−34	−35	−36	−39	−42	−43	−43	−46	−48	−48	−48	−47	−47	−45	−38.7	−28	−48	20
4	−47	−46	−47	−46	−47	−46	−46	−45	−45	−44	−43	−43	−43	−42	−41	−43	−48	−51	−53	−52	−52	−53	−51	−51	−46.9	−40	−55	15
5	−49	−49	−45	−45	−43	−41	−40	−37	−36	−33	−31	−31	−30	−30	−30	−27	−27	−28	−27	−26	−27	−26	−26	−25	−33.7	−22	−51	29
6	−23	−22	−23	−23	−24	−25	−26	−27	−28	−28	−28	−26	−25	−24	−30	−32	−34	−36	−38	−40	−40	−40	−41	−42	−30.2	−22	−42	20
7	−43	−44	−44	−43	−41	−38	−32	−24	−21	−19	−16	−14	−13	−12	−11	−10	−16	−15	−12	−11	−11	−10	−11	−11	−21.7	−9	−44	35
8	−11	−11	−10	−10	−9	−8	−7	−6	−6	−6	−5	−5	−4	−5	−4	−5	−7	−9	−9	−8	−8	−9	−9	−9	−7.5	−4	−12	8
9	−9	−9	−10	−10	−9	−8	−7	−6	−6	−4	−4	−3	−3	−3	−5	−6	−7	−15	−18	−16	−22	−25	−27	−30	−10.9	−3	−30	27
10	−33	−38	−39	−40	−40	−41	−40	−40	−39	−39	−37	−36	−35	−35	−37	−37	−40	−41	−41	−42	−42	−44	−46	−47	−39.5	−30	−47	17
11	−46	−42	−39	−34	−29	−25	−22	−21	−21	−23	−30	−32	−34	−32	−35	−37	−39	−40	−42	−40	−38	−37	−37	−40	−34.0	−21	−47	26
12	−43	−45	−45	−45	−44	−43	−42	−38	−32	−27	−25	−21	−19	−13	−14	−14	−18	−23	−27	−34	−34	−34	−37	−38	−31.5	−13	−45	32
13	−40	−42	−45	−45	−45	−39	−37	−31	−28	−27	−27	−25	−27	−27	−29	−29	−31	−32	−36	−36	−38	−40	−43	−44	−35.1	−23	−45	22
14	−46	−43	−46	−46	−43	−43	−40	−35	−33	−30	−29	−27	−26	−26	−23	−24	−22	−20	−17	−9	−8	−9	−8	−7	−27.5	−7	−47	40
15	−10	−10	−10	−10	−10	−10.	−10	−11	−11	−10	−11	−13	−12	−14	−14	−15	−18	−20	−22	−20	−22	−24	−26	−28	−15.0	−7	−29	22
16	−29	−28	−29	−27	−29	−27	−25	−23	−21	−22	−20	−21	−19	−19	−20	−22	−23	−22	−24	−26	−24	−22	−19	−15	−23.2	−15	−32	17
17	−14	−13	−11	−10	−9	−7	−6	−4	−3	−2	−1	−1	1	1	2	3	3	1	2	2	3	4	1	−8	−2.7	4	−15	19
18	−11	−14	2	1	0	−1	0	2	1	2	−8	−10	−9	−8	−8	−7	−7	−7	−6	−6	−6	−5	−6	−6	−4.9	2	−14	16
19	−5	−5	−3	−2	−2	−1	0	0	2	2	3	4	5	5	5	5	5	4	4	3	3	3	2	3	1.7	5	−6	11
20	3	2	3	3	4	4	5	7	6	7	7	6	7	7	7	6	6	5	4	3	1	0	−1	−4	4.1	7	−4	11
21	−4	−4	−3	1	3	0	1	1	8	9	9	10	8	7	6	4	1	−5	−12	−16	−18	−22	−23	−25	−2.7	10	−25	35
22	−24	−24	−24	−21	−17	−8	−4	−4	−7	−8	−8	−9	−8	−8	−8	−8	−9	−11	−14	−17	−18	−19	−20	−24	−13.4	−3	−25	22
23	−25	−28	−28	−19	−15	−13	−13	−11	−8	−7	−7	−6	−6	−5	−5	−5	−5	−8	−10	−12	−15	−17	−17	−18	−12.6	−5	−29	24
24	−19	−18	−18	−16	−16	−16	−16	−16	−16	−15	−14	−13	−12	−11	−9	−9	−9	−9	−9	−10	−13	−12	−13	−13	−13.4	−8	−20	12
25	−17	−19	−19	−18	−14	−15	−14	−16	−17	−17	−15	−13	−10	−13	−12	−13	−16	−17	−19	−19	−23	−26	−27	−28	−17.4	−10	−28	18
26	−29	−28	−26	−29	−25	−24	−22	−24	−23	−20	−18	−17	−15	−14	−15	−15	−14	−17	−19	−20	−22	−23	−24	−23	−21.1	−14	−29	15
27	−23	−21	−19	−18	−16	−16	−16	−14	−12	−11	−10	−10	−10	−10	−10	−10	−8	−7	−7	−7	−7	−6	−7	−9	−11.8	−6	−23	17
28	−11	−12	−14	−14	−12	−10	−7	−5	−2	−1	−1	0	−4	−6	−5	−9	−9	−10	−11	−8	−10	−15	−15	−13	−8.5	1	−15	16
29	−14	−13	−16	−15	−12	−11	−9	−10	−9	−8	−6	−5	−7	−2	−2	−6	−8	−7	−9	−11	−17	−16	−13	−12	−9.9	−2	−19	17
30	−9	−7	−6	−6	−2	−1	−1	1	0	3	3	5	1	1	1	0	1	1	1	2	4	8	7	2	0.4	8	−12	20
31	2	3	3	3	4	5	6	8	9	9	9	9	11	11	12	13	9	7	7	7	9	8	5	6	7.3	13	2	11
Mean	−22.7	−22.8	−22.2	−21.3	−19.9	−18.7	−17.6	−16.3	−15.4	−14.6	−14.4	−13.9	−13.6	−13.4	−13.7	−14.3	−15.7	−17.2	−18.5	−18.5	−19.2	−19.6	−20.3	−21.2	−17.7	−8.6	−29.2	20.6

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

NOVEMBER 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	6	6	5	6	7	7	7	9	8	8	8	9	10	8	6	6	6	4	4	−1	−4	−5	−5	−4	4.7	11	−5	16
2	−4	−3	−3	−2	0	0	−1	0	−1	0	1	2	2	2	2	2	1	1	1	1	1	1	1	1	0.2	2	−5	7
3	1	1	1	1	2	1	2	2	3	3	4	4	5	3	3	3	2	1	0	2	1	−1	0	0	1.8	5	−1	6
4	1	3	7	8	7	8	7	9	10	11	10	10	8	6	4	4	2	2	2	1	0	0	−3	−5	4.8	12	−5	17
5	−3	−3	−3	−1	−1	−1	−1	−1	0	1	1	1	1	1	1	0	0	0	−3	−7	−5	−7	−4	−3	−1.5	2	−7	9
6	−4	−4	−4	−5	−7	−8	−4	−2	−2	0	1	0	0	1	1	1	0	−1	−2	−3	−5	−5	−7	−7	−2.7	1	−8	9
7	−8	−7	−7	−7	−6	−5	−6	−4	5	0	6	5	0	1	0	0	4	4	3	3	2	1	0	−1	−0.7	7	−8	15
8	0	−1	0	3	4	3	3	3	5	6	6	5	2	2	2	4	1	0	−1	−2	−3	−3	−3	−5	1.3	6	−5	11
9	−2	−2	0	0	2	1	3	5	8	7	9	9	9	5	6	4	1	−3	2	−1	−3	−5	−4	−6	1.9	11	−6	17
10	−8	−6	−5	−6	−5	−5	−4	−3	−2	−1	0	0	1	2	3	3	−1	−4	−6	−4	−8	−12	−16	−17	−4.3	4	−17	21
11	−13	−13	−13	−14	−12	−9	−4	−3	−4	−3	−2	1	1	1	0	−1	−3	−6	−4	−8	−10	−16	−16	−18	−7.0	6	−17	23
12	−14	−14	−16	−14	−10	−9	−4	−2	−1	−1	−1	0	−1	−2	−3	−3	−2	−2	−3	−3	−3	−3	−4	−5	−5.0	0	−18	18
13	−6	−9	−8	−10	−8	−6	2	0	1	1	−4	−3	−2	−2	−1	1	−7	−9	−12	−14	−16	−17	−18	−19	−6.9	3	−19	22
14	−17	−14	−13	−11	−10	−8	−6	−4	−1	2	3	3	3	5	5	4	3	5	2	2	0	−3	−8	−10	−2.8	6	−19	25
15	−7	−4	−3	−1	−2	0	0	0	1	2	3	5	5	7	4	3	4	1	−4	−3	−6	−9	−9	−8	−0.9	7	−10	17
16	−10	−11	−7	−7	−4	−1	0	3	6	8	10	11	11	10	10	9	8	7	6	7	7	7	5	5	3.7	12	−11	23
17	3	4	6	7	6	1	3	5	8	10	11	12	11	9	9	7	5	2	−1	−2	−3	−3	−6	−6	4.1	12	−6	18
18	−7	−10	−7	−4	−4	−4	−2	0	1	4	6	9	7	5	3	3	2	1	−2	−2	−2	−6	−9	−12	−1.2	9	−12	21
19	−13	−14	−11	−11	−10	−6	−6	−5	−5	−2	1	1	4	8	0	−1	−2	−2	−1	−2	−5	−7	−8	−11	−4.5	8	−14	22
20	−11	−10	−10	−9	−9	−8	−7	−5	−3	−2	−2	1	3	10	5	9	5	3	2	−5	1	1	2	3	−1.5	10	−11	21
21	3	4	2	1	−2	−5	−7	−8	−8	−7	−4	−3	−1	−1	0	0	−2	−2	−1	−2	−2	−1	−2	−3	−2.1	4	−8	12
22	−3	−4	−5	−6	−4	−2	3	3	6	9	7	7	10	11	11	12	11	12	12	11	8	6	7	8	5.4	12	−6	18
23	7	4	4	4	5	6	8	7	9	10	11	14	17	19	18	17	16	9	5	2	−3	−7	−7	−2	7.2	19	−7	26
24	−1	1	2	3	5	4	5	6	8	10	12	11	11	11	12	11	12	11	11	11	9	7	6	8	7.7	13	−2	15
25	8	9	10	13	16	15	15	16	17	17	19	22	23	20	13	9	9	9	8	7	7	5	5	5	12.4	23	4	19
26	5	4	4	4	5	4	5	6	6	7	7	6	7	7	6	6	5	5	4	5	3	−1	−2	−4	4.3	7	−4	11
27	−5	−5	−3	−1	0	2	2	4	3	3	3	3	3	2	3	4	5	6	5	5	3	3	5	3	2.2	6	−6	12
28	3	3	3	3	4	5	7	9	11	12	13	14	14	14	12	12	10	9	9	9	5	4	4	1	7.9	15	0	15
29	1	2	5	7	7	9	9	13	16	13	15	16	14	15	18	15	16	15	14	14	12	10	9	5	11.2	18	0	18
30	6	6	7	7	8	9	10	11	11	14	14	15	16	16	16	17	14	13	11	11	8	7	7	7	10.9	18	5	13
Mean	−3.1	−2.9	−2.1	−1.4	−0.5	−0.1	1.3	2.5	3.9	4.7	5.6	6.3	6.5	6.5	5.6	5.4	4.2	3.0	2.0	1.1	−0.4	−2.0	−2.7	−3.3	1.7	9.0	−7.6	16.6

DECEMBER 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	4	4	5	5	6	8	6	7	10	10	11	12	13	15	15	12	10	13	13	13	10	7	5	3	9.0	17	2	15
2	2	0	3	2	2	1	3	5	6	7	8	10	12	12	13	15	14	11	10	9	7	4	2	1	6.6	15	−1	16
3	2	0	2	3	2	0	1	2	2	4	6	7	9	10	10	11	10	9	10	10	10	10	9	9	6.2	11	−1	12
4	12	14	14	15	14	15	16	18	18	19	19	22	24	26	25	24	22	21	20	19	16	15	12	11	18.0	27	9	18
5	10	11	10	10	13	13	12	15	15	16	18	18	20	20	19	18	19	20	21	20	19	16	14	14	15.9	22	10	12
6	12	14	16	13	13	15	15	15	16	17	18	20	21	22	22	25	25	24	22	18	12	12	12	10	17.0	26	11	15
7	9	7	12	10	9	12	12	12	13	13	15	16	17	18	18	18	17	20	18	17	11	12	8	8	13.4	22	6	16
8	4	6	7	8	9	10	12	14	13	14	16	17	18	19	20	24	24	14	11	7	6	4	4	3	11.8	25	2	23
9	4	4	4	4	6	6	10	14	14	17	15	13	16	17	16	16	17	15	13	11	8	7	5	5	10.7	17	3	14
10	6	5	6	9	8	11	12	13	14	15	15	15	15	16	15	15	16	16	15	16	15	15	15	15	13.0	16	3	13
11	15	16	15	15	16	17	17	16	18	17	19	18	17	18	17	17	17	17	15	17	16	14	13	12	16.2	19	11	8
12	9	8	9	12	14	17	18	17	17	19	20	23	25	28	25	26	28	25	23	23	22	23	22	22	19.8	29	8	21
13	22	22	20	20	18	20	20	21	22	21	22	21	21	20	20	20	21	21	21	22	18	17	16	15	20.0	23	15	8
14	14	14	15	13	14	13	16	18	16	15	16	16	15	14	12	12	11	11	11	11	13	9	7	5	13.0	20	5	15
15	8	11	12	12	16	16	14	17	18	18	18	19	19	23	22	22	21	22	22	23	20	18	16	16	17.6	24	6	18
16	15	15	16	16	16	18	19	19	18	20	20	20	20	23	23	23	23	23	21	20	20	19	18	15	19.2	24	15	9
17	15	14	14	15	16	18	19	19	21	24	26	27	22	19	18	18	17	17	17	17	17	17	17	17	18.4	27	14	13
18	18	18	17	18	18	18	20	21	22	23	23	24	25	25	25	26	26	26	26	26	25	25	24	24	22.6	26	17	9
19	23	24	24	25	24	25	25	25	26	26	28	30	30	28	28	27	27	26	25	24	24	22	20	20	25.2	30	19	11
20	20	20	23	23	23	24	24	24	24	27	29	29	30	26	26	26	26	26	25	24	23	23	23	21	24.5	30	19	11
21	21	21	21	21	23	24	27	27	25	29	29	32	31	31	30	29	29	28	29	28	27	27	26	25	26.7	32	21	11
22	24	24	25	26	27	27	27	27	27	28	28	30	29	30	28	27	27	27	27	27	27	27	27	27	27.1	30	24	6
23	27	27	27	27	28	28	29	30	29	29	29	29	30	30	29	30	30	30	29	29	28	28	29	29	28.7	30	26	4
24	29	29	28	28	28	29	29	30	30	30	31	31	31	31	31	31	30	30	29	28	28	27	27	27	29.2	31	27	4
25	27	27	28	28	29	29	31	30	30	30	31	31	30	29	29	28	28	28	28	28	28	29	29	28	28.9	31	27	4
26	28	27	27	28	28	28	29	30	31	31	31	31	31	31	32	30	30	29	26	25	25	21	18	16	27.6	33	16	17
27	16	15	15	17	18	20	19	18	20	22	24	28	27	25	25	25	24	33	33	26	20	18	18	17	21.8	33	15	18
28	16	17	19	21	24	27	29	32	34	33	28	26	26	26	26	25	25	24	24	23	22	22	20	20	24.5	35	16	19
29	20	20	20	21	23	25	28	30	28	25	27	31	29	32	29	28	28	26	24	19	16	16	17	16	24.1	32	15	17
30	15	17	17	18	19	19	24	26	26	25	25	25	26	27	27	27	27	24	18	16	12	12	16	15	21.0	27	12	15
31	14	15	16	17	15	17	18	21	23	24	24	24	24	24	22	23	23	21	20	22	22	20	20	17	20.2	25	13	12
Mean	14.9	15.0	15.7	16.1	16.7	17.7	18.7	19.8	20.2	20.9	21.6	22.4	22.7	23.1	22.5	22.5	22.3	21.8	20.8	19.9	18.3	17.3	16.4	15.6	19.3	25.5	12.4	13.1

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TABLE 31.—*Temperatures—hourly values, Little America*—Continued

JANUARY 1930

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	17	18	18	21	21	26	24	24	25	25	25	25	26	28	27	26	27	29	29	32	24	23	22	23	24.4	32	16	16
2	22	18	20	21	22	23	26	27	28	28	29	29	29	30	29	29	30	30	30	30	30	29	26	23	26.6	31	16	15
3	20	15	14	16	18	20	21	23	25	27	28	30	31	30	30	30	28	28	28	27	27	26	25	24	24.6	31	14	17
4	25	24	24	23	24	25	26	26	27	27	27	27	27	28	27	26	26	26	26	25	25	24	22	22	25.4	28	22	6
5	22	22	22	23	24	24	24	24	24	23	23	24	24	25	25	25	25	24	24	24	23	23	23	24	23.7	25	22	3
6	24	24	23	23	24	26	27	28	28	28	29	28	28	28	28	28	28	28	27	28	26	26	25	24	26.5	28	23	5
7	23	24	25	25	26	26	27	27	27	26	27	28	29	30	31	32	31	31	31	30	31	31	31	30	28.3	32	23	9
8	29	29	29	30	30	31	32	30	31	31	32	33	33	33	33	32	32	32	32	31	31	31	31	31	31.2	33	29	4
9	29	29	30	30	31	31	31	32	31	32	30	30	31	30	30	30	30	30	29	29	28	29	28	28	29.9	31	28	3
10	27	26	27	28	28	29	29	30	31	31	30	30	30	30	29	29	29	29	27	28	27	27	28	28	28.6	31	26	5
11	28	28	29	29	29	29	29	29	29	30	30	30	30	31	30	29	29	28	27	27	26	26	26	25	28.5	31	25	6
12	24	25	25	25	25	26	26	27	29	30	31	32	32	31	30	30	29	30	29	29	27	26	26	26	27.9	33	24	9
13	27	23	22	23	24	25	27	27	27	27	27	28	28	28	28	27	28	30	22	27	21	20	20	21	25.3	30	18	12
14	19	16	18	20	21	21	22	23	23	24	25	25	25	25	25	24	24	24	24	24	24	24	24	23	22.8	25	16	9
15	22	21	22	22	22	22	23	24	24	24	26	26	25	25	25	26	25	25	25	24	26	21	19	18	23.4	26	17	9
16	18	20	21	21	21	20	21	21	21	21	21	21	23	23	23	23	23	24	23	22	22	22	21	19	21.5	24	17	7
17	19	20	21	22	21	22	22	23	24	24	24	23	24	23	23	21	21	21	20	21	16	19	20	20	21.4	24	16	8
18	20	19	19	20	21	19	19	20	19	19	20	20	20	20	20	19	20	19	19	18	17	14	13	15	18.7	21	13	8
19	17	18	19	22	23	21	21	22	19	18	17	16	16	16	15	14	14	13	13	14	14	13	13	11	16.6	23	11	12
20	9	9	10	12	13	14	14	14	15	14	16	17	18	19	17	15	17	17	16	15	14	10	9	9	13.9	20	9	11
21	12	13	11	13	15	16	14	15	16	17	17	17	17	19	16	15	14	13	13	14	12	10	8	10	14.0	19	8	11
22	11	10	12	13	14	16	17	18	19	19	19	20	21	21	22	21	20	19	17	16	17	15	12	10	16.6	22	10	12
23	11	9	9	12	13	14	13	13	13	14	14	15	15	14	13	12	11	9	10	11	9	5	5	6	11.2	15	5	10
24	9	9	10	10	11	11	12	12	12	13	13	13	12	12	12	13	10	9	9	9	7	5	3	1	9.9	13	1	12
25	3	1	4	5	8	8	10	10	10	6	7	7	9	8	9	8	7	6	5	4	2	0	−1	−5	5.5	13	−5	18
26	−6	−5	−4	−3	0	2	5	9	9	10	10	11	11	11	9	9	10	10	11	7	4	2	−1	−2	5.0	12	−6	18
27	−4	−5	−6	−6	−5	−1	0	0	1	3	5	7	10	11	14	11	11	9	6	5	2	4	5	7	3.5	14	−6	20
28	7	8	8	11	13	15	14	14	14	15	15	15	15	16	16	16	16	17	16	17	16	16	16	15	14.2	17	8	9
29	14	13	13	15	15	14	12	14	14	15	16	18	20	17	16	15	14	11	8	8	6	6	5	4	12.6	20	4	16
30	3	2	−2	−3	−4	−4	−3.	−2	0	0	3	5	8	10	10	11	10	10	10	8	7	2	−1	−2	3.2	12	−5	17
31	0	7	12	6	9	7	8	12	9	7	9	13	15	14	16	16	16	18	19	19	18	18	18	17	12.6	19	−3	22
Mean	16.2	15.8	16.3	17.1	18.0	18.6	19.1	19.9	20.1	20.3	20.8	21.4	22.0	22.1	21.9	21.4	21.1	20.9	20.2	20.1	18.7	17.6	16.8	16.3	19.3	23.7	12.8	10.9

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[Fahrenheit degrees. 180th meridian time]

Hour	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	15	14	8	6	7	7	7	8	8	9	9	10	10	8	7	6	5	5	4	2	2	1	1	1	6.7	18	1	17
2	0	1	3	4	6	7	5	4	5	3	3	4	6	7	8	8	9	9	8	9	9	8	7	7	5.8	9	0	9
3	4	7	5	5	6	8	11	11	12	12	16	16	16	16	14	8	9	8	8	7	9	12	13	14	10.3	16	3	13
4	17	16	14	12	12	12	13	14	14	16	17	14	15	20	8	9	10	12	11	10	10	11	11	10	12.8	20	7	13
5	12	11	12	9	9	9	12	12	12	14	15	17	16	18	18	18	16	17	13	12	11	9	7	8	12.8	18	6	12
6	7	7	6	7	8	9	9	9	10	13	13	11	11	10	13	10	6	7	7	3	2	−5	−6	−11	6.5	16	−11	27
7	−14	−11	−9	−6	−3	−2	−1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	0.6	2	−14	16
8	1	1	2	1	1	3	1	4	6	8	12	13	14	12	10	10	7	8	7	6	3	2	−3	−2	5.3	14	−3	17
9	−2	−1	−3	−2	3	4	9	11	12	13	14	15	14	10	------	------	------	------	------	9	------	------	------	------	------	------	------	------

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[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
9	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2	−3	−3	−6	−5	------	------	------	------
10	−7	−8	−8	−5	0	0	4	8	5	6	7	11	9	9	14	12	13	11	7	4	4	2	2	−3	4.0	15	−8	23
11	1	0	−2	−1	2	3	5	4	7	6	8	9	11	11	11	8	5	4	5	5	4	5	5	7	5.1	11	−3	14
12	6	3	2	2	6	10	11	13	12	12	12	12	11	11	11	10	10	9	8	5	4	2	1	0	7.6	13	0	13
13	−4	−4	−6	−8	−8	−7	−3	0	2	5	8	9	9	10	13	13	12	12	12	12	12	10	8	8	4.8	13	−8	21
14	8	9	10	9	11	12	11	11	12	12	12	13	14	15	15	16	14	11	9	8	7	6	6	6	10.7	17	6	11
15	4	2	0	−1	−2	1	4	6	6	7	7	7	8	9	7	5	4	−2	−5	−7	−10	−13	−14	−17	0.2	9	−17	26
16	−17	−17	−13	−10	−8	−9	−9	−9	−8	−7	−6	−4	−2	−2	−2	−3	−4	−6	−7	−9	−11	−14	−15	−18	−8.8	−2	−18	16
17	−18	−20	−18	−15	−13	−9	−7	−1	0	1	2	3	4	4	4	3	2	0	0	1	1	1	2	3	−2.9	4	−20	24
18	3	1	3	4	5	7	8	9	8	7	7	7	7	6	5	3	2	1	−1	−1	0	−2	−4	−6	3.3	9	−6	15
19	−6	−7	−8	−6	−5	−3	−2	−1	1	0	0	2	2	3	2	2	3	5	8	9	9	10	11	11	1.7	12	−8	20
20	10	10	10	10	9	10	10	10	11	10	10	10	10	11	11	11	11	10	7	7	6	4	4	1	8.9	11	1	10
21	2	1	1	2	4	4	5	8	9	9	9	10	11	10	10	10	9	8	7	6	6	5	4	3	6.4	11	1	10
22	2	1	4	1	−2	−2	−3	0	−2	−1	2	2	3	3	3	3	0	−4	−5	−7	−11	−15	−17	−18	−2.6	4	−18	22
23	−20	−19	−20	−17	−15	−14	−10	−11	−10	−6	−3	0	−3	−2	−3	−6	−7	−8	−11	−14	−17	−19	−21	−24	−11.7	0	−24	24
24	−25	−24	−24	−24	−21	−21	−20	−19	−18	−16	−16	−14	−14	−14	−14	−15	−16	−16	−17	−19	−21	−24	−25	−26	−19.3	−14	−26	12
25	−27	−28	−27	−26	−24	−24	−25	−24	−22	−22	−19	−17	−14	−13	−12	−11	−11	−11	−11	−11	−11	−13	−16	−17	−18.2	−11	−28	17
26	−18	−16	−12	−12	−12	−11	−10	−8	−7	−6	−6	−2	−1	1	0	1	2	2	2	1	1	1	1	1	−4.5	2	−18	20
27	−1	0	1	2	2	3	4	5	5	5	6	6	7	7	6	6	6	6	6	7	7	8	7	6	4.9	8	−1	9
28	5	5	2	1	2	3	2	6	6	7	6	9	6	3	2	1	1	0	0	−3	−4	1	1	0	2.6	9	−4	13
Mean	−5.4	−5.8	−5.5	−4.9	−3.6	−2.5	−1.3	0.4	0.9	1.5	2.4	3.8	4.1	4.3	4.4	3.6	2.9	1.7	0.7	−0.2	−1.4	−2.4	−3.3	−4.4	−0.4	6.4	−10.5	16.8

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

MARCH 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−4	−8	−3	−3	−2	3	−5	−3	−2	−2	0	0	−1	−1	−2	−1	−6	−9	−3	−4	−5	−8	−15	−17	−4.2	3	−15	18
2	−18	−20	−15	−15	−8	−5	−4	−5	−4	−3	−2	−2	−2	−4	−5	−4	−2	−1	1	6	6	6	8	11	−3.4	11	−20	31
3	13	14	14	13	14	15	16	17	18	16	14	15	16	14	11	9	7	3	−1	−3	−4	−5	−5	−4	9.0	18	−5	23
4	−8	−11	−14	−16	−17	−18	−15	−11	−11	−8	−4	−1	3	20	20	21	21	22	22	22	22	23	23	23	4.5	23	−18	41
5	23	23	24	24	25	24	24	24	25	25	25	25	24	24	24	22	20	15	15	12	10	8	9	9	20.1	25	8	17
6	9	9	8	7	7	9	8	7	10	11	14	12	8	4	2	2	0	2	−4	−6	−9	−19	−25	−29	1.4	14	−29	43
7	−30	−28	−27	−26	−28	−28	−28	−28	−25	−21	−13	−9	−5	−2	6	16	16	18	18	18	18	18	17	16	−5.7	18	−30	48
8	15	15	16	16	17	18	20	20	20	21	21	20	21	22	22	24	26	26	28	29	29	29	18	8	20.9	29	8	21
9	8	5	2	0	−1	−2	−3	−4	−5	−5	−6	−6	−6	−6	−6	−7	−7	−6	−6	−6	−6	−5	−5	−5	−3.7	8	−7	15
10	−7	−9	−13	−16	−13	−12	−7	0	1	2	5	5	6	4	2	1	0	0	−2	−7	−9	−10	−8	−6	−3.9	6	−16	22
11	−7	−6	−5	−5	−4	−2	−1	2	−1	2	4	8	9	6	6	4	4	6	6	7	8	8	9	10	2.8	10	−7	17
12	9	11	11	13	14	14	12	12	11	11	10	9	9	8	6	6	6	5	5	4	2	0	−1	−2	7.7	14	−2	16
13	−3	−5	−5	−6	−8	−8	−9	−12	−13	−13	−13	−16	−17	−17	−20	−21	−22	−23	−24	−24	−24	−25	−25	−25	−15.8	−2	−25	23
14	−25	−26	−29	−30	−29	−28	−25	−22	−18	−13	−12	−10	−10	−9	−10	−10	−11	−12	−11	−11	−10	−10	−10	−9	−16.2	−9	−30	21
15	−9	−7	−7	−6	−6	−8	−8	−8	−8	−7	−4	−3	−4	−4	−4	−3	−2	−11	−16	−22	−23	−24	−24	−19	−9.9	−1	−25	24
16	−15	−14	−13	−12	−12	−11	−12	−14	−14	−14	−13	−14	−15	−16	−18	−18	−16	−16	−19	−19	−18	−18	−22	−26	−15.8	−11	−26	15
17	−28	−30	−32	−31	−30	−32	−28	−26	−26	−29	−27	−22	−21	−19	−19	−19	−22	−25	−27	−24	−24	−20	−18	−19	−24.9	−18	−32	14
18	−20	−18	−18	−16	−15	−14	−15	−15	−13	−11	−10	−12	−14	−15	−14	−13	−13	−14	−14	−14	−15	−15	−15	−15	−14.5	−10	−20	10
19	−15	−16	−19	−21	−22	−20	−17	−15	−13	−13	−13	−13	−11	−11	−11	−12	−11	−11	−10	−9	−7	−8	−9	−10	−13.2	−7	−22	15
20	−10	−9	−9	−9	−8	−5	−5	−3	−2	0	−1	−2	−6	−9	−10	−14	−16	−15	−15	−25	−27	−30	−32	−34	−12.3	0	−34	34
21	−37	−39	−40	−41	−41	−42	−41	−38	−37	−31	−26	−24	−22	−23	−26	−28	−26	−25	−31	−33	−34	−36	−37	−37	−33.1	−20	−42	22
22	−38	−38	−39	−40	−42	−42	−42	−42	−40	−39	−37	−35	−37	−37	−37	−38	−39	−39	−42	−43	−44	−45	−47	−48	−40.4	−37	−48	11
23	−50	−50	−50	−51	−51	−51	−49	−47	−49	−47	−42	−38	−34	−32	−31	−31	−32	−33	−32	−30	−29	−28	−25	−24	−39.0	−24	−51	27
24	−23	−22	−19	−19	−16	−13	2	4	−9	−8	−7	−5	−5	−7	−7	−18	−22	−25	−27	−30	−33	−34	−33	−34	−17.1	4	−34	38
25	−34	−35	−36	−37	−38	−38	−39	−40	−40	−39	−39	−37	−37	−35	−34	−33	−33	−33	−29	−25	−24	−24	−24	−24	−33.6	−24	−40	16
26	−24	−23	−22	−21	−19	−18	−17	−16	−12	−8	3	4	6	8	−3	−7	−11	−20	−21	−29	−31	−34	−35	−36	−16.1	8	−36	44
27	−37	−37	−38	−39	−39	−40	−40	−39	−39	−40	−41	−41	−41	−41	−42	−44	−45	−47	−49	−50	−51	−51	−51	−52	−43.1	−36	−52	16
28	−52	−53	−53	−55	−55	−55	−52	−50	−50	−49	−48	−45	−43	−41	−40	−40	−39	−41	−41	−40	−41	−41	−40	−35	−45.8	−35	−55	20
29	−34	−38	−37	−36	−37	−36	−35	−33	−34	−34	−34	−34	−34	−36	−41	−44	−45	−45	−45	−45	−46	−43	−43	−42	−38.8	−32	−46	14
30	−39	−20	−19	−20	−18	−21	−18	−20	−20	−22	−21	−20	−19	−18	−15	−13	−12	−11	−16	−22	−23	−24	−25	−25	−20.0	−10	−42	32
31	−28	−30	−33	−35	−36	−36	−36	−36	−34	−33	−32	−29	−29	−29	−29	−26	−27	−28	−28	−28	−27	−22	−25	−21	−29.9	−21	−37	16
Mean	−16.7	−16.6	−16.8	−17.2	−16.7	−16.2	−15.1	−14.2	−14.0	−12.9	−11.2	−10.3	−10.0	−9.7	−10.5	−10.9	−11.6	−12.8	−13.5	−14.5	−15.1	−15.7	−16.6	−16.8	−14.0	−3.4	−26.8	23.4

APRIL 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−19	−16	−15	−16	−15	−15	−15	−15	−14	−13	−12	−12	−12	−12	−11	−12	−12	−12	−10	−10	−9	−8	−7	−4	−12.3	−4	−21	17
2	−2	−1	−1	0	0	1	−8	−18	−25	−28	−30	−32	−34	−35	−37	−37	−37	−36	−33	−31	−27	−24	−22	−19	−21.5	3	−37	40
3	−16	−14	−13	−7	−7	−3	0	2	6	13	16	19	20	22	20	20	21	22	22	22	21	21	20	17	10.2	23	−19	42
4	15	12	11	8	6	5	7	6	6	7	8	8	10	9	8	9	8	7	7	4	3	0	2	−6	6.7	17	−6	23
5	−5	−1	0	0	2	3	−2	−2	2	−2	−3	−2	−2	−2	−5	−5	−5	−3	−3	−3	−2	−2	−7	−9	−2.4	5	−9	14
6	−9	−8	−7	−6	−11	−11	−10	−6	−4	−2	−1	−1	0	0	1	2	1	0	−2	−1	1	1	0	0	−3.0	2	−12	14
7	−2	−2	−2	−3	−2	−2	−2	−1	−1	−1	0	2	1	0	−2	−2	−4	−5	6	−5	−5	−6	−5	−4	−2.4	2	−6	8
8	−4	−6	−6	−6	−6	−5	−7	−6	−6	−6	−6	−5	−7	−9	−10	−10	−13	−14	−16	−18	−17	−18	−17	−16	−9.7	−4	−18	14
9	−17	−16	−15	−14	−14	−14	−16	−18	−18	−17	−16	−13	−11	−11	−10	−10	−10	−15	−20	−21	−16	−11	−11	−10	−14.3	−8	−22	14
10	−9	−8	−8	−8	−7	−9	−10	−11	−10	−9	−9	−9	−8	−8	−9	−10	−11	−12	−16	−15	−17	−18	−19	−19	−11.2	−8	−19	11
11	−18	−18	−20	−23	−26	−26	−25	−25	−24	−23	−22	−21	−20	−20	−20	−21	−22	−18	−13	−15	−15	−15	−15	−17	−20.1	−12	−27	15
12	−18	−18	−18	−17	−18	−19	−20	−23	−24	−25	−25	−27	−28	−30	−31	−32	−33	−34	−35	−35	−36	−37	−38	−38	−27.4	−17	−38	21
13	−38	−39	−39	−41	−42	−42	−41	−43	−43	−43	−44	−44	−42	−40	−37	−37	−31	−27	−26	−25	−25	−26	−22	−23	−35.8	−22	−45	23
14	−26	−28	−30	−31	−31	−32	−34	−35	−40	−38	−37	−37	−37	−35	−36	−35	−34	−32	−32	−33	−31	−33	−33	−26	−33.2	−25	−40	15
15	−26	−26	−27	−29	−27	−25	−23	−22	−21	−20	−17	−16	−16	−16	−16	−16	−16	−17	−17	−25	−29	−30	−27	−23	−22.0	−15	−31	16
16	−29	−29	−23	−28	−27	−26	−21	−25	−26	−24	−17	−17	−16	−16	−16	−18	−16	−17	−17	−16	−16	−23	−25	−27	−21.4	−15	−29	14
17	−27	−28	−29	−31	−31	−34	−34	−35	−39	−40	−41	−41	−42	−43	−43	−44	−45	−45	−46	−46	−46	−46	−46	−47	−39.5	−27	−47	20
18	−47	−47	−47	−47	−47	−48	−48	−48	−49	−48	−47	−46	−47	−48	−49	−50	−50	−50	−50	−51	−51	−52	−53	−53	−48.9	−46	−53	7
19	−53	−52	−52	−51	−51	−51	−49	−47	−43	−41	−39	−37	−36	−34	−32	−30	−29	−25	−23	−22	−21	−17	−15	−14	−36.0	−14	−53	39
20	−13	−12	−14	−15	−15	−16	−15	−13	−15	−13	−10	−7	−8	−5	−2	−1	−9	−10	−13	−14	−14	−14	−13	−13	−11.4	−1	−16	15
21	−13	−13	−15	−16	−15	−14	−13	−11	−13	−11	−12	−14	−13	−15	−16	−17	−17	−17	−19	−19	−19	−24	−23	−23	−15.9	−11	−24	13
22	−23	−22	−21	−21	−23	−23	−22	−21	−21	−21	−20	−19	−19	−20	−20	−21	−24	−28	−34	−35	−38	−38	−33	−23	−24.6	−19	−38	19
23	−22	−17	−16	−14	−14	−13	−11	−10	−8	−6	−5	−4	−4	0	0	3	5	6	6	5	5	5	4	5	−4.2	6	−23	29
24	5	5	5	5	5	5	5	5	6	6	5	5	4	4	4	4	3	2	1	1	1	−1	1	0	3.6	6	1	7
25	1	2	−4	−1	0	0	−2	−2	−2	−1	0	1	2	1	0	0	−1	0	−1	−2	−5	−5	−9	−10	−1.6	2	−10	12
26	−9	−8	−8	−7	−8	−9	−10	−12	−13	−12	−11	−10	−9	−12	−13	−16	−18	−19	−18	−17	−17	−19	−27	−28	−13.7	−8	−28	20
27	−29	−30	−32	−32	−30	−29	−27	−24	−24	−23	−22	−22	−22	−23	−26	−23	−21	−19	−14	−9	−9	−12	−13	−14	−22.0	−9	−32	23
28	−10	−10	−10	−10	−30	−10	−10	−10	−8	−7	−5	−4	−4	−4	−6	−7	−7	−3	−10	−14	−17	−17	−14	−18	−9.4	−4	−18	14
29	−17	−15	−11	−9	−11	−11	−8	−7	−6	−5	−5	−4	−2	−1	0	0	−4	−8	−8	−7	−5	−7	−12	−15	−7.4	0	−19	19
30	1	1	0	2	−2	−5	−3	−1	−10	−20	−23	−25	−26	−26	−27	−30	−33	−33	−33	−32	−33	−34	−37	−39	−19.7	2	−39	41
Mean	−16.0	−15.5	−15.6	−15.7	−15.9	−15.9	−15.8	−15.9	−16.2	−15.8	−15.0	−14.5	−14.3	−14.3	−14.7	−14.9	−15.5	−15.4	−16.0	−16.3	−16.3	−17.0	−17.2	−17.2	−15.7	−6.7	−26.0	19.3

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

MAY 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−39	−40	−38	−39	−36	−40	−42	−40	−39	−31	−25	−23	−24	−27	−30	−27	−27	−29	−31	−34	−35	−38	−39	−41	−33.9	−23	−43	20
2	−42	−44	−45	−47	−48	−48	−49	−46	−45	−44	−44	−45	−46	−45	−45	−44	−42	−40	−38	−36	−34	−33	−31	−31	−42.2	−31	−49	18
3	−30	−27	−25	−25	−24	−24	−24	−27	−28	−29	−30	−31	−31	−32	−33	−34	−35	−36	−37	−39	−40	−41	−42	−44	−32.0	−23	−44	21
4	−45	−46	−47	−48	−47	−45	−44	−43	−43	−42	−41	−40	−44	−45	−46	−48	−47	−46	−46	−43	−44	−45	−45	−43	−44.7	−27	−48	21
5	−43	−44	−43	−43	−44	−45	−44	−40	−40	−41	−41	−42	−43	−42	−42	−40	−40	−38	−39	−39	−42	−42	−42	−41	−41.7	−37	−45	8
6	−41	−42	−41	−42	−41	−38	−36	−35	−35	−35	−35	−36	−36	−35	−34	−34	−31	−30	−28	−27	−28	−28	−27	−27	−34.2	−26	−42	16
7	−28	−28	−29	−28	−26	−24	−23	−24	−25	−26	−28	−29	−30	−31	−32	−33	−33	−33	−31	−31	−31	−35	−37	−35	−29.6	−23	−37	14
8	−34	−37	−37	−39	−39	−39	−38	−38	−38	−38	−40	−41	−41	−41	−43	−44	−43	−44	−44	−44	−45	−45	−45	−44	−40.9	−34	−45	11
9	−44	−43	−44	−43	−42	−40	−40	−38	−37	−35	−35	−36	−35	−32	−34	−34	−38	−40	−40	−42	−44	−44	−45	−46	−39.7	−32	−46	14
10	−48	−49	−50	−51	−52	−51	−52	−53	−50	−50	−50	−48	−47	−46	−45	−43	−42	−40	−40	−39	−34	−31	−30	−27	−44.5	−27	−53	26
11	−21	−13	−11	−10	−8	−8	−8	−8	−7	−6	−5	−6	−6	−7	−7	−7	−7	−6	−6	−5	−4	−4	−5	−5	−7.5	−4	−21	17
12	−4	−10	−13	−16	−18	−17	−21	−20	−19	−15	−16	−16	−19	−22	−21	−27	−28	−29	−27	−23	−21	−22	−20	−20	−19.3	−4	−29	25
13	−21	−23	−21	−20	−13	−13	−15	−16	−13	−9	−10	−8	−8	−9	−11	−10	−14	−7	−6	−6	−3	−2	−1	−1	−10.8	−1	−23	22
14	0	0	0	0	1	1	2	0	−1	−4	−4	−4	−11	−13	−14	−16	−17	−19	−21	−23	−24	−25	−25	−24	−10.8	2	−25	27
15	−25	−26	−27	−28	−29	−30	−31	−37	−36	−36	−32	−31	−31	−30	−29	−28	−27	−26	−25	−24	−25	−25	−26	−24	−28.7	−24	−37	13
16	−24	−24	−23	−22	−21	−21	−20	−20	−19	−17	−17	−15	−14	−13	−13	−13	−13	−13	−13	−12	−12	−12	−12	−13	−16.5	−12	−24	12
17	−12	−13	−11	−11	−12	−11	−11	−11	−10	−9	−9	−9	−9	−9	−8	−8	−8	−7	−9	−8	−9	−10	−11	−11	−9.8	−7	−13	6
18	−14	−14	−14	−15	−14	−14	−13	−13	−14	−16	−17	−22	−24	−25	−29	−33	−36	−39	−40	−42	−43	−43	−44	−44	−25.9	−11	−44	33
19	−44	−44	−45	−45	−46	−47	−49	−53	−55	−55	−56	−56	−55	−55	−55	−54	−55	−56	−54	−55	−56	−56	−57	−57	−52.5	−44	−57	13
20	−54	−55	−57	−58	−59	−60	−60	−60	−61	−60	−60	−59	−59	−58	−59	−60	−60	−62	−58	−53	−51	−55	−56	−57	−58.0	−51	−62	11
21	−56	−52	−56	−56	−54	−52	−49	−42	−40	−35	−34	−37	−38	−37	−36	−33	−31	−27	−28	−28	−28	−22	−18	−14	−37.6	−14	−56	42
22	−12	−9	−5	−4	−4	−5	−2	2	7	14	16	17	17	17	14	13	13	8	5	1	−1	−1	−2	−2	4.0	17	−14	31
23	−5	−6	−6	−6	−6	−7	−8	−11	−13	−13	−13	−11	−10	−6	−5	−4	−1	3	6	7	7	8	9	9	−3.4	9	−13	22
24	10	11	12	12	16	16	16	17	17	18	18	18	19	20	25	23	25	24	18	17	16	13	16	18	17.3	25	9	16
25	18	18	18	17	16	17	18	20	21	15	9	5	3	2	0	0	−1	−1	−3	−3	0	5	10	11	9.0	21	−3	24
26	12	11	11	13	11	8	10	10	9	8	9	10	10	9	10	10	10	10	9	8	4	3	5	7	9.0	13	3	10
27	9	11	14	12	10	12	6	8	6	6	6	5	3	3	4	5	4	4	4	3	2	1	1	1	5.8	14	1	13
28	3	4	5	6	5	3	1	2	2	4	6	7	5	5	1	1	0	−4	−6	−4	−6	−7	−7	−5	0.9	7	−8	15
29	−3	−6	−9	−9	−7	−11	−7	−3	−3	−2	1	2	------	------	------	------	------	------	------	6	------	------	------	7	------	------	------	------
30	8	3	5	9	10	11	13	14	15	15	15	15	16	19	20	19	19	19	19	20	20	18	17	16	14.8	20	3	17
31	17	16	16	16	16	16	16	15	15	13	11	3	0	7	8	8	7	5	3	8	9	10	8	8	10.4	17	0	17
Mean	−19.7	−20.0	−19.9	−20.0	−19.5	−19.5	−19.5	−19.0	−18.7	−17.9	−17.8	−18.2	−19.6	−19.3	−19.6	−19.8	−19.9	−20.0	−20.2	−19.7	−20.1	−20.3	−20.0	−19.4	−19.4	−10.3	−28.8	18.5

JUNE 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	10	12	14	6	7	9	7	8	8	9	10	11	12	12	10	10	11	11	10	9	8	4	8	12	9.5	14	4	10
2	11	10	9	9	6	4	2	−2	−2	−4	−5	−9	−11	−12	−11	−7	−3	0	0	1	2	13	13	14	1.2	14	−13	27
3	16	17	20	20	20	19	18	19	18	19	18	15	15	16	17	17	18	19	22	24	23	23	22	22	19.0	24	14	10
4	22	20	21	23	24	25	23	24	24	24	23	22	20	19	18	18	16	15	18	20	16	17	18	20	20.4	25	14	11
5	21	20	21	22	22	23	21	19	20	16	12	10	8	9	8	8	5	2	0	−1	13	8	10	8	12.7	24	−1	25
6	4	−3	−6	−7	−10	−13	−14	−16	−16	−16	−14	−14	−15	−16	−18	−18	−18	−18	−20	−19	−19	−18	−20	−20	−14.3	0	−20	20
7	−20	−21	−22	−22	−23	−23	−23	−23	−25	−26	−28	−29	−30	−32	−33	−34	−35	−37	−31	−35	−32	−30	−30	−33	−28.2	−19	−37	18
8	−30	−23	−24	−24	−21	−19	−17	−13	−11	−8	−6	−4	−1	−2	1	4	4	6	5	7	7	7	3	0	−6.6	7	−33	40
9	−3	−2	−3	−5	0	−2	0	−7	−6	−5	−8	−10	−7	−6	−5	−5	−3	−1	−1	0	1	2	2	2	−3.0	3	−10	13
10	3	5	6	7	5	2	3	6	7	6	7	10	11	13	15	12	10	9	7	8	9	9	9	9	7.8	15	−1	16
11	10	10	6	5	1	−2	−1	1	5	5	4	1	−1	−1	−4	−4	−4	−4	4	−8	−10	−13	−16	−18	−1.4	10	−18	28
12	−21	−23	−23	−25	−25	−26	−26	−22	−24	−24	−25	−23	−25	−24	−25	−26	−27	−27	−27	−27	−27	−27	−26	−27	−25.1	−18	−28	10
13	−28	−30	−33	−34	−32	−30	−29	−27	−25	−24	−21	−19	−17	−14	−16	−16	−16	−17	−18	−17	−15	−15	−15	−16	−21.8	−15	−34	19
14	−16	−15	−15	−15	−14	−15	−14	−13	−11	−8	−5	9	9	11	20	18	17	17	15	15	17	18	18	18	2.5	21	−16	37
15	16	14	13	8	7	7	10	11	11	11	10	4	3	−2	−6	−2	−2	−3	−2	−2	−4	2	0	3	4.5	18	−6	24
16	6	10	12	10	6	5	5	6	6	6	5	4	3	2	1	1	1	−1	−2	−2	−2	−3	−3	−3	3.0	13	−3	16
17	−3	−4	−4	−6	−8	−9	−10	−9	−12	−12	−15	−16	−16	−22	−25	−26	−27	−28	−27	−29	−29	−28	−29	−31	−17.7	−3	−31	28
18	−31	−31	−31	−32	−34	−34	−33	−31	−30	−30	−30	−34	−33	−33	−30	−31	−28	−27	−27	−28	−29	−31	−32	−35	−31.0	−27	−35	8
19	−38	−39	−37	−39	−38	−33	−31	−28	−25	−22	−17	−12	−10	−8	−9	−8	−11	−9	−10	−11	−12	−11	−9	−8	−19.8	−8	−39	31
20	−9	−9	−12	−18	−18	−16	−15	−12	−9	−6	−6	−4	−4	−6	−9	−11	−11	−11	−12	−14	−14	−13	−14	−14	−11.1	−4	−20	16
21	−17	−19	−19	−18	−18	−20	−21	−21	−22	−22	−24	−26	−26	−25	−25	−25	−25	−29	−30	−32	−33	−35	−36	−37	−25.2	−14	−37	23
22	−37	−36	−37	−37	−37	−36	−35	−33	−32	−33	−34	−35	−36	−36	−37	−37	−37	−36	−36	−35	−34	−33	−32	−30	−35.0	−30	−38	8
23	−29	−27	−25	−23	−22	−20	−19	−18	−18	−16	−12	−10	−14	−21	−23	−26	−27	−19	−15	−13	−17	−15	−20	−23	−19.7	−10	−30	20
24	−26	−28	−31	−32	−32	−34	−34	−31	−26	−24	−23	−23	−21	−20	−18	−16	−17	−18	−19	−19	−24	−17	−14	−13	−23.3	−12	−35	23
25	−14	−17	−17	−16	−13	−18	−16	−16	−12	−12	−10	−10	−14	−17	−19	−20	−21	−22	−22	−21	−20	−19	−17	−18	−16.7	−10	−22	12
26	−17	−18	−17	−16	−17	−17	−15	−15	−16	−16	−16	−17	−17	−17	−17	−17	−17	−17	−17	−20	−21	−22	−25	−26	−17.9	−15	−26	11
27	−29	−32	−33	−34	−35	−35	−35	−35	−36	−36	−36	−37	−37	−38	−40	−40	−41	−41	−42	−42	−42	−41	−40	−41	−37.4	−26	−42	16
28	−42	−43	−44	−44	−45	−46	−47	−49	−49	−50	−50	−50	−50	−50	−51	−51	−51	−51	−51	−52	−52	−52	−52	−52	−48.9	−41	−53	12
29	−52	−52	−52	−52	−52	−50	−49	−48	−49	−50	−50	−50	−50	−50	−50	−48	−46	−45	−44	−43	−47	−49	−49	−49	−49.0	−43	−53	10
30	−47	−46	−45	−42	−40	−37	−37	−35	−36	−37	−36	−37	−36	−37	−39	−39	−36	−34	−33	−33	−31	−34	−34	−34	−37.3	−31	−49	18
Mean	−13.0	−13.3	−13.6	−14.4	−14.5	−14.7	−14.4	−13.7	−13.1	−12.8	−12.7	−12.8	−13.0	−13.6	−14.0	−14.0	−14.0	−13.9	−13.5	−14.0	−13.9	−13.4	−13.7	−14.0	−13.7	−4.6	−23.3	18.7

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

JULY 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−37	−40	−41	−43	−43	−44	−48	−46	−46	−45	−43	−41	−39	−38	−36	−36	−36	−36	−38	−39	−38	−38	−42	−44	−40.7	−35	−49	14
2	−44	−46	−49	−50	−53	−55	−58	−60	−60	−61	−61	−61	−60	−58	−58	−53	−51	−51	−49	−48	−48	−48	−48	−47	−53.2	−44	−61	17
3	−50	−51	−51	−51	−52	−53	−54	−54	−55	−56	−57	−58	−58	−59	−58	−58	−57	−52	−49	−50	−53	−52	−48	−43	−53.3	−43	−59	16
4	−41	−38	−35	−33	−34	−35	−33	−33	−33	−32	−32	−13	−14	−14	−14	−15	−14	−14	−16	−17	−18	−20	−22	−21	−24.6	−13	−43	30
5	−21	−21	−20	−18	−16	−12	−11	−10	−13	−15	−15	−13	−12	−13	−12	−12	−12	−15	−15	−15	−20	−20	−23	−28	−15.9	−10	−28	18
6	−28	−28	−26	−25	−26	−28	−26	−24	−24	−28	−31	−37	−39	−41	−44	−46	−48	−49	−49	−50	−51	−52	−53	−53	−37.8	−24	−53	29
7	−53	−53	−52	−51	−49	−47	−48	−49	−50	−50	−50	−51	−52	−52	−52	−52	−52	−53	−53	−51	−51	−51	−52	−52	−51.1	−47	−54	7
8	−53	−54	−55	−55	−55	−56	−57	−56	−56	−57	−57	−57	−59	−55	−51	−46	−42	−39	−38	−36	−35	−35	−34	−34	−48.8	−34	−59	25
9	−34	−35	−37	−39	−38	−22	−32	−29	−34	−33	−31	−30	−28	−25	−17	−17	−18	−21	−27	−28	−28	−30	−32	−36	−29.2	−16	−40	24
10	−38	−42	−43	−44	−44	−44	−44	−46	−46	−46	−47	−46	−46	−46	−47	−46	−45	−45	−44	−46	−46	−47	−48	−48	−45.2	−36	−48	12
11	−47	−46	−45	−46	−46	−48	−49	−51	−52	−53	−54	−53	−49	−49	−49	−49	−47	−46	−47	−47	−47	−47	−47	−48	−48.4	−45	−54	9
12	−47	−47	−49	−50	−52	−52	−54	−52	−53	−52	−51	−50	−50	−50	−50	−51	−54	−54	−54	−53	−53	−53	−53	−54	−51.6	−47	−54	7
13	−54	−55	−55	−55	−55	−56	−55	−55	−54	−55	−55	−52	−54	−56	−55	−57	−58	−59	−61	−62	−62	−63	−62	−61	−56.9	−52	−63	11
14	−60	−58	−57	−55	−54	−53	−52	−51	−56	−52	−54	−53	−53	−24	−22	−19	−18	−22	−22	−20	−20	−23	−23	−25	−39.4	−18	−61	43
15	−24	−22	−20	−18	−17	−24	−29	−32	−39	−39	−39	−38	−38	−37	−36	−34	−33	−31	−32	−32	−32	−32	−32	−33	−31.0	−17	−40	23
16	−33	−34	−35	−36	−35	−34	−33	−35	−36	−36	−35	−38	−38	−37	−38	−38	−39	−39	−39	−40	−40	−40	−41	−40	−37.0	−33	−41	8
17	−40	−40	−40	−41	−43	−41	−43	−44	−49	−53	−55	−50	−46	−44	−37	−37	−32	−27	−23	−22	−24	−18	−19	−21	−37.0	−18	−55	37
18	−21	−25	−28	−31	−37	−42	−43	−44	−43	−42	−43	−43	−44	−47	−49	−50	−52	−53	−55	−55	−57	−59	−58	−54	−44.8	−21	−59	38
19	−51	−49	−48	−48	−48	−47	−45	−43	−38	−32	−31	−30	−27	−24	−24	−22	−17	−18	−17	−16	−16	−16	−17	−17	−30.9	−16	−53	37
20	−17	−15	−14	−27	−34	−36	−35	−35	−38	−43	−44	−51	−51	−46	−42	−39	−39	−46	−36	−36	−34	−30	−39	−40	−36.1	−14	−52	38
21	−44	−49	−53	−58	−65	−67	−67	−67	−66	−67	−67	−68	−69	−70	−70	−71	−70	−70	−70	−70	−69	−68	−67	−65	−65.3	−40	−71	31
22	−63	−60	−58	−55	−52	−49	−45	−43	−41	−38	−36	−34	−31	−28	−27	−27	−26	−26	−26	−26	−25	−24	−30	−32	−37.6	−24	−65	41
23	−39	−41	−44	−46	−49	−50	−52	−53	−54	−54	−56	−58	−58	−59	−58	−58	−59	−58	−54	−54	−54	−51	−43	−39	−51.7	−32	−60	28
24	−39	−38	−39	−37	−32	−35	−34	−30	−28	−26	−23	−20	−19	−17	−15	−13	−11	−7	−6	−7	−8	−9	−9	−11	−21.4	−6	−39	33
25	−11	−10	−10	−10	−11	−12	−11	−9	−7	−8	−8	−8	−8	−7	−7	−7	−10	−11	−9	−4	−3	−1	0	1	−7.5	1	−12	13
26	2	3	3	4	4	5	7	7	6	5	6	6	7	8	7	8	10	10	12	13	13	14	15	15	7.9	15	1	14
27	17	17	18	20	21	22	23	22	22	22	21	21	21	21	22	23	21	19	18	17	16	10	5	1	18.3	23	1	22
28	−1	−4	−6	−9	−12	−13	−16	−20	−24	−27	−31	−32	−33	−36	−38	−37	−36	−39	−40	−41	−43	−39	−39	−41	−27.4	1	−43	44
29	−44	−42	−42	−41	−40	−42	−46	−46	−50	−50	−51	−52	−52	−54	−54	−54	−54	−54	−53	−54	−54	−55	−56	−56	−49.8	−40	−56	16
30	−56	−57	−58	−58	−58	−57	−58	−57	−56	−56	−54	−53	−53	−53	−53	−54	−54	−52	−52	−50	−52	−54	−56	−57	−54.9	−50	−58	8
31	−58	−58	−58	−58	−59	−59	−59	−59	−60	−59	−59	−57	−50	−57	−45	−44	−42	−39	−37	−36	−36	−34	−32	−32	−49.0	−32	−60	28
Mean	−36.4	−36.7	−37.0	−37.5	−38.2	−38.2	−38.9	−38.8	−39.8	−39.9	−40.1	−39.4	−38.8	−37.3	−36.4	−35.8	−35.3	−35.4	−34.9	−34.7	−35.1	−35.0	−35.6	−36.0	−37.1	−24.7	−48.0	23.3

AUGUST 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−31	−29	−29	−29	−29	−28	−30	−32	−31	−34	−33	−39	−41	−42	−43	−43	−42	−42	−41	−41	−40	−38	−37	−36	−35.8	−28	−43	15
2	−35	−31	−31	−30	−33	−34	−31	−29	−27	−27	−23	−25	−29	−27	−23	−19	−8	−2	−1	−2	−4	−3	−5	−1	−20.0	0	−36	36
3	−2	−2	−3	−4	−9	−10	−6	−5	−5	−5	−6	−11	−14	−16	−16	−15	−17	−19	−22	−25	−30	−25	−26	−26	−13.3	−1	−30	29
4	−28	−29	−30	−30	−29	−29	−27	−17	−13	−14	−14	−18	−19	−19	−20	−19	−20	−21	−21	−23	−21	−20	−18	−17	−21.5	−13	−30	17
5	−19	−13	−12	−11	−8	−4	−3	−3	−4	−3	−2	−6	−7	−7	−10	−14	−17	−20	−22	−20	−23	−22	−23	−23	−12.3	−2	−24	22
6	−23	−24	−26	−29	−30	−30	−28	−27	−26	−25	−25	−25	−26	−27	−29	−30	−32	−33	−34	−34	−35	−37	−42	−45	−30.1	−23	−45	22
7	−48	−49	−50	−51	−53	−53	−54	−55	−54	−53	−54	−54	−55	−56	−56	−56	−57	−58	−58	−55	−54	−54	−54	−56	−54.0	−45	−58	13
8	−57	−59	−59	−58	−58	−54	−45	−41	−36	−33	−31	−30	−30	−29	−30	−29	−31	−28	−28	−27	−34	−39	−34	−29	−38.7	−27	−59	32
9	−29	−25	−21	−19	−16	−14	−13	−13	−9	−9	−10	−11	−12	−13	−13	−14	−19	−23	−22	−22	−22	−22	−22	−21	−17.2	−9	−29	20
10	−21	−22	−22	−23	−23	−22	−22	−23	−23	−23	−24	−25	−29	−29	−32	−28	−25	−25	−24	−25	−27	−28	−31	−34	−25.4	−20	−34	14
11	−35	−36	−36	−37	−30	−16	−26	−27	−28	−24	−25	−29	−31	−33	−36	−38	−40	−42	−44	−46	−45	−44	−45	−46	−35.0	−14	−46	32
12	−44	−41	−41	−41	−41	−41	−41	−41	−43	−45	−47	−47	−49	−51	−51	−51	−53	−52	−53	−53	−52	−52	−52	−53	−47.3	−40	−53	13
13	−50	−49	−49	−47	−46	−45	−44	−44	−42	−42	−40	−39	−40	−41	−40	−36	−38	−36	−39	−40	−38	−36	−36	−38	−41.5	−35	−53	18
14	−39	−39	−41	−42	−39	−42	−43	−40	−40	−35	−33	−30	−24	−24	−23	−22	−20	−24	−26	−27	−27	−27	−27	−29	−31.8	−20	−43	23
15	−31	−32	−33	−34	−37	−37	−35	−33	−34	−35	−34	−31	−29	−26	−24	−22	−23	−22	−20	−19	−17	−15	−14	−11	−27.0	−11	−38	27
16	−10	−8	−8	−7	−7	−6	−6	−4	−5	−6	−7	−6	−8	−11	−12	−9	−11	−12	−12	−13	−13	−12	−12	−8	−8.9	−4	−13	9
17	−7	−7	−8	−11	−13	−16	−19	−21	−22	−23	−23	−22	−22	−22	−23	−26	−28	−29	−31	−37	−41	−44	−45	−47	−24.5	−7	−47	40
18	−48	−48	−48	−48	−46	−48	−49	−49	−50	−52	−53	−49	−52	−52	−55	−53	−51	−43	−36	−31	−35	−28	−31	−27	−45.1	−25	−55	30
19	−28	−37	−35	−29	−28	−33	−35	−36	−37	−34	−36	−36	−35	−36	−34	−35	−35	−39	−42	−44	−45	−46	−48	−50	−37.2	−24	−50	26
20	−52	−53	−54	−55	−57	−59	−60	−59	−61	−62	−61	−62	−57	−49	−49	−50	−51	−52	−51	−52	−54	−55	−57	−58	−55.4	−49	−62	13
21	−60	−63	−64	−65	−65	−66	−66	−65	−65	−65	−64	−64	−64	−65	−66	−68	−69	−71	−71	−70	−65	−62	−62	−61	−65.2	−58	−71	13
22	−59	−59	−55	−48	−43	−47	−47	−48	−46	−49	−52	−53	−50	−51	−50	−49	−53	−55	−53	−57	−59	−60	−62	−63	−52.8	−43	−63	20
23	−63	−64	−65	−62	−63	−64	−61	−59	−58	−54	−53	−49	−51	−50	−44	−46	−45	−43	−44	−47	−47	−50	−51	−52	−53.5	−43	−65	22
24	−54	−57	−59	−59	−58	−59	−59	−62	−64	−63	−62	−61	−58	−58	−59	−60	−58	−58	−55	−56	−58	−62	−65	−61	−59.4	−54	−65	11
25	−62	−59	−60	−58	−58	−59	−56	−54	−52	−49	−48	−49	−50	−46	−48	−51	−53	−55	−59	−57	−60	−60	−58	−60	−55.0	−46	−62	16
26	−56	−41	−34	−29	−36	−38	−39	−39	−41	−42	−42	−44	−47	−48	−50	−51	−53	−52	−51	−51	−50	−51	−52	−55	−45.5	−28	−60	32
27	−56	−58	−57	−59	−60	−60	−61	−62	−63	−64	−64	−64	−67	−67	−66	−62	−56	−49	−31	−47	−42	−35	−22	−20	−53.8	−20	−68	48
28	−18	−17	−17	−17	−17	−17	−16	−18	−19	−20	−19	−20	−20	−20	−23	−24	−28	−31	−41	−40	−42	−42	−42	−43	−25.4	−16	−43	27
29	−44	−44	−45	−46	−47	−44	−42	−42	−40	−40	−41	−41	−43	−44	−46	−47	−46	−46	−44	−43	−45	−48	−50	−52	−44.6	−39	−52	13
30	−54	−55	−55	−55	−56	−57	−59	−62	−62	−60	−59	−61	−61	−62	−62	−64	−65	−65	−67	−68	−68	−70	−71	−71	−62.0	−52	−71	19
31	−69	−68	−65	−63	−65	−66	−61	−64	−62	−59	−55	−52	−55	−57	−60	−58	−57	−54	−50	−47	−45	−47	−44	−44	−57.0	−44	−71	27
Mean	−39.7	−39.3	−39.1	−38.6	−38.7	−38.6	−38.2	−37.9	−37.5	−37.1	−36.8	−37.2	−37.9	−38.0	−38.5	−38.4	−38.7	−38.7	−38.5	−39.3	−39.9	−39.8	−39.9	−39.9	−38.6	−27.1	−49.6	22.5

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

SEPTEMBER 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−44	−43	−48	−50	−47	−44	−42	−40	−38	−39	−39	−39	−38	−36	−33	−32	−29	−32	−35	−37	−40	−43	−44	−44	39.8	−29	−50	21
2	−40	−37	−34	−33	−33	−33	−29	−23	−16	−17	−22	−28	−29	−30	−31	−25	−16	−11	−10	−17	−24	−17	−3	−10	−23.7	−3	−44	41
3	−17	−20	−21	−27	−28	−32	−33	−35	−37	−36	−35	−33	−32	−33	−36	−37	−37	−36	−35	−35	−32	−35	−38	−42	−32.6	−10	−42	32
4	−45	−45	−45	−44	−44	−44	−42	−40	−39	−38	−37	−33	−18	−8	−7	−4	−1	1	2	0	−1	−2	−2	−3	−22.5	2	−45	47
5	−4	−5	−4	−5	−7	−10	−11	−11	−13	−11	−12	−13	−14	−15	−18	−18	−18	−19	−19	−19	−22	−22	−23	−23	−14.0	−3	−23	20
6	−24	−24	−25	−22	−21	−25	−27	−25	−24	−24	−27	−34	−37	−40	−41	−44	−48	−49	−48	−48	−47	−40	−37	−36	−34.0	−21	−49	28
7	−36	−36	−42	−44	−46	−48	−50	−47	−50	−50	−51	−52	−52	−52	−53	−53	−54	−56	−58	−60	−61	−61	−59	−58	−51.2	−36	−61	25
8	−55	−58	−59	−61	−62	−62	−63	−64	−61	−58	−56	−56	−57	−57	−55	−56	−59	−61	−61	−60	−61	−64	−63	−63	−59.7	−55	−64	9
9	−65	−64	−59	−55	−53	−51	−48	−44	−37	−33	−29	−30	−24	−20	−21	−15	−13	−28	−30	−32	−36	−38	−36	−35	−37.3	−13	−65	52
10	−34	−39	−43	−46	−48	−48	−46	−47	−47	−48	−48	−49	−48	−49	−48	−49	−51	−56	−57	−58	−59	−60	−61	−62	−50.0	−34	−62	28
11	−61	−59	−56	−52	−48	−46	−44	−41	−39	−38	−41	−43	−46	−48	−48	−55	−56	−57	−57	−58	−58	−59	−58	−57	−51.0	−38	−62	24
12	−53	−53	−50	−49	−48	−49	−50	−52	−53	−54	−53	−51	−51	−53	−54	−54	−55	−57	−57	−58	−59	−59	−58	−59	−53.7	−48	−59	11
13	−61	−62	−63	−64	−64	−64	−64	−64	−58	−61	−61	−60	−58	−58	−60	−62	−62	−63	−63	−64	−65	−65	−65	−66	−62.4	−58	−66	8
14	−66	−67	−67	−67	−67	−67	−67	−64	−63	−61	−62	−62	−63	−63	−62	−61	−59	−58	−55	−55	−55	−52	−49	−42	−60.6	−42	−67	25
15	−36	−34	−31	−29	−28	−28	−27	−26	−26	−24	−24	−22	−22	−21	−14	−24	−23	−24	−24	−24	−25	−28	−27	−26	−25.7	−14	−42	28
16	−23	−21	−22	−27	−29	−30	−29	−31	−33	−32	−33	−34	−38	−43	−45	−49	−52	−53	−54	−55	−56	−56	−56	−56	−39.9	−21	−56	35
17	−56	−57	−58	−58	−57	−54	−55	−56	−56	−55	−56	−56	−56	−57	−58	−59	−60	−61	−62	−65	−65	−66	−64	−63	−58.8	−54	−66	12
18	−61	−56	−56	−50	−50	−51	−47	−45	−42	−40	−41	−39	−40	−42	−45	−49	−44	−43	−41	−37	−38	−37	−37	−40	−44.6	−37	−63	26
19	−40	−37	−34	−33	−31	−31	−31	−30	−29	−27	−27	−26	−25	−25	−27	−27	−28	−31	−35	−31	−29	−28	−27	−26	−29.8	−25	−40	15
20	−26	−25	−23	−23	−22	−22	−22	−19	−16	−16	−15	−15	−13	−13	−14	−14	−14	−13	−13	−13	−13	−11	−10	−9	−16.4	−9	−26	17
21	−8	−7	−4	−3	−1	−2	−1	4	0	−3	−2	−1	2	10	10	10	0	−6	−8	−10	−13	−15	−17	−21	−3.6	10	−21	31
22	−19	−16	−15	−17	−22	−27	−25	−25	−26	−27	−26	−25	−24	−25	−26	−19	−16	−15	−14	−13	−11	−11	−10	−9	−19.3	−9	−27	18
23	−7	−6	−5	−5	−8	−7	−7	−5	−4	−4	−4	−4	−4	−2	−2	5	5	6	5	4	3	2	1	1	−1.8	6	−9	15
24	1	0	−8	−11	−18	−21	−23	−27	−29	−30	−33	−34	−33	−32	−32	−31	−34	−35	−37	−38	−42	−45	−46	−48	−28.6	1	−48	49
25	−49	−50	−51	−51	−51	−50	−42	−32	−30	−32	−33	−33	−32	−32	−31	−28	−25	−25	−23	−22	−20	−19	−20	−21	−33.4	−18	−51	33
26	−23	−23	−25	−26	−29	−29	−29	−30	−30	−29	−30	−29	−27	−25	−26	−29	−32	−34	−36	−36	−37	−36	−38	−37	−30.2	−21	−38	17
27	−35	−29	−29	−28	−28	−29	−30	−30	−30	−30	−30	−30	−29	−29	−29	−29	−26	−31	−37	−40	−26	−15	−7	−4	−27.5	−2	−40	38
28	−7	−5	−16	−17	−25	−26	−28	−24	−19	−15	−21	−29	−31	−33	−31	−30	−29	−29	−30	−30	−29	−31	−33	−33	−25.0	−4	−34	30
29	−31	−30	−33	−35	−33	−30	−26	−25	−25	−31	−32	−34	−33	−33	−35	−37	−40	−43	−45	−47	−48	−49	−49	−47	−36.3	−25	−50	25
30	−45	−43	−38	−35	−30	−29	−24	−17	−7	−1	0	2	2	3	3	5	7	8	7	2	−13	−23	−33	−34	−13.9	8	−47	55
Mean	−35.7	−35.0	−35.5	−35.6	−35.9	−36.3	−35.4	−33.8	−32.6	−32.1	−32.7	−33.1	−32.3	−32.0	−32.3	−32.3	−32.3	−33.7	−34.3	−35.2	−36.1	−36.2	−35.6	−35.8	−34.2	−20.1	−47.2	27.1

OCTOBER 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−32	−30	−29	−29	−31	−32	−32	−31	−30	−29	−29	−29	−30	−32	−34	−34	−38	−41	−42	−43	−43	−44	−44	−43	−34.6	−28	−45	17
2	−42	−41	−42	−42	−42	−43	−41	−39	−40	−39	−37	−34	−33	−34	−35	−36	−38	−34	−36	−37	−40	−36	−34	−37	−38.0	−32	−43	11
3	−39	−41	−42	−38	−36	−36	−33	−27	−26	−25	−24	−21	−19	−23	−24	−24	−18	−17	−17	−17	−19	−17	−16	−17	−25.7	−16	−42	26
4	−15	−13	−13	−14	−12	−9	−7	−6	−5	−6	−4	−3	−1	−1	−3	1	2	−1	−2	−3	−3	−4	−4	−3	−5.4	3	−17	20
5	−3	−3	−4	−5	−3	−6	−3	1	2	3	5	4	5	7	9	9	10	12	13	14	16	17	14	13	5.3	17	−6	23
6	12	10	9	9	2	−6	−10	−12	−15	−17	−19	−20	−20	−20	−21	−22	−22	−23	−18	−16	−12	−10	−9	−9	−10.8	13	−23	36
7	−8	−5	−4	−4	−5	−4	−5	−3	−5	−4	−2	−1	1	1	1	3	3	2	1	−2	−1	−3	−5	−3	−2.2	3	−9	12
8	−3	−3	0	1	3	5	7	9	10	11	11	12	12	12	12	12	11	11	11	11	12	12	2	0	7.5	12	−3	15
9	2	2	3	4	6	6	7	6	6	7	7	7	7	6	5	5	5	4	3	2	−1	−3	−4	−2	3.7	7	−4	11
10	−1	0	0	−1	0	0	0	1	1	1	1	1	2	3	3	3	3	3	4	4	4	6	8	8	2.2	8	−2	10
11	7	6	7	7	6	6	6	6	4	3	3	3	4	3	0	−2	−3	−5	−6	−7	−9	−10	−13	−15	0.4	8	−15	23
12	−14	−17	−20	−22	−20	−19	−14	−12	−9	−10	−10	−10	−11	−12	−13	−14	−14	−16	−18	−20	−22	−22	−24	−27	−16.2	−9	−27	18
13	−28	−30	−27	−25	−26	−23	−20	−18	−18	−15	−11	−8	−8	−6	−5	−5	−4	−5	−5	−6	−7	−6	−1	−2	−12.9	−1	−30	29
14	−1	0	1	2	4	2	2	2	1	2	3	3	4	4	4	5	5	5	4	3	3	1	1	1	2.5	5	−2	7
15	0	0	−1	−1	1	0	0	1	2	2	2	3	3	3	3	2	2	1	1	0	0	−3	−3	−4	0.6	4	−4	8
16	−4	−3	−2	−1	0	1	1	2	4	4	3	2	1	0	−3	−4	−5	−8	−9	−10	−7	−8	−8	−7	−2.5	4	−11	15
17	−8	−9	−13	−18	−18	−16	−14	−11	−12	−12	−12	−12	−12	−12	−12	−13	−13	−13	−12	−13	−13	−14	−15	−15	−13.0	−5	−19	14
18	−17	−17	−17	−18	−18	−17	−16	−16	−16	−16	−15	−14	−13	−11	−11	−17	−19	−23	−29	−32	−33	−36	−39	−40	−20.8	−9	−40	31
19	−40	−42	−41	−41	−40	−33	−29	−28	−24	−21	−21	−19	−16	−16	−21	−25	−29	−29	−26	−29	−30	−33	−34	−32	−29.1	−15	−42	27
20	−28	−27	−25	−24	−22	−19	−17	−14	−13	−13	−15	−17	−16	−15	−16	−15	−16	−15	−22	−26	−28	−28	−29	−30	−20.4	−12	−32	20
21	−32	−32	−32	−32	−34	−33	−32	−32	−29	−28	−26	−25	−25	−26	−26	−25	−25	−25	−26	−26	−26	−27	−28	−28	−28.3	−24	−34	10
22	−28	−28	−27	−26	−25	−24	−22	−19	−18	−17	−16	−17	−17	−16	−18	−19	−20	−22	−24	−25	−27	−29	−31	−33	−22.8	−16	−33	17
23	−34	−37	−37	−35	−35	−30	−28	−26	−28	−25	−26	−23	−25	−26	−25	−23	−21	−21	−21	−21	−22	−22	−21	−21	−26.4	−21	−38	17
24	−20	−19	−19	−18	−16	−14	−13	−12	−11	−9	−8	−6	−5	−5	−5	−6	−6	−7	−6	−6	−6	−7	−7	−7	−9.9	−5	−21	16
25	−7	−8	−7	−6	−7	−7	−7	−6	−6	−7	−7	−9	−10	−12	−13	−15	−19	−22	−25	−25	−29	−33	−32	−33	−14.7	−6	−33	27
26	−35	−35	−34	−35	−31	−28	−29	−30	−27	−25	−27	−23	−23	−22	−24	−23	−23	−28	−32	−36	−32	−34	−36	−37	−29.5	−22	−37	15
27	−36	−34	−32	−33	−32	−31	−31	−31	−31	−31	−30	−29	−29	−28	−28	−28	−29	−29	−31	−32	−38	−42	−40	−38	−32.2	−27	−42	15
28	−34	−33	−31	−31	−28	−25	−25	−22	−20	−18	−16	−15	−13	−12	−10	−9	−9	−7	−7	−6	−6	−6	−5	−3	−16.3	−3	−38	35
29	−2	−1	0	0	−5	−12	−15	−17	−17	−17	−18	−18	−17	−17	−17	−18	−20	−22	−23	−26	−26	−26	−29	−30	−16.4	1	−30	31
30	−31	−32	−30	−29	−28	−25	−22	−22	−20	−19	−17	−15	−14	−15	−15	−17	−17	−18	−20	−25	−26	−29	−28	−30	−22.7	−14	−30	16
31	−30	−31	−32	−33	−21	−16	−13	−10	−9	−8	−7	−7	−6	−7	−7	−7	−8	−10	−12	−14	−18	−23	−24	−26	−15.8	−6	−33	27
Mean	−17.8	−17.8	−17.5	−17.4	−16.5	−15.7	−14.7	−13.4	−12.9	−12.2	−11.7	−11.0	−10.5	−10.6	−11.3	−11.6	−12.1	−13.0	−13.9	−15.1	−15.8	−16.7	−17.4	−17.7	−14.3	−6.0	−25.3	19.3

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

NOVEMBER 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−28	−30	−30	−30	−30	−28	−27	−27	−26	−26	−25	−23	−21	−20	−19	−19	−20	−24	−26	−30	−31	−32	−32	−33	−26.5	−18	−34	16
2	−35	−34	−32	−31	−30	−29	−24	−22	−20	−17	−16	−17	−15	−15	−16	−16	−16	−16	−17	−16	−16	−16	−13	−11	−20.4	−11	−35	24
3	−9	−8	−7	−5	−4	−4	−2	−2	0	0	1	2	3	2	3	3	3	1	0	0	0	0	−1	−2	−1.1	3	−11	14
4	−5	−7	−8	−9	−8	−6	−6	−4	−4	−5	−5	−3	−3	−2	−1	−1	−1	−2	−3	−2	−2	−3	−2	−1	−3.9	−1	−9	8
5	−2	−2	−2	−2	−2	0	2	5	6	6	10	9	10	7	6	7	4	2	−2	−1	−2	−1	−6	−8	1.8	11	−8	19
6	−11	−10	−10	−10	−10	−9	−9	−9	−9	−8	−8	−7	−6	−6	−6	−9	−11	−13	−15	−19	−22	−25	−28	−32	−12.6	−5	−32	27
7	−25	−22	−21	−19	−18	−16	−15	−16	−17	−17	−17	−16	−16	−13	−16	−17	−18	−18	−18	−18	−18	−19	−19	−19	−17.8	−13	−32	19
8	−18	−18	−17	−17	−16	−15	−14	−14	−13	−12	−11	−11	−12	−13	−12	−12	−12	−12	−11	−11	−13	−13	−14	−14	−13.5	−10	−19	9
9	−15	−15	−15	−14	−13	−10	−9	−11	−9	−7	−8	−6	−7	2	4	1	−1	−1	−3	−10	−13	−13	−18	−14	−8.5	4	−18	22
10	−13	−13	−12	−11	−11	−10	−10	−8	−8	−7	−7	−7	−8	−8	−7	−8	−6	−5	−9	−11	−14	−16	−18	−20	−10.3	−4	−20	16
11	−22	−23	−23	−23	−22	−19	−18	−17	−16	−15	−14	−13	−13	−12	−11	−11	−10	−10	−10	−11	−12	−13	−13	−14	−15.2	−9	−24	15
12	−16	−17	−18	−16	−11	−11	−6	−5	−7	−5	−1	1	1	3	2	3	3	2	2	2	4	5	5	5	−3.1	5	−19	24
13	4	5	5	5	5	4	9	6	7	8	8	7	7	7	10	8	7	2	2	2	2	3	5	5	5.5	12	2	10
14	6	5	2	3	4	0	1	0	0	2	6	7	10	9	9	8	4	1	2	−1	−2	−5	−5	−6	2.5	11	−6	17
15	−6	−8	−10	−13	−13	−13	−11	−9	−8	−5	−4	−2	−4	−4	−5	−6	−8	−9	−11	−11	−12	−15	−18	−20	−9.4	−2	−20	18
16	−20	−18	−16	−14	−15	−12	−10	−10	−10	−9	−8	−6	−7	−6	−7	−7	−8	−10	−10	−10	−13	−15	−19	−18	−11.6	−6	−21	15
17	−23	−21	−17	−18	−15	−10	−14	−8	−9	−10	−9	−7	−6	−5	−4	−4	−2	−2	−2	−2	−1	0	1	1	−7.8	2	−23	25
18	−1	0	0	0	1	0	3	1	0	0	1	0	−1	−1	0	−1	−2	−3	−5	−7	−8	−8	−11	−11	−2.2	3	−11	14
19	−13	−11	−10	−12	−10	−9	−6	−4	−1	−1	0	1	2	2	2	3	3	4	4	7	7	7	7	7	−0.9	9	−14	23
20	7	7	9	10	10	10	9	8	8	9	9	10	10	10	9	9	6	4	4	4	3	3	0	0	7.0	10	0	10
21	1	1	2	2	2	3	4	5	6	7	7	7	8	8	8	7	6	3	2	3	0	−5	−7	−9	3.0	8	−9	17
22	−11	−9	−5	−8	−3	−2	0	1	4	4	5	6	7	7	9	9	9	8	7	6	6	5	1	−3	2.2	9	−11	20
23	−4	−2	1	1	0	1	1	1	1	2	3	4	5	5	5	2	2	0	1	−2	−3	−5	−6	−8	0.2	6	−8	14
24	−8	−9	−8	−6	−7	−6	−4	−1	−2	0	1	2	1	1	2	2	2	0	2	0	1	1	11	9	−0.7	12	−10	22
25	9	10	10	12	14	11	15	17	16	17	18	20	22	21	21	20	19	19	19	19	19	19	19	19	16.9	22	9	13
26	19	17	17	17	17	17	17	18	18	18	19	20	20	20	20	20	19	18	19	17	16	16	14	15	17.8	21	15	6
27	12	16	16	16	14	15	16	16	17	19	21	23	20	21	20	18	16	16	15	14	14	14	14	13	16.5	23	12	9
28	12	12	12	12	12	12	13	13	13	13	12	14	13	14	14	13	11	9	9	9	8	8	8	8	11.4	14	8	6
29	9	9	9	9	9	10	11	11	12	13	14	12	10	10	7	6	6	7	8	8	8	7	7	7	9.1	14	6	8
30	8	8	7	8	9	10	10	10	10	13	15	16	17	16	16	17	16	16	16	16	15	15	14	15	13.0	17	7	10
Mean	−6.6	−6.2	−5.7	−5.4	−4.7	−3.9	−2.5	−1.8	−1.4	−0.4	0.6	1.4	1.6	2.0	2.1	1.5	0.7	−0.4	−1.0	−1.8	−2.6	−3.4	−4.1	−4.6	−2.0	4.6	−11.2	15.8

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[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	14	16	15	15	17	17	20	21	21	22	22	26	23	24	23	22	22	20	19	18	17	13	10	6	18.5	26	6	20
2	4	6	12	15	18	15	14	17	18	19	19	19	20	20	21	20	19	18	18	18	18	17	15	12	16.3	21	3	18
3	10	11	10	11	11	11	11	12	14	14	15	15	13	12	12	12	12	12	11	10	8	7	6	7	11.1	16	6	10
4	9	11	10	15	6	8	11	14	16	17	19	18	18	18	17	19	17	17	15	15	7	7	8	9	13.4	19	4	15
5	9	10	7	6	8	11	11	15	17	18	19	19	18	17	17	16	14	14	13	11	13	15	15	13	13.6	20	6	14
6	14	15	14	15	16	17	16	15	17	17	18	19	19	18	19	16	16	16	15	15	15	15	13	12	15.9	21	12	9
7	10	10	9	10	10	10	13	13	13	13	14	15	15	14	14	13	11	9	7	6	6	5	4	4	10.3	15	4	11
8	3	3	5	4	6	7	7	7	8	9	10	11	12	12	12	12	14	12	9	6	4	3	3	1	7.5	14	1	13
9	−1	1	3	3	3	7	5	6	7	7	9	13	15	11	10	7	8	8	6	7	8	8	9	10	7.1	15	−1	16
10	10	9	10	9	12	14	14	15	15	16	17	17	18	18	18	17	16	16	15	14	10	9	6	6	13.4	18	6	12
11	4	8	13	11	15	14	13	18	17	18	19	22	21	22	19	17	15	15	13	12	11	9	7	5	14.1	25	4	21
12	8	6	9	11	7	12	13	16	16	15	17	18	18	18	18	19	20	19	19	17	15	14	13	12	14.6	22	5	17
13	11	11	10	11	9	10	15	13	12	13	15	17	19	18	20	19	21	21	23	18	16	13	11	13	15.0	24	9	15
14	12	7	10	14	14	15	15	17	19	20	18	16	17	19	18	17	15	12	12	10	12	9	6	7	13.8	21	6	15
15	7	7	7	6	8	11	10	10	12	14	14	13	11	11	11	11	11	10	9	8	5	5	4	0	9.0	12	0	12
16	2	−1	1	6	2	4	8	12	12	12	12	16	19	21	20	21	18	19	18	18	19	22	23	21	13.5	25	−1	26
17	19	18	24	23	25	24	24	23	27	30	32	34	36	34	32	34	30	29	28	24	22	19	16	18	26.0	38	16	22
18	16	17	17	17	18	19	23	25	26	25	26	26	26	27	27	24	25	25	26	26	24	24	22	22	23.0	28	16	12
19	21	21	19	20	24	21	19	19	19	24	25	25	25	26	26	26	27	25	24	24	23	24	25	25	23.2	27	18	9
20	25	25	24	22	21	21	21	25	25	25	26	27	27	27	26	26	26	24	24	24	24	22	19	13	23.7	29	13	16
21	11	12	13	16	19	19	21	22	21	22	23	23	24	24	25	27	27	26	26	26	26	26	26	26	22.1	27	9	18
22	24	24	24	24	24	26	27	28	30	32	33	33	33	33	34	33	35	33	33	31	30	30	30	26	29.6	37	24	13
23	25	23	22	21	20	18	18	16	16	16	18	18	20	20	20	19	19	19	17	15	15	13	14	12	18.1	26	12	14
24	12	11	11	12	13	15	15	17	19	22	25	20	19	18	18	17	15	15	15	14	13	12	13	15	15.7	25	11	14
25	13	15	17	21	21	26	29	20	22	22	22	24	25	24	24	23	24	23	22	23	22	22	21	21	21.9	29	12	17
26	20	20	20	21	19	21	20	21	23	23	23	23	23	23	23	22	22	21	21	21	20	20	18	15	21.0	24	15	9
27	15	14	13	14	15	17	17	16	18	20	22	21	21	21	20	20	17	16	17	15	16	18	16	16	17.3	23	13	10
28	16	16	15	14	15	18	19	20	22	23	22	23	23	22	22	22	22	21	23	19	18	16	15	14	19.2	24	13	11
29	17	18	20	16	17	20	21	23	25	24	26	29	30	30	32	31	27	25	23	20	19	17	16	14	22.5	34	14	20
30	17	19	19	19	18	19	21	22	23	25	25	25	25	25	26	26	30	29	24	23	20	21	17	17	22.3	30	14	16
31	15	14	15	16	18	22	20	21	22	23	24	26	28	29	27	28	27	25	20	20	17	15	13	13	20.7	30	12	18
Mean	12.6	12.8	13.5	14.1	14.5	15.8	16.5	17.4	18.5	19.4	20.3	21.0	21.3	21.2	21.0	20.5	20.1	19.2	18.2	17.0	15.9	15.2	14.0	13.1	17.2	24.0	9.1	14.9

TABLE 31.—*Temperatures—hourly values, Little America*—Continued

JANUARY 1935

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	16	16	12	13	15	19	19	20	20	22	22	25	26	27	27	27	26	24	22	21	20	21	27	28	21.4	28	12	16
2	29	29	29	28	30	30	30	30	31	31	32	33	32	31	31	30	31	28	26	22	21	20	19	18	28.0	33	18	15
3	17	17	19	20	21	23	24	27	27	27	29	29	28	27	27	27	26	27	27	25	23	22	22	21	24.2	29	17	12
4	22	22	22	23	24	25	25	25	25	25	25	25	26	27	26	27	28	27	24	22	21	19	18	17	23.8	29	17	12
5	15	18	18	19	21	21	22	24	26	26	27	26	25	26	26	26	26	24	23	20	18	17	16	16	21.9	28	15	13
6	16	15	15	15	16	17	17	17	17	18	18	20	19	21	21	23	22	22	22	21	20	19	19	18	18.7	23	14	9
7	18	17	18	20	20	20	20	21	21	21	21	21	22	23	22	22	22	23	22	21	20	19	17	17	20.2	23	17	6
8	15	15	16	16	17	17	17	16	17	18	19	20	21	21	21	21	22	21	20	19	20	20	20	19	18.7	22	15	7
9	19	19	17	17	17	17	17	18	17	18	19	21	22	23	24	24	22	21	20	16	15	12	14	16	18.5	24	12	12
10	16	16	16	17	18	19	19	23	23	25	26	27	26	26	27	28	27	25	24	24	23	23	23	22	22.6	29	16	13
11	21	21	22	25	27	28	28	28	29	31	31	30	30	29	29	30	30	30	29	29	29	30	28	26	27.9	31	21	10
12	26	25	25	24	23	22	23	24	24	24	24	25	25	27	25	24	25	23	21	20	18	17	16	14	22.7	27	14	13
13	16	17	17	17	17	18	19	19	20	22	27	23	23	23	23	23	22	21	22	22	23	22	22	21	20.8	27	14	13
14	18	19	19	19	18	18	19	19	19	20	22	22	22	22	22	22	21	21	22	21	21	21	21	20	20.3	24	18	6
15	20	20	20	20	20	21	22	23	24	24	25	26	27	26	25	25	25	25	22	21	20	20	20	20	22.5	28	20	8
16	16	18	19	20	20	21	21	22	22	23	23	23	23	23	23	22	22	21	21	20	19	18	18	18	20.7	24	16	8
17	18	19	19	19	20	20	20	22	22	23	23	25	26	26	26	26	24	23	23	21	20	20	19	19	21.8	28	18	10
18	19	19	20	20	21	21	22	22	23	22	22	23	23	23	23	22	21	21	20	19	19	18	18	18	20.8	23	18	5
19	19	19	19	19	20	20	20	20	21	21	22	23	27	29	28	31	23	23	23	23	23	23	22	21	22.4	31	18	13
20	21	21	21	21	21	22	23	23	23	24	25	25	24	25	25	24	24	23	22	22	23	24	24	24	23.1	25	21	4
21	16	13	12	13	12	13	16	19	19	20	25	25	26	25	25	24	24	25	24	23	20	14	16	20	19.5	27	12	15
22	23	20	18	18	18	18	18	18	19	20	20	22	23	25	27	29	30	29	29	29	28	26	26	26	23.3	30	18	12
23	27	26	27	28	28	28	28	28	27	29	30	30	31	31	31	30	30	30	30	30	30	30	30	30	29.1	31	26	5
24	30	30	30	30	31	31	32	32	32	32	32	32	31	30	29	29	29	28	27	26	25	25	25	26	29.3	32	25	7
25	26	25	25	25	26	28	28	27	26	25	26	26	25	26	25	25	25	24	24	24	24	24	25	26	25.4	28	24	4
26	24	25	24	24	26	26	27	28	28	29	29	29	31	31	32	32	32	31	31	31	31	30	30	30	28.8	32	24	8
27	30	30	30	30	30	30	32	32	32	32	32	32	31	31	31	31	31	31	31	31	31	31	31	30	31.0	32	30	2
28	29	30	30	31	30	31	32	32	32	32	32	32	32	31	30	30	30	31	31	31	31	32	32	32	31.1	32	29	3
29	32	32	32	32	32	31	31	32	32	32	32	32	32	32	31	31	31	31	30	31	31	31	30	30	31.4	32	30	2
30	30	30	30	30	30	30	31	31	31	31	31	30	30	30	30	29	29	26	26	28	23	24	21	23	28.5	31	21	10
31	23	24	24	25	28	28	28	29	30	30	32	32	32	32	31	31	31	31	30	29	29	28	28	29	28.9	32	23	9
Mean	21.5	21.5	21.4	21.9	22.5	23.0	23.5	24.2	24.5	25.1	25.9	26.2	26.5	26.7	26.5	26.6	26.2	25.5	24.8	23.9	23.2	22.6	22.5	22.4	24.1	28.2	19.1	9.1

TABLE 32.—Temperatures—Hourly values, Bolling Advance Base

MARCH 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
26	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	−25	−36	−42	−42	−42	------	------	------	------
27	−42	−41	−41	−40	−39	−34	−38	−42	−43	−44	−44	−44	−44	−44	−46	−46	−47	−47	−47	−47	−48	−49	−50	−51	−44.1	−34	−51	17
28	−51	−52	−53	−53	−54	−53	−53	−53	−51	−49	−48	−49	−48	−48	−51	−54	−52	−52	−55	−55	−57	−58	−58	−56	−52.6	−47	−58	11
29	−53	−53	−53	−55	−56	−55	−56	−57	−56	−54	−54	−54	−54	−56	−57	−57	−58	−58	−57	−55	−53	−52	−51	−49	−54.7	−49	−58	9
30	−49	−48	−47	−46	−44	−40	−40	−39	−41	−42	−42	−42	−44	−45	−47	−47	−47	−47	−46	−46	−46	−46	−45	−44	−44.6	−39	−49	10
31	−46	−47	−48	−49	−50	−51	−51	−51	−52	−51	−52	−54	−52	−52	−51	−51	−50	−52	−52	−52	−52	−51	−50	−49	−50.7	−45	−54	9

APRIL 1934

[Fahrenheit, degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−48	−46	−45	−44	−43	−42	−41	−39	−37	−36	−33	−30	−30	−31	−32	−32	−31	−31	−32	−31	−29	−28	−28	−25	−35.2	−25	−50	25
2	−20	−15	−11	−12	−9	−6	−6	−5	−4	−6	−19	−30	−31	−36	−39	−41	−40	−41	−39	−40	−40	−36	−32	−30	−24.5	0	−41	41
3	−27	−26	−25	−20	−20	−19	−14	−12	−6	2	5	11	11	11	12	13	16	17	15	14	14	15	15	15	0.7	18	−30	48
4	14	16	19	21	20	19	20	17	16	12	9	8	6	6	6	6	4	2	7	6	5	5	3	−2	10.2	21	−2	23
5	−3	−6	−2	−1	−3	−9	−10	−6	−4	−6	−8	−11	−15	−15	−14	−13	−15	−17	−15	−15	−18	−21	−23	−24	−11.4	−1	−24	23
6	−25	−25	−27	−29	−30	−31	−31	−32	−34	−34	−35	−35	−37	−35	−34	−35	−34	−34	−32	−31	−27	−25	−22	−20	−30.6	−20	−37	17
7	−20	−24	−25	−26	−24	−22	−22	−19	−19	−21	−21	−23	−22	−20	−19	−19	−17	−15	−15	−17	−18	−18	−17	−16	−20.0	−15	−26	11
8	−17	−16	−17	−15	−13	−10	−10	−10	−9	−10	−11	−12	−15	−15	−16	−18	−22	−25	−27	−29	−30	−30	−29	−27	−18.0	−9	−30	21
9	−24	−24	−25	−25	−24	−23	−22	−21	−21	−21	−21	−21	−20	−19	−16	−15	−15	−16	−16	−18	−20	−21	−22	−24	−20.6	−15	−27	12
10	−28	−32	−34	−34	−35	−36	−36	−36	−36	−38	−39	−40	−40	−42	−42	−40	−40	−41	−40	−42	−45	−46	−45	−43	−38.8	−25	−46	21
11	−43	−43	−42	−42	−43	−41	−40	−39	−40	−39	−39	−39	−40	−41	−41	−41	−42	−43	−44	−43	−46	−46	−46	−46	−42.0	−37	−46	9
12	−45	−45	−46	−46	−46	−46	−46	−46	−46	−47	−49	−50	−51	−50	−50	−50	−50	−50	−51	−52	−50	−49	−49	−46	−48.2	−45	−52	7
13	−47	−47	−46	−43	−44	−44	−46	−48	−49	−50	−51	−48	−51	−53	−53	−54	−55	−55	−56	−57	−57	−58	−57	−55	−51.0	−43	−58	15
14	−56	−56	−57	−57	−57	−58	−58	−57	−57	−56	−57	−57	−58	−58	−57	−57	−57	−56	−58	−57	−56	−58	−56	−55	−56.9	−55	−58	3
15	−56	−56	−55	−56	−56	−53	−46	−40	−38	−38	−38	−39	−44	−48	−48	−49	−49	−50	−52	−53	−53	−54	−53	−53	−49.0	−37	−56	19
16	−51	−47	−44	−45	−45	−47	−48	−49	−50	−51	−52	−49	−49	−49	−49	−49	−49	−49	−50	−51	−52	−50	−48	−46	−48.7	−44	−52	8
17	−47	−46	−44	−41	−41	−42	−44	−45	−46	−49	−51	−54	−55	−55	−55	−56	−55	−56	−57	−58	−59	−62	−62	−62	−51.8	−41	−62	21
18	−62	−62	−62	−60	−62	−62	−62	−62	−60	−60	−60	−59	−60	−61	−60	−59	−58	−58	−59	−60	−60	−60	−58	−58	−60.2	−58	−62	4
19	−57	−56	−56	−55	−55	−56	−55	−51	−49	−49	−52	−51	−47	−42	−37	−33	−30	−29	−26	−25	−24	−24	−24	−22	−41.9	−22	−58	36
20	−21	−19	−18	−17	−16	−19	−24	−20	−16	−18	−19	−22	−25	−26	−28	−29	−31	−32	−32	−32	−32	−33	−34	−33	−24.8	−16	−34	18
21	−32	−31	−30	−30	−29	−30	−31	−31	−31	−32	−34	−36	−36	−36	−35	−36	−36	−37	−37	−38	−39	−39	−38	−42	−34.4	−29	−42	13
22	−43	−45	−46	−48	−47	−48	−48	−44	−42	−43	−46	−49	−49	−47	−45	−46	−48	−50	−49	−51	−53	−54	−53	−53	−47.8	−42	−54	12
23	−53	−53	−52	−52	−46	−39	−32	−28	−27	−21	−14	−13	−14	−12	−9	−6	−7	−9	−10	−11	−9	−9	−8	−7	−22.5	−6	−53	47
24	−3	−6	−4	−6	−4	−7	−9	−11	−12	−13	−18	−18	−19	−17	−17	−16	−17	−18	−19	−21	−23	−24	−26	−27	−14.8	0	−27	27
25	−27	−25	−24	−25	−24	−22	−20	−18	−13	−13	−12	−10	−10	−10	−9	−8	−9	−10	−10	−12	−17	−20	−19	−22	−16.2	−8	−27	19
26	−19	−22	−20	−19	−23	−26	−29	−31	−32	−34	−37	−39	−40	−40	−39	−38	−39	−40	−41	−42	−43	−46	−47	−48	−34.8	−19	−48	29
27	−49	−49	−49	−50	−51	−52	−52	−52	−52	−51	−50	−46	−43	−39	−32	−28	−29	−29	−30	−32	−36	−38	−33	−29	−41.7	−28	−52	24
28	−29	−28	−28	−29	−30	−28	−25	−21	−17	−16	−14	−12	−13	−10	−10	−8	−10	−18	−12	−17	−24	−23	−29	−26	−19.9	−8	−30	22
29	−25	−22	−23	−25	−28	−25	−25	−23	−24	−28	−27	−28	−27	−24	−22	−22	−20	−19	−18	−20	−21	−19	−23	−24	−23.4	−18	−28	10
30	−24	−26	−32	−33	−35	−36	−36	−33	−32	−31	−30	−32	−36	−41	−43	−44	−44	−44	−44	−45	−48	−48	−47	−46	−37.9	−23	−48	25
Mean	−32.9	−32.7	−32.3	−32.1	−32.1	−32.0	−31.6	−30.4	−29.6	−29.9	−30.8	−31.1	−32.0	−31.8	−31.1	−30.8	−31.0	−31.8	−31.6	−32.7	−33.7	−34.0	−33.7	−33.2	−31.9	−21.7	−42.0	20.3

TABLE 32.—*Temperatures—Hourly values, Bolling Advance Base*—Continued

MAY 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−35	−34	−33	−34	−35	−43	−42	−40	−37	−33	−35	−37	−41	−43	−46	−47	−47	−46	−47	−46	−47	−49	−51	−52	−41.7	−33	−52	19
2	−52	−52	−52	−50	−49	−49	−50	−49	−49	−49	−48	−48	−47	−48	−47	−45	−46	−48	−48	−49	−50	−53	−53	−52	−49.3	−45	−54	9
3	−50	−52	−52	−51	−53	−52	−52	−51	−51	−52	−55	−55	−54	−53	−52	−53	−54	−55	−56	−57	−58	−58	−58	−58	−53.8	−50	−58	8
4	−57	−56	−57	−57	−57	−58	−58	−59	−57	−55	−55	−56	−58	−58	−58	−56	−56	−55	−56	−56	−57	−58	−58	−57	−56.9	−54	−59	5
5	−54	−50	−53	−54	−53	−51	−51	−48	−47	−46	−45	−47	−50	−51	−50	−49	−46	−43	−41	−41	−41	−41	−39	−39	−47.1	−38	−58	20
6	−40	−35	−37	−34	−32	−30	−28	−27	−27	−28	−32	−37	−35	−34	−32	−31	−30	−31	−31	−32	−33	−36	−44	−46	−33.4	−27	−46	19
7	−46	−45	−44	−44	−46	−45	−44	−40	−40	−38	−36	−35	−38	−39	−42	−47	−48	−48	−47	−47	−45	−43	−42	−40	−42.9	−32	−48	16
8	−38	−38	−39	−38	−39	−41	−43	−44	−44	−45	−45	−46	−41	−44	−44	−46	−46	−45	−46	−45	−45	−46	−46	−45	−43.3	−37	−46	9
9	−44	−45	−43	−44	−46	−47	−50	−50	−52	−51	−51	−52	−54	−54	−54	−53	−53	−56	−56	−56	−58	−58	−58	−56	−51.7	−43	−58	15
10	−56	−56	−57	−57	−56	−58	−57	−58	−56	−57	−58	−58	−58	−57	−57	−56	−56	−55	−55	−54	−54	−55	−54	−53	−56.2	−53	−58	5
11	−47	−41	−36	−32	−30	−34	−32	−29	−28	−27	−26	−25	−24	−23	−21	−18	−17	−17	−18	−17	−18	−20	−21	−16	−25.7	−16	−53	37
12	−12	−11	−17	−16	−20	−26	−29	−34	−33	−36	−34	−35	−35	−33	−33	−37	−39	−40	−43	−43	−43	−43	−43	−41	−32.3	−10	−43	33
13	−38	−35	−29	−20	−20	−19	−19	−19	−19	−18	−18	−21	−24	−25	−26	−24	−23	−31	−33	−28	−28	−28	−27	−27	−25.0	−18	−40	22
14	−26	−26	−27	−27	−27	−27	−27	−28	−27	−28	−30	−33	−36	−37	−37	−36	−36	−37	−36	−36	−36	−34	−32	−28	−31.4	−26	−38	12
15	−24	−27	−31	−26	−26	−30	−30	−34	−34	−36	−36	−37	−41	−43	−42	−41	−39	−43	−45	−46	−45	−42	−41	−39	−36.6	−24	−46	22
16	−39	−39	−39	−37	−36	−38	−38	−38	−37	−33	−29	−26	−26	−27	−25	−25	−23	−22	−22	−22	−21	−21	−21	−21	−29.4	−21	−39	18
17	−19	−19	−18	−20	−20	−20	−20	−20	−19	−20	−21	−21	−21	−20	−18	−17	−18	−18	−19	−19	−20	−21	−21	−19	−19.5	−17	−21	4
18	−20	−20	−22	−26	−29	−31	−37	−43	−44	−47	−50	−53	−56	−57	−58	−58	−58	−59	−59	−59	−60	−62	−62	−61	−47.1	−19	−62	43
19	−59	−60	−61	−61	−62	−62	−62	−64	−63	−64	−63	−63	−65	−66	−64	−64	−65	−66	−66	−66	−67	−68	−72	−72	−64.4	−59	−72	13
20	−72	−71	−72	−71	−71	−70	−71	−71	−70	−70	−72	−72	−72	−72	−70	−68	−65	−64	−62	−56	−53	−49	−47	−45	−65.7	−45	−73	28
21	−41	−44	−42	−41	−42	−40	−39	−36	−31	−29	−31	−30	−30	−30	−31	−33	−34	−35	−37	−49	−52	−52	−52	−49	−38.8	−27	−52	25
22	−45	−39	−32	−28	−24	−21	−17	−15	−11	−7	−1	7	11	11	11	12	11	9	9	5	0	−5	−5	−5	−7.0	12	−49	61
23	−6	−7	−6	−8	−7	−9	−8	−8	−7	−8	−8	−10	−15	−16	−16	−15	−14	−14	−14	−10	−10	−12	−16	−14	−10.8	−5	−16	11
24	−15	−15	−16	−15	−13	−8	−6	−2	−1	−1	0	2	0	1	5	3	0	2	9	14	16	18	16	10	0.2	18	−16	34
25	6	5	7	8	9	8	8	8	8	8	5	3	2	3	7	12	7	3	1	−1	−2	−5	−6	−6	4.1	12	−6	18
26	−6	−3	−1	0	−6	−5	−2	−4	−4	−4	−6	−2	−3	−4	−6	−9	−12	−14	−19	−20	−18	−18	−20	−20	−8.6	0	−20	20
27	−19	−19	−19	−20	−15	−9	−8	−7	−6	−3	−2	0	−4	−5	−4	−7	−5	−4	−3	−3	−2	−2	0	0	−6.9	1	−20	21
28	0	0	−1	0	0	0	0	−2	−9	−14	−11	−11	−17	−21	−21	−19	−17	−16	−17	−19	−23	−19	−14	−15	−11.1	0	−23	23
29	−18	−9	−9	−15	−17	−11	−12	−19	−13	−14	−15	−14	−12	−11	−10	−14	−20	−20	−15	−12	−6	−2	−5	−12	−12.7	−1	−22	21
30	−15	−16	−13	−13	−9	−7	−6	−1	−4	1	1	1	5	3	5	5	3	4	7	11	11	10	12	13	0.3	13	−16	29
31	11	12	8	11	10	10	8	6	6	5	2	0	1	3	4	2	0	2	1	−6	−12	−7	−4	−3	2.9	12	−12	24
Mean	−31.5	−30.5	−30.4	−29.7	−29.7	−29.8	−29.7	−29.9	−29.2	−29.0	−29.2	−29.4	−30.3	−30.6	−30.1	−30.1	−30.5	−31.0	−31.1	−31.1	−31.5	−31.6	−31.7	−31.2	−30.4	−20.4	−41.2	20.8

JUNE 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	0	0	−3	−7	−10	−11	−11	−10	−9	−6	−4	−4	−5	−4	−5	−3	−1	0	2	5	4	−2	−2	1	−3.5	5	−12	17
2	0	−3	0	3	5	3	4	5	3	3	−3	−4	−7	−11	−13	−16	−17	−19	−17	−12	−9	−7	0	2	−4.6	5	−19	24
3	6	7	6	9	8	9	9	10	3	2	4	0	−4	−3	−1	0	−1	1	3	1	3	10	12	16	4.6	16	−4	20
4	17	17	18	19	12	13	16	12	13	12	10	9	10	8	15	11	7	4	0	4	9	10	11	12	11.2	19	0	19
5	11	15	14	9	7	6	4	2	−1	2	2	−1	−5	−6	−4	−5	−6	−6	−6	−9	−10	−14	−13	−15	−1.2	16	−15	31
6	−16	−15	−15	−15	−15	−16	−15	−16	−16	−16	−16	−17	−20	−21	−21	−21	−25	−22	−25	−23	−24	−23	−25	−21	−19.1	−15	−25	10
7	−23	−23	−24	−25	−24	−28	−30	−35	−34	−35	−37	−39	−41	−43	−41	−42	−40	−42	−43	−44	−41	−39	−41	−40	−35.6	−20	−46	26
8	−39	−36	−36	−39	−37	−30	−27	−27	−24	−23	−23	−20	−23	−22	−27	−29	−29	−16	−10	−16	−17	−15	−13	−10	−24.5	−10	−40	30
9	−11	−10	−17	−20	−22	−24	−26	−28	−30	−31	−31	−28	−33	−33	−32	−33	−31	−33	−30	−32	−32	−32	−26	−2	−26.1	−2	−34	32
10	−9	−15	−9	−9	−9	−12	−13	−12	−14	−20	−22	−21	−22	−18	−12	−9	−5	−3	1	4	0	−6	−3	−10	−10.3	4	−22	26
11	−12	−14	−19	−11	−22	−25	−17	−14	−16	−17	−13	−14	−13	−10	−10	−9	−12	−15	−17	−22	−26	−24	−22	−21	−16.5	−8	−26	18
12	−18	−16	−15	−20	−21	−22	−25	−26	−28	−31	−34	−33	−32	−31	−31	−31	−33	−35	−35	−35	−34	−36	−37	−34	−28.9	−14	−38	24
13	−34	−31	−30	−29	−28	−27	−28	−26	−25	−27	−26	−26	−27	−29	−29	−29	−27	−28	−27	−26	−28	−28	−25	−24	−27.7	−24	−34	10
14	−26	−27	−26	−26	−25	−25	−24	−23	−21	−20	−20	−18	−17	−15	−10	−5	−2	−1	−2	2	−1	−3	1	5	−13.7	6	−27	33
15	4	−1	3	4	4	6	4	−1	−4	−6	−8	−12	−15	−14	−13	−12	−16	−17	−19	−21	−24	−20	−20	−21	−9.1	7	−24	31
16	−22	−21	−18	−14	−14	−11	−7	−3	6	7	7	7	6	3	3	1	1	0	−1	−2	−5	−11	−12	−8	−4.5	8	−22	30
17	−8	−8	−7	−6	−7	−7	−8	−9	−9	−11	−15	−26	−33	−34	−36	−39	−40	−43	−43	−42	−40	−40	−39	−39	−24.5	−6	−44	38
18	−39	−39	−38	−41	−42	−41	−36	−34	−31	−27	−22	−20	−22	−26	−30	−34	−34	−36	−42	−44	−41	−37	−34	−33	−34.3	−19	−44	25
19	−37	−38	−39	−38	−37	−33	−31	−32	−29	−28	−31	−33	−36	−37	−37	−35	−32	−29	−28	−27	−25	−24	−24	−22	−31.8	−22	−39	17
20	−22	−24	−25	−21	−20	−19	−19	−18	−19	−21	−23	−21	−24	−24	−27	−27	−27	−28	−31	−32	−33	−33	−35	−32	−25.2	−18	−35	17
21	−27	−25	−24	−24	−24	−25	−25	−25	−25	−25	−28	−32	−33	−34	−35	−35	−36	−38	−39	−40	−41	−41	−40	−40	−31.7	−24	−41	17
22	−40	−41	−43	−43	−45	−46	−46	−47	−46	−46	−48	−48	−44	−47	−49	−50	−50	−48	−44	−49	−50	−49	−46	−45	−46.2	−40	−50	10
23	−45	−43	−43	−44	−44	−42	−41	−42	−40	−37	−37	−39	−40	−42	−42	−42	−40	−36	−32	−31	−33	−35	−31	−28	−38.7	−28	−45	17
24	−28	−29	−31	−33	−33	−35	−35	−37	−36	−29	−25	−25	−25	−27	−31	−31	−32	−33	−36	−38	−41	−41	−40	−38	−32.9	−24	−41	17
25	−36	−36	−42	−36	−28	−22	−21	−26	−32	−31	−35	−32	−37	−40	−40	−42	−44	−43	−44	−44	−45	−46	−47	−45	−37.2	−21	−47	26
26	−46	−43	−45	−47	−47	−46	−47	−47	−44	−42	−43	−35	−30	−26	−34	−37	−35	−36	−37	−38	−38	−38	−38	−37	−39.8	−25	−47	22
27	−39	−39	−43	−46	−45	−49	−48	−50	−48	−49	−49	−50	−50	−51	−52	−54	−54	−54	−55	−55	−56	−58	−58	−56	−50.3	−37	−58	21
28	−54	−54	−54	−55	−55	−56	−56	−57	−57	−56	−56	−56	−57	−58	−59	−58	−56	−54	−53	−52	−52	−50	−52	−51	−54.9	−50	−59	9
29	−50	−51	−54	−54	−52	−47	−43	−42	−38	−35	−33	−33	−35	−44	−48	−51	−51	−51	−52	−53	−52	−51	−50	−47	−46.5	−33	−55	22
30	−47	−45	−42	−45	−46	−44	−43	−44	−43	−41	−43	−43	−43	−46	−48	−48	−45	−45	−44	−46	−50	−52	−55	−55	−46.0	−41	−56	15
Mean	−23.0	−22.9	−23.4	−23.5	−23.9	−23.5	−22.8	−23.4	−23.1	−22.8	−23.4	−23.8	−25.2	−26.2	−26.6	−27.2	−27.1	−26.9	−26.9	−27.2	−27.7	−27.8	−26.8	−24.6	−25.0	−13.1	−35.0	21.9

TABLE 32.—*Temperatures—Hourly values, Bolling Advance Base*—Continued

JULY 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−58	−57	−57	−59	−57	−60	−60	−60	−60	−61	−63	−61	−60	−64	−65	−65	−65	−63	−63	−63	−61	−57	−56	−55	−60.4	−55	−65	10
2	−54	−54	−53	−54	−56	−57	−52	−51	−51	−51	−55	−57	−57	−59	−60	−60	−60	−57	−53	−50	−49	−48	−50	−52	−54.2	−48	−61	13
3	−51	−49	−50	−51	−55	−57	−58	−60	−61	−62	−61	−61	−59	−59	−62	−61	−60	−60	−59	−56	−51	−47	−45	−43	−55.8	−43	−62	19
4	−45	−42	−43	−45	−45	−44	−43	−40	−41	−43	−45	−45	−44	−45	−47	−48	−49	−49	−43	−39	−39	−42	−42	−40	−43.7	−39	−50	11
5	−39	−41	−38	−37	−37	−37	−37	−36	−31	−29	−26	−22	−22	−21	−21	−21	−21	−21	−22	−24	−28	−32	−36	−40	−30.0	−20	−41	21
6	−41	−43	−46	−50	−52	−54	−53	−55	−55	−55	−56	−56	−55	−57	−58	−60	−59	−59	−59	−60	−61	−61	−60	−58	−55.1	−40	−61	21
7	−58	−55	−50	−49	−51	−52	−50	−52	−54	−56	−56	−56	−54	−57	−57	−59	−61	−59	−61	−62	−62	−61	−60	−60	−56.3	−48	−62	14
8	−60	−60	−61	−63	−63	−62	−62	−61	−61	−62	−62	−62	−60	−62	−64	−64	−64	−62	−63	−62	−61	−62	−61	−60	−61.8	−59	−64	5
9	−59	−58	−56	−54	−50	−47	−46	−44	−39	−42	−43	−44	−44	−45	−48	−50	−52	−52	−52	−52	−53	−54	−54	−53	−49.6	−39	−60	21
10	−52	−52	−52	−53	−53	−53	−53	−52	−51	−51	−51	−51	−50	−50	−53	−56	−56	−58	−57	−56	−56	−57	−57	−54	−53.5	−50	−58	8
11	−55	−54	−52	−54	−53	−53	−53	−53	−53	−55	−54	−54	−53	−52	−55	−57	−57	−56	−56	−58	−60	−62	−62	−63	−55.6	−52	−63	11
12	−61	−63	−63	−61	−62	−63	−63	−61	−61	−61	−61	−62	−64	−63	−62	−61	−60	−57	−58	−58	−60	−63	−63	−63	−61.4	−57	−64	7
13	−61	−60	−59	−60	−61	−60	−62	−61	−62	−63	−64	−65	−64	−64	−65	−67	−66	−68	−66	−68	−69	−69	−71	−70	−64.4	−59	−71	12
14	−70	−70	−69	−68	−66	−66	−66	−66	−65	−64	−64	−63	−59	−60	−61	−59	−59	−59	−59	−60	−63	−64	−64	−63	−63.6	−59	−71	12
15	−63	−64	−65	−66	−68	−68	−68	−68	−67	−66	−64	−64	−64	−63	−64	−63	−61	−60	−57	−55	−56	−54	−56	−52	−62.3	−52	−68	16
16	−51	−49	−48	−46	−47	−46	−48	−50	−50	−49	−48	−48	−47	−50	−53	−54	−52	−51	−49	−48	−51	−52	−51	−48	−49.4	−46	−54	8
17	−45	−44	−43	−42	−41	−41	−41	−42	−43	−42	−47	−51	−55	−57	−57	−58	−56	−58	−57	−48	−39	−34	−38	−38	−46.5	−33	−58	25
18	−34	−29	−33	−31	−34	−32	−32	−30	−30	−31	−32	−32	−30	−32	−34	−37	−38	−40	−40	−39	−41	−42	−43	−42	−34.9	−28	−43	15
19	−44	−43	−42	−41	−41	−39	−40	−39	−38	−36	−32	−32	−30	−30	−31	−31	−30	−29	−31	−29	−30	−32	−27	−23	−34.2	−23	−44	21
20	−23	−27	−32	−36	−45	−52	−55	−56	−59	−60	−61	−61	−61	−62	−61	−62	−62	−64	−64	−65	−68	−69	−70	−75	−56.2	−22	−75	53
21	−76	−77	−78	−78	−78	−78	−78	−78	−78	−77	−77	−77	−77	−77	−76	−76	−75	−75	−76	−78	−77	−78	−78	−78	−77.1	−75	−78	3
22	−78	−78	−77	−78	−77	−76	−72	−69	−68	−66	−67	−68	−70	−69	−68	−66	−64	−64	−65	−65	−67	−68	−70	−71	−70.0	−64	−78	14
23	−72	−72	−70	−71	−71	−71	−72	−73	−73	−73	−72	−72	−68	−67	−68	−68	−63	−60	−53	−55	−56	−58	−61	−67	−66.9	−53	−73	20
24	−67	−65	−62	−59	−58	−58	−59	−60	−60	−59	−58	−56	−56	−55	−55	−55	−52	−48	−47	−46	−43	−42	−41	−39	−54.2	−39	−67	28
25	−38	−36	−34	−34	−35	−35	−35	−36	−36	−36	−35	−35	−36	−34	−35	−35	−34	−34	−33	−32	−32	−33	−32	−31	−34.4	−31	−39	8
26	−30	−31	−31	−31	−30	−29	−28	−28	−25	−23	−21	−19	−17	−17	−18	−18	−16	−14	−14	−14	−13	−13	−12	−11	−21.0	−11	−32	21
27	−9	−8	−4	−2	−1	0	−1	−2	−3	−3	−3	−6	−7	−9	−11	−12	−14	−15	−15	−18	−22	−24	−26	−29	−10.2	0	−29	29
28	−32	−34	−34	−35	−36	−37	−37	−38	−40	−43	−45	−46	−46	−49	−52	−53	−53	−54	−54	−55	−54	−56	−57	−57	−45.7	−29	−57	28
29	−58	−59	−60	−59	−59	−56	−55	−54	−54	−55	−54	−54	−54	−56	−57	−59	−58	−57	−58	−57	−61	−64	−61	−60	−57.5	−54	−64	10
30	−60	−60	−58	−57	−55	−55	−55	−55	−55	−56	−56	−56	−54	−56	−59	−59	−57	−59	−59	−60	−59	−63	−64	−61	−57.8	−54	−64	10
31	−61	−60	−59	−59	−60	−61	−63	−60	−57	−58	−59	−61	−62	−64	−64	−63	−64	−62	−59	−52	−46	−44	−42	−43	−57.6	−42	−64	22
Mean	−51.8	−51.4	−50.9	−51.1	−51.5	−51.6	−51.5	−51.3	−51.0	−51.2	−51.4	−51.5	−50.9	−51.8	−52.9	−53.4	−52.8	−52.4	−51.7	−51.1	−51.2	−51.8	−51.9	−51.6	−51.7	−42.7	−59.4	16.7

AUGUST 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−46	−48	−49	−51	−52	−51	−48	−47	−47	−47	−46	−47	−47	−46	−45	−44	−40	−38	−36	−35	−34	−35	−34	−34	−43.6	−34	−52	18
2	−29	−27	−26	−27	−27	−32	−33	−34	−32	−32	−27	−25	−24	−25	−21	−18	−16	−16	−16	−16	−14	−4	−2	−3	−21.9	−1	−34	33
3	−1	4	3	1	0	−5	−9	−8	−12	−16	−18	−17	−16	−17	−17	−18	−19	−23	−28	−31	−32	−39	−37	−35	−16.2	4	−39	43
4	−36	−39	−38	−34	−33	−32	−31	−32	−32	−32	−32	−32	−34	−36	−42	−45	−43	−46	−46	−46	−46	−44	−38	−35	−37.7	−31	−47	16
5	−32	−30	−22	−16	−19	−14	−16	−17	−18	−25	−23	−20	−25	−24	−27	−26	−25	−28	−30	−31	−31	−33	−35	−31	−24.9	−14	−35	21
6	−31	−32	−32	−31	−30	−32	−34	−33	−34	−34	−35	−37	−40	−42	−44	−45	−43	−44	−46	−47	−50	−53	−54	−55	−39.9	−29	−55	26
7	−56	−57	−57	−57	−56	−57	−56	−54	−51	−42	−41	−41	−42	−46	−46	−46	−44	−45	−46	−50	−54	−55	−55	−55	−50.4	−41	−57	16
8	−55	−54	−55	−53	−52	−48	−43	−41	−44	−41	−41	−40	−35	−35	−38	−37	−41	−38	−41	−40	−39	−39	−38	−40	−42.8	−34	−55	21
9	−40	−38	−35	−35	−34	−34	−34	−35	−29	−26	−22	−19	−16	−16	−17	−18	−20	−23	−29	−34	−36	−36	−35	−35	−29.0	−15	−40	25
10	−25	−21	−18	−15	−16	−23	−29	−31	−31	−31	−33	−33	−34	−37	−39	−40	−41	−41	−41	−34	−34	−36	−38	−38	−31.6	−15	−42	27
11	−39	−39	−38	−36	−38	−38	−38	−39	−40	−42	−41	−40	−42	−43	−43	−45	−44	−44	−46	−48	−50	−53	−54	−57	−43.2	−36	−57	21
12	−57	−56	−56	−57	−57	−56	−56	−56	−57	−58	−59	−60	−62	−62	−62	−61	−61	−60	−59	−58	−60	−60	−59	−56	−58.5	−56	−62	6
13	−55	−50	−45	−37	−41	−42	−44	−48	−51	−52	−50	−50	−49	−52	−45	−39	−35	−32	−32	−32	−34	−37	−41	−43	−43.2	−32	−57	25
14	−44	−47	−50	−52	−50	−50	−48	−44	−41	−39	−39	−40	−41	−41	−39	−39	−40	−42	−45	−46	−51	−57	−61	−61	−46.1	−39	−61	22
15	−62	−62	−63	−64	−64	−66	−66	−67	−67	−66	−66	−67	−66	−66	−66	−62	−62	−61	−60	−59	−57	−55	−49	−44	−62.0	−44	−67	23
16	−40	−39	−40	−39	−39	−37	−32	−30	−28	−27	−27	−26	−29	−29	−29	−29	−28	−29	−28	−27	−29	−31	−30	−29	−31.3	−26	−40	14
17	−28	−28	−30	−29	−26	−27	−26	−25	−24	−23	−24	−24	−25	−25	−24	−25	−28	−32	−37	−33	−32	−33	−35	−39	−28.4	−23	−39	16
18	−46	−50	−51	−46	−40	−37	−36	−36	−38	−42	−49	−53	−55	−56	−56	−56	−53	−50	−48	−52	−51	−45	−43	−40	−47.0	−36	−56	20
19	−44	−44	−38	−33	−35	−37	−36	−30	−27	−22	−20	−23	−30	−32	−33	−45	−48	−49	−51	−52	−51	−52	−52	−50	−38.9	−20	−53	33
20	−50	−50	−48	−48	−47	−47	−47	−48	−49	−51	−55	−61	−72	−72	−71	−70	−72	−70	−70	−70	−73	−74	−75	−76	−61.1	−47	−77	30
21	−76	−75	−75	−76	−75	−75	−77	−77	−76	−75	−75	−74	−75	−74	−74	−72	−69	−71	−68	−66	−64	−64	−60	−59	−71.8	−59	−77	18
22	−59	−57	−57	−53	−48	−46	−50	−53	−53	−52	−52	−51	−50	−52	−53	−55	−57	−57	−57	−59	−66	−69	−70	−70	−56.1	−46	−70	24
23	−69	−70	−66	−64	−59	−57	−58	−56	−58	−56	−56	−58	−61	−63	−64	−66	−66	−65	−66	−70	−72	−74	−76	−75	−64.4	−56	−76	20
24	−74	−74	−73	−74	−74	−75	−75	−76	−74	−73	−73	−73	−75	−74	−76	−75	−75	−76	−76	−75	−76	−76	−76	−75	−74.7	−73	−76	3
25	−70	−61	−58	−53	−49	−50	−49	−48	−48	−49	−49	−51	−54	−57	−58	−59	−62	−65	−68	−68	−62	−63	−58	−53	−56.8	−48	−75	27
26	−48	−43	−39	−41	−41	−43	−46	−52	−54	−57	−58	−60	−62	−63	−64	−66	−67	−64	−63	−59	−60	−60	−61	−62	−55.5	−38	−67	29
27	−63	−64	−66	−67	−69	−71	−71	−70	−70	−69	−70	−70	−70	−72	−72	−72	−69	−68	−65	−62	−59	−50	−44	−39	−65.1	−39	−72	33
28	−25	−21	−18	−17	−17	−16	−16	−17	−17	−18	−19	−20	−21	−24	−24	−25	−26	−31	−30	−30	−30	−28	−33	−43	−23.6	−16	−43	27
29	−46	−44	−39	−39	−42	−44	−48	−49	−47	−44	−40	−48	−50	−53	−52	−53	−54	−46	−50	−53	−56	−59	−61	−61	−49.1	−39	−61	22
30	−61	−61	−59	−58	−58	−58	−58	−59	−62	−64	−67	−68	−68	−66	−66	−65	−67	−71	−68	−68	−71	−73	−74	−74	−65.2	−58	−74	16
31	−75	−76	−76	−74	−74	−73	−75	−75	−74	−73	−71	−71	−69	−69	−70	−70	−72	−72	−72	−70	−68	−66	−64	−61	−71.2	−61	−77	16
Mean	−47.8	−46.9	−45.6	−44.4	−43.9	−44.3	−44.7	−44.7	−44.7	−44.5	−44.5	−45.1	−46.4	−47.4	−47.6	−47.9	−48.0	−48.3	−49.0	−49.1	−49.7	−50.1	−49.7	−49.3	−46.8	−35.5	−57.8	22.3

TABLE 32.—*Temperatures—Hourly values, Bolling Advance Base*—Continued

SEPTEMBER 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−55	−51	−49	−48	−47	−46	−45	−46	−46	−45	−43	−43	−41	−41	−41	−43	−45	−46	−46	−49	−50	−50	−51	−50	−46.5	−41	−61	20
2	−48	−46	−48	−50	−51	−50	−49	−45	−39	−40	−30	−27	−28	−38	−42	−44	−43	−44	−43	−39	−34	−30	−33	−33	−40.6	−27	−53	26
3	−34	−35	−35	−37	−39	−38	−41	−44	−45	−45	−46	−47	−47	−49	−51	−52	−52	−53	−53	−53	−54	−54	−54	−53	−46.3	−33	−54	21
4	−52	−51	−50	−49	−48	−49	−48	−48	−48	−47	−47	−43	−40	−32	−23	−24	−22	−17	−12	−11	−12	−11	−6	−5	−33.1	−5	−53	48
5	−5	−6	−7	−7	−8	−6	−7	−10	−11	−11	−14	−17	−19	−19	−20	−21	−22	−23	−25	−21	−21	−23	−23	−25	−15.4	−5	−25	20
6	−23	−25	−26	−26	−24	−23	−22	−23	−24	−26	−28	−32	−36	−38	−40	−38	−37	−38	−45	−48	−50	−45	−45	−45	−33.6	−22	−50	28
7	−46	−47	−48	−45	−45	−47	−54	−58	−60	−60	−60	−60	−64	−64	−65	−66	−66	−65	−65	−65	−68	−69	−70	−70	−59.4	−45	−70	25
8	−69	−68	−68	−68	−67	−66	−63	−64	−60	−58	−57	−56	−59	−62	−63	−64	−64	−66	−66	−67	−68	−69	−71	−72	−64.8	−56	−72	16
9	−72	−72	−70	−70	−70	−71	−69	−69	−68	−67	−65	−65	−64	−63	−61	−59	−56	−51	−48	−49	−50	−53	−58	−55	−62.3	−48	−72	24
10	−55	−50	−48	−47	−48	−49	−52	−53	−55	−54	−55	−55	−56	−56	−56	−56	−57	−58	−58	−58	−59	−60	−62	−62	−55.0	−47	−62	15
11	−63	−62	−63	−62	−62	−63	−60	−57	−54	−56	−55	−56	−58	−58	−56	−58	−55	−53	−53	−55	−56	−59	−60	−59	−58.0	−53	−63	10
12	−61	−61	−62	−62	−63	−64	−65	−64	−62	−61	−60	−55	−59	−61	−62	−64	−65	−66	−66	−65	−66	−67	−68	−69	−63.2	−55	−69	14
13	−68	−68	−69	−69	−69	−68	−69	−69	−67	−64	−63	−64	−65	−67	−69	−69	−70	−70	−70	−70	−70	−71	−71	−71	−68.3	−63	−71	8
14	−71	−70	−69	−69	−68	−68	−68	−67	−66	−64	−65	−62	−66	−68	−69	−70	−70	−69	−68	−69	−69	−69	−70	−67	−68.0	−62	−71	9
15	−66	−65	−64	−64	−64	−64	−65	−63	−58	−54	−52	−50	−47	−48	−50	−50	−47	−44	−43	−44	−45	−45	−48	−45	−53.5	−43	−67	24
16	−44	−48	−51	−55	−57	−56	−55	−52	−49	−50	−51	−51	−52	−54	−56	−59	−61	−62	−63	−64	−65	−67	−68	−68	−56.6	−42	−68	26
17	−68	−66	−65	−64	−64	−64	−63	−62	−58	−57	−55	−55	−58	−60	−60	−61	−61	−60	−60	−58	−56	−57	−56	−53	−60.0	−53	−68	15
18	−50	−48	−45	−46	−49	−49	−53	−50	−48	−48	−49	−47	−46	−47	−51	−54	−56	−55	−56	−49	−42	−39	−37	−37	−48.0	−37	−56	19
19	−37	−35	−32	−30	−27	−27	−27	−26	−26	−26	−26	−23	−23	−22	−23	−23	−23	−24	−24	−23	−24	−25	−28	−34	−26.6	−22	−37	15
20	−34	−32	−32	−32	−32	−32	−35	−35	−36	−34	−34	−34	−34	−34	−34	−32	−34	−33	−33	−31	−31	−31	−29	−29	−32.8	−29	−36	7
21	−27	−26	−26	−26	−26	−25	−24	−23	−19	−17	−16	−15	−16	−15	−16	−21	−25	−26	−28	−30	−31	−32	−34	−34	−24.1	−15	−34	19
22	−34	−33	−34	−34	−34	−35	−35	−34	−32	−31	−30	−31	−34	−34	−35	−36	−40	−40	−34	−28	−22	−18	−15	−13	−31.1	−13	−41	28
23	−12	−12	−14	−14	−15	−16	−17	−20	−22	−23	−23	−19	−17	−13	−10	−8	−5	−5	−5	−6	−8	−13	−20	−23	−14.2	−5	−23	18
24	−22	−22	−23	−23	−21	−21	−20	−18	−16	−15	−15	−14	−18	−23	−29	−30	−31	−32	−32	−33	−35	−37	−37	−37	−25.2	−14	−38	24
25	−37	−36	−35	−33	−28	−27	−26	−25	−24	−23	−22	−21	−20	−20	−20	−22	−22	−21	−22	−23	−25	−29	−35	−38	−26.4	−20	−38	18
26	−40	−42	−43	−43	−45	−45	−44	−43	−39	−35	−33	−36	−36	−36	−37	−41	−42	−45	−45	−47	−48	−48	−49	−47	−42.0	−33	−49	16
27	−42	−38	−36	−32	−31	−31	−32	−32	−29	−27	−26	−26	−29	−30	−33	−36	−36	−33	−29	−27	−27	−29	−28	−29	−31.2	−25	−47	22
28	−26	−25	−28	−31	−33	−34	−35	−35	−34	−32	−31	−30	−29	−28	−29	−30	−32	−32	−31	−33	−37	−39	−38	−34	−31.9	−25	−39	14
29	−31	−30	−29	−28	−28	−31	−35	−36	−36	−36	−34	−35	−36	−37	−37	−41	−44	−47	−50	−52	−52	−52	−52	−52	−39.2	−28	−52	24
30	−49	−47	−43	−38	−32	−27	−21	−17	−16	−12	−5	−1	−1	0	−1	−1	−3	−16	−28	−35	−38	−39	−37	−35	−22.6	0	−52	52
Mean	44.7	−43.9	−43.7	−43.4	−43.2	−43.1	−43.3	−42.9	−41.6	−40.6	−39.7	−39.0	−39.9	−40.6	−41.3	−42.4	−42.9	−43.1	−43.4	−43.4	−43.8	−44.3	−45.1	−44.8	−42.7	−32.2	−53.0	20.8

OCTOBER 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	−32	−35	−35	−36	−36	−38	−37	−38	−37	−38	−37	−37	−39	−40	−39	−41	−44	−45	−47	−49	−49	−50	−50	−50	−40.8	−32	−50	18
2	−49	−46	−44	−43	−43	−43	−42	−40	−38	−36	−36	−36	−35	−34	−30	−38	−26	−25	−25	−24	−24	−24	−24	−24	−34.5	−24	−50	26
3	−25	−25	−27	−24	−23	−22	−22	−23	−25	−25	−24	−25	−26	−26	−26	−26	−26	−27	−29	−31	−31	−31	−31	−31	−26.3	−22	−31	9
4	−31	−29	−27	−27	−25	−24	−23	−22	−22	−21	−20	−19	−19	−19	−18	−18	−17	−16	−17	−17	−16	−16	−16	−17	−20.7	−16	−31	15
5	−16	−16	−17	−17	−18	−18	−19	−19	−18	−17	−16	−16	−16	−16	−14	−10	−8	−5	−3	0	1	7	11	14	−10.2	14	−19	33
6	14	12	9	4	0	4	8	1	−2	−6	−8	−11	−16	−19	−20	−21	−21	−21	−20	−19	−16	−12	−11	−9	−7.5	14	−21	35
7	−8	−10	−10	−10	−8	−6	−5	−4	−4	−4	−3	−2	−5	−7	−8	−9	−9	−8	−10	−11	−12	−14	−16	−16	−8.3	−2	−16	14
8	−14	−12	−11	−9	−6	−4	−1	2	3	5	5	7	9	9	9	7	6	4	4	6	7	6	6	6	1.8	9	−16	25
9	7	7	6	1	2	4	5	6	6	4	4	3	4	3	3	1	0	0	1	0	−1	−1	−2	−2	2.5	7	−2	9
10	−3	−4	−3	−3	−3	−3	−2	−1	0	0	1	1	1	−1	−3	−5	−5	−6	−4	−3	−3	−3	−3	−2	−2.4	1	−6	7
11	−1	−2	−3	−5	−5	−4	−4	−3	−3	−3	−3	−2	−3	−5	−8	−10	−12	−14	−15	−18	−21	−19	−20	−22	−8.5	−1	−22	21
Mean	−14.4	−14.5	−14.7	−15.4	−15.0	−14.0	−12.9	−12.8	−12.7	−12.8	−12.5	−12.5	−13.2	−14.1	−14.0	−15.5	−14.7	−14.8	−15.0	−15.1	−15.0	−14.3	−14.2	−13.9	−14.1	−4.7	−24.0	19.3

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*

JANUARY 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 5	(SW) 5	(SW) 5	(SW) 5	(SW) 5	(SW) 5	(SW) 5	SW 5	(SW) 4	(SW) 5	(SW) 5	SW 5	W 6
2	(S) 9	(S) 8	(S) 5	(S) 2	(S) 3	S 3	S 2	S 2	(S) 3	(S) 3	(S) 3	(S) 4	(S) 5
3	(W) 3	(W) 4	(NW) 3	(NW) 4	(N) 5	(NE) 5	(NE) 5	NE 5	(NE) 5	(NE) 5	(E) 6	E 6	E 10
4	(E) 13	(SE) 12	(SE) 11	(SE) 13	(SE) 12	SE 15	(SE) 12	E 9	E 12	E 12	E 12	E 12	E 13
5	(SE) 12	(SE) 9	(SE) 9	(SE) 8	(SE) 7	SE 6	(SE) 8	SE 9	(SE) 9	(SE) 9	(SE) 9	SE 10	(SE) 8
6	(NE) 5	(N) 7	(N) 9	N 10	(N) 10	(N) 9	(NE) 9	NE 10	(NE) 11	(NE) 12	(NE) 14	(NE) 13	(NE) 15
7	(W) 7	(W) 6	(W) 5	(W) 4	(W) 4	W 3	(NW) 3	N 3	(N) 3	(N) 3	(NE) 4	(NE) 4	(E) 2
8	(S) 17	(SW) 19	(SW) 18	(SW) 19	(SW) 19	SW 18	(SW) 20	SW 18	(SW) 16	S 17	(S) 15	(S) 18	(S) 15
9	2	5	7	7	8	9	10	N 11	(N) 13	NE 14	(NE) 14	(NE) 15	(N) 15
10	(E) 12	(E) 12	(E) 11	(E) 13	E 17	(E) 16	(SE) 22	SE 22	(SE) 22	(SE) 24	(SE) 25	(SE) 26	SE 27
11	SW 14	SW 15	(SW) 16	SW 18	(SW) 17	SW 16	(SW) 18	SW 21	SW 21	(SW) 23	W 22	(W) 21	(SW) 19
12	(W) 6	(W) 6	(SW) 6	(SW) 4	(SW) 3	(S) 4	(S) 7	S 4	(S) 5	(SE) 3	(SE) 4	(E) 4	(NE) 6
13	(N) 10	N 10	(N) 9	(N) 9	(N) 9	N 9	(N) 10	N 9	(N) 9	N 8	(N) 6	(NE) 4	(E) 7
14	(E) 8	(E) 7	(E) 8	(E) 9	(E) 8	(E) 8	(E) 6	E 7	E 9	(E) 9	(E) 6	(E) 7	(E) 5
15	(SE) 7	(SE) 6	(SE) 11	(SE) 5	(SE) 3	SE 8	(SE) 10	SE 11	(SE) 12	SE 12	(SE) 11	(E) 10	E 9
16	(S) 7	(S) 7	(S) 8	(S) 8	(S) 6	S 6	(S) 7	SE 9	S 9	(S) 9	(S) 10	(S) 10	(S) 9
17	(S) 9	(S) 8	(S) 9	(S) 9	(S) 8	S 8	(S) 9	S 9	(S) 8	(S) 6	(S) 9	(S) 8	(S) 9
18	(S) 9	(S) 11	(S) 12	(S) 11	(S) 13	(S) 13	(S) 12	S 14	(S) 14	SW 15	(SW) 17	(SW) 18	(S) 21
19	(W) 13	(SW) 13	(SW) 8	(S) 12	(S) 13	S 9	(S) 10	S 9	(S) 10	(S) 11	(S) 12	(S) 12	(S) 11
20	(S) 14	(S) 18	(S) 16	(S) 17	(S) 20	S 21	(S) 22	S 21	(S) 20	(S) 17	(S) 18	(S) 18	(S) 16
21	(SE) 12	(E) 12	(E) 11	(E) 10	(E) 10	E 9	(E) 10	E 11	(E) 11	(E) 10	(E) 10	(E) 10	(E) 9
22	(E) 15	(E) 14	(E) 12	(E) 10	(E) 4	(E) 4	(E) 8	E 8	SE 6	(SE) 5	(SE) 2	(S) 2	(S) 3
23	(SE) 2	(SE) 3	(S) 4	(S) 5	(SW) 5	(SW) 4	(SW) 8	SW 8	(SW) 9	(SW) 9	(SW) 12	(S) 12	(S) 13
24	(SW) 15	(SW) 16	(SW) 15	(SW) 12	(W) 12	(W) 9	(W) 6	W 6	SW 4	(SW) 2	W 5	W 7	(W) 12
25	5	3	4	8	9	11	7	E 4	(E) 2	(E) 5	(E) 8	(E) 8	(E) 9
26	(E) 7	(NE) 8	(NE) 10	(NE) 10	(NE) 11	NE 12	(NE) 11	NE 9	(NE) 8	(NE) 8	NE 5	(NE) 4	(N) 6
27	(SW) 12	(SW) 12	(SW) 14	SW 10	(SW) 9	SW 9	(SW) 9	SW 10	(SW) 8	(SW) 8	(SW) 12	(SW) 13	(SW) 12
28	(SW) 3	(SW) 5	(SW) 5	(W) 6	(W) 5	(W) 6	(W) 3	W 3	4	4	4	2	4
29	NE 14	(NE) 14	(NE) 12	NE 8	(NE) 4	(NE) 8	(NE) 9	NE 5	(NE) 6	(E) 6	(E) 6	(SE) 9	(S) 10
30	(SW) 12	(SW) 12	(SW) 10	(SW) 9	(SW) 8	SW 6	(SW) 5	S 5	(S) 5	(S) 4	(S) 5	(S) 4	(S) 4
31	(NE) 11	NE 12	(NE) 12	(NE) 12	(NE) 12	(E) 12	(E) 12	E 13	(E) 14	(E) 14	(E) 14	(E) 13	(E) 10
Prevailing direction	S, SW	SW	SW	S	SW	S	S	S	S	S	E, S	E, S	S
Mean velocity	9.4	9.6	9.5	9.3	9.0	9.1	9.5	9.4	9.4	9.4	9.8	10.0	10.3

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	SW 8	(SW) 7	(SW) 7	(SW) 6	(SW) 6	SW 3	SW 3	(SW) 4	(SW) 4	(S) 6	S 7	SW	5.2	SW	8
2	(S) 6	(SW) 7	(SW) 5	(SW) 3	(SW) 2	(SW) 4	SW 3	(SW) 5	(SW) 5	(W) 4	W 3	S	4.1	(S)	9
3	E 11	(E) 11	(E) 10	(NE) 9	NE 9	(NE) 9	E 10	(E) 12	(E) 13	(E) 14	(E) 13	E	7.8	(E)	15
4	E 12	E 12	E 10	E 9	E 9	E 9	SE 8	(SE) 9	(SE) 10	(SE) 11	SE 11	E	11.2	SE	16
5	E 7	(E) 8	(E) 6	(SE) 7	(SE) 8	SE 8	E 8	(E) 9	(NE) 11	NE 12	(NE) 8	SE	8.5	(SE)	12
6	NE 14	(NE) 12	(NE) 12	(NE) 14	NE 12	(NE) 13	N 12	N 10	N 9	(NW) 9	W 8	NE	10.8	(NE)	18
7	E 3	(E) 5	(E) 8	(SE) 9	(S) 10	(S) 9	S 9	(S) 12	(S) 15	(S) 18	(S) 18	S	7.0	(S)	20
8	S 16	(S) 15	(S) 15	(S) 14	S 13	(S) 12	S 9	9	5	5	3	S	14.4	(SW)	22
9	N 15	(N) 15	NE 15	(NE) 17	(NE) 18	(NE) 18	NE 18	(NE) 19	(E) 17	E 18	(E) 17	NE	13.2	NE	21
10	S 25	(S) 24	(S) 24	(S) 24	(S) 24	(S) 24	S 24	(S) 22	(S) 16	(SW) 9	(SW) 10	S	19.8	(SE)	46
11	S 20	(S) 19	(S) 18	(SW) 16	SW 14	(SW) 14	SW 13	SW 12	(SW) 6	(W) 9	W 7	SW	16.2	(SW)	31
12	NE 6	(NE) 8	(NE) 11	(NE) 10	(N) 10	(N) 11	N 11	(N) 11	(N) 11	(N) 12	(N) 12	N	7.3	(N)	13
13	E 7	(E) 6	(E) 6	(E) 6	(E) 7	(E) 6	E 7	(E) 9	(E) 7	(E) 6	(E) 8	E	7.7	(N)	12
14	E 3	(E) 5	(E) 3	(E) 3	(E) 4	(E) 5	E 3	(E) 6	(E) 7	(E) 4	(E) 5	E	6.0	E	10
15	SE 12	(SE) 11	(SE) 9	(SE) 7	(S) 6	(S) 7	S 7	(S) 7	(S) 8	(S) 9	S 7	SE	8.5	(SE)	13
16	S 8	(S) 7	(S) 9	(S) 8	(S) 8	(S) 8	S 9	(S) 9	S 8	(S) 9	(S) 9	S	8.2	(S)	12
17	S 8	(S) 8	(S) 6	(S) 5	(S) 6	(S) 6	S 8	(S) 6	S 6	(S) 7	(S) 6	S	7.5	(S)	10
18	S 20	(S) 19	(S) 21	(SW) 19	SW 18	(SW) 19	SW 18	SW 13	W 12	W 10	(W) 9	S	14.9	(S)	24
19	S 12	(S) 12	(S) 12	(S) 12	(S) 13	(S) 15	S 15	(S) 14	(S) 12	(S) 15	(S) 12	S	12.0	(S)	17
20	S 20	(S) 18	(S) 16	(S) 15	(S) 14	(S) 13	S 13	SE 11	(SE) 12	(SE) 9	(SE) 11	S	16.3	(S)	26
21	E 7	(E) 9	(E) 9	(E) 9	E 9	(E) 9	E 11	E 12	(E) 12	(E) 12	E 14	E	10.3	E	14
22	S 14	(S) 3	(S) 4	(SE) 3	SE 3	(SE) 2	E 3	(E) 3	(E) 5	(E) 3	(SE) 2	E	5.3	(E)	15
23	S 15	(S) 17	(S) 18	(S) 18	(S) 18	(S) 19	S 18	(S) 18	(S) 16	(S) 17	(S) 15	S	11.8	(S)	20
24	W 8	(W) 6	(W) 6	(SW) 7	SW 6	(SW) 4	W 5	3	3	3	3	W	7.3	(SW)	18
25	E 9	(E) 9	(E) 3	(E) 4	(E) 7	(E) 10	E 9	(E) 9	(E) 9	(E) 9	(E) 9	E	7.1	(E)	11
26	N 5	4	9	9	6	3	S 4	(S) 4	(S) 3	(S) 3	(S) 4	NE	6.8	(NE)	14
27	SW 10	SW 9	(SW) 9	(SW) 11	(SW) 9	SW 9	S 5	(S) 6	(S) 9	(S) 7	(S) 8	SW	9.6	(SW)	16
28	E 3	(E) 3	(E) 7	(NE) 5	(NE) 7	NE 8	(NE) 8	(NE) 9	(NE) 14	NE 13	(NE) 13	NE	6.0	(NE)	17
29	S 9	(S) 9	(S) 9	(S) 8	(S) 7	(S) 4	S 4	(S) 6	(S) 9	(SW) 9	SW 10	S	8.1	NE	18
30	S 4	(S) 3	(S) 5	(SE) 5	(SE) 6	SE 6	SE 8	(SE) 6	(SE) 9	(E) 10	(NE) 10	S	6.7	(SW)	12
31	E 7	(E) 6	(E) 5	(SE) 5	SE 7	(SE) 5	S 6	(S) 7	(S) 9	(S) 11	(S) 12	E	10.0	E	15
Prevailing direction	S	S	S	S	S	S	S	S	S	S	S	S			
Mean velocity	10.1	9.9	9.9	9.6	9.5	9.4	9.3	9.4	9.4	9.5	9.2		9.5		16.9

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

FEBRUARY 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	(S) 14	(S) 15	(SE) 14	(SE) 14	(SE) 11	(SE) 11	(SE) 9	SE 8	(SE) 6	(SE) 6	(E) 6	(NE) 5	(NE) 7
2	SE 3	(SE) 3	(SE) 4	(SE) 4	(SE) 6	(SE) 7	(SE) 8	SE 9	(SE) 10	SE 10	(SE) 10	(SE) 10	(E) 10
3	(SE) 9	(S) 9	(S) 12	S 9	(S) 4	(S) 6	(S) 3	S 4	(S) 4	(S) 5	SE 9	(E) 10	(E) 12
4	12	12	9	S 8	(SE) 9	E 8	SE 9	S 9	(S) 6	(S) 7	(S) 8	(S) 9	(S) 13
5	(SE) 8	(S) 9	(S) 8	S 8	(S) 8	(S) 6	(S) 4	S 7	(S) 9	(S) 9	(S) 8	(S) 10	(S) 11
6	(SW) 3	(SW) 5	(SW) 5	(W) 3	(W) 3	(W) 6	(W) 8	W 9	(W) 9	(W) 9	(W) 9	(W) 9	(W) 9
7	(E) 14	(E) 12	(E) 14	E 13	(E) 17	(E) 18	(E) 20	E 20	E 18	E 17	E 12	E 11	E 12
8	(E) 22	(E) 22	(E) 21	(E) 20	(E) 20	E 20	E 16	E 22	E 18	NE 21	NE 21	NE 16	NE 21
9	(NE) 14	(NE) 15	(N) 15	N 15	NE 14	NE 15	NE 13	NE 15	NE 12	NE 14	NE 15	NE 13	NE 15
10	(NE) 15	(NE) 15	(E) 14	E 13	(E) 15	(E) 14	(E) 16	E 16	(E) 15	E 15	(E) 15	(E) 13	E 12
11	(NE) 17	(NE) 18	(E) 14	E 12	(E) 12	(E) 14	E 15	E 15	E 16	E 18	E 15	E 20	E 20
12	(SE) 12	(SE) 15	SE 19	SE 18	SE 16	NE 17	NE 15	NE 21	NE 16	NE 18	NE 17	NE 18	NE 22
13	(NE) 16	(NE) 15	(E) 15	E 16	(E) 16	(E) 17	(E) 18	E 17	E 15	E 15	E 16	E 15	E 15
14	(E) 12	(E) 12	(E) 12	(E) 12	(E) 10	(E) 7	E 8	E 9	E 11	E 10	E 10	E 12	E 9
15	(E) 12	(E) 12	(E) 13	E 14	(E) 14	(E) 14	E 14	E 13	(E) 10	(E) 8	(E) 7	(E) 7	(E) 8
16	(S) 2	0	(S) 2	(S) 2	(S) 2	(S) 4	(S) 5	S 9	(S) 9	(S) 10	S 10	(S) 8	(S) 9
17	S 8	(S) 7	(S) 9	S 11	(S) 9	(S) 10	(S) 6	S 6	(S) 8	(S) 8	(S) 8	(S) 8	(S) 2
18	(S) 8	(S) 6	(S) 4	(S) 6	(S) 4	(S) 4	(S) 5	S 5	(S) 6	(S) 6	(S) 4	S 3	(SE) 16
19	E 12	(E) 12	(E) 12	(E) 10	(E) 6	(E) 12	(E) 16	E 16	(E) 16	(E) 16	E 16	(E) 15	(E) 10
20	(SE) 2	(E) 4	(E) 7	E 4	(E) 8	(SE) 3	(S) 3	S 7	(S) 8	(S) 7	(S) 9	S 11	(S) 9
21	(S) 4	(S) 3	(SE) 3	(SE) 3	(SE) 2	0	(E) 2	E 4	(E) 9	(E) 8	(E) 11	(E) 9	(E) 8
22	(E) 3	(E) 3	(E) 3	(E) 2	(E) 3	(E) 2	(E) 4	E 4	(E) 4	(E) 4	(SE) 5	(S) 5	(S) 16
23	(S) 11	(S) 4	(S) 3	(S) 5	(S) 4	(S) 8	(S) 4	(S) 2	(S) 2	(S) 11	(S) 17	(S) 17	(S) 21
24	(E) 27	(E) 29	(E) 30	(E) 30	(E) 30	(E) 30	E 28	E 27	E 27	E 26	E 25	E 23	E 9
25	(E) 18	(E) 18	(E) 18	(E) 19	(E) 18	(E) 16	(E) 13	E 13	E 11	E 13	E 11	E 9	E 15
26	(E) 12	(E) 15	(E) 15	(E) 15	(E) 16	(E) 15	(E) 17	E 16	(E) 17	(E) 16	(E) 15	(E) 15	(E) 5
27	(S) 5	(S) 4	(S) 2	(S) 2	(S) 3	(S) 3	(S) 5	S 7	(S) 6	(S) 6	(S) 6	(S) 5	(S) 6
28	(E) 9	(E) 8	(E) 8	(E) 6	(E) 7	(E) 7	(E) 8	E 9	(E) 7	(E) 7	(E) 6	(E) 6	(E)
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	10.9	10.8	10.9	10.5	10.2	10.5	10.4	11.4	10.9	11.4	11.5	11.1	12.0

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	NE 10	10	9	9	5	4	SW 4	(SW) 4	(S) 4	(SE) 3	(SE) 3	SE	8.0	(S)	15
2	E 10	(E) 10	(E) 9	(E) 9	(E) 9	E 9	E 8	(E) 8	(E) 8	(SE) 9	(SE) 10	SE	8.0	(SE)	10
3	E 12	E 10	E 9	E 11	E 10	N 13	N 16	N 18	N 17	(N) 15	NW 15	S	10.1	N	20
4	S 15	(S) 15	S 15	(S) 15	(S) 13	(S) 11	S 11	(S) 9	S 9	SE 8	(SE) 6	S	10.2	S	18
5	S 11	(S) 10	(S) 9	(S) 9	(S) 11	(S) 10	S 6	(S) 7	S 4	SW 4	(SW) 3	S	7.9	S	13
6	W 8	(W) 8	(SW) 9	(SW) 9	(S) 9	(SE) 12	SE 14	(SE) 15	(SE) 14	(SE) 13	(SE) 15	W	8.9	(SE)	16
7	E 12	E 12	E 13	E 12	E 14	E 15	E 15	E 14	(E) 15	(E) 18	(E) 21	E	15.0	E	25
8	NE 21	NE 18	NE 19	NE 18	NE 18	NE 19	NE 20	NE 18	NE 16	NE 15	NE 15	NE	19.0	E	30
9	NE 14	NE 12	NE 13	NE 12	NE 11	NE 12	NE 15	NE 13	(NE) 16	(NE) 15	NE 15	NE	13.9	NE	18
10	E 14	E 15	E 12	E 15	E 17	E 17	E 16	(E) 15	E 13	(E) 17	NE 17	E	14.8	NE	18
11	E 18	E 17	E 17	E 19	E 16	SE 14	SE 15	E 13	E 12	SE 9	(SE) 10	E	15.2	E	25
12	NE 22	NE 21	NE 21	NE 18	NE 19	NE 21	NE 21	NE 21	NE 21	NE 21	NE 18	NE	18.7	NE	38
13	E 16	E 16	E 15	E 15	E 16	E 15	E 16	E 16	(E) 15	(E) 17	E 12	E	15.6	E	18
14	E 13	E 11	E 15	E 14	E 15	E 15	E 10	(E) 13	(E) 12	(E) 12	E 11	E	11.7	E	16
15	E 8	(E) 7	SE 7	(SE) 6	(SE) 6	(SE) 6	(SE) 6	(SE) 5	(SE) 3	(SE) 3	0	E	8.5	E	15
16	S 8	(S) 9	(S) 7	(S) 7	(S) 8	(S) 7	S 6	(S) 5	(S) 6	(S) 8	S 7	S	6.2	E	10
17	S 8	(S) 9	(S) 9	(S) 12	(S) 12	(S) 12	S 9	(S) 13	(S) 10	S 9	(S) 6	S	9.0	S	13
18	E 3	(E) 3	(E) 4	(E) 4	(E) 3	(E) 8	E 11	(E) 9	E 12	(E) 10	(E) 12	S	5.9	S	12
19	E 15	(E) 15	E 14	(E) 15	(E) 11	(E) 9	E 9	E 7	(E) 3	SE 3	(SE) 2	E	11.6	E	19
20	S 11	(S) 12	S 12	(S) 12	(S) 13	(S) 12	S 11	(S) 8	(S) 7	(S) 7	S 6	S	8.1	E	18
21	E 11	(E) 12	(E) 11	(E) 12	(E) 14	(E) 12	E 10	(E) 9	(E) 3	0	(E) 3	E	6.8	S	15
22	S 6	(S) 5	(S) 4	(S) 4	(S) 4	(S) 5	S 5	(S) 8	(S) 10	(S) 9	(S) 8	S	4.9	E	12
23	S 15	(S) 12	(S) 12	(S) 12	(S) 11	(S) 7	S 9	SE 8	SE 17	E 24	(E) 27	S	10.8	S	36
24	E 21	E 21	E 23	E 23	E 20	E 20	E 20	E 20	E 20	(E) 21	(E) 20	E	24.2	SE	38
25	E 9	E 9	E 10	E 9	E 8	E 8	E 9	E 11	(E) 10	(E) 12	(E) 12	E	12.2	E	24
26	E 13	(E) 12	(E) 12	(SE) 10	(S) 7	(S) 7	S 7	(S) 4	(S) 4	(S) 3	(S) 6	E	11.8	E	18
27	S 5	E 4	E 12	E 12	E 13	E 12	E 11	E 12	(E) 10	(E) 12	(E) 11	S	7.2	E	15
28	E 6	(E) 8	(E) 8	(E) 7	(E) 7	(E) 8	E 8	(E) 9	(E) 9	(E) 10	(E) 11	E	7.7	E	13
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E			
Mean velocity	12.0	11.5	11.8	11.8	11.4	11.4	11.4	11.1	10.7	11.0	10.8		11.1		19.2

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

MARCH 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	(E) 12	(E) 12	(E) 13	(E) 13	(E) 13	E 12	E 13	E 15	E 17	E 17	E 14	E 15	E 12
2	(E) 17	(E) 18	(E) 16	(E) 17)	(E) 15	(E) 15	E 14	E 13	E 12	E 14	E 12	E 12	E 14
3	(S) 10	(S) 12	(S) 13	(S) 10	(S) 12	(S) 11	S 10	S 11	S 11	S 14	S 9	S 12	S 9
4	(S) 7	(SE) 8	(SE) 7	(E) 5	(E) 3	E 7	E 14	E 18	E 19	E 21	E 24	E 27	E 28
5	(E) 19	(E) 20	(E) 18	(E) 18	(E) 18	(E) 17	E 15	E 15	E 15	E 15	E 16	E 14	E 14
6	(E) 15	(E) 15	(E) 16	(E) 20	(E) 18	(E) 22	E 23	E 25	E 27	E 29	E 29	E 26	E 25
7	(SE) 4	(SE) 4	(SE) 5	(S) 3	(SE) 3	(S) 5	(S) 7	S 5	S 6	S 6	S 6	S 5	S 4
8	12	13	13	13	12	14	W 8	W 8	W 9	W 15	W 12	W 11	W 12
9	(E) 7	(E) 8	(E) 11	(E) 9	(E) 11	(E) 12	E 14	E 18	E 21	E 26	E 30	E 32	E 37
10	(E) 29	(SE) 36	(SE) 32	(S) 28	(SW) 27	(SW) 24	SW 24	SW 24	SW 20	SW 18	SW 15	W 15	W 12
11	(SE) 16	(SE) 17	(S) 15	(S) 20	(SW) 22	(SW) 18	W 12	W 12	W 9	SW 10	S 10	S 11	S 10
12	(S) 10	(SE) 14	(SE) 20	(SE) 23	(E) 24	(E) 24	E 27	E 27	E 26	E 22	E 24	E 24	E 24
13	(S) 12	(S) 11	(S) 10	(S) 9	(S) 9	(S) 7	S 5	S 10	S 10	S 9	S 9	S 9	S 9
14	(SE) 10	(SE) 7	(E) 10	(E) 18	(E) 20	(E) 21	E 24	E 26	E 21	E 29	E 31	E 33	E 27
15	(E) 21	(E) 18	(NE) 22	(NE) 24	(NE) 25	(NE) 21	NE 18	NE 15	NE 15	NE 14	NE 14	NE 13	NE 14
16	(E) 10	(E) 12	(SE) 13	(SE) 15	(S) 15	(S) 17	(S) 18	S 17	S 17	S 19	SW 20	SW 21	SW 21
17	(W) 8	(W) 14	(SW) 14	(SW) 17	(SW) 18	(SW) 17	SW 14	W 9	W 7	SW 10	SW 9	SW 5	SW 6
18	(E) 15	(E) 15	(E) 16	(E) 14	E 15	E 15	E 15	E 15	E 15	E 15	E 17	E 16	E 15
19	(E) 16	(E) 15	(E) 17	(E) 19	E 18	E 23	E 20	E 18	E 19	E 21	E 20	E 19	E 19
20	(E) 15	(E) 15	(E) 17	E 16	E 15	E 18	E 18	E 18	E 16	E 17	E 16	E 17	E 17
21	(E) 12	(E) 12	(E) 11	(E) 11	(E) 13	(E) 18	E 18	E 17	E 18	E 18	E 18	E 19	E 17
22	(SE) 9	(SE) 3	(S) 4	(S) 6	S 7	SE 4	SE 2	SE 2	SE 2	SE 2	S 2	S 2	S 3
23	(S) 2	(S) 3	(S) 3	(S) 8	(S) 6	S 6	S 7	S 9	S 7	S 5	S 8	S 9	S 9
24	(S) 4	(SE) 6	(SE) 12	(E) 15	(E) 15	(E) 15	E 15	E 15	E 15	NE 13	N 12	N 12	NE 12
25	(E) 12	(E) 12	(E) 11	(E) 13	(E) 8	(E) 5	E 5	E 7	E 8	E 7	E 11	E 14	E 16
26	(E) 5	(E) 4	0	(NE) 2	(NE) 3	(NE) 4	NE 7	NE 8	NE 9	NE 12	NE 12	NE 10	NE 9
27	(E) 21	(E) 19	(E) 18	(E) 18	(E) 18	(E) 18	E 16	E 15	E 14	E 13	SE 11	S 10	S 7
28	(SW) 7	(SW) 6	(S) 6	(S) 5	(S) 6	(S) 4	(S) 2	S 2	S 2	S 4	SW 3	S 5	SW 3
29	(SW) 3	0	(SW) 2	0	(SW) 2	(SW) 3	(SW) 5	SW 4	SW 5	S 4	SW 6	S 3	E 2
30	(E) 10	(E) 13	(E) 10	(E) 10	(E) 10	(E) 11	E 9	SE 7	S 9	S 9	S 8	S 7	S 6
31	(E) 9	(E) 4	(E) 7	(E) 8	(E) 5	(E) 8	E 7	E 6	E 3	S 3	S 4	S 4	S 5
Prevailing direction		E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	11.6	11.8	12.3	13.1	13.1	13.4	13.1	13.3	13.0	13.9	13.9	13.9	13.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind	
														Dir.	Vel.
Day															
1	E 13	E 15	E 18	E 15	E 17	E 16	E 16	E 17	E 16	(E) 16	(E) 16	E	14.7	E	20
2	E 11	E 6	SE 7	SE 8	SE 4	S 6	S 10	S 10	S 7	(S) 9	(S) 10	E	11.6	(E)	21
3	S 10	S 9	S 6	S 6	S 8	S 8	W 6	SW 4	(SW) 4	(SW) 8	(S) 9	S	9.2	(S)	17
4	E 29	E 27	E 28	E 26	E 25	E 24	E 23	E 21	E 21	E 21	(E) 21	E	18.9	E	34
5	E 15	E 15	E 15	E 15	E 15	E 15	E 15	E 15	E 15	E 15	(E) 15	E	15.8	(E)	22
6	E 28	E 27	E 26	E 25	E 24	E 18	E 18	E 18	(E) 22	(E) 16	(E) 9	E	21.7	E	35
7	S 2	S 2	S 5	S 6	S 3	S 4	E 8	E 9	12	11	12	S	5.7	--------	15
8	W 11	W 10	W 11	W 8	W 8	W 4	W 5	W 5	E 3	E 2	(E) 5	W	9.3	W	25
9	E 38	E 39	E 39	E 39	E 38	E 40	E 39	E 38	E 34	E 30	E 26	E	26.5	E	53
10	W 8	SW 9	S 11	S 11	S 7	S 5	E 4	E 8	E 9	(E) 11	(E) 12	SW	16.6	(E)	42
11	S 9	S 9	S 9	S 6	S 6	S 5	S 4	S 4	S 6	S 9	(S) 7	S	10.7	(S)	30
12	E 24	E 25	E 25	E 25	E 24	SE 18	S 16	S 12	S 13	(S) 14	(S) 15	E	20.8	E	32
13	S 9	S 8	S 8	S 8	S 6	S 12	S 12	S 8	SE 8	(SE) 12	(SE) 14	S	9.3	(SE)	16
14	E 26	E 26	E 29	E 30	E 27	E 28	E 29	E 27	(E) 27	(E) 24	(E) 24	E	23.9	E	44
15	NE 12	NE 14	NE 15	NE 14	NE 13	NE 13	NE 10	NE 12	NE 12	(NE) 12	(NE) 9	NE	15.4	(NE)	30
16	SW 23	SW 23	SW 21	SW 19	SW 14	SW 12	S 10	S 9	W 8	(W) 4	(W) 5	SW	15.1	SW	28
17	SW 3	SW 2	S 3	E 4	E 7	E 8	E 9	E 12	(E) 12	(E) 14	(E) 15	SW	9.9	(SW)	21
18	E 15	E 17	E 15	E 16	E 15	NE 12	E 15	E 16	(E) 15	(E) 13	(E) 14	E	15.0	E	21
19	E 18	E 17	E 18	E 15	E 15	E 15	E 15	E 14	(E) 13	(E) 14	(E) 15	E	17.2	E	24
20	E 17	E 18	E 18	E 18	E 17	E 18	E 18	(E) 17	(E) 18	(E) 16	(E) 14	E	16.8	E	21
21	E 18	E 13	E 13	E 13	E 10	E 10	E 9	E 11	(E) 10	(E) 8	(SE) 9	E	13.6	E	22
22	S 4	S 5	S 6	S 5	S 4	S 4	S 4	S 5	S 5	(S) 5	(S) 4	S	4.1	(SE)	9
23	S 8	S 9	S 9	S 9	S 5	S 6	S 5	S 4	S 5	(S) 4	(S) 4	S	6.2	S	10
24	E 13	E 14	E 15	E 15	E 17	E 17	E 16	E 15	E 15	(E) 14	(E) 13	E	13.5	E	21
25	E 15	E 12	E 14	E 12	E 9	E 8	E 10	E 8	(E) 4	(E) 5	(E) 4	E	9.6	E	17
26	NE 11	E 11	E 11	E 12	E 12	E 15	E 15	E 18	(E) 19	(E) 19	(E) 20	E	10.3	(E)	21
27	S 3	S 4	SW 10	S 11	SW 9	S 11	SW 9	SW 6	(SW) 9	(SW) 10	(SW) 9	E	12.0	(E)	25
28	SW 4	S 4	S 2	S 4	SW 6	S 3	SW 3	SW 7	(SW) 5	(SW) 3	(SW) 3	S	4.1	(SW)	9
29	E 3	E 7	E 9	E 9	E 9	E 12	E 11	E 11	(E) 11	(E) 11	(E) 9	E	5.9	E	13
30	S 6	S 4	S 5	S 5	E 8	E 9	E 12	E 11	(E) 11	(E) 9	(E) 9	E	8.7	(E)	14
31	S 6	S 6	E 7	E 7	E 6	E 5	E 9	E 9	E 9	(E) 3	(E) 2	E	5.9	(E)	9
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	--------	--------	--------
Mean velocity	13.3	13.1	13.8	13.4	12.5	12.3	12.4	12.3	12.2	11.7	11.4	--------	12.9	--------	23.3

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

APRIL 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	(E) 3	(SE) 2	0	(S) 6	(S) 6	(S) 6	S 2	S 3	S 3	S 4	0	S 3	S 4
2	(W) 12	(W) 9	(W) 10	(W) 9	(W) 10	(W) 9	W 6	W 6	W 7	W 5	W 6	W 4	SW 2
3	(S) 2	0	(S) 2	(S) 2	(S) 2	(S) 7	S 6	SE 8	S 5	S 5	S 3	S 3	S 5
4	SW 12	SW 12	S 11	S 9	SW 7	SW 8	SW 9	SW 9	SW 7	SW 6	S 4	S 5	S 4
5	S 6	S 4	0	SW 4	SW 7	SW 5	SW 5	SW 4	SW 6	S 2	0	SW 2	SW 3
6	S 9	S 7	S 7	S 6	S 7	S 7	S 8	S 7	S 8	S 10	S 9	S 6	S 3
7	S 11	S 13	S 16	S 13	S 12	SW 9	SW 8	S 8	S 12	S 13	S 13	S 12	E 4
8	SW 3	SW 5	SW 7	SW 7	SW 6	SW 4	SW 4	S 2	S 3	S 2	0	0	0
9	SW 12	S 12	S 12	S 12	S 13	SW 12	SW 9	SW 5	S 4	S 2	E 4	E 9	E 12
10	E 18	E 16	E 16	E 14	E 14	E 12	E 12	E 11	E 7	E 4	E 4	E 2	S 3
11	SW 8	SW 7	SW 9	SW 8	S 8	S 9	S 6	SW 4	SW 5	SW 3	SW 2	S 3	S 3
12	SE 5	S 5	W 5	SW 3	E 3	S 5	SE 4	SW 3	SE 2	SE 2	SE 3	SE 2	SE 4
13	N 9	N 12	N 9	N 11	NE 10	NE 12	N 11	NE 9	NE 9	NE 9	NE 9	E 8	NE 7
14	E 13	E 13	SE 15	SE 15	E 18	SE 21	E 20	E 20	E 19	E 19	E 19	E 18	E 19
15	E 11	E 11	E 8	E 4	E 4	E 2	NE 2	S 2	S 4	S 6	S 7	S 9	S 7
16	W 11	W 13	W 14	W 14	W 14	W 14	W 13	W 13	SW 12	SW 11	S 9	S 9	S 10
17	NE 6	N 5	N 2	SE 3	SE 4	S 3	S 5	S 7	SW 7	SW 8	SW 9	SW 8	SW 10
18	0	N 3	NE 2	NE 2	NE 6	NE 3	0	S 4	SW 3	SW 3	SW 3	SW 6	SW 6
19	SW 9	SW 11	SW 12	SW 7	SW 6	SW 6	SW 9	SW 8	SW 9	S 9	S 9	S 9	S 9
20	E 12	E 12	E 12	E 10	E 9	E 8	E 9	E 12	E 13	E 12	E 13	E 15	E 2
21	SW 4	SE 3	S 3	0	SW 3	SW 4	S 4	0	S 4	S 3	SE 3	SE 4	E 19
22	E 15	E 13	E 12	E 13	E 12	E 12	E 14	E 17	E 20	E 20	E 19	E 18	E 5
23	E 19	E 21	E 22	E 24	E 23	E 22	E 21	E 21	E 18	E 16	E 14	E 8	S 7
24	S 9	SW 9	SW 10	SW 10	SW 12	SW 12	S 9	SW 9	SW 9	SW 7	SW 2	SW 4	SW 3
25	S 7	SW 5	S 5	SW 3	SW 5	SW 5	SW 6	S 3	0	0	0	0	NE 20
26	E 19	E 21	E 22	E 21	E 21	E 21	E 21	E 24	E 24	E 24	E 22	E 20	E 0
27	SE 5	S 2	SW 3	S 6	S 4	S 9	S 5	S 4	SW 3	S 3	SW 3	0	20
28	S 7	0	S 2	0	0	SE 2	SE 4	E 9	E 12	E 15	E 18	E 19	E 8
29	SE 8	SE 6	SE 9	SE 3	SE 4	SE 3	SE 7	SW 7	S 8	S 7	S 6	SW 7	S 12
30	SW 2	0	SW 3	SW 5	NE 11	NE 12	NE 12	E 14	E 11	E 12	NE 10	E 12	E
Prevailing direction	E	E	S	SW	E	SW	S	S	SW, S	S	S, E	E	S
Mean velocity	8.9	8.4	8.7	8.1	8.7	8.8	8.4	8.4	8.5	8.1	7.4	7.5	7.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	S 3	0	0	S 2	S 2	S 2	S 3	S 6	W 9	(W) 8	(W) 10	S	3.6	W	12
2	E 2	0	0	0	0	0	0	0	0	0	(S) 3	W	4.2	W	17
3	S 3	S 5	S 6	S 5	S 5	S 6	S 7	S 8	S 8	SW 8	SW 9	S	5.0	SE	12
4	SW 4	SW 5	SW 2	SW 3	SW 4	S 3	S 4	S 2	0	S 2	S 4	SW	5.7	SW	15
5	SW 4	S 2	0	0	0	S 2	0	0	0	S 4	S 6	SW	2.8	SW	8
6	S 2	S 3	0	0	S 2	0	SW 6	SW 5	SW 7	SW 12	S 12	S	6.0	SW	13
7	E 6	E 2	S 4	S 3	S 2	S 4	SW 5	SW 3	SW 5	SW 4	SW 4	S	7.8	S	17
8	S 2	S 8	SW 9	SW 9	SW 9	SW 10	SW 8	SW 10	W 11	W 10	W 12	SW	5.9	W	14
9	E 15	E 17	E 20	E 19	E 19	E 18	E 18	E 19	E 18	E 18	E 18	E	13.2	E	21
10	0	S 4	0	E 3	E 3	E 2	E 5	S 6	S 6	S 2	S 7	E	7.1	E	21
11	SE 5	SE 5	SE 5	SE 6	E 9	E 9	E 11	E 8	E 7	E 9	E 6	SW	6.5	E	12
12	W 3	W 2	E 4	E 8	E 6	E 9	NE 9	NE 9	N 11	N 13	N 10	SE	5.4	E	15
13	N 10	N 12	E 9	NE 11	E 9	E 10	E 10	E 13	E 14	E 15	E 13	E	10.5	N	18
14	E 18	E 18	E 15	E 15	E 13	E 12	E 13	E 12	E 13	E 13	E 12	E	16.0	E	23
15	S 8	S 6	SW 6	SW 7	SW 8	SW 9	SW 9	W 11	W 12	W 12	W 13	S	7.4	E	16
16	S 10	S 9	S 6	S 4	S 5	SW 3	SW 4	SW 5	SE 5	SE 4	E 2	W, S	8.9	W	16
17	SW 7	SW 9	SW 14	SW 8	SW 8	SW 4	0	N 3	N 3	N 3	N 3	SW	5.8	W	16
18	SW 4	SW 4	SW 6	SW 6	SW 6	SW 5	SW 7	SW 9	SW 9	SW 8	SW 9	SW	4.8	SW	12
19	SW 9	SW 7	W 5	W 6	W 6	SW 5	S 9	S 5	S 8	E 12	E 11	SW	8.2	SW	14
20	E 15	E 17	E 18	E 12	E 15	E 17	E 14	E 18	E 14	E 11	E 7	E	12.9	SW	23
21	E 15	E 17	E 15	E 15	E 18	E 16	E 15	E 17	E 18	E 14	E 16	E	8.9	E	20
22	E 19	E 19	E 20	E 19	E 20	E 20	E 16	E 16	E 15	E 15	E 16	E	16.6	E	24
23	S 2	S 2	S 4	S 4	SW 5	E 3	S 2	S 2	S 4	S 4	S 6	E	11.3	E	29
24	SW 8	S 7	SW 7	S 8	S 6	S 7	S 9	S 8	S 7	S 6	S 6	SW	7.8	E	15
25	E 7	NE 11	E 13	E 12	E 15	E 14	E 15	E 16	E 18	E 18	E 18	E	8.3	SW	21
26	E 21	E 20	E 21	E 20	E 17	E 16	E 14	E 14	E 12	E 9	E 9	E	18.9	E	30
27	0	E 9	E 9	E 8	E 10	E 11	E 12	E 9	N 9	E 9	S 6	E, S	5.8	E	13
28	E 20	E 18	E 18	E 14	E 14	E 12	E 9	SE 9	SE 7	SE 7	SE 11	E	10.3	E	23
29	S 9	S 7	S 6	SW 3	S 5	SW 5	SW 2	W 4	W 3	SW 2	SW 2	S	5.5	E	11
30	E 12	E 12	E 12	E 12	E 13	E 15	E 16	E 15	E 17	E 15	E 18	E	11.4	SE	21
Prevailing direction	E	E, S	E	E	E	E	E	E	E	E	E	E	----------	----------	----------
Mean velocity	8.1	8.6	8.5	8.1	8.5	8.3	8.4	8.7	9.0	8.9	9.3	----------	8.4	----------	17.4

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

MAY 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour / Day	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
1													
2	E 20	E 23	E 27	E 27	E 27	E 27	E 26	E 26	E 25	E 24	E 28	E 28	E 27
3	E 18	E 14	E 11	E 7	E 7	E 9	E 11	E 12	E 12	E 12	E 12	E 12	E 14
4	S 8	SW 5	S 3	S 4	S 4	SW 3	0	0	0	0	S 2	S 6	E 14
5	S 5	SE 5	S 6	S 6	S 8	S 7	S 7	S 5	S 4	S 3	S 4	S 3	SW 5
6	S 4	SW 6	SW 6	SW 5	S 4	S 5	S 4	S 8	S 7	S 5	S 4	SE 4	SE 5
7	E 3	E 2	S 2	E 2	E 2	SE 2	E 2	E 2	E 3	S 4	SW 2	SW 6	SW 4
8	S 7	S 4	S 5	S 8	S 9	S 9	S 4	S 2	S 6	S 10	S 9	S 12	SW 9
9	SW 7	SW 4	SW 3	SW 4	SW 4	SW 4	SW 2	E 2	0	E 3	E 5	E 6	E 7
10	E 10	E 10	E 9	NE 11	NE 9	NE 10	NE 12	N 10	N 12	N 13	N 15	N 15	N 15
11	E 5	E 7	E 8	E 11	E 10	E 11	E 11	E 13	E 15	E 16	E 17	E 16	E 13
12	E 20	E 21	E 24	E 21	E 21	E 18	E 21	E 21	E 19	E 20	E 20	E 19	E 21
13	E 14	E 7	E 6	E 6	E 7	E 7	E 2	S 2	E 5	SW 5	S 6	S 3	SW 2
14	S 9	W 9	SW 8	SW 6	SW 6	SW 9	S 9	S 6	S 5	S 6	S 7	S 6	SW 7
15	S 9	SW 8	SW 7	SW 4	S 7	S 2	SW 5	SW 6	SW 3	0	0	SW 2	0
16	S 3	S 3	0	E 2	0	SE 2	S 4	0	0	SE 2	SE 3	SE 2	S 3
17	W 12	W 12	W 9	W 9	W 14	W 16	SW 11	SW 8	SW 9	SW 11	W 5	W 9	W 8
18	NE 8	NE 4	SE 9	SW 8	SE 3	S 5	S 4	S 2	0	S 2	S 5	S 5	SW 6
19	SW 11	SW 10	SW 5	SW 4	SW 7	SW 5	SW 5	SW 3	0	0	0	0	E 7
20	E 7	E 5	E 9	E 8	E 7	E 7	E 8	E 8	E 8	E 6	E 7	E 9	E 9
21	E 9	E 10	E 11	E 10	E 9	E 9	E 9	S 9	S 5	S 6	S 5	S 5	S 5
22	S 9	SW 9	SW 9	SW 9	SW 9	SW 9	SW 8	SW 4	E 2	E 2	NE 4	N 10	N 10
23	NE 8	E 9	NE 9	W 10	N 4	N 4	E 4	NE 6	NE 4	N 3	N 6	N 8	NE 9
24	E 3	E 8	E 8	E 9	E 6	E 9	E 12	E 13	E 12	E 9	E 9	E 9	S 7
25	S 6	S 5	0	0	SW 3	SW 4	W 2	SW 5	SW 4	SW 4	SE 8	S 8	E 9
26	S 6	S 8	S 5	S 6	S 6	SE 2	E 8	E 12	E 12	E 13	E 18	E 16	E 17
27	E 17	E 21	E 20	E 17	E 18	E 14	E 15	S 14	E 12	S 14	S 9	S 18	W 18
28	SW 4	SW 7	E 2	SW 3	SW 3	SW 4	S 2	E 2	0	0	0	E 6	E 8
29	E 18	E 19	E 16	E 15	N 13	N 12	E 13	E 14	E 11	E 16	E 18	E 19	E 21
30	E 15	E 15	E 15	E 14	E 12	E 10	NE 9	E 4	SE 5	SE 2	S 2	S 2	S 5
31	W 7	W 8	SW 6	W 6	W 9	W 7	W 8	W 8	W 6	W 6	W 3	W 5	W 3
	SW 3	SW 6	SW 5	SW 8	SW 4	0	0	0	W 3	W 5	W 5	W 6	W 6
Prevailing direction	E	E	E	E	E	E	E	E	E	E	S	E, S	E
Mean velocity	9.2	9.2	8.5	8.4	8.1	7.8	7.7	7.3	6.7	7.2	7.7	8.9	9.5

Hour / Day	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
1															
2	E 27	E 25	E 25	E 24	E 24	E 23	E 24	E 24	E 21	E 22	E 20	E	24.8	E	35
3	E 14	E 12	E 12	E 12	E 14	NE 12	NE 12	NE 14	NE 9	N 11	E 6	E	11.6	E	24
4	E 10	E 22	E 19	E 18	E 16	E 15	E 13	E 12	E 12	SE 9	S 8	E	8.8	E	24
5	S 9	S 5	S 6	S 6	S 9	S 10	S 6	S 6	S 5	SE 5	SE 7	S	5.9	SE	18
6	SE 9	S 8	S 6	SW 5	S 7	S 6	W 5	W 5	E 6	E 5	E 3	S	5.6	SE	11
7	SW 4	SW 6	SW 6	SW 6	S 8	S 6	S 7	S 3	S 5	S 7	SW 7	S, SW	4.2	SW	9
8	SW 7	SW 9	SW 8	S 12	SW 12	SW 14	SW 13	SW 15	SW 13	SW 12	SW 10	S	9.1	SW	18
9	E 9	E 12	E 10	E 12	E 12	E 13	E 12	E 14	E 12	E 9	E 9	E	7.3	SW	18
10	N 15	N 14	W 10	W 8	W 7	W 3	W 4	W 2	0	0	E 4	N	9.1	N	21
11	E 16	E 20	E 22	E 21	E 19	E 18	E 15	E 17	E 17	E 22	E 19	E	15.0	E	25
12	E 18	E 18	E 17	E 15	E 15	E 16	E 11	E 9	E 15	E 13	E 15	E	17.8	E	29
13	SW 4	S 4	S 5	SW 9	SW 10	SW 9	SW 9	SW 4	SW 8	SW 8	S 8	SW	6.3	E	16
14	SW 8	SW 9	SW 7	S 5	S 2	S 3	S 6	S 3	S 3	W 5	SW 8	S	6.3	S	12
15	SW 6	SW 5	SW 5	SW 3	SW 3	SW 4	S 6	SW 7	S 9	S 8	S 2	SW	4.6	S	14
16	0	SW 2	SW 3	SW 7	SW 9	SW 8	S 6	SW 8	SW 5	SW 6	SW 11	SW	3.7	SW	15
17	W 8	W 4	W 7	SW 5	SW 4	SW 3	SW 2	W 2	N 8	N 7	N 9	W	8.0	W	18
18	SW 2	SW 3	SW 4	SW 2	SW 3	SW 2	S 8	SW 9	SW 8	SW 9	SW 12	SW	5.1	SW	15
19	E 9	E 9	E 8	E 8	E 8	E 9	E 9	E 9	E 9	E 10	E 8	E	6.4	SW	13
20	E 9	E 8	E 9	E 9	E 9	E 10	E 9	E 9	E 9	E 9	E 9	E	8.2	E	11
21	S 5	S 5	SW 5	SW 4	W 8	W 8	SW 9	SW 8	S 9	S 10	S 7	S	7.5	E	12
22	N 10	N 9	N 9	N 10	N 8	N 9	N 10	N 11	N 9	N 10	E 9	N	8.3	N	13
23	NE 11	N 11	N 8	SE 3	S 2	S 4	S 3	S 2	E 4	S 7	E 2	N	5.9	N	14
24	S 8	S 8	S 8	S 7	S 8	SE 9	S 9	SE 6	NE 6	NE 9	E 9	E	8.4	E	14
25	S 11	E 6	S 3	S 8	S 9	S 13	S 10	SE 7	SE 5	S 6	S 3	S	5.8	S	18
26	E 18	E 19	E 18	E 18	E 17	E 18	E 15	E 16	E 18	E 18	E 15	E	13.3	E	22
27	W 16	W 11	SW 9	SW 8	SW 11	SW 12	SW 12	SW 9	SW 6	SW 4	SW 8	SW	13.0	E	27
28	E 9	E 9	E 9	E 13	E 13	E 16	E 13	E 14	E 12	E 15	E 18	E	7.6	E	22
29	E 20	E 20	E 20	E 18	E 15	E 16	E 15	E 15	E 16	E 14	E 13	E	16.1	E	25
30	S 2	S 9	S 7	S 5	SW 3	SW 7	W 10	SW 9	SW 10	W 8	S 5	S	7.7	E	18
31	W 6	W 12	W 12	W 11	W 10	W 10	W 8	W 7	W 4	W 2	W 2	W	6.9	W	13
	W 6	W 5	W 4	W 2	0	0	0	E 2	NE 4	NE 4	NE 7	W	3.5	SW	10
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E			
Mean velocity	10.2	10.3	9.7	9.5	9.5	9.9	9.4	9.0	8.9	9.2	8.8		8.8		17.9

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

JUNE 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	E 4	E 7	E 12	E 13	E 12	E 12	E 15	E 14	E 14	E 15	E 15	E 17	E 16
2	E 21	E 22	E 21	E 20	E 21	E 20	E 18	E 17	E 16	E 16	E 16	E 15	E 13
3	SW 2	SW 2	SW 5	SW 5	SW 6	SW 5	SW 5	0	SE 2	0	0	SE 4	SE 3
4	E 7	NE 10	E 10	E 15	E 18	E 16	E 15	N 18	NE 18	NE 17	NE 17	NE 21	E 17
5	SW 3	S 5	SW 18	SW 21	SW 23	SW 16	SW 10	SW 7	SW 3	NW 4	0	SE 2	E 2
6	E 27	E 27	E 27	E 26	E 30	E 29	E 26	E 24	E 25	SE 21	SE 22	S 16	SE 15
7	S 12	S 6	S 9	E 8	E 5	E 11	SW 10	S 9	S 9	S 9	S 9	S 8	S 5
8	NE 13	NE 11	NE 12	NE 11	NE 9	NE 10	NE 10	N 10	E 10	E 9	E 14	E 12	S 8
9	SW 3	SW 4	SW 8	SW 9	SW 8	SW 6	S 5	E 5	E 13	E 17	E 19	E 18	NE 18
10	E 15	E 16	E 17	E 15	E 16	E 16	E 16	E 15	E 16	E 15	E 16	E 15	E 15
11	E 9	E 8	E 9	E 7	E 9	E 9	E 7	E 7	E 8	E 8	E 7	E 7	E 6
12	N 2	E 2	SW 2	0	S 2	SW 3	S 2	S 2	S 2	0	S 2	S 3	E 2
13	S 2	0	0	0	E 2	E 3	E 3	E 3	E 3	E 2	E 3	E 4	S 8
14	E 16	E 16	E 17	E 16	E 16	E 15	E 16	E 15	E 15	E 15	E 15	E 13	E 12
15	E 2	E 3	E 3	E 5	E 6	NE 6	E 6	E 3	E 3	E 3	E 4	E 5	E 5
16	0	0	SW 2	SW 2	0	N 2	S 3	S 3	S 2	SE 2	E 2	E 2	E 5
17	E 19	E 18	E 17	E 17	E 15	E 15	E 16	S 13	SE 11	E 10	E 18	SE 11	SE 11
18	SE 13	E 15	E 21	E 20	E 15	SW 12	S 4	E 12	E 15	E 13	E 13	E 11	E 12
19	E 18	E 18	E 15	E 18	E 18	NE 15	NE 18	NE 19	NE 20	NE 20	NE 18	N 16	N 18
20	NE 5	NE 4	NE 3	SW 3	SW 4	SW 6	S 5	S 8	S 6	S 5	S 6	SW 6	S 6
21	E 4	E 7	E 7	NE 5	SW 4	SW 2	SW 4	S 3	S 2	E 6	E 7	E 9	S 10
22	N 3	E 9	E 8	E 6	E 8	E 5	E 5	SW 4	SW 2	S 4	S 4	S 5	E 2
23	E 10	E 10	NE 9	NE 9	E 8	E 8	E 9	E 6	E 8	E 7	E 3	E 2	S 5
24	NE 2	SW 3	N 3	SW 3	0	NE 4	NE 2	E 4	E 5	E 7	E 6	E 7	E 8
25	NE 12	NE 10	NE 14	NE 14	NE 14	NE 14	E 12	E 13	NE 20	NE 20	NE 23	NE 23	E 26
26	N 20	N 24	N 19	N 15	N 15	N 9	N 9	N 10	N 12	N 11	N 11	NW 11	NE 12
27	E 3	SE 2	E 4	NE 8	NE 7	NE 9	N 7	NE 7	NE 8	NE 6	NE 8	E 9	N 9
28	E 20	E 21	E 19	E 21	E 20	E 20	E 18	E 16	E 15	E 15	E 15	E 13	E 14
29	E 5	E 3	S 4	SW 3	SW 4	SW 5	SW 4	S 3	S 2	S 3	SW 2	SW 4	E 3
30	SW 5	SW 7	SW 7	SW 5	SW 6	SW 3	SW 5	SW 3	SW 5	SW 6	SW 6	SW 6	SW 7
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	9.2	9.7	10.7	10.7	10.7	10.2	9.5	9.1	9.7	9.5	10.0	9.8	9.8

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	E 15	E 15	E 14	E 17	E 19	E 17	E 18	E 19	E 20	E 22	E 21	E	15.1	E	24
2	E 12	E 12	E 11	E 11	E 9	E 9	E 8	E 4	S 3	S 8	SW 5	E	13.7	E	25
3	E 2	0	0	0	0	0	NE 2	0	NE 7	NE 4	NE 6	SW	2.5	SW	9
4	E 12	E 21	E 21	E 24	E 24	E 20	E 21	E 20	E 18	E 9	SW 3	E	16.3	E	30
5	E 2	NE 2	NE 4	NE 5	NE 9	NE 5	NE 9	NE 5	SW 6	S 12	E 16	SW	7.9	E	29
6	S 15	S 20	S 19	S 26	S 24	S 27	S 21	S 14	S 17	SE 15	S 15	S	22.0	E	36
7	S 7	S 8	S 7	E 10	N 17	N 18	N 22	NE 19	N 19	N 18	N 14	S	11.2	E	27
8	NE 4	E 4	E 4	E 4	S 4	S 3	S 3	SW 7	SW 6	SW 6	SW 5	NE	7.9	N	18
9	E 19	E 19	E 18	E 17	E 18	E 18	E 17	E 15	E 16	E 15	E 15	E	13.3	E	22
10	E 15	E 16	E 15	E 13	E 12	E 12	E 9	E 9	E 10	E 11	E 11	E	14.0	E	18
11	E 5	E 6	E 6	E 6	E 5	E 4	E 3	E 2	E 2	SE 5	S 3	E	6.2	E	10
12	S 2	S 2	0	S 2	0	S 2	0	0	S 2	SW 3	S 2	S	1.6	E	4
13	E 9	E 10	E 11	E 10	E 11	E 11	E 10	E 11	E 11	E 16	E 16	E	6.6	SW	18
14	E 12	E 11	E 7	E 6	E 7	E 8	E 8	E 8	E 6	E 5	E 2	E	11.5	E	18
15	E 5	E 4	E 4	E 7	E 8	E 6	E 5	E 3	NE 2	E 3	N 2	E	4.3	E	9
16	E 5	S 4	SE 3	SW 6	S 4	SW 3	S 4	S 3	E 7	E 15	E 17	E, S	4.0	E	20
17	E 15	E 19	E 21	E 21	E 24	E 22	E 20	E 19	E 17	E 24	E 18	E	17.1	E	27
18	E 12	E 12	E 12	E 12	E 14	E 18	E 18	E 17	E 17	E 20	E 19	E	14.5	E	25
19	N 16	N 16	N 14	N 12	N 9	N 9	N 6	N 8	NE 6	NE 7	NE 5	N	14.1	E	24
20	SW 6	SW 6	S 8	E 3	E 6	E 7	E 6	E 7	SE 6	NE 8	E 8	S	5.8	NE	11
21	E 10	E 9	E 10	E 7	E 6	E 9	E 9	E 12	E 12	E 11	E 11	E	7.3	SW	15
22	S 4	E 6	SE 11	SE 10	SE 14	SE 15	SE 12	E 7	E 5	E 6	E 9	E	6.8	E	18
23	E 4	E 5	E 5	E 3	W 3	W 5	W 5	W 3	SW 3	SW 8	SW 3	E	5.9	SE	12
24	E 8	E 9	E 9	E 9	E 12	E 14	E 16	E 15	NE 14	NE 15	NE 14	E	7.9	E	18
25	NE 27	NE 27	NE 27	NE 28	NE 27	NE 26	NE 25	N 20	N 17	N 12	N 14	NE	19.4	E	40
26	N 10	N 11	N 9	NW 7	N 6	N 5	NW 3	NW 3	NW 3	N 3	N 2	N	10.0	NE	32
27	E 9	E 11	E 12	E 14	E 17	E 18	E 18	E 20	E 21	E 20	E 21	E	11.2	N	24
28	E 13	E 12	E 13	E 13	E 12	E 12	E 11	E 9	E 9	E 8	E 6	E	14.4	E	25
29	SW 2	SW 2	SW 3	W 3	W 3	W 4	SW 4	W 3	SW 4	SW 7	SW 6	SW	3.6	E	8
30	SW 5	SW 8	S 6	SW 7	S 8	S 8	S 7	S 8	S 9	S 9	SW 9	SW	6.5	SW	10
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	----	----	----
Mean velocity	9.4	10.2	10.1	10.4	11.1	11.2	10.7	9.6	9.8	10.8	9.9	----	10.1	----	20.2

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

JULY 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 9	SW 8	SW 9	SW 8	SW 4	SW 6	S 6	SW 9	SW 6	SW 11	SW 11	SW 10	SW 8
2	S 4	SW 6	S 3	SW 7	W 7	W 5	SW 5	SW 5	S 4	S 4	S 4	E 4	E 3
3	S 3	S 4	S 4	S 4	S 6	SW 5	SW 4	SW 7	S 6	S 9	S 17	S 19	S 24
4	SW 9	SW 9	SW 6	SW 7	SW 6	SW 5	SW 3	SW 5	S 4	S 2	SW 3	SW 4	E 5
5	SE 2	SE 2	0	E 2	SE 5	SW 4	NE 3	NE 2	E 3	SE 4	S 5	S 6	S 7
6	SE 25	S 12	S 16	S 18	S 18	S 18	SW 19	SW 21	SW 21	SW 26	SW 21	SW 25	SW 15
7	W 3	N 2	E 3	W 4	E 4	NE 8	NE 9	N 10	NE 11	NE 12	NE 7	E 3	0
8	SW 5	SW 6	S 7	SW 7	SW 8	SW 8	SW 7	SW 6	SW 4	SW 2	SW 2	SW 4	SW 3
9	S 7	S 4	S 7	S 5	S 6	S 5	S 6	SW 5	S 5	S 3	S 6	S 8	S 6
10	E 9	E 8	E 9	E 9	N 4	SE 4	SW 6	SE 3	SE 3	E 7	E 5	0	0
11	W 7	W 13	SW 17	SW 18	SW 18	SW 20	SW 18	SW 18	SW 16	SW 20	S 18	SW 15	SW 14
12	SW 12	SW 13	SW 10	W 9	SW 9	SW 9	SW 9	W 12	W 12	W 10	SW 9	SW 5	SW 2
13	S 4	S 6	S 4	S 7	S 5	SW 4	SW 3	SW 2	S 2	S 2	S 3	S 7	S 5
14	E 12	E 15	E 14	E 12	E 11	E 13	E 12	E 11	E 12	E 12	E 10	E 5	S 3
15	SW 5	SW 4	SW 4	NE 4	NE 5	SW 3	N 2	S 6	SW 13	SW 11	S 9	SW 9	S 7
16	SW 3	S 3	SW 4	SW 5	S 5	0	S 4	SW 5	SW 11	SW 12	S 9	SW 5	SW 7
17	SW 5	W 3	S 6	S 5	NW 5	N 4	S 4	S 6	SW 6	SW 7	SW 8	SW 5	SW 5
18	E 8	E 9	E 6	E 7	E 8	E 6	E 7	E 8	E 12	E 10	E 12	E 13	E 18
19	SW 13	SW 12	S 12	SW 9	SW 9	SW 9	SW 8	W 7	W 8	W 7	SW 6	SW 9	SW 6
20	NW 5	NW 6	W 5	N 4	N 2	NE 4	NE 5	E 7	N 8	N 10	NW 9	NW 10	N 9
21	SW 9	SW 7	SW 7	SW 5	SW 6	SW 6	SW 5	SW 4	SW 4	SW 4	SW 3	S 2	E 7
22	S 2	S 2	S 3	SW 3	SW 4	SW 5	S 5	SE 5	SE 3	SE 3	E 2	E 3	0
23	S 8	SE 7	S 6	SW 4	W 3	SW 3	SE 4	SE 3	SE 2	S 2	E 2	E 2	0
24	W 3	SW 7	SW 7	SW 9	SW 8	SW 5	SW 7	SW 6	SW 6	SW 3	SW 5	SW 3	SW 3
25	SE 7	NE 2	NE 3	E 2	S 4	SW 2	SW 3	SW 3	SW 3	SW 3	SW 3	SW 2	SW 5
26	SW 14	SW 12	SW 13	SW 15	SW 15	SW 14	SW 12	SW 12	SW 12	SW 11	SW 13	W 12	W 11
27	W 4	W 4	W 4	W 5	W 6	W 6	0	W 3	W 2	SW 2	SW 11	SW 10	SW 10
28	S 3	S 2	S 2	S 2	S 2	0	NW 2	0	S 3	SW 3	S 3	S 3	S 3
29	NE 6	NE 7	E 4	NE 5	NE 4	NE 9	NE 10	E 11	E 13	E 14	E 14	E 14	E 15
30	E 20	E 27	E 35	E 39	SE 43	E 42	E 34	E 27	E 20	E 15	E 12	S 20	SW 14
31	E 15	E 22	E 23	E 22	E 20	E 21	E 21	E 19	E 21	E 21	E 22	E 21	E 21
Prevailing direction	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Mean velocity	7.8	7.9	8.2	8.5	8.4	8.2	7.8	8.0	8.3	8.5	8.5	8.3	7.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	SW 7	SW 6	SW 9	SW 7	SW 6	SW 5	SW 6	SW 7	S 6	S 4	S 5	SW	7.2	SW	12
2	E 2	SE 3	E 5	S 6	S 4	S 6	S 6	S 4	S 3	S 4	S 5	S	4.5	SW	10
3	SW 24	SW 24	SW 24	SW 27	SW 21	SW 18	SW 22	SW 14	SW 13	SW 13	SW 11	SW	13.5	SW	35
4	E 8	E 5	0	0	SE 2	0	S 2	S 4	S 4	S 4	SE 3	SW	4.2	SW	14
5	SW 7	S 8	SE 20	SE 27	SE 30	E 36	SE 32	SE 37	SE 38	SE 37	E 35	SE	14.7	SE	54
6	SW 15	W 13	W 15	W 13	W 12	SW 9	S 6	SW 6	S 3	S 2	S 2	SW	14.6	SW	41
7	SW 2	0	SW 4	SW 5	SW 3	0	0	S 3	SW 3	SW 4	SW 7	SW	4.5	NE	12
8	SW 3	SW 4	SW 2	SW 3	SW 3	S 3	E 4	E 6	N 5	S 5	S 4	SW	4.6	SW	9
9	S 7	S 6	S 5	S 4	S 3	S 5	S 3	0	S 5	N 2	S 2	S	4.8	S	12
10	E 2	NE 2	0	0	0	0	NE 3	NE 3	NE 5	SW 5	W 6	E	3.9	E	15
11	W 13	W 16	SW 20	SW 18	SW 18	SW 18	SW 20	SW 16	SW 21	SW 15	SW 12	SW	16.6	SW	26
12	SW 2	SW 3	SW 2	0	SW 2	E 2	E 6	E 7	E 4	SE 3	S 4	SW	6.5	SW	18
13	E 2	0	S 2	S 7	S 7	SE 5	S 8	S 6	S 4	S 6	N 2	S	4.3	S	9
14	S 3	S 2	SE 2	SE 2	0	SE 2	0	SE 3	SE 3	SW 4	SW 2	E	6.9	E	15
15	E 18	E 18	E 6	E 7	S 4	SW 2	SW 4	SW 3	SW 3	E 2	N 4	SW	6.4	E	21
16	SW 7	SW 9	SW 7	SW 9	SW 7	SW 7	SW 7	SW 5	SW 5	SW 9	S 9	SW	6.4	SW	15
17	SW 6	W 3	W 5	W 3	W 2	N 2	E 4	E 3	E 2	NE 4	E 5	SW	4.5	SW	9
18	E 13	E 9	E 8	E 5	S 5	S 7	S 6	S 7	W 8	SW 7	SW 9	E	8.7	E	19
19	SW 5	SW 5	SW 8	SW 9	SW 10	SW 8	NW 7	N 8	NW 10	NW 12	NW 10	SW	8.6	S	16
20	N 7	NW 7	SW 9	SW 7	SW 4	SW 6	SW 8	SW 5	W 6	SW 7	SW 6	SW	6.5	NW	13
21	E 7	E 6	E 6	E 8	S 8	S 6	S 6	S 3	0	S 2	0	SW	5.0	SW	10
22	0	E 2	E 2	0	SE 2	SE 3	SE 4	SE 2	SE 3	S 7	S 8	SE	3.0	SE	9
23	S 3	S 2	SW 4	SW 4	SW 4	SW 7	SW 5	SW 3	SW 4	SW 3	SW 3	SW	3.7	SE	10
24	SW 3	SW 2	SW 2	NE 2	E 3	E 3	E 5	NE 7	N 12	N 9	N 9	SW	5.4	NE	15
25	SW 9	S 11	SW 9	S 8	S 11	S 12	S 15	S 13	SW 12	SW 14	SW 13	SW	7.0	S	17
26	W 11	W 9	W 9	W 9	W 7	W 9	W 9	W 8	W 6	W 6	W 4	W	10.5	SW	15
27	SW 12	SW 13	SW 11	SW 9	S 7	S 9	W 8	SW 6	SW 5	SW 6	SW 5	SW	6.6	SW	16
28	0	S 2	S 2	S 2	0	S 2	S 3	SE 3	E 2	E 3	NE 4	S	2.1	SW	4
29	E 15	E 17	E 16	E 7	E 8	S 7	S 9	SW 9	S 8	SW 5	S 6	E	9.7	E	21
30	S 14	S 21	S 15	S 22	S 18	S 19	S 11	S 15	SW 12	S 9	S 8	S	21.3	E	58
31	E 20	E 18	E 16	E 17	NE 15	NE 17	NE 15	NE 16	NE 16	NE 14	NE 14	E	18.6	E	27
Prevailing direction	SW	SW	SW	SW	SW	S	S	SW	SW	SW	S	SW	-------	-------	-------
Mean velocity	8.0	7.9	7.9	8.0	7.3	7.6	7.9	7.5	7.5	7.3	7.0	-------	7.9	-------	18.6

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

AUGUST 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	E 12	E 15	E 15	E 14	NE 16	NE 14	NE 15	NE 14	NE 15	NE 16	NE 15	N 12	N 10
2	E 15	E 15	E 16	E 20	E 21	E 21	E 19	E 21	E 23	E 24	E 24	E 24	E 23
3	SW 10	SW 9	SW 9	SW 11	SW 12	SW 12	SW 11	S 10	S 9	S 10	S 9	S 11	S 13
4	SW 9	SW 8	S 6	SW 6	S 7	S 9	S 18	S 13	S 10	S 11	S 9	S 7	S 9
5	S 18	S 15	S 16	S 18	S 18	S 15	S 12	S 11	S 10	S 9	S 6	S 8	S 14
6	SW 12	SW 10	S 12	SW 12	SW 14	S 15	S 15	S 12	S 15	S 12	S 11	S 12	S 6
7	S 10	S 10	S 8	S 6	S 8	S 9	S 9	S 7	S 7	S 7	S 7	E 7	E 8
8	S 4	S 2	S 5	S 8	SW 5	SW 6	SW 4	S 4	S 3	S 7	S 9	S 7	S 4
9	SW 4	S 5	S 6	S 5	SW 6	SW 4	S 4	SW 3	SW 4	SW 4	SW 3	SW 5	SW 0
10	S 3	S 3	SW 5	S 5	S 4	S 6	S 4	S 4	S 4	S 3	S 2	S 2	E 15
11	E 4	E 6	E 10	E 12	E 12	E 14	E 13	E 15	E 16	E 15	E 16	E 15	SW 5
12	E 2	E 2	0	E 2	0	E 3	E 4	E 4	0	S 4	S 5	S 4	W 9
13	SW 6	SW 6	SW 7	SW 7	SW 7	SW 9	SW 11	SW 9	SW 9	SW 7	SW 7	SW 6	N 19
14	W 3	0	NE 2	NE 3	NE 4	E 5	E 8	E 8	E 7	E 14	N 21	N 18	SW 4
15	E 15	SE 15	SE 14	SE 12	SE 13	E 12	E 11	SW 12	SW 7	S 5	SW 3	W 4	E 23
16	S 9	SE 21	SE 27	SE 31	SE 31	SE 30	SE 28	E 24	E 25	E 27	E 24	E 24	E 20
17	NE 29	NE 30	NE 34	NE 34	NE 33	NE 35	NE 30	NE 24	NE 19	NE 15	E 21	E 23	E 16
18	E 25	E 27	E 30	E 28	E 32	E 34	NE 35	NE 28	NE 19	E 17	E 18	E 19	E 9
19	E 12	E 11	E 13	E 13	E 9	E 14	E 14	E 12	E 10	E 12	E 10	E 8	E 3
20	E 7	E 8	E 12	S 9	E 6	E 6	E 6	N 3	S 4	S 3	S 3	S 2	SW 4
21	0	E 2	SW 3	E 3	NE 5	S 3	W 9	W 7	W 8	W 7	W 6	W 7	W 9
22	W 7	SW 9	SW 7	W 8	W 7	SW 5	W 5	W 8	W 7	SW 5	SW 8	SW 10	W 0
23	S 12	S 11	S 12	S 10	S 9	SW 8	SW 9	SW 7	SW 4	SW 4	SW 4	SW 3	2
24	NE 5	NE 5	S 5	E 5	S 5	S 5	S 5	S 4	E 3	E 2	NE 2	S 2	S 4
25	SW 4	SW 5	SW 4	SW 4	SW 5	SW 2	SW 3	SW 7	S 5	SW 6	S 4	S 2	SW 0
26	SW 3	S 4	W 7	SW 4	SE 3	SE 4	S 6	S 5	SE 3	SE 3	SE 3	E 2	2
27	0	S 2	0	0	SW 2	SW 3	S 2	S 2	S 3	S 4	S 2	S 3	S 9
28	W 3	W 3	SW 4	SW 4	SW 4	S 4	S 3	E 3	E 4	N 4	NW 4	E 3	E 8
29	S 2	E 2	E 2	0	E 6	N 7	N 8	E 5	E 2	N 12	N 11	NW 11	NE 2
30	E 15	E 15	E 14	E 15	E 13	E 14	E 12	E 11	E 8	E 3	E 2	SW 2	W 4
31	SW 6	SW 9	S 9	SW 7	SW 7	S 8	S 9	S 9	S 4	S 4	S 6	S 7	S
Prevailing direction	E	E	S	E	SW	S, E	S	S	S	S	S	S	S, E
Mean velocity	8.6	9.2	10.1	10.2	10.5	10.8	11.0	9.9	8.6	8.9	8.9	8.7	8.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	NE 9	NE 7	NE 7	NE 7	E 8	SE 7	SE 8	E 10	S 9	SE 11	SE 15	NE	11.7	E	23
2	SE 21	SE 24	SE 24	SE 24	SE 19	E 24	SE 24	E 21	E 23	E 18	SE 12	E	20.8	E	26
3	S 12	S 13	S 14	S 15	S 15	S 12	S 15	S 11	S 8	S 9	SW 12	S	11.3	S	17
4	S 12	S 14	S 14	S 10	S 10	S 9	S 14	S 14	S 11	S 14	S 16	S	10.8	S	25
5	S 7	S 7	S 6	S 8	S 6	S 9	S 10	S 12	S 12	S 10	S 12	S	11.0	S	21
6	S 13	S 11	S 10	S 12	S 12	S 11	S 9	S 9	S 11	S 10	S 9	S	11.8	S	18
7	S 5	S 6	S 4	S 7	S 7	S 6	S 6	S 6	S 6	S 7	S 7	S	7.0	SW	12
8	S 7	S 8	S 9	SW 8	S 8	SW 6	S 6	S 6	S 5	SW 4	SW 2	S	5.9	S	9
9	SW 3	SW 4	SW 5	SW 4	SW 5	SW 4	SW 3	S 5	S 3	S 5	S 5	SW	4.3	S	7
10	S 2	SW 2	S 2	0	SW 2	0	SW 2	SW 3	SW 3	SE 2	0	S	2.6	SW	7
11	E 14	E 15	SE 15	SE 12	E 10	SE 6	W 3	W 3	SW 4	W 3	SW 3	E	10.5	SW	18
12	W 6	W 4	SW 4	W 5	W 3	SW 4	SW 4	SW 4	SW 4	SW 4	SW 5	SW	3.4	E	7
13	W 7	W 7	W 5	W 6	W 6	W 4	W 4	W 3	W 5	W 4	W 3	SW, W	6.4	W	12
14	N 15	N 16	N 15	N 13	NE 12	E 10	E 12	E 14	E 15	E 15	E 17	E	11.1	SW	21
15	SW 2	S 2	0	NW 5	SW 7	S 6	S 10	S 9	S 9	S 8	S 8	S	8.0	N	18
16	NE 25	NE 26	NE 17	E 27	E 27	E 24	E 24	E 28	E 28	E 21	NE 25	E	24.8	E	40
17	E 15	E 7	NE 4	SW 10	SW 12	SW 12	S 8	SE 15	SE 21	SE 24	E 26	NE	20.9	SE	44
18	E 11	E 11	NE 8	SE 7	E 9	E 4	E 9	E 4	E 6	E 12	E 12	E	17.5	NE	37
19	E 11	E 10	E 10	E 9	E 11	E 10	E 9	E 10	E 9	E 8	E 8	E	10.5	NE	21
20	SW 2	W 3	W 2	0	W 5	W 5	S 2	W 4	W 3	SW 4	W 4	W	4.4	E	15
21	W 5	W 5	W 6	W 6	W 7	W 7	W 5	W 5	W 4	W 8	W 7	W	5.4	E	9
22	SW 12	SW 18	SW 16	SW 15	SW 15	SW 18	W 18	S 16	S 16	S 12	S 15	SW	11.1	W	21
23	SW 2	0	E 2	E 5	E 6	E 6	E 6	SW 6	E 6	E 5	E 5	SW	5.9	W	15
24	SW 2	SW 3	SW 3	SW 3	SW 2	SW 4	0	SW 2	SW 3	SW 2	SW 2	SW	3.2	S	5
25	SW 2	SW 3	SW 3	S 2	S 3	S 2	S 3	SW 4	SW 4	SW 4	S 5	SW	3.8	SW	7
26	NE 3	E 4	SE 3	S 3	S 4	SE 2	S 2	S 4	0	0	E 3	S, SE	3.1	S	11
27	S 3	S 4	S 4	S 4	S 4	S 3	SW 3	SW 4	S 4	SW 4	SW 4	S	2.8	S	6
28	NE 8	NE 2	NE 2	NE 3	E 4	S 4	0	S 2	NE 2	E 2	SW 2	E	3.5	S	10
29	NE 10	NE 13	N 12	N 12	N 12	N 11	NE 12	E 12	E 13	E 15	E 15	E	8.9	N	16
30	W 3	W 4	SW 6	S 8	S 4	SW 6	SW 4	SW 4	SW 3	W 2	SW 3	E	7.2	E	18
31	S 2	S 5	S 6	S 5	S 5	S 7	SW 4	SW 5	S 2	SW 4	S 4	S	5.8	E	12
Prevailing direction	S	S	S	S	S	S	S	S	S	S	S	S		SW	
Mean velocity	8.1	8.3	7.7	8.2	8.4	7.8	7.7	8.2	8.2	8.0	8.6		8.9		17.2

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

SEPTEMBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1													
2	S 4	S 3	0	SW 4	S 2	S 3	S 2	S 2	0	0	S 3	S 2	0
3	SW 5	S 6	W 5	S 7	S 9	SW 10	SW 8	SW 8	SW 8	S 8	S 6	S 7	S 9
4	SW 11	SW 12	SW 11	SW 13	SW 11	SW 11	SW 12	SW 12	SW 12	SW 12	W 12	SW 11	W 13
5	S 4	SW 2	W 3	S 2	SW 2	SW 2	0	SW 4	W 2	W 2	W 3	SW 4	S 3
6	W 4	S 2	0	0	0	0	S 2	0	0	0	SW 2	NW 3	NW 2
7	N 4	SW 4	SW 6	SW 6	SW 5	SW 4	SW 7	W 7	SW 8	W 6	W 8	W 7	W 9
8	SW 9	S 9	S 5	SW 4	SW 6	SW 9	SW 7	S 6	S 6	S 3	W 4	SW 6	SW 4
9	E 13	E 16	E 17	E 19	E 19	E 18	E 18	E 18	SE 17	SE 15	E 15	E 9	S 7
10	S 2	SW 4	S 2	0	0	0	S 2	S 6	S 5	S 4	S 3	S 4	S 2
11	SW 11	S 11	S 13	SW 12	S 10	SW 11	SW 13	SW 11	SW 9	S 6	S 7	W 9	SW 8
12	E 3	SE 3	E 2	S 2	0	E 3	E 3	SE 6	S 4	S 7	S 8	S 4	S 8
13	0	0	NE 2	E 5	E 6	E 4	E 2	E 2	E 6	E 3	E 2	SE 4	S 4
14	E 7	E 7	E 8	E 10	E 13	E 12	E 13	E 12	E 14	E 15	E 17	E 17	E 18
15	SW 2	S 3	SE 3	W 2	E 2	E 2	E 2	E 2	E 2	E 4	E 5	E 5	E 3
16	E 5	E 8	N 5	E 9	E 9	E 10	E 9	E 3	E 5	E 5	E 5	E 9	E 10
17	S 8	S 7	S 8	S 9	S 8	S 6	S 9	SW 9	S 10	S 11	S 10	S 9	S 12
18	SW 5	S 6	S 6	S 6	S 6	S 7	S 8	S 5	S 6	E 5	E 3	E 13	E 16
19	SE 26	SE 29	SE 30	SE 27	E 34	SE 35	E 27	E 26	E 22	E 24	SE 21	SE 15	S 9
20	W 13	SW 12	S 10	SW 14	SW 14	SW 15	S 14	SW 17	SW 18	S 18	S 18	S 17	SW 15
21	W 9	W 9	W 9	W 10	SW 9	SW 12	SW 9	W 8	W 9	SW 4	SW 6	SW 4	SW 5
22	E 3	E 2	S 5	S 9	S 15	S 17	S 12	SW 14	SW 15	S 15	SW 11	S 12	S 6
23	S 16	SW 13	SW 16	SW 15	SW 14	SW 12	SW 14	SW 12	SW 12	SW 12	SW 11	SW 14	SW 17
24	W 3	SW 5	E 3	E 3	E 7	0	SW 3	SW 4	SW 5	SW 5	SW 5	SW 5	SW 6
25	E 20	E 21	E 19	E 14	SE 14	SE 10	SE 10	SE 10	SE 11	SE 8	S 9	SW 6	SW 9
26	SW 3	SW 6	SW 3	SW 4	NE 7	E 10	E 15	E 15	E 15	E 16	E 19	E 18	E 20
27	S 5	SE 7	S 5	S 5	S 6	SW 4	S 6	SW 8	S 8	S 9	S 8	S 7	S 3
28	S 4	S 4	S 4	S 3	S 5	S 4	S 2	S 4	SW 4	SW 4	SW 5	SW 9	SW 4
29	S 4	S 8	S 6	S 5	S 5	S 4	S 8	SW 8	SW 5	SW 7	S 8	S 9	S 9
30	S 5	S 5	S 4	S 3	S 3	S 2	S 4	E 4	E 3	S 4	SE 4	SE 3	SE 5
	S 6	S 5	S 4	E 5	E 9	E 12	E 10	E 11	E 12	E 12	E 13	E 13	N 12
Prevailing direction	S	S	S	S	S	SW	S	SW	SW	S	S	S	S
Mean velocity	7.1	7.6	7.1	7.6	8.3	8.3	8.4	8.5	8.4	8.1	8.4	8.5	8.3

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1															
2	0	S 3	S 2	S 3	S 2	S 2	SW 2	SW 3	S 2	SW 2	SW 3	S	2.0	S	7
3	S 9	S 9	S 9	SW 11	SW 12	SW 11	S 9	S 9	S 8	SW 10	SW 12	S	8.5	SW	13
4	SW 12	SW 13	SW 13	SW 13	SW 15	W 12	SW 11	SW 9	SW 7	SW 8	SW 5	SW	11.3	SW	18
5	S 4	SW 4	SW 5	W 3	W 5	W 5	W 5	W 7	W 6	W 6	W 6	W	3.7	W	8
6	N 5	N 3	NW 10	W 7	W 7	W 5	W 3	W 5	SW 5	NW 3	S 3	W	3.0	NW	14
7	SW 10	SW 10	SW 12	SW 6	W 9	SW 10	SW 12	S 9	SW 9	SW 6	SW 3	SW	7.4	SW	15
8	SW 3	SW 5	0	SW 2	0	S 3	0	NE 4	E 4	E 8	E 9	SW	4.8	S	12
9	S 5	S 9	S 8	SW 8	SW 8	S 6	S 8	SW 7	S 5	S 4	S 3	E	11.3	E	21
10	S 6	S 9	S 6	0	S 3	S 5	S 6	S 5	SE 3	W 2	SW 6	S	3.5	S	11
11	S 6	SW 8	SW 9	SE 4	SE 6	E 8	E 3	NE 2	E 5	E 7	E 6	SW	8.1	S	21
12	S 9	S 9	S 8	SW 9	SW 9	S 4	SE 9	E 5	W 4	SW 4	E 3	S	5.3	SW	13
13	SW 5	SW 3	SW 6	SW 6	S 4	S 2	E 3	SE 2	0	E 4	E 6	E	3.4	E	8
14	E 19	E 21	E 20	E 24	E 24	E 19	E 15	E 16	S 10	S 6	NE 4	E	14.2	E	29
15	NE 4	E 2	E 3	E 8	E 8	E 9	NE 8	E 9	E 8	E 7	E 7	E	4.6	E	9
16	E 7	E 6	E 6	E 4	E 3	E 4	E 3	E 3	SE 4	S 4	S 8	E	6.0	E	13
17	SW 12	SW 11	SW 9	SW 7	SW 6	SW 5	SW 6	SW 6	SW 6	S 5	SW 5	S	8.1	S	14
18	E 18	E 18	E 20	E 21	E 20	E 19	E 18	SE 17	SE 18	E 17	SE 20	E	12.4	E	32
19	S 8	S 9	S 6	SW 9	SW 9	SW 11	S 12	S 14	SW 12	W 12	SW 13	SE	18.3	E	36
20	SW 18	SW 13	W 13	SW 12	W 9	W 9	W 12	W 12	W 11	W 12	W 10	SW	13.6	S	22
21	SW 9	SW 9	SW 9	SW 9	SW 13	SW 9	SW 9	SW 9	S 8	SE 7	E 5	SW	8.3	SW	14
22	S 4	S 6	S 12	S 14	S 15	S 19	S 18	S 17	S 16	SW 16	SW 15	S	12.0	S	20
23	SW 15	SW 13	SW 18	SW 17	SW 12	SW 13	SW 8	S 8	S 9	W 9	W 7	SW	12.8	SW	20
24	SW 7	SW 6	SW 6	SW 6	SW 5	SW 2	S 5	S 7	S 8	S 8	E 10	SW	5.2	SW	16
25	S 13	S 11	S 13	S 12	SW 12	S 8	S 9	S 11	S 11	SW 5	SW 5	S	11.3	E	22
26	E 18	E 18	E 18	E 15	E 12	E 9	E 9	E 14	E 12	E 7	SE 6	E	12.0	E	21
27	S 4	S 4	S 6	S 8	SE 8	SE 7	E 3	S 7	S 7	S 6	S 2	S	6.0	S	10
28	SW 8	SW 6	SW 8	S 7	S 7	SW 9	SW 7	S 6	S 7	S 9	S 6	S	5.7	S	12
29	S 12	S 11	S 7	S 7	S 7	S 4	S 2	SW 6	S 4	S 3	S 3	S	6.3	S	15
30	SE 5	E 6	E 5	SE 6	S 6	S 4	0	S 3	S 2	0	S 3	S	3.7	E	7
	N 17	N 19	N 18	N 20	N 19	NE 21	NE 21	NE 22	NE 21	E 20	E 18	E	14.2	N	27
Prevailing direction	S	SW	S, SW	SW	SW	S	S	S	S	S	SW	S			
Mean velocity	9.1	9.1	9.5	9.3	9.2	8.5	7.9	8.5	7.7	7.2	7.1		8.2		16.7

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

OCTOBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	E 22	E 24	E 24	E 24	E 24	E 21	E 24	E 24	E 23	E 21	SE 21	SE 21	E 18
2	W 8	E 6	SE 3	S 6	SW 5	W 6	W 7	W 8	W 7	W 8	W 8	W 5	SW 5
3	S 3	S 3	S 2	S 2	S 3	S 3	SW 4	W 5	W 4	W 3	SW 2	SW 3	W 5
4	W 6	W 6	W 5	W 5	W 6	SW 6	SW 4	SW 6	SW 5	W 5	SW 4	W 5	W 4
5	E 9	NE 12	E 12	E 12	E 12	NE 12	E 11	E 8	E 6	E 7	E 12	E 14	S 5
6	SW 6	W 8	SW 8	SW 9	S 9	S 12	S 9	S 14	S 16	S 15	SW 11	SW 11	S 8
7	SW 7	SW 6	SW 6	SW 3	SW 4	SW 3	S 2	E 4	E 10	E 8	E 11	E 12	E 14
8	E 14	E 14	E 14	E 14	E 12	E 12	E 14	E 14	E 16	E 15	E 15	E 15	E 13
9	E 9	E 9	SE 10	SE 10	SE 9	SE 10	SE 9	E 7	E 5	E 5	S 9	S 6	E 8
10	SW 7	SW 12	SW 9	S 7	S 11	S 9	S 12	S 12	S 14	S 13	SW 12	SW 12	S 14
11	S 4	S 2	S 4	S 3	S 3	S 3	SW 5	SW 9	SW 12	SW 15	SW 15	SW 15	S 15
12	SW 4	SW 7	SW 3	SW 3	NE 2	N 5	E 4	E 14	E 21	E 25	E 24	E 24	E 23
13	SE 8	NE 9	E 4	SW 3	S 4	SW 4	E 2	E 3	E 3	S 5	S 4	S 4	S 4
14	S 3	E 6	SE 6	S 8	S 6	S 6	SW 4	S 6	S 3	S 3	S 3	E 7	E 6
15	NE 10	NE 11	NE 12	NE 11	NE 12	E 12	S 12	E 13	E 12	E 9	E 8	SE 8	S 10
16	W 2	S 4	S 6	S 5	SW 3	SE 4	W 6	S 5	S 5	SE 3	W 4	SW 5	SW 5
17	E 9	E 9	E 10	E 9	E 8	E 9	E 11	E 12	E 12	E 13	E 12	E 12	E 15
18	S 9	S 9	SE 8	E 9	S 6	SE 9	SE 9	SE 11	E 6	E 11	E 15	E 15	E 15
19	E 13	E 15	E 13	E 13	E 12	E 13	E 15	E 15	E 15	E 15	E 15	E 14	E 14
20	E 8	E 11	E 9	E 6	E 4	S 4	S 4	S 4	E 10	E 12	E 14	E 12	E 13
21	E 12	E 15	E 15	E 18	E 21	E 19	E 17	E 15	E 13	E 18	E 18	E 18	SE 16
22	W 8	SW 8	SW 8	SW 9	SW 10	S 11	S 12	SW 13	SW 14	SW 15	S 15	S 15	SW 15
23	S 7	E 6	E 10	E 12	E 15	E 17	E 19	E 19	E 20	E 18	E 20	E 18	E 17
24	E 13	E 12	E 12	E 11	E 12	E 7	E 10	SE 10	SE 9	SE 8	E 5	E 5	E 8
25	E 8	NE 6	NE 5	E 5	E 2	E 3	0	S 3	S 4	S 6	S 6	S 4	E 4
26	SW 3	SW 3	SW 3	SW 4	SW 2	SE 3	SE 4	S 6	S 6	S 6	S 6	S 10	SW 6
27	SW 6	SW 3	SW 4	N 3	S 4	S 8	S 8	S 7	S 9	S 9	S 6	S 5	S 11
28	S 7	SW 7	S 9	S 7	S 6	S 5	SW 7	W 7	SW 6	S 8	S 5	W 5	S 9
29	W 7	W 4	W 6	W 5	W 5	SW 3	SW 3	W 7	W 6	W 5	W 5	E 7	S 3
30	E 4	E 3	E 2	E 2	SE 2	SE 3	E 5	E 8	E 10	E 9	SE 8	E 9	W 8
31	E 11	E 13	E 11	E 11	E 12	E 12	E 9	E 8	E 7	E 10	E 9	E	N 6
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	8.0	8.5	8.2	8.0	7.9	8.2	8.5	9.6	10.0	10.4	10.4	10.4	10.2

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	E 18	E 15	E 15	E 15	E 18	E 17	E 15	E 14	E 13	E 10	E 10	E	18.8	E	26
2	SW 9	SW 7	W 9	SW 6	SW 7	W 4	W 3	SW 5	S 9	S 8	S 6	W	6.5	S	12
3	W 6	W 6	W 8	W 6	W 7	W 6	SW 7	W 7	W 7	SW 9	SW 5	W	4.8	SW	11
4	W 4	W 3	W 3	SW 3	S 3	SW 3	E 5	E 8	E 11	NE 9	E 9	W	5.3	E	13
5	S 7	S 7	S 6	S 8	S 4	S 5	S 6	S 5	S 8	S 7	S 5	S	8.3	E	16
6	S 9	S 12	S 14	S 10	S 11	S 9	S 9	S 9	SW 9	SW 9	SW 6	S	10.1	S	18
7	E 13	E 13	NE 11	NE 12	NE 12	NE 12	E 12	E 12	E 13	E 13	E 15	E	9.5	S	15
8	E 12	E 13	E 13	E 12	E 12	E 12	E 9	E 10	E 10	E 11	E 9	E	12.7	E	17
9	S 9	S 13	S 12	S 14	S 9	S 7	S 9	S 9	S 10	SW 8	SW 9	S	9.0	E	16
10	SW 10	SW 11	S 15	SW 7	SW 5	SW 9	S 4	S 4	S 4	S 5	S 5	S	9.3	S	18
11	S 15	S 10	S 11	S 13	S 9	S 8	S 7	S 7	S 7	S 4	SW 6	S	8.4	SW	19
12	E 20	E 22	E 21	E 19	E 13	E 12	E 9	E 12	E 8	E 5	E 7	E	12.8	S	29
13	S 5	S 5	S 6	S 9	S 9	S 6	S 5	S 4	SE 2	S 3	S 3	S	4.8	E	12
14	E 7	E 4	E 9	N 8	N 5	N 6	N 9	NE 9	E 8	NE 10	NE 10	S	6.3	S	13
15	SE 9	E 9	S 6	S 3	S 6	N 4	N 5	N 5	N 4	W 5	W 3	E	8.3	NE	16
16	SW 4	SW 6	S 8	S 6	S 3	S 6	S 9	S 9	SE 6	SE 6	E 7	S	5.3	E	10
17	E 15	E 15	E 13	E 14	E 15	E 13	E 12	E 8	E 9	E 7	E 7	E	11.2	S	16
18	E 17	E 16	E 15	E 16	E 17	E 17	E 16	E 15	E 15	E 12	E 14	E	12.6	E	18
19	E 15	E 14	E 13	E 13	E 13	E 12	E 10	E 9	E 9	E 8	E 6	E	12.7	E	17
20	E 15	E 13	E 14	E 15	E 16	E 15	E 15	E 15	E 15	E 15	E 15	E	11.4	E	17
21	S 12	S 11	S 10	S 10	S 13	S 14	SW 17	SW 15	W 9	S 11	S 9	E	14.4	E	21
22	S 16	S 15	S 15	S 14	SW 12	SW 13	SW 14	S 13	S 8	S 8	S 7	S	12.0	E	22
23	E 15	E 14	E 13	E 12	E 14	E 13	E 9	E 8	NE 9	N 7	E 10	E	13.4	S	22
24	SE 12	SE 12	SE 11	SE 12	SE 12	SE 11	SE 12	SE 10	SE 9	SE 8	SE 7	SE	9.9	E	15
25	SW 5	SW 5	SW 4	SW 4	SW 4	SW 3	SW 3	SW 3	SW 3	SW 6	SW 3	SW	4.2	E	8
26	S 5	S 7	S 5	S 5	S 5	SW 7	SW 6	SW 5	S 8	SW 8	SW 6	S	5.1	E	8
27	S 10	S 9	S 11	S 12	S 10	S 9	SW 7	SW 10	S 9	S 9	SW 9	S	8.0	S	13
28	S 9	S 8	S 7	S 8	SW 5	SW 5	SW 5	W 5	W 7	W 5	W 7	S	6.6	S	12
29	W 6	W 5	W 6	W 5	W 4	W 3	W 2	W 4	W 3	E 3	E 7	W	4.7	W	8
30	E 12	E 12	E 12	E 12	E 9	E 10	E 9	E 6	N 7	NE 7	E 11	E	7.4	E	13
31	N 7	N 5	N 6	N 4	N 4	N 3	N 4	N 3	S 4	S 4	E 3	E	7.3	E	14
Prevailing direction	E	E	S	S	S	E	E	E	E	E, S	E	E			
Mean velocity	10.6	10.2	10.4	9.9	9.2	8.8	8.5	8.3	8.2	7.7	7.6		9.1		15.6

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

NOVEMBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time.]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	E 3	E 3	E 2	E 2	NE 4	NE 4	E 6	E 4	E 3	E 6	E 6	E 9	E 8
2	NE 3	N 7	N 3	SE 3	E 7	E 5	E 5	E 7	E 9	E 9	E 9	E 9	E 10
3	E 12	E 13	E 13	E 12	E 11	E 10	E 10	E 9	E 9	E 9	E 9	S 6	E 6
4	NE 11	NE 9	N 9	N 11	N 12	N 11	N 9	N 7	N 8	N 6	N 7	NE 8	E 8
5	E 15	E 15	E 17	SE 18	S 14	S 13	S 14	S 12	S 12	S 12	S 11	S 12	S 12
6	SE 5	SE 2	SE 5	SE 7	E 8	NE 6	SE 7	SE 7	E 7	SE 8	SE 9	SE 8	SE 8
7	S 11	S 6	S 7	S 7	SW 7	W 6	W 7	W 6	SE 2	SE 2	SE 3	0	E 6
8	W 4	E 4	E 9	N 7	N 2	E 4	W 9	NW 10	N 6	N 12	N 16	N 15	N 18
9	E 6	E 4	E 4	E 3	E 7	E 8	E 9	NE 9	NE 9	N 8	N 9	N 6	NE 9
10	E 15	E 14	E 14	E 15	E 14	E 15	E 15	E 14	E 9	E 10	E 9	E 7	E 7
11	S 4	S 4	S 3	S 3	S 4	S 3	S 6	SW 3	S 4	S 8	SW 9	SW 9	S 9
12	S 3	S 5	S 7	S 3	S 3	S 5	S 4	SE 6	E 10	E 11	E 13	E 11	E 11
13	E 13	E 14	E 13	E 12	SW 6	SW 2	SW 2	SW 2	SW 2	0	S 4	S 6	S 5
14	E 10	E 9	E 15	E 13	E 13	E 15	E 16	E 18	E 19	E 18	E 18	E 18	E 20
15	NE 3	E 7	SE 8	SE 7	E 6	E 5	E 4	E 7	E 6	E 6	E 5	E 5	S 5
16	E 10	E 7	E 9	E 12	E 12	E 12	E 14	E 14	E 15	E 15	E 15	E 16	E 16
17	S 18	S 12	SE 11	SE 15	S 12	S 8	S 6	SW 6	SW 4	SW 3	SW 3	SW 4	SW 3
18	S 5	S 4	S 5	S 3	S 4	S 6	S 4	W 6	SW 6	W 7	W 7	W 14	W 11
19	SW 6	SW 7	S 7	S 6	S 4	SE 3	E 11	E 12	E 11	E 11	E 11	SE 9	S 7
20	SW 11	SW 12	W 9	W 7	W 7	W 8	W 7	W 6	W 4	SW 5	SW 6	SW 5	SW 4
21	S 4	W 3	SW 7	SW 6	SW 9	SW 9	SW 9	W 9	W 9	SW 9	SW 9	W 8	W 10
22	W 13	NW 12	W 13	NW 14	W 13	W 6	W 4	W 4	E 3	E 3	E 3	E 5	E 7
23	E 11	E 12	E 12	E 9	E 9	E 7	E 7	SW 4	S 4	S 5	S 3	S 4	S 3
24	E 15	E 16	E 16	E 15	E 16	E 17	E 18	E 17	E 17	E 17	E 16	E 15	E 15
25	E 6	E 5	E 4	E 3	E 2	E 2	S 3	S 4	N 3	N 4	N 7	N 9	W 6
26	SW 11	SW 9	SW 9	SW 9	SW 9	SW 9	SW 9	SW 7	SW 8	S 8	SW 9	S 11	S 9
27	SW 5	SW 5	SW 2	SW 2	SW 2	E 2	E 5	E 9	E 12	E 14	E 16	E 17	E 18
28	E 16	E 16	E 14	E 14	E 14	E 15	E 15	E 15	E 13	E 12	E 12	E 12	E 11
29	NE 7	E 9	E 7	E 3	SE 5	SE 2	SE 2	E 3	E 2	E 2	E 3	E 2	NE 3
30	E 14	E 17	E 16	E 17	E 18	E 19	E 19	E 18	E 18	E 16	E 17	E 16	E 16
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	9.0	8.7	9.0	8.6	8.5	7.9	8.5	8.5	8.1	8.5	9.1	9.2	9.4

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind	
														Dir.	Vel.
Day															
1	W 6	W 8	W 5	W 4	W 5	W 4	W 4	W 9	W 8	W 6	N 3	E	5.1	E	9
2	E 11	E 10	E 12	E 11	E 11	E 12	E 12	E 12	E 12	E 11	E 12	E	8.8	E	14
3	E 6	E 9	E 9	E 6	E 9	E 9	NE 10	E 9	E 9	NE 11	NE 11	E	9.5	E	15
4	SE 11	E 12	E 12	E 13	E 13	E 14	E 15	E 13	E 15	E 15	E 14	E	11.0	E	20
5	S 13	S 12	S 12	S 12	S 13	S 13	S 12	SE 10	S 8	S 4	SE 5	S	12.1	E	18
6	SE 8	SE 8	SE 4	SE 5	S 5	S 6	S 8	S 8	S 8	S 11	S 12	SE	7.1	S	16
7	E 9	E 12	E 14	E 13	E 5	E 3	N 12	N 12	N 11	N 12	W 9	E	7.6	E	21
8	NW 13	N 7	N 8	N 13	N 6	W 7	SW 3	E 5	E 6	E 8	E 7	N	8.3	N	21
9	NE 9	E 9	E 9	NE 7	NE 9	NE 9	NE 10	E 10	E 14	E 15	E 15	E	8.6	E	18
10	S 6	S 6	S 4	S 5	S 7	S 9	SW 7	S 6	S 9	S 5	S 5	E	9.5	E	15
11	S 8	S 10	S 9	S 8	S 9	S 5	S 7	S 5	S 3	S 4	S 2	S	5.8	S	10
12	E 14	E 15	E 15	E 16	E 15	E 15	E 15	E 15	E 14	E 13	E 12	E	10.5	E	16
13	S 4	S 4	S 2	S 5	S 4	E 6	E 10	E 8	E 10	E 11	E 12	E	6.5	E	15
14	E 19	E 18	E 18	E 15	E 18	E 16	E 12	E 7	E 5	E 5	E 7	E	14.3	E	22
15	S 5	S 6	S 6	E 5	E 3	E 5	E 6	E 6	E 9	E 11	E 12	E	6.2	E	12
16	E 18	E 19	E 19	E 18	E 19	E 18	E 17	E 19	E 18	E 16	E 18	E	15.3	E	21
17	S 7	S 8	S 6	S 7	S 7	S 12	S 12	S 9	S 6	S 4	S 5	S	7.8	S	20
18	SW 12	SW 11	SW 9	SW 10	SW 9	S 7	S 6	S 3	SW 4	SW 3	SW 6	S	6.8	W	15
19	S 6	S 8	S 12	S 11	SW 8	SW 8	SW 6	SW 9	SW 7	SW 7	SW 9	SW	8.2	E	15
20	SW 2	SW 2	SW 2	E 3	E 5	E 6	E 3	E 4	E 5	E 6	SW 4	SW	5.5	SW	15
21	SW 12	W 11	W 9	W 9	W 9	W 12	W 12	W 10	W 11	W 14	W 14	W	9.3	W	14
22	E 6	E 8	E 8	E 9	E 9	SE 12	SE 13	E 12	E 11	E 7	E 10	E	8.5	NW	16
23	S 2	SW 2	SW 3	0	E 2	E 4	E 4	E 9	E 10	NE 9	E 10	E	6.0	E	15
24	E 13	E 13	E 12	E 11	E 9	E 9	E 8	E 8	E 9	E 6	E 6	E	13.1	E	19
25	W 10	W 14	SW 12	SW 12	SW 12	SW 11	SW 11	SW 11	SW 12	SW 9	SW 9	SW	7.5	W	16
26	S 13	S 14	S 13	S 14	S 14	S 14	S 12	S 9	S 7	S 7	SW 7	S	10.0	S	17
27	E 18	E 18	E 18	E 18	E 16	E 15	E 13	E 15	E 15	E 18	E 18	E	12.1	E	19
28	E 12	E 14	E 15	E 14	E 16	E 17	E 15	E 14	E 13	E 13	E 11	E	13.9	E	19
29	NE 7	NE 4	E 6	E 8	E 8	NE 11	NE 11	N 15	N 15	N 13	E 13	E	6.5	SE	16
30	E 16	E 16	E 15	E 14	E 14	SE 13	SE 13	SE 11	SW 7	SW 3	SW 3	E	14.4	E	19
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E			
Mean velocity	9.9	10.3	9.9	9.7	9.6	10.1	10.0	9.8	9.7	9.2	9.4		9.2		16.6

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

DECEMBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 4	SW 7	SW 3	SW 3	SW 3	SW 8	S 9	S 12	S 11	S 6	S 8	S 7	S 8
2	S 2	S 2	0	SW 2	SW 3	S 4	S 5	S 4	S 5	S 4	SW 5	SW 4	SW 4
3	E 5	S 5	S 4	S 2	S 4	S 6	SW 5	S 7	S 7	S 6	S 8	S 7	S 7
4	SE 5	E 15	E 15	E 16	E 15	E 15	E 15	E 14	E 13	E 12	S 9	S 7	S 4
5	S 7	SW 7	SW 6	SW 6	SW 3	SW 6	SW 7	SW 6	SW 6	SW 6	SW 9	SW 9	S 9
6	0	0	SW 2	SW 2	SW 4	SW 3	SW 3	SW 4	SW 4	SW 4	SW 6	SW 4	SW 6
7	S 6	S 7	S 5	S 4	S 3	S 4	S 5	W 6	W 7	W 7	SW 8	SW 8	S 10
8	E 7	E 8	E 7	E 9	E 10	E 8	E 7	E 8	E 9	E 9	E 9	E 9	SW 8
9	SW 9	SW 6	SW 6	SW 5	SW 4	S 3	S 3	S 2	S 3	S 2	S 3	SW 4	E 3
10	SW 3	0	SW 5	SE 3	E 7	E 9	E 12	E 12	E 12	E 13	E 15	E 16	SW 17
11	SE 13	SE 13	SE 13	SE 12	S 12	S 12	S 12	S 12	S 12	S 10	S 10	S 12	E 12
12	W 5	W 7	W 7	W 9	SW 9	SW 6	SW 6	SW 4	SW 5	SW 5	SW 5	SW 4	S 4
13	NW 4	W 4	W 6	W 5	W 7	SW 5	S 7	SW 6	S 8	SE 12	SE 14	SE 15	SW 15
14	S 8	SE 9	E 6	E 8	E 7	E 6	E 6	S 3	S 3	S 8	S 7	S 5	SE 5
15	SW 6	SW 4	SW 3	SW 3	SW 2	S 3	SE 5	NE 9	NE 12	NE 12	NE 14	NE 15	S 15
16	SW 5	SE 4	E 7	E 9	E 9	E 11	E 12	E 12	E 12	E 13	E 13	E 14	N 13
17	E 11	E 14	SE 14	SE 14	SE 15	SE 10	S 8	S 5	S 5	S 5	SE 2	SE 3	E 7
18	E 14	SE 14	E 14	E 13	SE 12	E 11	E 9	E 8	E 8	E 8	E 9	E 9	E 9
19	E 8	NE 8	NE 9	NE 7	E 7	E 8	E 7	E 9	E 9	E 9	E 9	E 9	E 9
20	S 12	S 12	E 12	E 14	SE 14	SE 16	SE 18	SE 19	SE 18	E 16	E 15	E 14	E 16
21	E 14	E 14	E 15	E 16	E 15	E 16	E 15	E 16	E 14	E 14	E 15	E 12	E 15
22	E 12	E 12	E 15	E 13	E 14	E 12	E 13	E 15	E 14	E 15	E 15	E 16	E 15
23	E 13	E 12	E 11	E 12	E 14	E 15	E 14	E 18	E 18	E 18	E 17	E 18	E 17
24	N 12	N 9	N 9	N 9	N 11	N 12	N 12	N 12	N 12	N 9	N 9	N 9	E 12
25	N 8	N 9	N 9	N 9	N 6	N 9	N 8	N 9	N 10	N 9	N 7	N 12	N 10
26	N 15	N 16	N 17	N 16	N 15	N 15	N 15	N 16	N 16	N 14	N 11	NW 8	N 11
27	W 4	SW 4	SW 3	SW 3	W 5	W 5	NW 6	NW 6	W 6	W 3	W 3	E 2	NW 2
28	SE 3	SE 7	SE 3	SE 3	SE 3	S 3	S 3	S 4	0	SE 2	SE 3	W 7	E 8
29	N 7	NE 9	NE 9	E 9	E 8	E 8	E 7	E 3	E 3	E 7	E 6	E 3	E 5
30	SW 7	S 9	S 9	S 9	S 9	S 8	S 6	E 9	E 11	SE 13	SE 12	SE 12	E 9
31	SE 9	SE 9	SE 9	S 9	S 10	S 8	S 8	S 10	S 11	S 10	S 12	S 12	S 12
Prevailing direction	E	SE, E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	7.6	8.3	8.2	8.2	8.4	8.5	8.6	9.0	9.2	9.1	9.3	9.2	9.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	S 6	SW 5	W 6	SW 8	S 9	S 4	S 3	S 3	S 2	S 2	S 3	S	5.8	S	13
2	SW 4	SW 4	SW 3	SW 3	E 4	E 3	E 3	E 4	E 5	E 5	E 3	SW	3.5	E	7
3	S 9	S 7	S 8	S 9	S 9	S 8	S 7	S 4	S 4	S 6	S 5	S	6.1	S	9
4	S 4	S 5	S 7	S 8	S 9	S 8	SW 5	SW 5	S 5	S 4	S 5	S	9.2	E	16
5	SW 9	SW 8	SW 7	SW 5	SW 3	0	SW 2	0	SW 3	SW 2	0	SW	5.3	SW	10
6	SW 5	SW 4	SW 3	0	E 2	E 2	E 2	E 4	E 6	E 6	S 4	SW	3.3	E	7
7	SW 9	SW 9	SW 7	W 7	W 6	W 4	W 3	W 2	E 3	S 2	E 4	S, W	5.7	SW	14
8	E 8	E 4	SW 3	S 2	S 7	SW 8	SW 10	SW 9	SW 9	SW 9	SW 10	E	7.8	SW	12
9	W 5	W 5	SW 5	SW 5	SW 4	SW 4	SW 5	SW 5	SW 4	SW 4	SW 2	SW	4.2	SW	11
10	E 17	E 17	E 17	E 17	E 16	SE 15	SE 16	SE 17	SE 16	SE 15	SE 14	E	12.5	SW	19
11	SW 12	SW 12	SW 11	W 10	W 10	W 9	W 9	W 9	W 8	W 6	W 8	S	10.8	SW	13
12	SW 4	SW 5	W 7	W 5	NW 6	W 7	N 5	N 5	N 4	N 6	N 6	SW	5.7	SE	10
13	SE 14	SE 12	S 10	S 8	S 5	S 4	S 4	SW 10	SW 9	SW 9	S 9	S	8.4	W	16
14	S 6	S 9	S 9	S 9	S 9	S 9	S 10	S 9	S 8	S 8	S 8	S	7.3	SE	10
15	W 11	NW 12	W 9	W 9	W 8	W 3	W 5	0	W 2	W 4	SW 4	W	7.1	S	17
16	E 11	E 9	E 9	SE 9	SE 9	SE 9	S 9	E 9	E 10	E 12	E 12	E	10.1	N	15
17	E 15	E 17	E 19	E 18	E 15	E 14	E 15	E 15	E 15	SE 13	SE 13	E	11.8	E	21
18	SE 9	SE 8	E 9	E 9	E 8	E 6	E 6	E 7	E 6	E 9	E 9	E	9.3	E	16
19	E 12	E 13	E 12	E 12	E 12	E 12	E 13	E 12	S 12	S 12	S 12	E	10.1	E	15
20	E 16	E 24	E 24	E 22	E 15	E 19	E 18	E 15	E 15	E 15	E 15	E	16.4	E	25
21	E 16	NE 16	NE 15	NE 18	NE 17	NE 15	NE 16	E 15	E 15	E 15	E 14	E	15.1	NE	19
22	E 15	E 16	E 17	E 18	E 15	E 14	E 14	E 13	E 13	E 12	E 13	E	14.2	E	19
23	E 16	E 15	E 12	E 12	E 12	E 11	E 12	NE 12	N 11	N 10	N 14	E	13.9	E	14
24	N 12	N 11	N 9	N 10	N 9	N 9	N 10	N 7	N 10	N 8	N 8	N	10.0	N	16
25	N 11	N 12	N 13	N 12	N 15	N 12	N 10	N 9	N 11	N 14	N 15	N	10.4	N	18
26	N 10	N 8	NW 9	W 9	W 9	W 8	W 9	W 7	W 7	W 6	W 6	N	11.4	N	7
27	E 5	E 6	E 5	E 5	0	0	W 2	0	SE 2	SE 2	SE 4	W	3.5	E	9
28	NE 7	NE 7	E 8	E 7	E 8	NE 8	E 9	N 8	N 9	N 6	N 6	SE	5.5	N	10
29	E 5	E 5	E 4	E 5	SE 6	SE 6	SE 8	S 8	S 9	S 5	SW 6	E	6.3	S	14
30	SE 8	SE 7	SE 7	SE 6	SE 6	S 8	S 9	S 10	S 9	SE 8	SE 6	S	8.6	SE	13
31	S 9	S 9	S 9	S 10	S 9	S 9	S 8	S 7	S 5	S 4	S 2	S	8.8	S	14.0
Prevailing direction	E	E	E	E	E	E	E	E	E	S	S	E			
Mean velocity	9.7	9.7	9.5	9.3	8.8	8.0	8.3	7.7	8.0	7.7	7.7		8.6		

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

JANUARY 1930

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	S 8	S 7	S 7	S 4	S 5	S 3	S 6	W 4	W 4	W 6	W 6	W 5	W 5
2	W 3	W 3	W 4	NE 5	NE 6	NE 9	N 7	N 9	N 10	N 12	N 13	N 15	N 15
3	SW 6	SW 6	S 6	S 5	S 6	S 5	S 6	E 4	E 5	E 6	N 7	N 8	N 9
4	NE 9	NE 9	NE 9	NE 10	E 12	E 12	E 13	E 15	E 15	E 15	E 17	E 17	E 18
5	E 18	E 17	E 17	E 16	E 16	E 16	E 15	E 15	E 15	E 15	E 15	E 15	E 15
6	E 17	E 16	E 17	E 18	E 18	E 18	E 19	E 19	E 19	E 19	E 19	E 21	E 19
7	E 16	E 15	E 16	E 15	E 17	E 17	E 18	E 16	E 18	E 18	E 18	E 21	E 20
8	NE 9	N 12	N 10	N 12	NE 12	NE 10	NE 9	E 10	E 10	E 10	NE 9	E 9	E 10
9	SE 9	E 9	E 3	SE 5	SE 5	E 6	NE 6	E 7	E 8	E 9	E 10	E 9	NE 5
10	NE 6	NE 6	NE 7	NE 6	NE 8	NE 8	NE 7	N 8	N 9	N 9	N 12	N 12	N 11
11	N 9	N 9	N 9	N 10	N 10	N 11	NE 10	NE 9	NE 9	NE 9	NE 7	N 8	N 7
12	NE 9	E 11	E 11	NE 12	NE 11	NE 10	NE 9	E 11	N 10	NE 11	N 11	N 9	N 9
13	N 6	W 6	SW 9	SW 9	SW 7	SW 9	SW 8	W 8	W 8	W 10	W 10	W 10	W 11
14	N 5	E 6	E 7	E 7	E 7	E 8	E 8	E 9	E 9	E 9	E 11	NE 10	NE 10
15	E 9	E 9	E 9	E 12	E 12	E 11	E 12	E 11	E 9	E 10	E 9	E 9	E 9
16	E 7	E 7	E 10	E 9	E 9	E 9	E 9	E 10	E 10	E 12	E 12	E 12	E 11
17	E 12	E 12	E 12	E 11	E 12	E 11	E 11	E 9	E 9	E 8	E 8	E 9	E 9
18	E 8	E 7	E 7	E 6	E 7	E 10	E 12	E 12	E 11	E 12	E 12	E 11	E 10
19	E 5	SE 6	SE 2	0	SE 2	SE 4	SE 5	S 4	S 6	S 5	S 6	S 6	SW 6
20	SW 10	SW 11	SW 11	SW 8	S 9	S 10	SW 8	W 6	W 9	W 8	W 9	W 9	W 9
21	S 6	S 3	S 5	S 5	S 3	0	E 4	E 6	E 6	E 9	E 9	E 10	E 10
22	S 13	S 12	S 11	S 15	SE 17	E 18	E 14	SE 10	SE 12	SE 15	SE 20	SE 18	SE 17
23	SE 9	SW 4	SW 7	SE 3	SE 8	SE 6	SE 6	E 10	E 13	E 13	E 12	E 12	E 12
24	SE 5	SW 6	S 7	S 10	S 9	S 9	S 13	S 12	S 12	S 12	S 14	S 14	S 15
25	W 5	S 4	S 3	SW 4	W 5	SW 3	SW 4	SW 5	SW 4	W 7	W 9	W 8	W 7
26	SW 6	S 7	SW 4	S 6	S 5	SW 3	W 4	S 3	S 2	S 4	S 3	S 4	S 5
27	SW 9	W 8	W 8	SW 7	SW 5	SW 6	SW 6	S 6	S 6	SW 7	SW 4	SW 4	S 4
28	E 13	E 15	E 16	E 17	E 19	E 19	E 21	E 23	E 24	E 24	E 25	E 24	E 22
29	E 15	SE 12	SE 12	SE 10	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 10	S 9
30	SW 12	SW 12	SW 15	SW 14	SW 11	W 9	W 9	W 10	W 8	W 9	W 9	W 9	W 6
31	E 7	NE 9	N 9	W 6	W 2	SW 3	S 2	W 2	SE 3	E 3	E 4	E 4	NE 4
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	9.1	8.9	9.0	8.9	9.2	9.1	9.4	9.4	9.7	10.5	10.0	11.0	10.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	W 4	W 5	W 7	W 7	W 3	W 6	W 5	NE 4	E 6	NE 7	N 4	W	5.3	S	10
2	N 14	N 14	N 13	N 15	N 13	N 12	N 12	N 9	SW 6	SW 6	SW 5	N	9.6	N	16
3	N 9	N 9	N 8	N 8	N 11	N 10	N 9	N 9	NE 7	NE 7	NE 8	N	7.2	N	12
4	E 18	E 16	E 17	E 18	E 15	E 18	E 17	E 17	E 16	E 16	E 16	E	14.8	E	19
5	E 14	E 13	E 16	E 17	E 17	E 17	E 18	E 17	E 17	E 16	E 18	E	16.0	E	24
6	E 20	E 20	E 20	E 19	E 18	E 18	E 15	E 17	E 18	E 16	E 16	E	18.2	E	22
7	E 20	E 18	E 17	E 16	E 20	E 18	E 17	E 17	NE 15	NE 15	NE 12	E	17.1	E	24
8	E 10	E 9	E 11	E 9	E 9	SE 9	SE 9	SE 10	SE 12	SE 9	SE 9	E	9.9	N	14
9	N 6	NE 7	N 7	N 9	N 7	N 7	NE 7	NE 9	NE 7	NE 7	NE 7	E, NE	7.1	E	12
10	N 10	N 9	N 10	N 9	N 7	N 7	NE 9	NE 8	NE 9	N 9	N 9	N	8.5	N	13
11	N 5	NE 7	NE 8	NE 7	NE 7	E 8	E 9	E 9	E 9	E 9	E 9	N, NE	8.5	N	12
12	N 9	N 7	N 8	N 6	N 7	N 5	N 5	N 6	N 6	N 6	N 6	N	8.5	E	12
13	W 9	W 8	W 8	W 5	W 2	W 2	W 2	W 3	W 2	NW 4	N 4	W	6.7	W	12
14	NE 11	NE 9	NE 9	NE 9	NE 9	NE 8	N 5	NE 3	N 4	E 2	E 7	E	7.6	NE	12
15	E 11	E 9	E 9	E 9	E 6	E 5	E 3	E 2	E 4	E 4	E 7	E	8.3	E	12
16	E 12	E 12	E 12	E 12	E 9	E 10	E 9	E 9	E 9	E 10	E 12	E	10.1	E	14
17	E 9	E 9	E 8	E 9	E 9	E 8	E 9	E 8	E 7	E 9	E 9	E	9.5	E	15
18	E 11	E 11	E 12	E 10	E 9	E 9	E 8	E 6	S 4	NE 4	NE 3	E	8.8	E	13
19	W 7	W 9	W 9	W 9	W 9	W 9	W 9	W 9	SW 11	W 10	W 11	W	6.6	W	13
20	SW 10	SW 11	SW 9	SW 8	SW 8	SW 6	SW 8	SW 6	S 5	S 5	S 4	SW	8.2	SW	14
21	E 10	E 12	E 12	E 16	SE 14	SE 10	SE 12	SE 13	S 10	S 9	S 10	E	8.5	E	19
22	SE 15	SE 14	SE 13	SE 12	SE 15	SE 15	SE 12	SE 12	E 13	E 12	E 11	SE	14.0	SE	20
23	E 11	E 10	E 12	E 9	E 8	SE 9	S 4	S 2	SE 3	E 2	E 2	E	7.8	E	14
24	SW 13	SW 12	S 11	S 10	S 10	S 10	S 11	S 12	S 8	S 3	S 6	S	10 2	S	16
25	W 7	W 6	W 7	W 6	W 4	W 5	SW 9	W 7	W 5	W 6	W 8	W	5.8	W	10
26	S 7	S 9	S 9	S 8	S 5	S 3	S 5	S 6	S 6	SW 7	SW 7	S	5.3	S	12
27	S 3	S 2	SW 3	SW 3	SW 2	E 6	E 8	E 5	NE 6	NE 8	E 9	SW	5.6	E	12
28	E 22	E 19	E 22	E 19	E 18	E 18	E 18	E 18	E 15	E 15	E 15	E	19.2	E	20
29	S 9	S 10	S 12	S 14	S 15	S 18	S 18	SW 14	SW 15	SW 12	SW 14	S	11.8	S	22
30	W 8	W 9	W 7	N 7	NW 6	W 8	W 9	E 3	E 2	E 4	E 5	W	8.4	SW	17
31	E 5	N 9	E 10	SE 14	SE 18	SE 18	SE 19	SE 18	SE 16	S 13	S 9	SE	8.6	SE	21
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E			
Mean velocity	10.6	10.5	10.8	10.6	10.0	10.1	10.0	9.3	8.8	8.5	8.8		9.7		15.7

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

FEBRUARY 1930

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	S 9	S 9	SW 9	SW 6	S 10	S 6	S 8	S 8	S 9	S 12	S 11	S 12	S 11
2	S 15	SW 12	SW 12	SW 15	SW 13	W 11	W 11	W 10	W 9	W 6	W 8	W 6	W 9
3	N 17	N 6	N 5	NW 5	NW 4	NW 3	NW 2	W 4	W 6	E 3	E 7	E 5	NW 5
4	N 12	W 5	W 4	E 4	E 9	E 11	E 12	E 15	E 13	E 11	W 8	W 11	S 6
5	E 13	E 14	E 15	E 12	E 12	E 11	E 14	E 14	E 15	E 15	E 14	E 15	E 15
6	E 17	E 17	E 18	E 19	E 18	E 17	E 16	E 11	E 6	E 6	E 2	E 3	E 3
7	SE 2	S 2	0	S 3	S 9	S 15	S 21	S 22	S 22	S 24	S 23	S 21	S 19
8	S 6	S 5	S 4	S 4	S 5	S 2	E 4	E 7	E 7	E 9	E 11	E 12	E 12
9	E 14	SE 12	S 4	SW 6	SW 2	S 3	E 5	E 16	E 16	E 15	E 12	E 9	E 11

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	S 13	S 15	S 16	S 17	S 18	S 17	S 18	S 18	S 20	S 18	S 16	S	12.8	S	21
2	W 9	W 10	W 9	W 11	W 9	W 10	W 12	W 10	W 11	W 12	NW 9	W	10.4	S	18
3	W 7	W 7	W 4	N 6	W 9	E 5	E 4	E 9	E 9	E 9	NE 12	E	6.0	NE	14
4	W 4	SW 6	S 7	SE 8	E 9	E 8	E 9	E 9	E 13	E 14	E 13	E	9.2	E	15
5	E 17	E 16	E 16	E 15	E 15	E 14	E 14	E 16	E 18	E 15	E 17	E	14.7	E	19
6	S 2	0	S 6	S 9	S 5	S 3	S 4	S 3	S 2	SE 2	0	E	7.9	E	19
7	SW 20	SW 21	SW 21	SW 19	SW 16	SW 15	SW 13	SW 12	SW 12	SW 9	SW 9	SW	14.6	E	27
8	E 15	E 16	E 17	E 18	E 18	E 16	E 17	E 18	E 15	E 13	E 14	E	11.0	S	20
9	11	13												E	

FEBRUARY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
12	SE 20	SE 19	E 17	SE 14	SE 13	SE 17	SE 13	SE 17	SE 22	SE 26	SE 26	SE 23	SE 25
13	S 4	S 5	S 5	SW 4	SW 6	SW 8	SW 8	SW 6	SW 7	SW 5	SW 4	SW 6	SW 7
14	SE 22	SE 24	SE 24	SE 25	SE 24	SE 23	SE 26	SE 25	SE 25	SE 23	SE 22	SE 17	SE 14
15	E 3	E 2	S 3	S 2	0	S 3	S 3	SW 2	SW 3	SW 4	S 5	SE 6	SE 9
16	W 11	W 10	W 6	W 11	W 12	W 14	W 17	W 15	W 16	W 13	SW 10	SW 9	SW 10
17	W 6	SW 5	W 6	W 4	W 5	SW 4	W 5	W 3	W 2	E 6	E 11	E 13	E 15
18	E 16	E 15	E 16	E 16	E 13	E 12	SE 15	SW 16	SW 12	SW 11	SW 14	SW 20	SW 23
19	SW 9	SW 10	SW 9	S 5	SE 5	SE 11	SE 9	S 11	S 7	S 9	SE 14	SE 18	SE 25
20	SE 26	SE 27	SE 25	SE 26	SE 25	SE 25	SE 26	SE 25	SE 26	SE 26	SE 26	SE 24	SE 25
21	SE 14	SE 12	SE 16	SE 16	SE 17	SE 13	SE 11	SE 17	SE 19	S 18	SE 17	SE 21	SE 21
22	SE 17	SE 17	S 15	S 14	S 10	S 6	SE 9	SE 7	SE 5	SE 8	S 5	S 4	S 5
23	S 2	0	S 2	SE 3	E 4	E 3	SE 3	S 4	S 4	S 3	S 4	S 5	S 3
24	S 4	SW 5	SW 3	SW 3	SW 4	SW 5	S 4	SW 6	SW 6	SW 6	S 7	S 8	S 10
25	SW 4	SW 5	SW 4	SW 3	SW 5	SW 3	SE 4	SW 4	S 3	S 6	S 5	S 5	SW 5
26	S 2	0	S 2	E 4	E 4	E 6	E 9	E 10	E 11	E 8	E 8	E 9	E 13
27	E 20	E 19	E 18	E 18	E 17	E 16	E 17	E 16	E 16	E 17	E 17	E 16	E 20
28	E 19	E 20	E 19	E 19	E 18	E 18	E 18	E 17	E 17	SE 11	S 5	SE 13	SE 21
Prevailing direction	SE	SE	S	SE	SE, E	E	SE	SE, SW	SE	SE	S	SE	SE
Mean velocity	11.7	11.5	11.2	11.0	10.7	11.0	11.6	11.8	11.8	11.8	11.8	12.8	14.8

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
12	SE 26	SE 24	SE 23	SE 19	SE 19	SE 20	SE 21	SE 20	E 17	SE 8	S 6	SE	19.0	SE	31
13	SW 6	SE 6	S 9	SE 17	SE 20	SE 20	SE 22	SE 25	SE 24	SE 24	SE 23	SW	11.3	SE	29
14	SE 12	SE 11	S 4	SW 3	SE 5	E 7	E 6	E 7	E 6	E 5	E 3	SE	15.1	SE	29
15	S 10	SW 14	SW 19	SW 16	W 14	W 11	W 13	W 12	W 14	W 11	W 9	W	7.8	SW	23
16	W 13	W 13	W 11	W 13	W 8	W 11	SW 10	W 8	W 8	W 7	W 6	W	10.9	W	17
17	E 15	E 16	E 16	E 17	E 16	E 16	E 16	E 17	E 18	E 17	E 16	E	11.0	E	19
18	SW 22	SW 19	SW 18	SW 22	S 13	S 12	SW 14	SW 15	SW 12	SW 9	SW 9	SW	15.2	SW	29
19	SE 26	SE 26	SE 26	SE 27	SE 27	SE 29	SE 26	SE 26	SE 25	SE 25	SE 25	SE	17.9	SE	34
20	SE 26	SE 26	SE 26	SE 26	SE 22	SE 22	SE 21	SE 18	SE 14	SE 16	SE 16	SE	23.5	SE	33
21	SE 24	SE 30	SE 31	SE 32	SE 32	SE 29	SE 26	S 17	SE 21	SE 20	SE 18	SE	20.5	SE	40
22	SW 5	SW 4	SW 5	SW 3	S 4	S 4	S 4	S 2	S 2	S 2	0	S	6.5	SE	19
23	SW 3	SW 5	S 4	S 6	S 7	S 7	SW 5	SW 5	S 5	S 4	S 4	S	4.0	S	9
24	S 9	SW 9	SW 8	SW 6	SW 8	SW 10	SW 8	SW 6	SW 5	SW 3	SW 3	SW	6.1	S	11
25	SW 7	S 7	S 6	SW 5	SW 5	S 3	S 3	S 2	S 3	S 3	S 3	S	4.3	S	9
26	E 15	E 16	E 16	E 15	E 14	E 17	E 16	E 16	E 16	E 17	E 18	E	10.9	E	20
27	E 18	E 18	E 19	E 18	E 18	E 20	E 20	E 20	E 21	E 20	E 19	E	18.2	E	24
28	SE 20	E 24	SE 22	E 22	SE 23	E 21	E 19	SE 19	E 23	SE 18	SE 15	E	18.4	SE	27
Prevailing direction	SE	SE	SE	SW	SE	E, SE	E, SE	SE	E	SE	SE	SE			
Mean velocity	15.1	15.8	15.5	15.7	15.0	15.2	14.7	13.8	13.8	12.3	11.4		13.0		23.7

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

MARCH 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SE 15	SE 7	SE 13	SE 12	S 5	SE 13	SW 7	SW 5	S 5	SW 7	S 6	S 6	S 7
2	SW 4	0	SW 5	E 10	E 10	NE 11	NE 11	E 11	E 10	E 16	E 16	E 15	E 16
3	E 26	SE 26	SE 26	SE 26	SE 25	SE 23	SE 24	SE 22	SE 22	SE 19	SE 16	SE 10	SE 11
4	SW 16	SW 11	SW 9	SW 7	SW 9	SW 7	SW 4	E 3	E 4	E 7	E 11	E 11	NW 15
5	NW 18	NW 17	N 18	N 17	N 17	N 19	N 19	N 17	N 17	N 17	N 17	N 17	N 16
6	E 14	E 16	E 13	E 10	E 11	E 12	E 10	E 8	E 9	E 5	SE 4	S 5	S 8
7	SW 18	SW 19	SW 15	SW 12	SW 9	W 7	SW 4	SW 4	SW 4	SE 4	E 9	E 13	E 13
8	NE 35	NE 34	NE 34	NE 34	NE 35	NE 33	NE 33	NE 30	NE 31	NE 31	NE 21	NE 19	NE 20
9	SW 14	SW 13	SW 14	SW 16	SW 16	S 18	SW 18	SW 19	SW 21	SW 22	SW 22	SW 23	SW 25
10	SW 15	SW 11	SW 9	SW 4	S 2	E 6	E 7	NE 8	E 10	NE 10	NE 13	NE 13	NE 15
11	E 22	E 22	E 24	E 22	E 19	E 18	E 14	E 17	SE 16	SE 14	SE 14	SE 20	SE 20
12	S 17	S 17	S 18	S 19	S 17	S 18	SE 22	S 19	S 26	S 31	S 27	S 29	S 31
13	S 24	S 25	S 26	S 22	SW 17	SW 17	SW 18	SW 15	SW 17	SW 13	SW 11	SW 12	SW 13
14	SW 6	SW 5	SW 6	SW 5	SW 3	SW 3	SW 3	SW 4	SW 3	S 4	SE 6	E 7	E 11
15	E 19	E 20	E 22	E 21	E 22	E 18	E 19	E 23	E 21	E 17	E 17	E 17	E 13
16	SW 5	W 8	W 6	W 8	W 7	W 5	W 10	W 10	W 12	W 9	W 12	W 10	W 12
17	W 7	SW 5	SW 7	S 9	S 13	S 8	S 7	SW 6	SW 6	SW 4	S 8	SW 7	SW 6
18	E 20	E 23	E 26	E 24	E 23	E 22	E 22	E 23	E 23	E 24	E 26	E 26	E 27
19	E 22	E 20	E 21	E 21	E 18	E 17	E 18	E 17	E 19	E 20	E 19	E 20	E 22
20	E 23	E 24	E 23	E 25	E 27	E 26	E 27	E 27	E 18	SE 7	SW 4	SW 6	SW 14
21	W 11	W 10	W 7	W 6	W 6	W 4	W 2	E 4	E 2	E 3	E 3	E 3	W 8
22	SW 8	W 8	SW 11	W 9	SW 9	SW 8	SW 7	W 8	W 9	W 8	W 8	W 10	W 12
23	SW 4	SW 4	SE 3	SW 3	SW 4	SW 3	SW 3	S 2	SE 5	E 12	E 16	E 17	E 24
24	E 31	E 31	E 30	E 29	E 26	E 25	E 20	N 24	W 20	W 10	W 9	NW 13	NW 11
25	SW 25	SW 22	SW 18	SW 15	SW 14	W 13	W 10	W 10	W 12	SW 15	SW 15	SW 14	SW 9
26	E 13	E 20	E 24	E 27	E 26	E 27	E 27	E 26	E 26	E 26	E 21	NE 17	NE 18
27	W 9	W 6	W 5	W 6	W 2	W 2	W 5	W 5	W 7	W 10	W 9	W 9	W 9
28	W 3	W 3	W 2	W 4	W 3	SW 2	SW 2	SW 4	E 6	E 5	E 5	SE 3	S 5
29	E 17	E 5	W 4	W 5	SW 6	S 7	S 6	S 7	SW 7	SW 3	SW 3	SW 5	SW 4
30	S 5	SW 6	SE 16	SE 20	E 27	E 30	E 26	E 25	E 24	E 24	E 22	E 22	SE 17
31	S 11	S 10	S 10	SW 8	S 6	S 6	S 8	S 9	S 8	S 5	S 7	S 7	S 7
Prevailing direction	SW, E	SW, E	SW	E	E	E	E	E	E	E	E	E	E
Mean velocity	15.4	14.5	15.0	14.7	14.0	13.8	13.3	13.3	13.5	13.0	12.8	13.1	14.2

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	SW 5	SW 4	S 5	S 3	S 3	SE 3	E 5	E 7	E 6	E 4	E 5	S	6.6	SE	17
2	E 17	E 19	E 20	E 24	E 21	E 24	E 25	E 26	E 27	E 28	E 27	E	16.4	E	33
3	S 10	S 7	SW 5	SW 7	SW 7	W 9	SW 9	SW 10	SW 14	SW 16	SW 15	SE	16.0	SE	29
4	NW 19	NW 21	NW 21	NW 23	NW 23	NW 23	NW 20	NW 23	NW 20	NW 18	NW 17	NW	14.3	NW	26
5	N 14	N 14	N 11	N 11	NE 9	NE 9	NE 8	NE 9	E 11	E 13	E 13	N	14.5	N	24
6	S 17	S 20	S 21	SW 20	SW 20	SW 21	SW 24	SW 25	SW 22	SW 19	SW 19	E	14.7	SW	29
7	E 17	E 19	NE 22	N 28	N 29	N 31	NE 33	NE 34	NE 35	NE 35	NE 34	SW	18.7	NE	42
8	NE 19	NE 23	NE 24	NE 24	NE 26	N 23	N 17	N 17	N 14	N 13	SW 13	NE	25.1	NE	42
9	SW 26	SW 26	SW 23	SW 23	SW 20	SW 19	SW 18	SW 17	SW 17	SW 15	SW 14	SW	19.1	SW	32
10	NE 15	NE 16	NE 16	NE 17	NE 17	NE 16	E 17	E 19	E 20	E 19	E 20	NE	13.1	E	25
11	SE 21	SE 18	SE 20	SE 27	SE 24	SE 22	SE 32	SE 30	SE 28	SE 19	SE 17	SE	20.8	SE	35
12	S 26	S 26	S 26	S 26	S 24	S 20	S 22	S 23	S 21	S 23	S 25	S	23.0	S	36
13	SW 15	SW 10	SW 6	SW 6	SW 8	SW 7	SW 8	SW 9	W 6	SW 6	SW 7	SW	13.2	S	31
14	E 10	E 15	E 16	E 18	E 18	E 15	E 17	E 16	E 16	E 14	E 17	E	9.9	E	20
15	E 10	E 9	E 8	E 4	W 8	W 8	W 8	SW 8	SW 9	SW 6	W 7	E	13.9	E	26
16	W 9	W 10	W 10	SW 8	SW 11	SW 10	SW 7	SW 8	SW 8	SW 8	W 7	W	8.8	W	15
17	S 5	S 4	SE 5	W 3	E 3	SE 6	E 5	E 4	E 5	E 12	E 14	S, SW	6.6	E	17
18	E 27	E 26	E 25	E 25	E 25	E 25	E 26	E 25	E 25	E 24	E 22	E	24.3	E	31
19	E 21	E 24	E 23	E 26	E 25	E 26	E 26	E 26	E 25	E 23	E 23	E	21.8	E	31
20	SW 16	SW 17	SW 17	SW 14	SW 17	SW 17	SW 17	SW 17	W 14	W 11	W 11	SW	17.5	E	31
21	W 17	W 15	W 10	W 11	W 15	W 14	W 12	W 10	W 10	SW 9	SW 11	W	8.5	W	18
22	SW 9	SW 12	SW 10	SW 6	W 6	W 7	W 7	W 10	SW 9	SW 8	SW 10	W, SW	8.7	SW	13
23	E 22	E 22	E 26	E 26	E 25	E 25	E 27	E 28	E 26	E 27	E 29	E	16.0	E	31
24	W 11	W 14	W 16	W 17	W 21	W 20	W 20	W 17	W 21	W 22	SW 26	W	20.2	E	36
25	SW 8	SW 7	SW 8	S 6	E 7	E 9	E 7	E 9	E 11	E 12	E 13	SW	12.0	SW	32
26	NE 23	N 25	W 16	W 13	W 11	W 14	SW 12	SW 10	SW 12	SW 10	SW 8	E	18.8	E	31
27	W 10	W 8	W 7	W 9	W 4	W 7	W 3	W 4	W 4	W 3	W 3	W	6.1	W	13
28	S 3	S 7	SE 5	SE 3	SE 4	0	SE 5	SW 2	SW 2	SE 7	E 15	SE	4.2	E	17
29	S 3	S 4	S 4	S 4	S 5	S 3	S 4	S 5	S 6	SW 5	S 4	S	5.2	E	18
30	E 19	E 24	E 26	E 23	E 20	SE 14	S 9	S 7	SW 6	SW 7	S 9	E	17.8	E	34
31	S 8	S 4	S 6	S 5	S 6	S 5	S 6	S 5	S 5	SE 7	SE 6	S	6.9	E	29
Prevailing direction	E	E	E	E, SW	E	W	E	E, SW	E	SW	E	E			
Mean velocity	14.6	15.2	14.8	14.8	14.9	14.6	14.7	14.8	14.7	14.3	14.9		14.3		27.2

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

APRIL 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SE 12	SE 14	SE 17	E 11	E 15	E 19	E 21	E 23	E 26	E 25	E 26	E 26	E 28
2	E 32	E 31	E 29	E 27	E 24	E 21	E 17	W 21	W 18	W 16	W 14	W 12	W 9
3	E 10	E 23	E 28	E 32	E 34	E 39	E 40	E 38	E 36	E 31	E 33	NE 33	NE 38
4	NE 21	NE 21	NE 19	NE 20	NE 24	NE 27	NE 30	NE 31	NE 30	NE 30	NE 32	NE 27	NE 25
5	NE 16	NE 14	E 17	NE 17	E 18	NE 17	E 15	E 16	E 17	E 17	E 21	E 23	E 25
6	E 17	E 20	E 17	E 14	E 8	S 3	SE 12	E 13	E 14	E 17	E 19	E 17	E 18
7	E 20	E 20	E 20	E 22	E 22	E 23	E 25	E 26	E 23	E 26	E 26	E 27	E 26
8	E 25	E 23	E 23	E 23	E 20	E 19	E 21	E 21	E 22	E 22	E 20	E 19	E 19
9	E 14	E 13	E 12	E 13	E 11	NE 9	NE 10	NE 9	NE 7	N 9	E 8	E 7	E 6
10	SE 4	SE 5	SE 7	SE 8	SE 7	SE 6	SE 6	SE 5	SE 5	S 3	SE 5	SE 3	SE 5
11	S 4	S 5	E 5	S 8	S 9	S 7	S 6	S 8	S 5	S 7	S 8	S 8	S 7
12	E 18	E 22	E 19	E 16	E 7	E 6	S 4	S 4	S 6	S 6	SE 6	S 4	SW 6
13	S 4	S 4	S 6	S 5	S 5	S 6	S 8	S 3	S 5	S 6	SW 6	S 4	S 7
14	E 13	E 16	E 17	E 18	E 20	E 18	E 17	E 17	E 6	SE 3	SE 7	E 8	SE 10
15	SE 18	SE 18	SE 20	SE 10	SE 14	E 25	SE 33	SE 29	SE 25	SE 21	SE 25	SE 26	SE 28
16	S 8	S 3	SE 17	SE 10	SW 4	SW 4	SW 7	SW 9	SW 8	SW 2	SE 13	SE 19	SE 18
17	S 7	S 6	S 6	S 6	S 5	S 5	S 5	S 5	S 4	S 4	S 3	SW 3	SW 3
18	SW 4	SW 5	SW 7	SW 6	SW 6	SW 5	SW 4	SW 2	S 2	S 3	S 5	S 6	SW 5
19	SW 7	SW 7	S 8	S 7	S 6	S 6	S 8	S 8	S 8	S 8	S 8	S 7	S 8
20	E 15	SE 13	S 4	S 4	E 4	E 4	S 7	S 6	S 7	S 5	S 6	SE 13	S 8
21	S 6	S 7	S 8	S 8	S 10	S 8	S 9	S 6	S 4	S 6	S 7	S 5	S 4
22	S 9	S 8	S 11	S 8	S 10	S 9	S 9	S 9	S 9	S 9	S 9	S 6	S 8
23	E 6	E 9	NE 12	E 11	E 15	E 17	E 18	E 23	E 31	E 34	E 34	E 34	E 35
24	E 26	E 23	E 24	E 24	E 21	E 18	E 17	E 16	E 17	E 16	E 18	E 19	E 18
25	N 13	NE 15	N 15	N 20	N 16	N 19	N 22	N 24	N 20	N 18	N 20	N 17	N 16
26	E 21	E 21	E 20	E 22	E 25	E 23	E 22	E 21	E 24	E 22	SE 16	E 16	E 17
27	S 3	W 5	W 5	SW 5	SW 6	SW 6	S 5	S 8	S 8	S 7	S 8	S 6	S 7
28	E 18	E 19	E 20	E 19	E 18	E 18	E 17	E 16	E 15	E 15	E 15	E 14	E 17
29	NE 9	E 14	E 16	E 20	E 19	E 18	E 20	E 23	E 29	E 29	SE 34	SE 31	E 34
30	SE 20	E 31	E 31	E 33	E 33	E 30	SE 19	SE 20	S 12	SW 6	SW 6	S 5	S 5
Prevailing direction	E	E	E	E	E	E	E	E	E	E, S	E	E	E
Mean velocity	13.3	14.5	15.3	14.9	14.5	14.5	15.1	15.3	14.8	14.1	15.3	14.8	15.3

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	E 26	E 26	E 27	E 28	E 29	E 31	E 33	E 33	E 34	E 32	E 33	E	24.8	E	38
2	W 8	W 7	W 3	W 4	W 4	W 2	E 4	E 8	E 7	E 8	E 8	E, W	13.9	E	36
3	NE 35	NE 28	NE 21	NE 19	NE 17	E 19	E 24	NE 28	NE 32	NE 31	NE 23	E	28.8	E	47
4	N 22	N 23	N 25	N 26	N 26	N 26	N 24	N 19	N 19	NE 19	NE 14	NE	24.2	NE	36
5	E 22	E 23	E 25	E 20	E 18	E 20	E 18	E 18	E 17	E 12	E 14	E	18.3	E	29
6	E 20	E 17	E 18	E 18	E 18	E 17	E 17	E 20	E 19	E 21	E 19	E	16.4	E	22
7	E 28	E 27	E 26	E 26	E 27	E 25	E 25	E 25	E 26	E 25	E 24	E	24.6	E	34
8	E 20	E 17	E 17	E 17	E 17	E 17	E 17	E 18	E 16	E 15	E 14	E	19.2	E	31
9	E 5	E 8	E 8	E 9	E 9	E 8	E 9	E 6	SE 9	SE 6	SE 5	E	8.8	E	16
10	SE 4	E 11	E 11	SE 5	SE 6	E 6	NE 4	S 4	SE 5	E 5	SE 4	SE	5.6	E	14
11	S 7	S 6	S 3	S 6	S 4	E 16	E 20	E 18	E 19	E 18	E 17	S	9.2	E	22
12	S 6	SW 3	SW 4	S 3	S 3	S 5	S 4	S 3	S 2	S 4	S 2	S	6.8	E	25
13	S 6	S 6	S 4	S 5	SE 9	SE 15	SE 10	SE 6	SE 6	SE 7	E 12	S	6.5	E	18
14	SE 8	SE 13	SE 7	S 6	S 6	S 6	SE 9	SE 8	E 5	SW 6	SE 11	E	10.6	SE	22
15	SE 20	SE 30	SE 26	SE 23	E 22	E 22	S 12	SW 5	SW 7	SW 6	E 21	SE	20.2	E	42
16	E 18	E 22	SE 18	SE 14	E 20	SE 22	SE 14	SE 12	S 9	S 9	S 8	SE	12.0	SE	26
17	SW 3	SW 2	SW 4	SW 2	SW 5	SW 7	SW 5	S 3	S 4	SW 5	SW 4	S	4.4	SE	8
18	SW 5	SW 5	SW 5	SW 5	SW 5	SW 5	SW 4	SW 5	SW 6	SW 6	SW 6	SW	4.9	SW	8
19	S 8	S 10	S 9	S 10	S 10	S 6	S 6	S 6	SE 5	E 13	E 16	S	8.1	SW	17
20	E 13	E 22	SE 10	S 7	S 7	S 8	S 11	S 9	S 10	S 8	S 6	S	2.6	E	26
21	S 6	S 5	S 5	S 6	S 5	S 4	S 4	S 8	S 8	S 7	S 8	S	6.4	E	11
22	S 6	S 5	SW 6	S 5	S 4	SW 3	SW 2	SW 3	SE 5	SE 3	E 4	S	6.7	S	12
23	E 31	E 29	E 29	E 28	E 27	E 28	E 30	E 27	E 27	E 27	E 26	E	24.5	S	40
24	SE 17	E 15	E 15	SE 17	SE 18	SE 17	E 17	SE 17	SE 15	E 16	E 12	E	18.0	E	31
25	N 17	N 16	NE 16	NE 13	NE 15	NE 15	N 15	E 15	E 19	E 20	E 22	N	17.4	E	27
26	E 20	E 19	E 18	E 17	E 17	E 16	E 16	SE 11	SE 6	S 2	S 2	E	17.2	N	27
27	S 8	S 8	S 7	S 7	S 6	S 4	E 17	E 20	E 21	E 20	E 17	S	8.9	E	25
28	E 17	E 17	E 14	E 13	NE 14	NE 15	NE 14	NE 14	NE 13	NE 11	E 9	E	15.5	E	24
29	E 32	E 30	E 29	E 25	E 24	E 25	E 23	E 22	E 22	E 11	W 8	E	22.8	E	42
30	S 10	SW 14	SW 17	SW 13	SW 16	SW 17	SW 14	S 17	S 16	S 7	S 10	S, SW	16.8	SE	40
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E			
Mean velocity	14.9	15.5	14.2	13.2	13.6	14.2	14.1	13.6	13.6	12.7	12.6		14.3		26.5

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

MAY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th Meridian Time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1													
2	S 6	S 8	S 10	S 8	SW 8	S 12	S 9	S 5	SW 5	W 7	W 10	W 10	W 8
3	S 9	S 8	S 9	S 9	S 11	S 6	S 7	S 5	0	S 2	S 4	SE 5	E 6
4	E 21	E 17	E 17	E 17	E 11	W 3	W 7	S 10	S 10	SW 11	SW 11	SW 9	S 9
5	SW 3	SW 4	S 4	S 5	SE 0	E 2	E 3	S 3	E 2	SE 4	SE 5	SE 5	S 8
6	SW 4	0	SW 2	0	S 2	S 2	S 2	S 3	SW 3	SW 3	SW 2	SW 2	0
7	E 3	S 2	E 6	SE 3	E 5	SE 13	E 17	SE 17	SE 16	E 21	E 21	SE 18	SE 19
8	E 23	E 23	E 26	E 26	E 26	E 24	E 24	E 23	E 24	E 25	E 23	E 18	E 17
9	SE 11	SE 7	S 6	S 6	S 8	S 8	S 10	S 9	S 8	SW 6	SW 6	SW 5	SW 6
10	S 9	S 13	S 9	S 6	S 11	S 14	S 6	S 8	S 16	S 18	SW 14	SW 16	S 16
11	S 6	S 5	S 2	S 2	0	S 2	S 2	S 2	S 2	E 7	E 6	E 7	E 10
12	S 5	S 3	E 13	E 14	E 19	E 18	E 19	E 19	E 18	E 16	E 16	E 15	E 15
13	E 9	E 11	E 11	E 20	E 23	E 25	E 22	E 17	E 19	E 21	E 22	E 21	E 21
14	SE 6	SE 6	SE 7	SE 8	SE 8	SE 8	SE 10	SE 12	SE 13	SE 22	SE 19	E 20	E 22
15	SE 26	SE 32	E 42	E 42	SE 39	SE 35	E 29	E 17	E 6	SE 7	E 12	E 15	S 14
16	SW 7	S 10	S 8	S 7	SW 4	SW 4	S 4	S 6	S 6	S 4	S 6	S 6	SW 5
17	S 3	S 3	SE 3	SE 2	E 3	NE 3	E 5	E 6	E 8	E 10	E 10	E 11	E 12
18	E 10	E 10	E 8	E 9	E 11	E 11	E 8	E 7	E 5	E 4	N 3	N 3	E 7
19	NE 4	NW 3	W 2	NW 2	0	W 3	0	W 2	SW 5	SW 7	S 10	S 11	S 10
20	SW 8	S 10	S 7	S 5	S 8	S 9	S 4	S 6	S 6	SW 5	SW 5	SW 7	SW 8
21	SW 8	SW 10	SW 11	SW 11	SW 9	SW 7	SW 7	SW 5	SW 4	SW 4	SW 2	SW 4	SW 4
22	W 3	W 4	N 4	NE 6	NE 6	E 6	E 6	E 7	E 8	E 10	NE 11	NE 11	E 13
23	E 34	SE 35	SE 37	SE 39	SE 41	SE 39	SE 38	E 34	E 24	E 17	NE 19	NE 26	NE 30
24	N 28	N 21	N 17	N 16	N 14	N 13	N 7	N 5	N 3	E 5	E 7	E 9	E 10
25	SE 24	SE 25	SE 27	SE 28	E 29	E 26	E 25	E 24	SE 22	E 22	SE 21	SE 21	SE 21
26	E 15	E 18	E 21	E 21	E 17	E 16	E 14	E 12	E 11	N 14	N 13	N 12	NE 11
27	E 17	E 17	E 17	E 15	E 14	E 16	E 18	E 17	E 17	E 13	SE 17	E 17	E 19
28	SE 12	SE 11	SE 15	SE 17	SE 12	S 13	S 13	SE 14	SE 10	SW 8	SW 5	SW 8	S 7
29	SW 6	SW 4	SE 4	E 6	E 9	E 7	SE 9	SE 5	E 12	E 16	E 16	E 13	E 17
30	E 14	E 17	E 11	E 12	E 7	SE 4	E 6	E 17	E 16	E 16	E 16	E 16	E 18
31	E 15	SE 16	SE 17	SE 17	SE 20	SE 20	SE 22	SE 18	SE 17	SE 17	SE 17	SE 18	SE 18
	NE 22	NE 23	NE 24	NE 23	NE 17	NE 15	NE 15	NE 15	NE 15	E 11	E 11	E 11	E 6
Prevailing direction	E	S	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	12.0	12.1	12.8	13.0	12.8	12.4	11.9	11.3	10.7	11.4	11.6	11.9	12.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1															
2	W 7	W 2	SW 6	SW 9	S 11	SW 15	SW 15	SW 14	S 9	S 9	S 11	S	8.9	SW	17
3	E 6	E 7	E 9	E 12	E 15	E 17	E 18	E 19	E 22	E 21	E 21	E	10.3	E	25
4	SW 8	S 8	S 9	SW 7	SW 7	SW 7	SW 5	SW 6	SW 5	SW 6	SW 4	SW	9.4	E	24
5	S 6	S 5	S 6	S 7	S 4	SW 6	SW 7	SE 10	SW 5	SW 2	SW 5	S	4.9	SE	17
6	S 2	S 2	S 2	E 4	E 6	E 6	E 9	E 8	E 6	E 9	E 4	E	3.5	E	11
7	E 18	E 17	SE 19	SE 21	SE 23	E 26	SE 23	SE 22	SE 25	SE 22	E 22	SE	16.8	E	36
8	E 14	SE 15	E 18	E 16	E 17	SE 16	E 16	SE 17	SE 9	S 5	SE 5	E	18.8	E	31
9	SW 7	SW 7	SW 6	SW 7	SW 8	SW 8	SW 8	SW 7	SW 5	SW 9	S 12	SW	7.5	SE	17
10	SW 13	SW 14	SW 13	S 12	S 8	S 4	S 4	S 5	S 6	S 6	S 5	S	10.2	S	25
11	E 12	E 13	E 13	NE 13	NE 13	NE 10	E 6	SE 7	SE 6	SE 6	SE 6	S, E	6.6	NE	16
12	E 13	E 15	E 13	E 13	E 13	E 13	E 13	E 14	E 12	E 11	E 9	E	13.7	E	22
13	E 17	E 13	SE 6	S 5	W 2	W 2	E 5	E 8	SE 7	SE 7	SE 7	E	13.4	E	29
14	E 20	E 17	E 17	SE 17	SE 20	SE 24	E 27	E 26	SE 26	SE 32	SE 30	SE	17.4	E	38
15	S 11	S 11	S 12	S 13	S 14	S 13	S 11	S 12	S 11	SW 8	S 9	S	18.4	E	47
16	S 7	S 5	SW 5	SW 3	SW 5	SW 5	S 9	S 6	S 3	SW 4	SW 2	S	5.5	S	12
17	E 11	E 12	E 10	E 9	E 9	E 10	E 10	E 10	E 12	E 11	E 10	E	8.0	E	14
18	E 5	E 6	E 5	E 5	E 2	E 5	E 6	SE 6	W 5	S 3	S 3	E	6.1	E	12
19	S 9	SW 8	SW 8	SW 8	SW 6	W 3	SW 8	SW 5	SW 6	SW 7	SW 9	SW	5.6	S	13
20	SW 7	SW 7	SW 8	SW 8	SW 9	SW 7	SW 7	SW 8	SW 7	SW 4	SW 4	SW	6.9	SW	16
21	SW 4	SW 6	SW 3	SW 3	SW 4	SW 3	W 3	W 5	W 2	W 2	W 3	SW	5.2	SW	15
22	E 13	E 15	E 16	E 16	E 17	E 19	SE 23	SE 20	SE 24	SE 27	E 30	E	13.1	E	34
23	NE 33	NE 34	NE 39	NE 38	N 33	N 34	N 37	N 40	N 39	N 34	N 29	NE, N	33.5	SE	47
24	E 12	E 15	E 20	E 19	SE 23	SE 19	E 28	SE 26	SE 24	SE 26	SE 27	N, E	16.4	E	33
25	SE 18	E 17	NE 13	NE 13	NE 18	N 18	N 13	N 5	E 6	E 8	SE 13	SE	19.0	E	33
26	NE 9	NE 9	E 7	E 5	E 6	E 5	E 5	E 3	E 6	E 13	E 16	E	11.6	E	25
27	E 17	E 17	E 15	E 15	E 15	E 14	E 13	SE 14	SE 14	SE 13	SE 14	E	15.6	E	21
28	SW 7	S 5	SE 4	E 10	S 5	S 6	S 7	S 8	S 5	SW 7	SW 6	S	9.0	SE	18
29	E 16	E 16	E 16	E 19	E 15	E 12	E 15	E 14	E 13	E 15	E 15	E	12.1	E	24
30	E 18	E 17	E 18	E 17	E 17	E 15	E 12	E 11	E 10	E 11	E 11	E	13.6	E	21
31	SE 17	E 14	E 16	NE 18	NE 19	NE 20	NE 20	NE 19	NE 19	NE 24	NE 24	SE	18.4	NE	29
	E 13	E 12	E 12	E 13	E 15	E 15	SE 16	E 14	E 14	E 15	E 13	E	15.0	NE	27
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	----	----	----
Mean velocity	11.9	11.6	11.7	12.2	12.2	12.2	12.9	12.5	11.7	12.2	12.2	----	12.1	----	24.2

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

JUNE 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SE 12	SE 12	S 10	SE 9	E 17	E 18	SE 17	SE 19	SE 20	SE 19	SE 17	SE 17	SE 17
2	NE 16	N 19	N 20	N 20	N 23	N 23	N 23	N 20	N 17	NE 17	NE 15	NE 9	NE 7
3	SE 26	E 24	E 21	E 22	E 21	E 22	E 20	E 18	E 18	E 23	E 20	E 19	E 18
4	E 25	E 21	E 19	E 20	E 23	E 21	E 22	E 25	E 23	E 21	E 19	N 21	NE 25
5	E 23	E 27	SE 26	E 25	E 22	SE 22	E 19	E 16	SE 16	E 12	E 7	E 17	E 10
6	E 15	SW 6	W 4	W 5	NW 6	SW 5	SW 6	SW 6	SW 8	SW 11	SW 9	SW 11	SW 9
7	SW 25	SW 21	SW 17	SW 17	SW 15	SW 16	SW 14	SW 15	SW 8	SW 9	SW 7	SW 7	SW 7
8	SE 4	E 10	SE 6	W 6	W 4	W 3	W 4	SW 4	S 5	S 7	S 9	SE 17	E 24
9	E 17	E 19	E 19	E 16	E 14	E 12	E 9	E 16	E 14	E 14	E 13	E 10	E 10
10	E 15	E 17	E 17	E 16	E 15	SE 13	SE 13	SE 13	SE 17	SE 19	SE 23	SE 22	SE 28
11	E 13	E 17	SE 21	E 22	E 18	E 18	SE 17	SE 16	SE 16	SE 15	SE 17	E 13	E 10
12	W 2	SW 4	SW 4	S 6	S 6	SW 5	SW 5	S 6	E 4	E 5	S 6	S 8	SW 6
13	SW 6	SW 5	SW 5	SW 9	SW 7	SW 8	S 8	S 7	SW 7	SW 5	SW 5	SW 6	SW 7
14	S 14	SW 17	SW 17	S 10	S 12	S 17	S 16	S 14	S 12	S 11	S 9	S 10	SW 23
15	E 20	E 21	E 18	E 15	SE 17	SE 17	SE 13	SE 13	SE 15	SE 17	SE 17	S 17	E 17
16	SE 6	N 6	N 11	NE 14	NE 14	NE 13	NE 12	NE 13	NE 15	NE 17	NE 18	N 19	E 22
17	N 25	N 21	NE 22	NE 19	NE 21	NE 18	NE 15	NE 12	E 13	E 15	E 15	E 17	NE 15
18	S 11	S 10	S 6	SW 7	SW 3	SW 4	SW 5	SW 7	SW 8	SW 8	SW 10	S 10	E 5
19	SW 5	SW 6	SW 4	SW 4	S 3	S 5	S 8	S 7	S 5	S 2	S 2	SE 13	SW 17
20	E 16	E 17	E 13	E 9	SE 6	SW 4	SW 6	S 7	S 7	S 8	E 12	E 14	SE 15
21	SW 2	E 6	E 2	E 5	E 5	SW 3	SW 5	SW 7	SW 7	SW 5	SW 3	SW 3	E 4
22	SW 3	SW 3	SW 3	SW 4	SW 3	SW 3	SW 3	SW 3	SW 4	SW 3	SW 3	SW 2	SW 3
23	E 11	E 10	E 9	E 9	E 10	E 11	E 10	E 12	E 11	E 16	E 16	E 13	S 12
24	SW 21	SW 20	SW 15	S 16	S 13	S 8	S 4	SW 2	SE 9	E 22	E 21	E 22	E 25
25	E 16	E 16	E 15	E 17	E 20	E 19	E 20	E 17	E 21	E 21	E 20	E 19	E 20
26	SE 21	SE 22	E 20	E 17	E 19	E 19	E 19	E 17	E 17	SE 12	SE 8	SE 9	E 3
27	S 6	S 8	S 8	S 5	S 4	S 6	S 5	S 3	S 6	E 8	E 3	SE 5	SE 4
28	SW 9	SW 10	SW 9	SW 12	SW 9	SW 7	SW 8	SW 7	SW 8	SW 5	SW 3	SW 5	SE 6
29	SW 2	SW 2	SW 4	S 5	S 2	S 5	S 5	S 4	S 4	S 4	SW 5	SW 4	SW 6
30	SW 5	W 7	W 7	W 5	W 8	W 9	W 6	W 8	SW 14	SW 12	SW 12	SW 12	SW 11
Prevailing direction	E	E	E	E	E	SW	SW	SW	E, SW	E	E	E	E
Mean velocity	13.1	13.5	12.4	12.2	12.0	11.8	11.2	11.1	11.6	12.1	11.5	12.4	12.9

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	SE 20	SE 21	E 20	E 14	E 11	E 11	E 11	E 10	NE 12	NE 14	NE 13	SE	15.0	SE	25
2	E 8	E 9	E 12	E 16	E 20	SE 20	S 15	S 15	S 17	SE 29	SE 28	N	17.4	SE	34
3	SE 21	E 26	E 25	E 22	E 20	E 19	E 22	E 20	E 22	E 22	E 22	E	21.4	SE	31
4	NE 26	NE 23	NE 17	NE 16	NE 11	E 13	E 18	SE 26	E 26	E 26	E 23	E	21.2	SE	31
5	SE 3	S 12	SE 13	E 4	E 2	NE 4	NW 3	SW 5	S 10	E 12	E 21	E	13.8	E	36
6	S 16	S 13	S 14	S 22	S 24	SW 30	SW 25	SW 19	SW 24	SW 30	SW 29	SW	14.5	SW	31
7	SW 5	S 7	SW 4	SW 6	SW 6	SW 4	SW 6	SW 5	S 6	S 7	S 3	SW	9.9	SW	26
8	E 20	E 21	E 20	E 17	SE 18	SE 19	E 18	SE 19	SE 17	E 15	E 17	E	12.7	E	22
9	E 7	E 6	SE 8	E 10	E 13	E 12	E 12	E 11	E 11	E 12	E 14	E	12.5	E	34
10	SE 27	SE 28	E 27	E 18	E 18	E 18	E 18	E 21	E 24	E 24	E 17	E	19.5	SE	26
11	SE 12	E 6	E 6	W 5	NW 3	W 7	W 4	W 7	W 5	0	NE 2	E	11.2	SE	12
12	SW 7	S 10	S 5	SW 6	SW 7	S 9	S 6	SW 9	SW 9	SW 9	SW 7	SW	6.3	S	23
13	SW 7	SW 7	SW 8	S 12	SW 10	SW 17	S 20	S 17	S 9	SW 13	S 18	SW	9.3	S	29
14	E 21	E 16	NE 11	E 12	E 17	E 16	E 19	E 20	E 21	E 18	E 18	E	15.5	E	24
15	E 15	E 11	E 11	E 9	E 6	E 7	E 9	E 10	E 7	SE 9	SE 8	E	13.3	E	26
16	NE 22	NE 21	NE 20	NE 20	N 17	NE 18	NE 17	NE 18	N 18	N 19	N 22	NE	16.3	N	27
17	SE 14	SE 12	SE 13	SE 6	W 4	SW 5	SW 7	SW 4	SW 10	S 14	S 10	NE	13.6	N	16
18	SW 5	SW 5	W 7	SW 7	SW 9	SW 8	SW 8	SW 7	SW 5	SW 6	SW 6	SW	7.0	SW	20
19	SE 14	SE 15	SE 17	E 16	SE 13	SE 13	E 13	E 11	E 9	SE 7	SE 12	SE	9.2	E	18
20	E 11	SE 12	SE 12	E 4	SE 6	SE 5	SE 6	SE 8	SE 4	SE 2	SW 4	SE, E	8.7	E	8
21	SW 3	SW 4	SW 5	0	SW 3	SW 4	SW 6	SW 4	SW 2	SW 3	SW 4	SW	4.0	SW	14
22	S 2	S 4	S 3	SE 4	SE 3	E 5	E 5	E 7	E 4	E 6	E 9	SW	3.8	E	21
23	E 7	E 5	S 2	S 4	W 6	SW 11	SW 14	SW 13	SW 16	SW 17	SW 17	E	10.9	SW	31
24	E 24	E 21	E 24	E 22	E 20	E 17	E 20	E 19	E 20	E 18	E 16	E	17.5	E	27
25	E 20	E 17	E 17	E 15	E 16	E 15	SE 17	SE 22	SE 21	SE 18	SE 22	E	18.4	SE	26
26	SE 2	SE 3	SE 4	SE 3	SE 4	SE 2	SE 4	SE 5	SE 4	SE 4	S 5	SE	10.1	E	10
27	SE 4	SE 4	SE 2	SE 3	SE 3	SE 3	S 5	S 5	S 9	SW 7	SW 8	S	5.2	E	14
28	SW 5	SW 4	SW 3	SW 4	SW 5	SW 3	SW 6	SW 4	SW 4	SW 3	SW 3	SW	5.9	SW	17
29	SW 5	SW 7	SW 7	SW 6	SW 5	SW 6	SW 10	W 13	W 12	W 11	SW 9	SW	6.0	SW	17
30	SW 10	SW 6	W 5	SW 11	SW 14	SW 13	SW 13	SW 14	SW 10	W 11	SW 11	SW	9.8	SW	
Prevailing direction	E, SE	E	E	E	E	E, SW	E	SW	E	E	SW	E			
Mean velocity	12.1	11.9	11.4	10.5	10.5	11.1	11.9	12.3	12.3	12.9	13.3		12.0		23.6

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

JULY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	W 6	W 7	W 10	W 7	W 11	SW 5	S 4	SE 8	E 12	E 14	E 16	E 17	E 14
2	S 4	S 7	S 7	S 8	S 7	S 6	S 4	S 4	S 5	S 5	S 5	S 3	S 5
3	SW 5	SW 5	SW 6	SW 5	SW 6	SW 2	SW 2	SW 3	SW 3	SW 3	SW 4	SW 2	0
4	S 5	S 6	S 5	SW 7	S 7	SW 4	SW 3	SW 7	SW 6	SW 7	SW 3	SE 23	E 23
5	E 15	E 13	E 12	E 11	E 10	E 9	E 10	E 9	E 14	E 14	E 14	E 13	E 13
6	E 6	E 8	E 3	E 2	E 2	E 2	0	E 3	W 5	W 6	SW 6	SW 8	SW 7
7	W 5	W 6	W 6	W 6	W 6	SW 7	W 7	W 7	W 7	W 7	W 5	W 5	W 4
8	W 3	W 3	SW 3	SW 3	SW 3	SW 4	SW 3	SW 4	SW 5	SW 5	SW 6	S 5	S 5
9	SE 13	SE 10	S 8	S 10	SW 8	SW 10	SW 13	S 9	S 10	S 9	W 7	SW 9	SW 5
10	SW 13	SW 14	SW 14	SW 16	SW 15	SW 11	S 13	S 13	S 14	SW 13	SW 15	SW 14	SW 12
11	SW 16	SW 16	SW 17	SW 13	SW 8	W 10	W 9	W 6	W 6	W 5	W 5	W 3	W 4
12	SW 11	SW 14	SW 9	SW 6	SW 4	SW 7	S 10	S 11	SW 6	S 10	SW 7	SW 13	SW 16
13	W 11	W 8	W 9	W 9	W 12	W 11	W 10	SW 12	SW 9	SW 8	SW 8	SW 8	W 10
14	S 5	S 5	SE 4	SE 3	SE 4	SE 6	E 11	E 6	S 4	S 4	S 5	S 5	SW 6
15	E 7	SE 11	SE 14	SE 21	SE 19	S 14	S 12	S 11	S 11	S 11	S 10	S 12	S 10
16	S 13	S 12	S 12	S 13	S 15	S 16	SW 8	W 8	SW 10	S 10	SW 11	S 15	SW 12
17	SW 13	SW 12	SW 12	SW 7	W 8	W 5	W 4	W 3	W 3	W 3	W 2	W 5	E 8
18	SE 16	S 7	S 6	SW 5	W 6	W 9	W 8	W 6	W 7	W 9	W 10	W 10	W 10
19	W 5	W 3	W 5	W 3	W 3	W 3	W 7	W 5	W 2	W 7	W 13	NE 13	NE 14
20	N 25	N 29	N 27	W 17	W 9	W 7	W 4	W 4	NW 8	NW 8	W 5	W 2	W 4
21	SW 8	SW 9	SW 10	SW 7	SW 8	SW 10	SW 9	SW 8	SW 9	SW 8	SW 9	SW 8	SW 9
22	SW 4	SW 7	E 20	E 27	E 29	E 27	E 31	E 35	E 35	E 34	SE 33	E 40	SE 49
23	SW 17	SW 10	SW 10	SW 9	SW 6	W 11	SW 12	SW 10	S 6	S 6	S 4	S 5	S 7
24	SE 20	SE 19	SE 17	SE 18	SE 19	SE 27	SE 34	SE 34	SE 34	SE 42	SE 43	SE 47	SE 49
25	SE 28	SE 26	SE 26	SE 27	SE 27	SE 22	SE 23	SE 22	SE 19	SE 17	SE 16	SE 15	SE 15
26	SE 17	SE 20	SE 22	SE 24	SE 23	SE 24	SE 22	SE 20	SE 22	SE 23	SE 21	SE 19	SE 18
27	SE 17	SE 17	SE 17	SE 17	SE 17	E 13	NE 11	NE 15	NE 15	NE 14	NE 10	NE 10	N 8
28	SW 10	SW 11	SW 12	SW 14	SW 11	SW 9	SW 10	SW 10	SW 9	SW 7	SW 7	SW 6	SW 6
29	S 3	S 6	SW 5	W 7	SW 4	S 4	S 3	SW 4	SW 2	SW 4	SW 4	SW 3	SW 3
30	W 7	W 4	W 4	W 4	W 5	W 7	W 7	W 6	W 7	SW 7	SW 8	SW 10	SW 9
31	S 3	S 4	S 4	S 4	S 2	S 3	S 2	S 4	S 3	S 2	S 2	SW 4	SW 3
Prevailing direction	SW	SW	SW	SW	SW	SW	W, SW	W, SW	SW	SW	SW	SW	SW
Mean velocity	10.7	10.6	10.8	10.6	10.1	9.8	9.9	9.9	9.9	10.4	10.1	11.4	11.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	E 10	E 11	SE 12	E 14	E 9	S 8	S 8	S 6	S 5	S 6	S 7	E	9.5	E	19
2	S 5	S 4	S 5	S 7	S 9	S 11	SW 10	SW 6	S 7	SW 6	SW 5	S	6.0	S	17
3	SW 2	SW 2	SW 2	SW 2	SW 4	SW 3	S 4	S 4	SE 2	SE 2	SE 3	SW	3.2	SW	9
4	E 25	E 22	E 19	E 17	E 17	E 17	E 17	E 17	E 14	E 11	E 15	E	12.4	E	27
5	E 13	E 12	E 14	E 10	E 8	E 8	E 7	E 10	E 8	E 9	E 10	E	11.1	E	20
6	W 8	W 7	W 7	W 6	W 6	W 6	W 5	W 5	W 7	W 4	W 4	W	5.1	SW	10
7	W 2	W 4	W 2	W 4	W 5	W 4	W 6	W 5	W 6	SW 2	SW 3	W	5.0	W	11
8	S 6	S 5	SE 6	SE 3	SE 5	SE 10	E 11	SE 14	E 15	E 15	E 14	SW	6.5	E	17
9	S 6	SE 13	SE 11	SE 6	SW 5	SW 10	S 13	SW 11	S 13	SW 11	SW 11	SW	9.6	SE	17
10	SW 14	SW 14	SW 16	SW 16	SW 15	SW 19	SW 17	SW 14	SW 17	SW 17	SW 14	SW	14.4	SW	23
11	W 4	W 4	W 7	W 11	SW 10	W 6	W 8	W 10	W 9	SW 13	SW 13	W	8.9	SW	20
12	SW 13	SW 17	SW 13	W 7	W 7	W 7	W 9	SW 13	SW 11	SW 11	W 9	SW	10.0	SW	17
13	W 7	SW 6	SW 3	SW 3	S 4	S 5	S 4	S 4	S 4	S 5	S 4	W	7.2	SW	16
14	SW 12	E 28	E 31	E 33	E 26	E 28	E 33	SE 34	SE 32	SE 26	E 13	E	15.2	SE	40
15	S 11	S 8	S 8	S 6	S 7	S 11	S 10	S 11	S 12	S 8	SW 12	S	11.1	SE	25
16	S 12	SW 14	SW 15	SW 16	SW 15	SW 14	SW 15	SW 14	SW 11	SW 13	SW 13	SW	12.8	SW	17
17	E 9	E 11	E 10	SE 16	SE 14	SE 22	SE 19	SE 17	SE 19	SE 20	SE 18	SE, W	10.8	E	25
18	W 10	W 6	W 7	W 4	W 5	W 5	W 3	W 2	W 3	W 3	W 4	W	6.7	SE	18
19	NE 13	NE 14	NW 18	NW 17	NW 16	N 18	N 20	N 22	N 23	N 23	N 23	W	12.1	N	27
20	W 4	SE 6	SE 4	SE 5	E 4	E 6	NE 15	N 13	N 12	SW 7	SW 5	W	9.6	W	34
21	SW 8	SW 7	W 8	W 6	W 5	W 5	W 4	W 3	W 4	W 3	W 5	SW	7.1	SW	14
22	SE 46	SE 49	SE 50	SE 48	SE 45	SE 44	SE 43	SE 38	S 22	S 15	W 9	SE	32.5	SE	59
23	S 2	S 5	S 5	S 3	S 3	S 7	S 6	S 4	S 6	SE 12	SE 19	S	7.7	SE	23
24	SE 48	SE 46	SE 44	SE 44	SE 42	SE 43	SE 37	SE 31	SE 32	SE 32	SE 30	SE	34.7	SE	56
25	SE 16	SE 16	SE 10	S 6	S 8	S 7	SE 15	SE 14	SE 13	SE 19	SE 17	SE	17.7	SE	34
26	SE 18	SE 18	SE 18	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 18	SE	19.4	SE	26
27	N 2	N 4	E 4	E 4	E 6	SE 8	SE 8	SE 6	S 11	S 12	SW 12	SE	10.8	SE	20
28	SW 7	SW 7	SW 7	W 6	SW 6	SW 7	SW 6	W 5	W 4	SW 6	SW 3	SW	7.8	SW	16
29	SW 2	SW 4	SW 2	SW 2	SW 4	SW 6	SW 7	SW 8	W 7	W 6	W 6	SW	4.4	W	9
30	SW 6	SW 8	SW 11	SW 9	SW 8	SW 8	W 7	SW 6	S 4	S 8	S 8	SW	7.0	SW	12
31	S 4	S 5	S 4	SW 5	SW 5	SW 5	SW 6	SW 7	SW 6	SW 5	SW 7	S	4.1	SW	7
Prevailing direction	SW	SW	SW, SE	SW, SE	SW	SW	W	SE, SW	S	SW	SW	SW			
Mean velocity	11.1	12.2	12.0	11.4	11.0	12.1	12.6	12.0	11.5	11.2	10.8		11.0		22.1

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

AUGUST 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 6	W 6	W 7	W 10	SW 10	SW 11	SW 11	SW 9	SW 9	W 9	SW 11	SW 11	W 13
2	E 4	E 9	E 8	E 11	E 11	E 10	E 10	E 9	E 12	E 13	E 13	S 6	S 9
3	E 12	E 12	SE 13	E 14	E 11	E 7	E 11	SE 6	S 9	S 7	E 2	E 2	SW 6
4	W 4	W 5	SW 4	S 3	SW 3	0	SW 2	SW 4	SW 5	SW 6	SW 10	S 11	S 9
5	E 10	E 17	E 20	E 20	E 17	E 18	E 18	E 18	E 18	E 19	E 17	SE 17	E 17
6	E 19	E 14	E 7	SE 7	S 6	S 5	SW 4	W 6	W 8	W 7	W 8	W 8	W 9
7	S 3	S 4	SW 3	S 3	S 2	S 4	S 4	S 4	S 4	S 4	S 3	S 3	S 5
8	SE 6	SE 3	SE 3	SE 3	SE 4	SE 3	SE 4	E 8	E 8	E 11	E 11	E 12	E 13
9	SW 3	SW 3	SW 6	SW 6	S 7	S 9	S 11	S 9	S 8	SE 11	SE 11	SE 10	SE 16
10	SE 4	SW 5	SW 5	SW 5	S 2	S 3	S 6	SE 8	SE 4	S 2	S 3	S 5	S 5
11	W 3	SW 3	SW 2	SW 3	S 9	S 11	SW 11	S 8	S 14	SW 19	SW 22	SW 21	SW 20
12	S 7	S 7	S 7	S 5	S 7	S 7	SW 7	SW 7	W 7	W 6	W 7	W 6	W 5
13	SW 9	SW 8	W 10	SW 16	SW 18	SW 12	W 12	SW 10	W 9	SW 10	W 14	SW 12	SW 13
14	NW 7	W 7	NW 6	NW 7	NW 7	NW 9	NW 10	NW 9	NW 9	W 5	NW 7	NW 8	NW 7
15	W 5	W 6	SW 4	SW 5	S 7	S 6	S 5	S 5	S 8	S 7	S 7	S 4	E 5
16	S 36	S 36	S 35	S 35	S 34	S 34	S 34	S 31	S 29	S 27	S 25	SE 24	E 24
17	S 7	S 8	S 7	SW 11	SW 13	SW 14	SW 14	SW 16	SW 14	SW 16	SW 16	SW 15	SW 16
18	W 8	W 9	W 7	W 7	W 6	W 2	W 6	W 7	W 4	W 4	W 6	W 3	NW 6
19	N 8	E 7	E 8	N 14	N 14	E 14	E 15	E 16	E 15	E 18	E 18	E 17	E 18
20	SW 2	SW 3	SW 2	SW 2	SW 3	SW 2	SW 3	S 3	SW 3	SW 5	SW 4	SW 3	SW 3
21	W 4	W 2	W 3	W 5	W 3	W 3	W 3	0	W 3	W 4	W 4	W 5	W 5
22	SW 5	S 7	S 9	E 9	E 9	E 11	E 9	E 11	E 12	E 10	E 15	E 15	E 14
23	S 2	S 3	S 2	S 2	0	S 2	S 2	0	S 2	S 2	S 2	S 3	S 4
24	SW 4	SW 3	SW 4	SW 2	SW 5	SW 2	SW 2	0	SW 3	SW 3	SW 2	SW 7	E 11
25	SE 3	S 6	S 8	SW 8	SW 7	SW 4	SW 5	SW 3	SW 3	SW 5	SW 4	SW 7	SW 10
26	SW 8	SW 11	SW 14	SW 14	SW 16	SW 12	SW 15	SW 16	SW 6	SW 6	SW 8	SW 8	SW 13
27	W 6	W 4	W 6	W 4	W 4	W 4	W 4	W 6	W 7	W 8	W 5	W 2	W 4
28	E 34	E 34	E 35	E 37	E 37	NE 32	NE 33	NE 32	NE 31	NE 30	NE 27	NE 29	NE 27
29	E 11	E 10	E 9	E 8	E 11	E 9	E 11	E 8	E 6	SE 4	SE 3	SE 4	SE 3
30	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 3	S 2	S 3	S 2	S 3	0
31	S 3	S 3	S 2	S 5	S 3	S 5	S 4	S 5	0	S 4	S 6	SW 14	W 14
Prevailing direction	S, SW	S	SW	SW	S	S	SW	S	S	S, SW	SW	SW	SW
Mean velocity	7.9	8.3	8.3	9.1	9.3	8.6	9.3	8.9	8.8	9.2	9.5	9.5	10.4

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	W 13	W 9	W 10	W 10	W 9	W 10	W 8	W 8	SW 7	N 2	N 4	W	8.9	SW	17
2	S 6	S 4	S 3	SE 12	SE 14	E 16	E 17	E 18	E 16	E 15	E 14	E	10.8	E	22
3	S 8	S 2	S 4	N 3	W 5	W 3	SW 3	E 3	SE 6	SE 6	S 3	E	6.6	E	15
4	S 7	W 6	W 6	W 6	W 6	W 5	S 5	E 6	E 6	E 7	E 8	W, SW	5.6	E	17
5	E 18	SE 18	E 16	E 16	E 17	E 17	E 20	E 22	E 20	E 21	E 19	E	17.9	S	25
6	W 11	SW 12	SW 13	SW 16	SW 13	SW 8	SW 8	S 7	S 4	S 3	S 4	SW, W	8.6	E	25
7	S 4	S 6	S 5	SW 5	SW 4	SW 2	SW 2	SW 3	SW 2	SW 2	SW 3	S	3.5	E	8
8	E 12	E 11	E 13	E 11	E 10	E 9	E 9	E 9	E 6	E 4	S 5	E	7.8	SW	14
9	SE 12	SE 4	S 6	S 5	S 6	S 3	S 5	S 7	S 6	S 2	S 7	S	7.2	E	18
10	S 4	W 3	W 4	SW 5	W 4	W 3	W 3	W 2	W 2	W 3	W 2	W	3.8	SE	13
11	SW 9	SW 13	SW 13	S 15	SW 12	SW 12	S 10	S 8	S 7	S 7	S 7	SW	10.8	SE	27
12	W 6	W 6	W 7	W 8	W 6	W 6	W 7	W 7	SW 11	SW 8	SW 5	W	6.8	SW	13
13	W 9	W 11	W 13	W 5	W 7	W 8	W 5	W 6	W 5	W 9	W 5	W	9.8	SW	25
14	NW 11	NW 10	NW 9	W 9	W 7	W 10	W 8	W 9	W 8	W 8	W 6	NW	8.0	SW	16
15	E 7	E 12	E 16	E 17	S 21	S 21	S 19	S 22	S 28	S 34	S 35	S	12.8	W	42
16	E 23	E 18	E 17	E 20	SE 17	S 14	S 11	SW 5	SW 6	SW 7	S 7	S	22.9	S	43
17	W 15	W 14	W 13	W 11	W 7	W 8	W 11	W 10	W 9	W 13	W 11	W	12.0	S	18
18	NW 2	NW 3	E 6	E 6	E 9	E 10	N 13	N 5	N 9	N 5	N 8	W	6.3	SW	16
19	E 18	E 16	E 11	E 14	E 15	SE 11	S 6	SW 4	SW 2	S 3	SW 2	E	11.8	N	24
20	SW 8	S 5	S 8	S 6	S 6	W 9	W 8	W 7	W 3	W 5	W 4	SW	4.5	E	15
21	W 4	W 4	W 3	W 2	W 2	W 2	W 3	W 3	W 4	W 3	W 4	W	3.2	SW	7
22	E 12	E 9	E 10	E 11	E 9	E 3	S 6	S 3	S 2	S 3	S 2	E	8.6	W	19
23	SW 4	SW 6	SW 5	SW 4	SW 3	SW 4	SW 2	SW 2	SW 2	SW 3	SW 4	SW, S	2.7	E	8
24	E 14	E 11	E 10	E 11	E 9	E 7	E 7	E 3	E 3	SE 4	SE 4	SW	5.5	SW	16
25	SW 9	SW 8	SW 5	SW 11	SW 7	SW 3	SW 4	SW 4	SW 4	SW 6	SW 5	SW	5.8	E	13
26	SW 10	SW 12	SW 13	SW 12	SW 10	SW 12	SW 8	SW 5	W 7	W 8	W 5	SW	10.4	SW	19
27	W 4	E 4	E 9	E 9	E 6	E 11	E 16	E 17	E 18	E 26	E 29	W	8.9	SW	33
28	NE 26	NE 19	NE 18	E 14	E 11	E 11	E 13	E 12	E 11	E 13	E 13	E	24.1	E	45
29	SE 4	SE 2	SE 4	SE 3	SE 3	SE 4	E 4	S 3	S 4	S 2	S 3	SE, E	5.5	E	13
30	S 2	S 3	S 2	S 2	0	S 2	S 2	S 2	0	S 2	S 2	S	1.9	E	5
31	SW 15	SW 12	SW 14	W 16	W 17	W 17	W 17	SW 14	SW 11	SW 12	SW 12	S	9.4	S	21
Prevailing direction	E, W	E, W	E	E	W	W	W	E, W	SW	S	S	SW	------	W	------
Mean velocity	9.9	8.8	9.2	9.5	8.8	8.4	8.4	7.6	7.4	7.9	7.8	------	8.8	------	19.7

Table 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

SEPTEMBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 13	W 12	W 10	W 10	SW 6	SW 10	SW 7	SW 9	SW 9	W 11	SW 8	SW 10	S 12
2	S 6	S 9	SE 7	E 9	E 12	E 12	NE 16	NE 14	NE 14	NE 17	NE 13	NE 13	E 17
3	S 24	S 27	S 26	S 17	S 13	S 12	S 10	S 10	S 10	S 7	S 5	S 5	E 8
4	SW 10	SW 12	SW 13	SW 13	SW 12	W 7	W 8	W 10	W 6	N 4	N 5	E 8	N 10
5	N 31	NE 29	NE 25	NE 23	NE 17	E 20	E 17	E 15	E 17	SE 13	SE 14	E 16	E 17
6	SW 6	SW 4	SW 3	W 8	SW 9	W 9	W 9	S 9	W 5	W 4	W 6	W 6	W 6
7	W 7	W 12	W 9	W 6	W 5	W 7	W 5	W 6	W 5	W 8	W 7	W 7	W 8
8	W 5	W 5	W 4	W 5	W 5	W 3	W 4	SW 3	SW 4	SW 3	SW 2	W 3	W 2
9	NW 2	NW 4	N 5	NE 9	E 14	NE 11	NE 11	NE 13	E 19	E 18	E 19	SE 14	SE 14
10	S 26	SW 26	SW 26	SW 21	SW 23	SW 23	SW 25	SW 21	SW 19	SW 17	SW 15	SW 10	SW 12
11	E 9	E 10	E 10	E 13	E 17	E 17	E 17	E 16	E 17	E 19	E 17	E 14	SE 8
12	S 7	S 7	S 9	S 8	S 7	S 7	S 4	S 6	S 10	S 10	S 8	S 8	S 6
13	S 3	S 3	S 3	S 2	S 3	0	S 4	S 4	S 4	S 3	S 4	S 4	S 5
14	S 4	S 3	S 5	S 5	S 4	S 5	S 3	S 5	S 5	S 2	S 4	S 3	S 5
15	E 21	E 22	E 22	E 23	E 23	E 20	E 22	E 23	E 23	E 22	E 24	E 22	E 22
16	E 25	E 26	E 25	E 22	E 19	E 18	E 17	E 16	E 15	E 15	E 14	E 7	SE 6
17	S 6	S 7	S 7	S 5	S 6	S 5	S 6	S 7	S 8	S 7	S 9	SW 8	W 10
18	W 4	W 6	W 6	W 8	NE 5	NE 2	NE 5	NE 6	E 7	E 5	E 5	E 6	E 7
19	E 8	E 11	E 14	E 13	E 13	E 14	E 16	E 14	E 14	E 13	E 13	E 12	NE 14
20	E 38	E 39	E 37	E 39	E 37	E 36	E 36	E 37	E 35	E 34	E 34	E 35	E 34
21	E 29	E 29	E 29	E 29	E 28	E 26	E 26	E 26	E 26	E 25	E 26	E 24	E 23
22	E 7	E 4	E 3	E 5	E 8	E 5	E 7	E 3	0	0	0	0	E 2
23	E 9	E 9	E 9	E 10	E 10	E 10	E 11	E 11	E 12	E 11	E 10	E 12	E 12
24	N 8	N 7	NE 6	SW 8	SW 9	SW 14	SW 13	SW 13	SW 14	SW 12	SW 11	W 9	W 9
25	W 3	W 4	W 2	W 3	W 3	W 3	W 4	W 3	SW 8	SW 11	SW 12	SW 9	SW 10
26	SW 18	SW 19	SW 17	SW 17	SW 19	SW 15	SW 17	SW 17	SW 19	SW 19	SW 17	SW 12	SW 13
27	SW 9	SW 14	SW 15	SW 14	SW 17	W 11	W 12	W 13	W 11	SW 12	W 9	SW 11	SW 17
28	NW 17	NW 21	W 16	W 9	W 8	S 6	S 2	S 3	NW 5	N 6	W 13	W 10	W 11
29	SW 10	W 4	W 10	W 7	E 5	E 7	E 6	SW 6	SW 9	SW 12	SW 9	SW 8	W 9
30	NW 4	E 7	E 11	E 12	E 15	E 15	E 14	E 13	N 11	N 12	N 13	N 14	N 18
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	12.4	13.0	12.8	12.4	12.4	11.7	11.8	11.7	12.0	11.7	11.5	10.7	11.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1															
2	S 12	S 11	S 9	S 4	S 11	S 11	S 8	S 8	S 6	S 5	S 3	S	9.0	W	15
3	E 22	E 17	E 11	E 11	SE 15	SE 15	SE 17	S 15	SW 10	S 14	S 20	E	13.6	E	26
4	E 8	S 7	S 7	SW 7	SW 6	SW 8	SW 11	SW 16	SW 18	SW 19	SW 13	S	12.2	S	34
5	N 22	N 26	N 29	N 27	N 33	N 34	N 31	N 32	N 31	N 29	N 33	N	18.5	N	40
6	E 10	E 6	S 6	S 5	W 4	S 7	S 6	SW 6	SW 4	W 6	W 5	E	13.3	NE	32
7	W 5	W 4	W 3	W 2	W 3	N 3	N 4	N 3	N 2	W 8	W 9	W	5.4	W	12
8	W 8	W 6	W 6	W 5	W 5	W 6	W 5	W 2	W 2	W 4	W 3	W	6.0	W	14
9	W 4	NW 8	NW 4	NW 2	NW 2	NW 2	NW 3	NW 2	NW 3	NW 3	NW 4	W, NW	3.5	NW	9
10	SE 15	SE 16	SE 9	SE 15	S 14	S 17	S 20	S 18	S 26	S 15	S 21	S	14.1	S	29
11	SW 7	SW 8	SW 7	W 6	W 2	W 4	W 2	W 3	W 2	W 2	W 4	SW	13.0	S	31
12	SE 4	SE 4	S 5	S 5	S 6	S 5	S 5	S 5	S 4	S 5	S 5	E	9.9	E	21
13	S 6	S 6	S 7	S 5	S 3	S 3	S 2	S 5	S 4	S 4	S 6	S	6.2	S	14
14	S 4	S 2	S 5	S 4	S 6	S 5	S 3	S 6	S 4	S 5	S 4	S	3.7	S	7
15	S 4	SE 4	E 11	E 11	E 9	E 13	E 12	E 12	E 19	E 20	E 20	S	7.8	E	23
16	E 24	E 21	E 17	E 17	E 22	E 24	E 22	E 21	E 20	E 25	E 24	E	21.9	E	29
17	SE 4	SE 5	SE 6	S 4	S 6	S 6	S 6	S 6	S 6	S 7	S 7	E	12.0	E	29
18	W 9	W 6	W 5	W 6	W 6	W 2	W 2	W 3	W 3	W 3	W 5	W	5.9	W	12
19	E 4	E 6	E 5	E 7	E 13	E 12	E 12	E 15	E 15	E 14	E 11	E	7.8	E	18
20	E 17	E 19	E 19	E 20	E 22	E 24	E 24	E 30	E 32	E 34	E 35	E	18.5	E	42
21	E 34	E 33	E 31	E 32	E 32	E 32	E 31	E 31	E 27	E 26	E 27	E	33.6	E	45
22	E 18	NE 21	NE 20	E 17	E 18	E 17	E 15	E 16	E 16	E 11	E 10	E	21.9	E	34
23	S 5	S 9	S 4	S 6	S 7	W 7	W 8	W 8	E 8	E 8	E 9	E	5.1	S	11
24	E 12	E 9	E 7	NW 7	NW 7	NW 7	N 14	N 10	N 8	N 12	N 9	E	9.9	N	16
25	SW 7	SW 6	SW 7	SW 7	W 6	W 5	W 4	W 3	W 3	W 3	W 3	SW	7.8	SW	15
26	SW 10	SW 10	SW 11	SW 13	SW 12	SW 9	S 10	S 9	S 10	SW 15	SW 18	SW	8.4	SW	22
27	S 9	S 10	SW 11	SW 13	SW 13	SW 16	W 12	SW 15	SW 10	W 9	W 11	SW	14.5	SW	24
28	S 12	S 10	S 6	S 8	S 5	W 3	W 3	N 3	N 9	N 10	NW 14	SW	10.3	SW	19
29	W 12	W 13	SW 17	SW 15	W 12	W 13	W 13	SW 13	SW 17	SW 16	SW 15	W	11.8	NW	25
30	SW 5	SW 5	W 4	W 5	SW 3	W 3	W 2	W 4	SW 3	W 2	NW 2	W, SW	5.8	SW	14
	N 19	N 20	N 21	N 20	NW 19	N 21	NW 19	SW 17	SW 15	SW 13	SW 12	N	14.8	N	25
Prevailing direction	E	E, S	S	S	S	W	W	S	E, S, SW	W	E, S, W	E	-------	-------	-------
Mean velocity	11.1	10.9	10.3	10.2	10.7	11.1	10.9	11.2	11.2	11.6	12.1	-------	11.5	-------	23.0

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

OCTOBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	W 8	W 12	SW 15	SW 17	SW 17	SW 21	S 20	S 20	SW 16	S 14	S 8	S 10	S 10
2	SE 5	E 11	E 6	E 5	E 6	S 6	S 4	SE 4	S 5	S 5	S 4	S 3	S 4
3	SE 3	S 4	S 4	S 4	SE 8	S 7	S 3	S 5	E 12	E 13	E 15	E 14	S 15
4	E 19	E 16	E 20	E 20	E 23	E 20	E 20	E 22	E 20	E 21	E 21	E 20	E 19
5	E 19	E 17	E 19	E 18	E 20	E 18	E 20	E 21	E 19	E 18	E 17	E 15	SE 15
6	NE 10	NE 8	E 7	E 3	SW 13	SW 17	SW 21	SW 18	SW 17	W 17	W 14	W 11	W 11
7	NE 12	NE 12	N 10	N 14	N 16	N 16	N 15	S 12	S 15	NE 17	NE 16	NE 19	NE 17
8	E 30	E 29	E 31	E 30	E 32	E 33	E 36	E 42	E 41	N 40	N 41	N 42	NE 40
9	N 17	N 18	N 18	N 19	N 18	N 18	N 19	N 10	NW 8	N 10	N 10	N 17	N 15
10	N 11	N 10	N 9	N 10	N 10	N 8	N 9	N 8	N 9	E 11	E 12	E 11	E 10
11	E 23	E 23	E 25	E 24	E 21	E 22	E 22	E 20	E 20	E 21	E 24	E 21	E 21
12	E 2	E 2	E 2	SE 2	0	S 3	S 3	S 4	S 2	S 3	S 2	S 4	E 8
13	S 6	S 7	SE 4	SE 3	SW 4	S 6	S 7	S 5	S 5	S 6	E 15	E 17	E 21
14	E 13	E 12	E 10	E 9	E 9	N 11	N 11	N 9	E 9	E 10	E 11	NE 12	N 12
15	E 12	E 11	E 13	E 13	E 10	E 10	E 9	E 9	E 9	E 8	E 4	NW 5	NW 7
16	N 3	N 3	N 5	N 8	N 6	NW 7	NW 8	N 11	N 13	NW 14	NW 16	NW 15	NW 13
17	N 10	N 9	N 10	E 9	E 11	E 10	E 12	E 14	E 15	E 15	E 16	E 16	E 17
18	E 17	E 15	E 15	E 14	E 14	E 13	E 9	E 9	E 9	E 10	E 9	E 11	E 11
19	W 2	W 2	W 3	SW 2	W 2	W 2	W 3	S 2	S 3	S 2	E 4	E 4	S 3
20	SE 17	SE 18	SE 18	E 29	E 30	E 26	S 16	S 19	SE 17	SE 20	E 22	E 24	SE 30
21	S 18	S 17	S 19	S 25	S 26	S 25	SW 21	SW 20	SW 21	SW 23	SW 20	SW 23	SW 24
22	W 21	W 18	W 16	W 16	W 17	W 14	W 14	W 18	SW 20	SW 22	SW 23	SW 22	W 17
23	SW 6	S 2	E 3	NE 4	W 5	SE 4	S 2	S 2	SE 2	SE 3	S 3	S 2	SE 4
24	E 16	E 16	E 14	E 14	E 15	E 15	E 16	E 16	E 17	E 17	E 16	E 16	E 16
25	E 14	E 13	E 9	SE 5	SE 7	SE 6	E 11	E 9	SE 7	S 5	S 4	SW 6	SW 6
26	SW 8	SW 9	SW 8	SW 9	SW 8	S 12	SW 11	SW 11	SW 8	SW 7	W 10	SW 9	W 8
27	SW 2	NW 5	N 3	N 3	S 2	SE 2	W 5	W 11	W 13	W 13	SW 13	SW 15	SW 15
28	E 16	E 16	E 18	E 21	E 25	E 26	E 28	E 29	E 32	E 34	E 36	E 35	E 32
29	S 26	SE 20	S 11	S 13	W 11	SW 17	SW 22	S 19	S 21	S 23	S 23	S 21	S 23
30	SW 6	S 4	S 3	S 2	0	S 4	E 4	E 8	E 7	E 7	E 7	E 8	E 7
31	S 3	S 4	SW 3	SW 5	SW 8	S 14	SE 15	E 19	E 24	E 21	E 22	S 17	SE 15
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	12.1	11.7	11.3	11.9	12.7	13.3	13.4	13.7	14.1	14.5	14.8	15.0	15.0

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	S 9	S 11	SW 8	SW 8	S 4	S 4	S 4	S 3	S 5	S 4	S 6	S	10.6	SW	25
2	S 6	S 6	S 4	S 7	S 3	S 7	S 4	S 4	E 4	E 4	S 4	S	5.0	E	15
3	SE 8	S 6	SE 6	E 21	E 19	E 19	E 17	SE 6	SE 9	E 17	E 22	E	10.7	E	25
4	E 22	E 22	E 21	E 17	NE 20	E 20	E 21	E 20	E 19	E 18	E 18	E	20.0	E	26
5	SE 18	SE 24	E 25	E 26	E 24	E 22	E 21	E 23	NE 23	NE 26	E 19	E	20.3	E	34
6	SW 7	W 5	NW 6	W 6	S 6	S 6	N 10	N 13	N 10	N 8	NE 7	SW, W	10.5	SW	24
7	NE 25	NE 25	N 21	NE 20	NE 21	NE 17	E 18	E 21	NE 22	E 24	E 26	NE	18.0	E	32
8	NE 37	N 35	N 34	N 34	N 31	N 31	N 30	N 31	N 26	N 22	N 19	N	33.2	E	47
9	N 14	N 13	N 10	N 10	N 8	NW 5	NW 6	W 7	NW 7	NW 7	N 9	N	12.2	E	24
10	E 14	E 13	E 15	E 16	E 17	E 17	E 17	E 17	E 20	E 17	E 19	E	12.9	N	23
11	E 17	E 16	E 17	E 15	E 10	E 6	E 3	E 3	0	E 2	E 4	E	15.8	E	28
12	N 11	E 10	E 10	E 3	E 3	S 4	S 4	0	E 3	S 3	S 4	S	3.8	E	15
13	E 18	E 18	E 17	E 17	E 17	E 17	E 14	E 12	E 12	E 11	E 12	E	11.3	N	23
14	E 11	E 12	E 13	N 13	N 12	N 9	E 11	N 12	E 11	E 11	E 10	E	11.0	E	16
15	NW 6	NW 3	NW 5	N 5	N 5	N 5	E 5	E 4	SW 5	0	SW 2	E	6.9	N	15
16	NW 12	N 11	N 12	N 13	N 13	N 13	N 12	N 14	N 14	N 13	N 12	N	10.9	E	18
17	E 17	E 17	E 18	E 18	E 18	E 18	E 16	E 15	E 17	E 17	E 17	E	14.7	NW	20
18	E 7	SE 6	S 8	W 4	W 5	W 7	W 5	W 3	W 5	W 5	W 3	E	8.9	E	18
19	E 2	E 6	E 5	E 7	E 9	E 12	E 14	E 15	E 16	SE 13	SE 15	E	6.2	E	17
20	SE 26	SE 26	E 25	E 19	SE 11	S 10	S 10	S 13	S 12	S 14	S 15	SE	19.5	E	36
21	SW 22	SW 21	SW 21	SW 25	SW 24	SW 20	SW 17	SW 17	SW 18	W 17	W 17	SW	20.9	E	29
22	W 14	W 17	W 19	W 17	W 14	W 15	W 15	W 15	W 12	W 8	W 7	W	16.3	SW	26
23	E 5	E 7	E 9	E 12	E 15	E 17	E 16	E 16	E 17	E 16	E 15	E	7.8	SW	17
24	E 17	E 15	E 15	E 14	E 12	E 14	E 15	E 16	E 15	E 16	E 14	E	15.3	E	19
25	SW 7	SW 7	S 6	SW 7	SW 8	SW 6	SW 10	SW 10	SW 7	SW 8	SW 9	SW	7.8	E	15
26	SW 7	SW 8	SW 7	SW 3	SW 2	SW 2	W 3	N 3	W 7	SW 6	W 6	SW	7.2	E	14
27	SW 11	SW 11	SW 6	SW 8	SW 3	S 3	NW 3	S 3	E 3	E 9	E 10	SW	7.2	SW	17
28	E 37	E 42	E 42	SE 42	SE 41	SE 39	SE 38	SE 41	SE 41	SE 38	SE 33	E	32.6	W	49
29	S 20	S 20	S 20	S 19	S 16	S 17	S 19	S 18	SW 16	S 9	S 7	S	18.0	SE	27
30	E 10	E 8	E 10	E 11	E 12	E 12	E 6	E 6	E 4	E 4	S 4	E	6.4	S	14
31	SE 17	SE 17	SE 17	SE 17	SE 15	E 13	SE 14	SE 8	S 6	S 6	S 4	SE	12.7	E	27
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E			
Mean velocity	14.6	14.8	14.6	14.6	13.5	13.1	12.8	12.5	12.5	12.0	11.9		13.4		23.7

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

NOVEMBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13
Day													
1	SW 6	SW 6	SW 5	SW 6	S 6	S 10	S 9	S 11	S 11	S 13	S 13	S 11	S 11
2	S 2	SE 2	SE 2	0	SE 4	E 7	E 8	E 6	E 7	E 7	E 8	E 10	E 9
3	E 17	E 17	E 20	E 17	E 18	E 19	E 20	E 22	E 20	E 21	E 21	E 19	E 21
4	E 20	E 21	E 21	E 21	E 20	E 19	E 19	E 17	E 17	E 17	E 18	E 17	E 19
5	E 8	N 7	N 6	E 8	E 8	E 4	E 6	S 4	S 3	S 4	S 2	S 4	S 3
6	SW 7	S 4	SW 5	S 6	S 4	S 4	S 4	S 4	S 5	S 6	S 6	S 5	S 6
7	W 4	SW 3	S 9	S 7	S 7	S 4	S 4	S 4	SW 6	W 6	SW 6	SW 6	W 3
8	S 5	S 5	S 6	S 6	S 6	S 6	S 5	S 7	S 7	S 7	S 5	S 6	SW 7
9	SW 10	W 10	W 9	SW 8	S 4	S 4	0	W 4	SW 2	E 5	E 7	NE 10	NW 10
10	W 10	NW 13	W 13	W 13	W 13	W 14	W 14	SW 15	SW 10	S 12	S 13	S 17	S 15
11	SW 7	SW 12	SW 13	SW 13	SW 12	SW 11	SW 15	SW 16	SW 15	SW 16	SW 16	SW 17	S 17
12	SW 15	S 8	W 4	S 7	W 4	NE 4	N 3	NE 3	E 5	E 7	NE 7	N 5	NW 6
13	W 9	W 7	SW 7	S 8	S 5	SE 2	SE 2	SE 4	S 4	S 4	S 4	S 4	SE 8
14	NE 19	NE 16	E 15	E 14	E 17	E 20	E 21	E 10	E 16	E 16	E 10	E 7	SW 5
15	S 9	SW 8	SW 6	SW 8	SW 6	SW 6	SW 7	S 8	S 5	S 7	S 7	S 8	S 11
16	SW 5	SW 8	SW 5	S 6	S 8	S 12	S 11	S 11	SW 17	S 17	S 17	S 12	S 14
17	S 2	S 2	S 2	S 3	S 3	S 2	E 5	E 4	E 5	E 8	E 11	E 9	E 11
18	E 11	E 10	E 9	SE 9	SE 8	SE 7	SE 7	S 5	S 5	S 6	S 6	SW 8	SW 11
19	S 7	S 2	E 5	E 9	E 5	E 7	E 6	E 8	E 6	SE 8	E 9	E 7	E 8
20	NE 11	NE 13	NE 14	NE 14	NE 11	NE 13	E 12	E 16	E 18	E 17	E 16	E 16	E 17
21	E 21	E 22	E 21	E 20	E 20	E 20	E 19	E 18	E 19	E 19	E 20	E 19	E 18
22	S 6	S 3	S 3	SW 4	SW 4	W 2	SW 3	S 8	S 9	S 11	S 17	S 12	S 10
23	E 7	E 3	E 2	E 2	S 5	S 7	S 5	SW 7	S 9	S 10	S 10	S 9	S 9
24	SW 6	W 7	W 6	W 6	W 7	SW 5	SW 4	SW 4	SW 5	S 8	SW 8	SW 8	W 7
25	NW 7	NW 8	NW 9	NW 5	N 4	NW 7	NW 10	NW 17	NW 21	NW 17	NW 16	NW 16	NW 19
26	N 27	N 27	N 26	N 26	N 25	N 25	N 22	N 25	N 24	N 25	N 24	N 24	N 24
27	N 11	N 12	N 14	N 14	N 13	N 14	N 12	N 11	N 11	N 8	N 9	N 8	N 12
28	E 19	E 18	E 18	E 19	E 19	E 18	E 19	E 22	E 21	E 22	E 21	E 20	E 22
29	E 28	E 25	E 23	E 22	E 17	E 15	SE 16	SE 16	SE 11	SE 10	SE 10	SE 8	SE 9
30	SE 11	SE 12	SE 15	SE 15	E 24	E 25	E 26	E 25	E 26	SE 24	E 22	E 25	SE 22
Prevailing direction	E	E	E	E	E, S	E	E	E	E	S	S, E	S, E	S
Mean velocity	10.9	10.4	10.4	10.5	10.2	10.4	10.5	11.4	11.3	11.9	12.0	11.6	12.1

Hour	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	S 11	S 9	S 7	S 6	S 5	SW 4	SW 6	S 5	S 6	SW 3	SW 2	S	7.6	S	14
2	E 7	E 6	E 10	E 11	E 10	E 11	E 12	E 13	E 12	E 16	E 16	E	8.2	E	17
3	E 22	E 21	E 20	E 20	E 20	E 21	E 20	E 20	E 19	E 20	E 20	E	19.8	E	25
4	E 17	E 17	E 17	E 16	E 14	E 14	E 14	E 13	E 12	E 12	E 10	E	16.8	E	25
5	S 6	S 7	S 7	S 6	SW 7	S 8	S 7	S 11	SW 9	S 8	S 7	S	6.2	S	13
6	S 5	S 4	SW 9	SW 10	SW 8	S 5	S 5	SW 5	SW 4	W 3	W 5	S	5.4	SW	11
7	W 6	SW 5	SW 6	S 7	S 6	S 5	S 5	S 6	S 5	S 3	S 3	S	5.2	S	11
8	SW 6	W 6	SW 5	SW 4	SW 6	W 7	SW 8	S 8	S 9	S 10	SW 9	S	6.5	S	11
9	W 2	0	N 4	NW 5	NW 4	NW 5	W 12	W 8	W 9	W 11	W 7	W	6.2	W	14
10	SE 10	SE 5	SE 4	S 5	SW 10	SW 14	SW 15	SW 13	SW 14	SW 12	SW 13	SW	12.0	SW	19
11	S 17	SW 14	SW 11	SW 13	W 11	W 12	W 14	W 17	W 17	W 17	W 18	SW	14.2	SW	21
12	NW 4	E 5	E 5	NE 5	NE 8	NE 10	NE 10	N 6	N 5	NW 8	W 8	NE	6.3	S	18
13	S 8	E 3	N 8	N 8	E 13	E 15	E 15	E 16	E 16	N 13	E 15	S, E	8.2	E	18
14	S 6	S 6	S 7	S 7	S 7	SW 5	S 4	S 6	S 9	S 8	S 9	S, E	11.2	E	24
15	S 10	SW 10	SW 11	SW 11	SW 13	S 13	SE 7	S 5	S 5	S 4	S 5	S	7.9	S	18
16	S 10	S 11	S 9	S 8	S 12	S 11	S 6	S 4	S 4	SW 3	SW 4	S	9.4	SW	19
17	E 11	E 14	E 16	E 16	E 17	E 17	E 20	E 17	E 17	E 16	E 13	E	10.0	E	22
18	S 10	SW 8	SW 9	SW 9	SW 9	SW 7	W 6	SW 6	SW 5	S 6	S 7	SW	7.7	S	13
19	E 9	E 8	E 9	E 6	E 6	E 5	E 5	E 4	E 7	NE 12	NE 11	E	7.0	NE	14
20	E 17	E 17	E 17	E 19	E 23	E 24	E 23	E 24	E 22	E 20	E 21	E	17.3	E	27
21	E 17	E 15	E 14	SE 9	E 8	E 7	S 4	S 4	S 6	S 7	S 5	E	14.7	E	25
22	S 11	S 8	S 6	S 9	SW 9	SW 6	S 6	S 3	SE 4	E 5	E 9	S	7.0	S	19
23	S 7	SW 6	SW 6	SW 7	SW 7	SW 5	S 4	S 10	SW 10	SW 8	SW 7	S	6.8	SW	13
24	W 7	W 7	W 6	W 5	NW 7	NW 4	N 7	NE 7	NE 9	NE 11	NW 10	W	6.7	N	15
25	NW 24	NW 27	N 27	N 25	N 26	N 28	N 29	N 28	N 29	N 27	N 28	NW	18.9	N	34
26	N 20	N 21	N 20	N 17	N 14	N 17	N 15	N 13	N 13	N 10	N 9	N	20.5	N	31
27	NE 11	NE 9	E 11	E 14	E 16	E 17	E 17	E 19	E 19	E 17	E 17	N	13.2	E	21
28	E 23	SE 19	SE 22	SE 23	SE 19	SE 19	SE 19	E 28	E 27	E 28	E 29	E	21.4	E	33
29	E 7	SE 13	SE 17	SE 18	SE 14	SE 15	SE 13	SE 15	SE 14	E 17	SE 13	SE	15.2	E	33
30	SE 23	SE 17	SE 19	S 16	SE 16	SE 17	SE 19	SE 16	SE 14	SE 17	SE 21	SE	19.5	E	29
Prevailing direction	S	E	E	S	E	E	E, S	E, S	E	E	E	E	------	------	------
Mean velocity	11.5	10.6	11.03	11.2	11.5	11.6	11.6	11.7	11.7	11.7	11.7	------	11.2	------	20.2

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

DECEMBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SE 17	SE 17	E 18	E 20	E 16	E 16	E 15	E 12	NE 14	E 10	E 13	E 14	E 17
2	E 9	NE 8	E 10	E 7	E 5	E 9	N 6	E 6	E 6	E 7	E 8	E 9	E 9
3	S 10	S 7	SW 5	SW 4	SW 5	SW 8	W 8	SW 8	SW 8	S 8	S 8	SW 7	SW 8
4	E 5	E 5	E 5	E 5	E 6	E 9	E 8	E 6	E 8	E 7	E 6	E 7	E 9
5	SE 8	SE 9	S 7	S 6	S 3	SW 3	S 4	SW 4	S 4	S 6	SW 4	S 7	S 3
6	N 3	N 2	N 4	NE 4	E 3	E 2	E 5	N 8	N 7	NW 5	W 5	W 4	W 17
7	E 14	E 15	E 14	E 11	E 10	E 6	E 3	S 3	W 5	S 10	S 13	S 15	S 9
8	SW 6	SW 5	S 5	SW 6	W 4	W 4	S 8	S 10	S 8	S 6	S 6	S 7	S 2
9	E 9	E 10	E 10	S 4	SW 6	W 6	SW 4	S 6	S 5	S 6	S 6	S 2	S 16
10	E 9	E 8	E 6	SE 7	S 11	SE 10	E 13	E 16	E 17	E 17	E 16	E 14	E 6
11	N 5	E 2	SE 2	SE 2	0	SE 2	SE 3	W 2	S 3	SW 3	SW 3	SW 3	S 5
12	S 4	S 5	S 2	S 2	S 3	S 2	E 4	S 3	S 2	S 5	S 4	SE 3	SE 5
13	0	SE 3	E 3	E 9	E 7	E 6	E 4	E 5	E 5	E 4	SE 4	SE 4	S 14
14	0	E 2	W 3	W 4	S 9	S 10	S 9	S 11	S 8	S 11	S 13	S 13	S 6
15	S 10	S 9	S 9	S 9	S 6	S 3	W 4	S 5	S 4	S 3	S 3	S 4	S 6
16	SW 3	W 2	W 2	W 2	W 3	W 3	S 2	S 3	S 4	E 5	E 8	E 7	E 2
17	W 2	W 2	W 2	S 3	S 3	E 5	E 5	S 4	E 6	E 5	E 3	E 3	E 7
18	NE 4	NE 6	NE 8	NE 7	NE 10	NE 10	NE 8	NE 6	NE 5	N 6	N 6	N 6	N 17
19	NE 10	NE 12	NE 12	NE 11	NE 9	E 14	E 17	E 18	E 18	NE 15	N 17	NE 17	NE 10
20	NE 12	N 8	N 7	W 14	W 14	W 8	W 5	NW 9	NW 10	NW 11	NW 8	NW 11	NW 22
21	E 8	E 12	E 13	SE 14	SE 12	SE 16	S 18	SE 21	E 22	E 23	SE 21	E 22	E 8
22	E 20	SE 23	SE 23	SE 21	E 20	E 21	E 20	E 19	E 17	E 15	NE 10	NE 8	NE 18
23	S 19	SW 22	SW 21	SW 22	SW 21	SW 21	SW 19	SW 19	SW 19	SW 19	SW 18	SW 17	SW 15
24	0	S 4	S 6	E 7	E 12	E 14	E 15	E 14	SE 10	S 8	SE 6	S 9	S 6
25	W 7	W 4	W 3	S 2	W 5	W 5	W 2	S 3	E 4	E 7	E 7	E 5	E 27
26	E 16	E 17	E 17	E 17	E 17	E 17	E 21	E 20	E 20	E 22	SE 23	E 25	E 13
27	S 6	S 5	SW 4	W 5	SW 4	S 7	S 6	S 8	S 7	S 8	S 8	E 11	E 18
28	E 15	E 17	E 18	E 15	E 14	E 14	E 13	E 14	E 12	E 9	SE 10	E 15	E 8
29	SE 3	SE 3	SE 3	E 5	SE 12	SE 10	E 12	E 13	E 8	S 4	S 7	S 8	S 20
30	E 2	E 3	S 3	E 5	E 13	E 17	E 17	E 17	E 17	E 17	E 15	E 15	E 7
31	SW 9	S 8	S 8	S 5	S 4	S 3	S 2	S 5	S 5	S 7	SE 11	S 9	S
Prevailing direction	E	E	E	E	E	E	E	E	E	E	S	E	E
Mean velocity	7.9	8.2	8.2	8.6	9.1	9.0	9.6	9.3	9.3	9.4	9.7	10.9	10.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	E 17	E 13	NE 17	N 20	N 17	N 16	N 12	N 11	N 7	E 7	E 8	E	14.3	N	23
2	E 11	E 10	E 10	E 6	SE 7	S 5	S 6	S 6	S 7	S 8	S 10	E	7.7	E	13
3	SW 9	SW 9	SW 8	SW 7	S 7	S 6	S 7	S 5	S 5	S 4	E 4	SW	6.9	S	11
4	E 8	E 7	SE 7	SE 8	S 7	S 7	SE 9	SE 7	SE 9	SE 8	E 9	E	7.2	SE	10
5	S 12	S 10	SW 8	SW 10	S 11	S 10	S 7	SW 6	S 7	S 7	S 4	S	6.9	S	14
6	W 3	W 3	E 4	E 4	E 4	E 5	E 7	E 9	E 9	E 9	E 11	E	5.1	E	14
7	S 19	S 15	S 15	SW 13	SW 13	S 16	SW 16	S 14	S 11	S 9	SW 4	S	11.7	S	22
8	S 8	S 8	S 8	S 5	S 3	S 5	E 4	E 6	E 6	E 9	E 11	S	6.5	E	14
9	S 2	S 3	S 4	SE 5	S 4	S 6	SE 4	SE 3	SE 6	S 6	E 10	S	5.4	E	13
10	E 14	E 15	E 15	E 15	E 14	E 14	E 15	E 13	E 8	NE 6	N 5	E	12.2	E	18
11	SW 3	S 9	S 12	S 14	S 13	S 13	S 10	S 9	S 13	S 9	S 6	S	6.1	E	17
12	SE 5	SE 4	SE 3	S 3	S 3	S 3	S 3	S 2	SE 3	S 2	SE 3	S	3.2	S	6
13	SE 5	S 4	SE 7	SE 4	E 3	E 4	E 3	E 4	E 3	E 2	E 2	E	4.2	S	10
14	S 11	S 11	S 12	SW 12	S 12	SW 9	SW 9	SW 4	S 6	S 8	S 9	S	8.8	E	15
15	S 8	S 9	S 7	S 5	SW 5	SW 5	SW 4	W 4	W 4	W 2	W 3	S	5.5	S	11
16	NE 10	N 9	N 8	NE 8	NE 8	NE 8	NE 9	N 9	N 8	W 2	W 2	W	5.5	S	11
17	E 2	E 2	W 2	W 2	W 2	W 2	W 2	W 2	W 3	NE 4	NE 3	W	3.0	NE	6
18	N 5	N 6	NE 8	NW 8	N 6	N 7	N 7	N 8	N 6	N 7	NE 7	N	6.8	E	11
19	NE 16	N 15	N 15	N 15	N 15	N 12	NE 11	E 11	E 12	E 13	NE 9	NE	13.8	NE	21
20	N 9	N 10	N 6	N 7	N 11	N 7	N 8	N 3	E 4	E 4	E 6	N	8.4	E	17
21	SE 19	SE 18	SE 17	E 16	E 17	E 18	E 17	E 18	E 19	E 19	E 21	E	17.6	W	26
22	NE 7	NE 6	NE 6	NE 2	NE 3	NE 3	E 4	SE 5	SE 4	SE 6	S 13	NE	11.8	E	26
23	SW 16	W 15	W 14	W 12	SW 9	SW 7	W 7	W 4	W 3	W 2	SW 3	SW	14.5	SE	26
24	S 17	S 17	SW 17	SW 14	SW 13	S 12	SW 10	SW 9	SW 8	W 6	W 9	S	10.5	SW	19
25	SE 5	SE 8	SE 11	S 9	S 9	S 11	E 13	E 9	E 11	E 14	E 12	E	7.2	S	15
26	E 25	E 25	E 24	E 23	E 22	E 21	E 19	E 17	E 16	E 13	E 8	E	19.7	E	30
27	E 12	E 13	E 12	E 12	E 10	SE 7	SE 8	SE 9	SE 9	E 12	E 14	E	8.8	E	16
28	E 16	E 17	E 14	E 13	E 11	S 6	S 3	E 6	E 13	E 13	E 7	E	12.6	E	22
29	S 8	S 6	S 5	S 7	S 11	S 8	S 8	S 10	S 8	S 6	SW 3	S	7.3	E	16
30	E 17	E 15	SE 12	SE 6	S 3	S 5	S 12	S 11	S 7	SW 6	SW 9	E	11.0	E	20
31	S 5	S 4	S 4	S 3	SW 4	S 3	E 2	E 3	E 2	E 6	E 4	S	5.1	SE	14
Prevailing direction	E, S	S	S	E	S	S	E	E	E	E	E	E	--------		16.4
Mean velocity	10.2	10.1	9.3	8.9	8.4	8.3	7.6	7.6	7.4	7.4	8.9		8.9		

TABLE 33.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America*—Continued

JANUARY 1935

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	E 4	SE 3	S 4	E 5	NE 3	S 5	SE 7	E 10	E 16	E 14	E 18	E 17	E 16
2	N 14	N 13	NE 11	N 18	N 21	N 18	N 18	N 19	N 17	N 15	NE 15	NE 15	NE 16
3	E 11	E 8	E 10	E 14	E 16	E 14	E 16	SE 14	SE 13	SE 15	SE 14	SE 17	SE 21
4	SE 17	SE 17	E 17	E 17	SE 20	SE 20	SE 10	SE 21	SE 19	SE 19	E 19	E 19	E 19
5	S 4	S 5	S 3	S 4	S 5	SW 3	SW 6	S 6	S 7	S 14	S 15	S 15	S 16
6	S 13	S 13	S 11	S 11	S 11	S 11	S 11	S 14	S 15	S 17	S 16	S 17	S 17
7	S 18	S 17	S 16	S 13	S 16	S 17	S 17	S 16	S 15	S 17	S 15	S 15	S 16
8	SW 13	S 14	S 13	SW 13	S 12	S 12	SW 10	SW 12	SW 17	SW 17	S 17	S 16	SW 18
9	S 14	S 15	SW 16	S 13	S 11	S 12	S 10	S 11	S 12	SW 12	SW 16	SW 16	SW 16
10	NE 7	NE 9	NE 8	E 10	NE 8	E 11	E 10	NE 10	NE 11	NE 10	NW 6	NW 6	W 4
11	S 7	S 7	S 5	S 4	E 4	N 5	E 8	E 7	E 6	E 7	E 12	E 14	E 14
12	E 13	E 16	E 18	E 17	E 13	E 17	E 16	E 14	E 13	E 13	E 13	E 12	E 10
13	S 11	S 13	S 14	S 15	S 15	S 12	S 10	SE 11	SE 10	SE 5	SE 3	S 6	S 12
14	SE 12	SE 9	SE 11	E 11	E 9	E 10	E 9	E 10	E 9	E 8	E 6	E 6	E 5
15	S 7	S 7	S 8	S 8	S 9	S 8	S 8	S 7	S 6	S 5	S 5	S 3	S 3
16	W 9	W 7	W 7	W 11	W 11	W 9	W 13	SW 13	SW 11	SW 10	SW 11	SW 10	SW 9
17	S 12	S 13	S 15	S 13	S 10	S 9	S 9	S 9	S 8	S 5	SW 6	S 4	SW 4
18	S 4	S 3	SE 5	S 4	S 3	S 4	S 3	S 4	S 3	S 5	S 7	S 7	SE 6
19	E 13	E 15	E 16	E 13	E 15	E 17	E 17	E 17	E 17	E 17	E 17	E 16	E 13
20	S 15	SE 14	E 15	E 15	E 16	E 17	E 17	E 17	E 19	E 17	E 17	E 16	E 15
21	S 5	S 4	SW 3	SW 2	SW 3	SW 4	SW 5	SW 5	W 5	W 7	SW 7	W 7	SW 9
22	W 7	SW 10	SW 14	SW 12	W 13	W 12	SW 13	SW 11	SW 9	SW 7	W 4	NW 4	NW 4
23	N 10	N 10	NE 13	N 13	N 15	NE 14	N 17	N 17	NE 17	N 17	N 20	N 20	N 19
24	NW 16	NW 14	NW 13	NW 13	NW 13	NW 14	NW 15	NW 14	NW 16	NW 16	NW 14	NW 13	NW 14
25	N 10	N 8	N 9	N 8	E 11	N 11	N 12	N 10	E 12	E 15	E 15	E 17	E 16
26	E 24	E 23	E 24	E 26	E 24	E 23	E 22	E 22	E 20	NE 18	N 20	N 19	N 19
27	N 18	N 18	N 17	N 17	N 17	N 18	N 17	N 15	N 17	N 17	N 17	N 19	N 19
28	E 10	E 12	E 12	E 11	E 11	E 10	E 11	E 11	E 13	E 15	S 13	S 16	E 17
29	E 13	NE 16	NE 16	N 16	N 16	NE 14	NE 16	NE 15	N 15	N 15	N 12	NE 15	NE 16
30	NE 15	NE 16	NE 12	NE 12	NE 13	NE 11	NE 11	NE 14	NE 13	NE 11	NE 11	NE 11	NE 11
31	E 6	NE 6	NE 6	N 6	NE 7	N 8	N 7	N 7	NE 7	NE 8	NE 7	N 9	N 12
Prevailing direction	S	S	S	E	S, E	S	E	E	E	E	E	S	E
Mean velocity	11.4	11.5	11.7	11.8	12.0	11.9	12.2	12.4	12.5	12.5	12.5	12.6	13.1

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1	E 14	E 13	E 10	E 10	E 10	E 13	E 7	E 11	E 14	E 11	N 14	E	10.4	E	22
2	NE 13	NE 12	NE 11	NE 11	NE 11	E 10	E 11	E 8	E 8	E 9	NE 9	NE	13.5	N	24
3	SE 23	SE 22	SE 22	SE 22	SE 19	SE 20	SE 22	SE 17	SE 23	SE 20	SE 17	SE	17.1	SE	26
4	E 18	E 16	E 12	E 5	W 4	W 4	W 2	S 2	S 8	SE 9	SE 7	SE	13.7	SE	24
5	S 15	S 13	S 11	S 6	S 9	S 12	S 10	S 11	S 11	S 11	S 14	S	9.4	S	17
6	S 17	S 16	S 17	S 18	S 17	S 18	S 19	S 21	S 17	S 18	S 18	S	15.5	S	25
7	S 17	S 16	S 16	S 17	S 18	S 17	S 17	S 13	SW 10	SW 15	S 11	S	15.6	S	21
8	SW 20	SW 21	SW 21	SW 19	SW 20	S 18	S 17	S 17	S 18	S 16	S 16	S, SW	16.1	SW	25
9	SW 13	S 13	SW 11	S 10	S 10	S 7	S 7	E 6	E 8	NE 11	E 9	S	11.6	SW	18
10	W 5	W 3	SW 4	W 6	NW 6	W 5	W 4	W 5	SW 4	SW 5	S 5	W, NE	6.8	NE	12
11	E 13	S 12	S 11	S 11	S 9	S 9	S 7	SE 7	SE 2	SE 5	SE 8	S	8.1	E	16
12	E 9	SW 8	W 9	W 7	S 9	S 11	S 9	SW 12	S 11	S 14	S 9	E	12.2	E	22
13	S 11	S 11	S 9	E 12	SE 12	SE 8	S 9	SE 12	SE 14	SE 14	SE 12	S	10.9	S	17
14	E 4	E 5	S 5	S 5	SE 6	SE 4	SE 5	E 4	SE 6	SE 5	SE 5	E	7.0	SE	13
15	SW 3	W 4	W 5	W 7	W 8	SW 11	SW 12	W 9	W 9	W 10	W 12	S	7.2	SW	14
16	SW 8	SW 9	W 8	SW 7	SW 5	S 7	S 8	S 10	S 10	S 10	S 12	SW	9.4	W	16
17	S 2	SE 4	SE 3	E 5	E 4	E 3	S 5	S 5	S 6	S 6	S 6	S	6.9	S	18
18	SE 7	E 6	E 6	E 7	E 6	E 7	E 8	E 9	E 11	E 11	E 12	S	6.2	E	13
19	N 5	N 6	N 6	E 12	E 12	E 11	E 11	E 11	S 15	SE 13	E 14	E	13.3	E	20
20	E 15	E 15	E 12	E 12	E 12	E 11	E 10	E 8	E 8	E 7	SE 5	E	13.5	E	22
21	SW 9	SW 9	SW 9	SW 7	SW 4	W 3	W 4	W 3	0	NW 4	N 3	SW	5.0	SW	10
22	NW 4	NW 7	NW 7	N 7	N 6	NW 6	NW 6	N 7	NW 4	N 8	N 9	NW	8.0	S	16
23	N 14	N 14	NW 14	NW 12	NW 12	NW 13	NW 14	NW 14	NW 14	NW 16	NW 15	N	14.8	N	23
24	N 15	N 13	N 12	N 13	N 13	N 10	N 10	N 9	N 9	N 9	NE 9	NW	12.8	NW	19
25	E 17	E 20	E 21	E 21	E 23	E 22	E 20	E 20	E 19	E 21	E 20	E	15.8	E	26
26	N 19	N 21	N 22	N 22	N 23	N 24	N 23	N 22	N 23	N 18	N 20	N	21.7	E	29
27	N 17	N 19	N 18	N 16	N 15	N 16	N 14	N 15	E 11	N 15	N 17	N	16.6	N	23
28	E 15	E 13	E 12	E 12	E 14	E 13	E 13	E 11	E 13	E 12	E 13	E	12.6	E	20
29	NE 17	NE 18	NE 17	NE 16	NE 17	E 15	NE 14	NE 17	NE 17	NE 16	NE 15	NE	15.6	NE	21
30	NE 8	NE 8	N 7	N 7	N 4	NE 5	NE 5	NE 6	NE 6	E 5	E 6	NE	9.5	NE	19
31	N 11	NE 9	NE 8	N 8	N 8	N 9	NW 10	NW 8	NW 5	NW 4	N 6	N	7.6	N	12
Prevailing direction	E	E	E, S	E	E	E	S	E	E, S	E	S	E			
Mean velocity	12.2	12.1	11.5	11.3	11.2	11.0	10.7	10.6	10.8	11.2	11.2		11.8		19.5

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*

MARCH 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
26													NW 17
27	NW 12	NW 12	NW 12	NW 14	NW 14	NW 12	NW 13	N 14	NW 16	NW 20	NW 18	NW 18	
28													SE (7)
29	SE 5	SE 5	SE 6	E 7	E 6	E 6	S 5	S 5	SE 7	E 7	E 6	E 6	SE 10
30	SE 10	SE 10	SE 10	SE 9	SE 10	SE 8	SE 12	SE 10	SE 9	SE 10	SE 10	SE 10	
31					SE 6	SE 6							

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind	
														Dir.	Vel.
Day															
26		NE 19	NE 15	NW 16	W 16	NW 15	NW 17	NW 15	NW 12	NW 10	NW 10				
27	NW 17	NW 16	NW 16	NW 15	NW 12	NW 8	NW 5	NW 6				NW	13.7	NW	22
28	NE 3	NE 7	NE 6	NE 8	NE 5	5	SE 4	SE 7	SE 7	SE 7	S 6				
29	SE 7	S 6	SE 9	SE 9	SE 6	SE 9	SE 9	SE 9	SE 9	SE 10	SE 10	SE	7.1	SE	12
30	SE 11	SE 9	S 9	S 10	S 9	S 10	S 9	S 10	S 9	S 9	S 9	SE	9.7	SE	13
31								SE 5	SE 6	SE 6	SE 6				

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

APRIL 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1													
2	E 17	E 19	E 21	E 21	E 19	E 25	E 24						
3	NE 6	NE 8	E 14	SE 16	SE 18	SE 18	SE 20	SE 24	SE 24	E 24	E 24	E 20	E 26
4	NE 20	NE 17	NE 19	NE 26	NE 25	NE 22	NE 25	NE 24	NE 24	NE 24	NE 23	NE 23	NE 23
5	E 17	E 14	E 14	E 15	E 12	E 12	E 12	E 11	E 13	E 11	S 13	S 14	SE 13
6	SE 8	SE 8	SE 7	SE 5	S 8	SE 8	SE 8	SE 8	S 7	S 7	S 7	S 7	SE 7
7	E 11	E 10	SE 12	SE 10	E 12	E 11	E 12	E 12	E 12	E 11	E 15	E 12	E 13
8	E 17	SE 17	E 17	E 16	E 16	E 15	E 14	E 15	E 17	E 15	SE 14	SE 14	SE 13
9	E 14	SE 14	E 14	E 14	E 16	E 15	E 14	E 14	E 11	E 11	E 11	E 11	NE 9
10	E 7	E 7	E 6	E 6	E 6	S 5	S 7	SE 5	SE 5	SE 6	SE 6	SE 6	SE 6
11	S 5	S 2	S 2	S 2	S 3	S 5	S 4	SE 5	S 3	S 5	S 9	SE 9	SE 9
12	S 8	SE 7	SE 7	SE 7	S 8	S 7	S 6	S 5	S 5	SE 4	SE 4	SE 6	E 7
13	E 9	E 9	E 9	E 10	SE 10	SE 10	E 8	SE 10	SE 9	SE 10	SE 9	S 6	S 4
14	E 9	E 7	SE 9	SE 5	SE 8	SE 7	SE 6	SE 8	S 6	E 5	SE 4	E 3	E 4
15	S 5	S 6	S 7	S 8	SE 8	SE 9	SE 8	S 8	SE 10	S 11	NE 13	S 12	SE 10
16	SE 13	SE 14	SE 14	SE 14	SE 13	SE 13	S 12	S 11	S 10	S 10	S 9	S 13	S 9
17	S 3	S 2	SW 5	SW 5	SW 7	SW 6	SW 8	SW 5	SW 7	S 4	SW 4	S 5	SW 6
18	S 4	S 4	0	S 2	S 2	S 4	SW 4	S 2	S 3	S 4	S 2	S 2	S 3
19	S 5	S 6	S 5	S 2	S 2	S 3	S 7	S 6	S 5	S 5	S 5	E 6	E 7
20	S 8	S 9	S 9	SE 8	SE 8	SE 8	SE 8	SE 7	SE 8	SE 7	SE 9	SE 8	S 9
21	S 8	S 8	S 7	S 4	S 6	S 7	S 5	S 7	S 5	S 5	S 6	S 6	S 5
22	W 4	W 3	W 3	W 2	0	NW 2	NW 2	0	0	0	NW 2	N 2	0
23	0	0	E 2	E 4	E 3	E 3	E 8	E 8	E 9	E 10	SE 10	SE 15	E 18
24	SE 20	SE 22	SE 20	SE 18	SE 19	SE 19	SE 16	S 14	S 14	S 13	S 12	S 15	S 14
25	S 5	S 8	SE 4	S 4	0	E 2	NE 3	NE 2	E 5	NE 14	N 15	N 12	N 11
26	E 10	E 8	SE 9	SE 12	S 11	S 10	S 9	S 9	S 8	S 8	S 8	S 5	S 5
27	S 6	S 5	S 6	S 4	S 4	S 3	S 4	S 4	S 5	S 6	S 7	S 8	S 9
28	SE 17	SE 17	SE 18	SE 14	SE 11	SE 10	E 10	E 6	SE 6	SE 5	SE 5	E 3	E 4
29	E 7	E 8	E 6	E 7	E 8	E 8	E 9	E 10	E 10	S 11	S 12	S 12	E 13
30	S 16	S 13	S 14	S 12	S 10	S 9	S 9	S 10	S 9	S 11	S 11	S 6	S 7
Prevailing direction	S	S	E, SE	SE	S	S, SE	S, E	S	S	S	S	S	S
Mean velocity	9.6	9.4	9.7	9.4	9.4	9.5	9.7	8.9	8.9	9.2	9.6	9.3	9.4

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind Dir.	Maximum wind Vel.
Day															
1															
2		SE 14	SE 14	SE 15	SE 16	SE 15	SE 16	SE 16	SE 15	SE 14	SE 15				
3	N 31	N 33	N 31	N 27	E 21	NE 18	NE 18	NE 17	NE 17	NE 19	NE 10				
4	E 22	E 20	E 19	E 23	E 23	E 19	E 21	E 23	E 20	E 18	NE 20	NE	20.6	N	35
5	SE 14	SE 15	E 13	S 9	SE 10	SE 14	SE 11	SE 7	SE 7	SE 8	E 16	NE	21.6	E	35
6	SE 5	SE 5	SE 7	SE 9	SE 9	SE 9	SE 8	E 6	E 4	E 7	SE 8	E	12.0	S	18
7	SE 14	SE 15	SE 15	SE 16	SE 17	SE 16	SE 17	SE 17	E 17	E 17	E 8	SE	7.2	SE	10
8	SE 14	SE 13	E 13	E 14	E 13	E 11	E 9	E 11	E 13	E 12	E 17	E	13.8	E	20
9	E 10	SE 9	SE 6	SE 8	SE 8	SE 8	SE 8	E 8	E 8	E 10	E 15	E	14.1	E	18
10	SE 6	S 6	S 6	SE 5	S 5	S 5	S 6	S 6	S 6	S 8	E 7	E	10.8	E	16
11	SE 9	S 9	SE 11	SE 10	SE 8	SE 9	SE 7	S 8	S 9	S 9	S 4	S	5.9	S	8
12	SE 6	E 3	SE 8	E 5	E 4	SE 6	SE 12	SE 9	SE 9	E 6	S 8	S	6.7	SE	11
13	S 5	S 5	S 4	S 4	S 6	SE 6	SE 5	S 7	SE 6	SE 6	E 8	SE	6.5	SE	14
14	E 4	S 5	S 2	E 2	S 2	S 3	S 7	S 7	E 2	E 2	SE 11	SE	7.4	SE	12
15	S 10	SE 10	SE 11	SE 12	SE 12	SE 11	SE 9	E 11	SE 12	SE 11	S 4	E	5.0	E	9
16	S 11	S 9	S 9	S 4	SW 6	S 6	S 4	S 6	S 9	S 6	SE 9	SE	9.7	SE	14
17	S 4	S 4	S 4	S 3	S 3	S 4	S 4	S 5	S 3	S 2	S 2	S	9.5	SE	24
18	S 4	S 5	S 5	S 4	S 6	S 6	S 4	S 6	SW 6	SW 6	S 3	S	4.4	SW	10
19	E 7	E 7	E 5	E 8	E 10	E 9	E 9	E 9	E 11	SE 6	S 6	S	3.9	S	8
20	S 10	SE 9	S 9	SE 10	SE 10	S 9	S 9	S 9	S 9	SE 8	S 7	S	6.3	E	12
21	S 3	S 6	S 5	S 3	0	S 2	SW 2	SW 3	SW 3	0	S 8	SE	8.6	SE	11
22	NW 2	W 2	W 2	W 2	NW 2	NW 2	N 2	W 4	W 2	NE 3	S 2	S	4.5	S	9
23	E 21	E 22	E 22	E 23	SE 24	SE 23	SE 23	SE 22	SE 19	SE 21	N 2	W	1.9	W	5
24	S 13	S 10	S 10	S 10	S 12	S 9	S 7	S 4	S 4	S 7	SE 20	E	13.8	SE	27
25	N 12	N 9	N 5	E 8	E 10	E 11	E 10	E 10	E 10	E 8	S 5	S	12.8	SE	26
26	S 6	S 6	S 6	S 7	S 8	S 6	S 5	S 8	S 6	S 8	E 7	E	7.7	NE	17
27	SE 10	SE 12	SE 10	SE 14	SE 14	SE 13	SE 13	SE 15	SE 15	S 13	S 7	S	7.7	E	10
28	E 4	E 4	E 5	E 7	NE 6	E 7	E 9	E 9	E 10	E 8	S 15	S	9.0	S	17
29	S 10	S 14	S 14	S 15	S 17	S 17	S 16	S 17	S 17	S 17	E 9	E	8.5	SE	20
30	S 8	S 8	S 5	S 6	S 6	S 5	S 4	S 4	S 6	SW 6	S 16	S	12.1	S	18
											SW 6	S	8.4	S	16
Prevailing direction	S	S	S	S	SE	S, SE	SE	S	S, E	E	S	S			
Mean velocity	9.8	10.0	9.5	9.8	9.9	9.6	9.5	9.8	9.5	9.2	9.5		9.5		15.7

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

MAY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time.]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 5	SW 4	SW 5	W 3	NW 3	NW 4	W 6	W 6	W 5	SW 6	SW 7	SW 6	SW 5
2	SE 2	0	0	S 2	0	W 2	NW 2	NW 2	NW 5	NW 3	NW 4	NW 3	N 5
3	SE 4	S 4	S 7	SE 6	S 6	E 6	S 6	E 7	SE 8	S 5	S 4	0	SW 2
4	NW 4	NW 3	NW 2	NW 2	NW 2	NE 2	E 2	E 2	SE 2	E 5	SE 2	SE 2	E 3
5	SW 2	S 2	N 2	NW 2	NW 2	W 3	W 3	W 4	SW 3	0	NW 2	NW 3	NW 4
6	E 2	E 2	E 3	E 2	E 2	E 2	E 4	SE 3	SE 3	SE 2	E 3	E 5	E 10
7	E 7	E 8	E 9	E 9	E 9	E 9	E 10	SE 10	SE 10	SE 10	SE 10	SE 10	SE 14
8	S 17	S 17	S 17	S 17	S 16	S 16	S 13	S 14	S 13	S 11	S 9	S 13	S 9
9	S 13	S 9	SW 10	SW 8	SW 8	SW 8	SW 7	SW 7	SW 8	SW 8	SW 10	SW 8	SW 3
10	NW 4	NW 3	NW 5	NW 6	SW 2	SE 5	N 5	NE 4	NE 5	NE 5	NE 6	NE 4	NE 7
11	SE 11	SE 13	SE 12	SE 5	SE 4	S 11	S 12	S 7	S 9	SE 8	S 9	SE 9	SE 5
12	SE 6	SE 6	SE 6	SE 5	S 6	S 7	S 6	S 7	E 6	SE 6	E 5	S 3	W 9
13	SE 2	SE 5	SE 4	SE 4	SE 9	SE 7	SE 12	SE 11	SE 10	SE 9	SE 8	SE 8	SE 9
14	SE 10	SE 10	SE 11	S 11	S 10	S 9	S 8	S 9	S 9	S 8	S 7	SW 9	SW 4
15	SW 5	W 5	NW 4	NW 5	NW 4	NW 5	NW 4	NE 6	NE 4	NE 3	NE 4	NE 4	NE 3
16	S 2	0	NW 2	NW 3	S 4	NE 4	NE 5	NE 3	NE 4	NE 3	NE 3	NE 4	SE 5
17	SW 2	SW 2	SW 2	S 2	SE 4	SE 2	SE 3	0	E 3	E 3	SE 4	SE 4	SE 3
18	SW 3	SW 4	SW 4	SW 5	SW 4	SW 4	SW 4	SW 3	SW 2	W 3	W 4	SW 3	SW 2
19	SW 6	SW 8	SW 6	SW 7	SW 6	SW 5	SW 6	SW 5	SW 4	SW 3	SW 5	SW 5	W 4
20	S 4	SW 6	S 4	SW 3	0	SW 2	W 2	W 2	0	NW 2	NW 3	NW 3	NW 10
21	N 9	N 8	N 10	N 8	N 9	N 8	NE 9	NE 10	NE 11	NE 13	E 11	E 11	E 15
22	SE 15	SE 17	SE 18	SE 19	SE 19	SE 23	SE 24	SE 23	S 25	SE 22	E 17	NE 13	NE 9
23	N 39	N 34	N 29	N 28	NE 24	E 19	E 21	E 23	E 21	E 19	E 15	E 15	E 17
24	SE 17	SE 17	SE 18	SE 18	SE 18	SE 20	SE 19	SE 20	SE 21	SE 19	SE 19	SE 17	SE 4
25	NE 7	NE 6	NE 2	E 2	E 4	SE 5	SE 6	SE 6	E 3	E 2	N 3	N 5	NW 3
26	SE 2	SE 2	SE 2	SE 4	SE 5	SE 4	SE 4	SE 4	SE 4	SE 4	E 3	NE 3	SE 5
27	E 6	E 8	E 8	E 6	E 6	E 8	E 5	E 5	E 6	S 5	S 9	S 8	S 3
28	S 9	S 7	E 4	0	E 2	NE 4	NE 7	NE 7	NE 6	NE 6	NE 6	NE 4	NE 6
29	SE 4	SE 4	SE 5	SE 5	E 6	E 5	SE 7	SE 7	SE 7	SE 7	SE 4	SE 4	SE 8
30	SE 9	SE 8	SE 8	SE 7	SE 7	SE 8	E 8	SE 10	E 11	SE 12	SE 11	SE 9	SE 10
31	S 12	SE 11	SE 12	SE 13	SE 16	SE 17	E 16	E 13	E 15	E 13	SE 12	SE 12	SE
Prevailing direction	SE	SE	SE	SE	SE	SE	SE, E	SE	SE	SE	SE	SE	SE
Mean velocity	7.7	7.5	7.5	7.0	7.0	7.5	7.9	7.7	7.8	7.3	7.1	6.7	6.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum Velocity Dir.	Maximum Velocity Vel.
Day															
1	SW 4	SW 4	SW 4	SE 7	S 6	SE 6	S 5	SE 5	SE 5	SE 5	SE 3	SW	5.0	SE	8
2	NE 3	NE 4	NE 4	NE 4	NE 2	NE 3	SE 4	SE 3	SE 3	E 4	SE 5	NE, NW	2.9	NE	6
3	0	W 2	SW 3	NW 2	NW 3	NW 3	N 4	N 4	N 5	N 4	N 3	S	4.1	E	8
4	E 3	E 6	E 3	E 6	E 4	E 3	SE 4	S 2	S 2	S 3	S 3	E	3.0	E	5
5	NW 4	NW 3	NW 2	NW 3	NW 3	0	0	0	0	0	0	NW	2.0	NW	4
6	SE 4	E 4	E 4	SE 4	SE 4	E 6	SE 6	SE 7	SE 8	E 7	E 7	E	4.1	E	9
7	SE 10	SE 10	SE 9	S 12	S 12	S 11	S 11	SE 15	S 19	S 18	S 17	SE	11.0	S	19
8	S 15	S 15	S 13	S 14	S 10	S 7	S 8	S 2	S 3	S 14	S 14	S	12.6	SE	17
9	SW 8	W 8	W 7	SW 6	W 7	W 6	W 7	W 6	W 6	W 7	W 3	SW	7.7	S	14
10	E 4	SE 4	SE 4	SE 2	SE 3	SE 3	SE 5	SE 5	SE 4	SE 5	SE 9	SE	4.4	SE	13
11	SE 6	SE 5	SE 7	SW 6	S 8	SE 7	SE 7	S 6	S 6	S 7	SE 6	SE, S	7.8	SE	14
12	SW 4	S 5	SW 4	SW 4	SW 3	SW 3	SW 3	NW 3	NW 4	NW 3	SE 2	SW	4.7	SE	7
13	SE 8	SE 8	SE 8	SE 9	SE 7	SE 8	SE 9	SE 9	SE 8	SE 9	SE 10	SE	8.0	S	20
14	SW 8	SW 9	SW 9	SW 10	SW 7	SW 3	W 3	NW 4	NW 5	NW 5	W 6	S, SW	7.9	SE	11
15	E 4	E 4	E 3	NE 3	S 4	SE 3	S 2	E 5	NE 3	NE 3	NW 3	NE	3.9	SW	7
16	E 3	NE 3	NE 3	NE 3	NE 2	0	E 2	E 2	0	S 2	S 2	NE	2.6	SW	8
17	SE 5	E 6	SE 5	SE 5	SE 5	SE 3	SE 3	SE 3	SE 4	S 3	S 4	SE	3.4	SE	6
18	SW 3	SW 3	SW 4	S 3	S 3	S 4	S 6	S 3	SW 4	SW 6	SW 5	SW	3.8	SE	6
19	W 3	W 4	W 4	W 3	NW 4	N 4	N 4	N 3	NE 3	NE 3	NE 2	SW	4.4	S	8
20	NW 4	NW 5	NW 6	N 7	N 8	N 9	N 10	N 10	N 9	N 10	N 9	N	5.1	SW	11
21	E 12	E 13	SE 13	E 14	E 14	E 12	SE 14	SE 13	SE 13	SE 14	SE 14	E	11.4	N	16
22	NE 17	NE 23	NE 22	NE 25	NE 26	NE 22	NE 20	NW 26	N 26	N 37	N 43	SE, NE	22.4	E	56
23	E 8	E 8	NE 8	E 8	SE 8	SE 9	SE 12	SE 14	SE 16	SE 17	SE 18	E	17.6	N	47
24	SE 19	SE 15	SE 11	SE 11	E 10	E 8	NE 9	NE 10	NE 11	NE 10	NE 9	SE	15.1	N	21
25	N 3	N 3	NE 7	NW 11	NW 7	NE 5	NW 3	N 3	0	SE 2	0	NE, N	4.1	SE	13
26	SE 4	SE 4	SE 6	E 6	E 4	E 5	E 4	SE 4	SE 7	SE 7	SE 7	SE	4.3	NW	8
27	SW 6	SW 7	SW 9	S 9	S 8	S 7	S 7	S 7	S 7	S 7	S 7	S	6.9	SE	11
28	E 5	E 6	E 5	E 7	E 6	NE 3	NE 3	NE 3	SE 3	SE 4	SE 3	NE	4.7	S	9
29	SE 5	SE 4	SE 4	SE 4	SE 5	SE 3	SE 5	SE 4	SE 6	SE 7	SE 7	SE	5.2	SE	8
30	SE 9	SE 9	SE 11	SE 10	SE 12	SE 12	SE 15	SE 14	SE 14	S 13	S 12	SE	10.3	SE	17
31	SE 9	SE 8	SE 14	SE 14	SE 14	SE 14	SE 8	SE 7	SE 12	SE 11	SE 11	SE	12.3	SE	18
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE			
Mean velocity	6.5	6.8	7.0	7.5	7.1	6.2	6.5	6.5	7.0	8.0	7.9		7.2		13.7

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

JUNE 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SE 14	SE 15	SE 13	SE 13	SE 13	SE 13	SE 12	SE 12	SE 12	SE 12	SE 12	SE 14	SE 12
2	SE 13	E 13	E 11	NE 10	NE 17	NE 19	NE 17	NE 18	NE 26	NE 26	NE 21	NE 21	NE 16
3	SE 16	SE 16	SE 14	SE 16	SE 15	SE 14	SE 12	SE 12	SE 12	SE 11	SE 12	SE 11	SE 8
4	SE 14	SE 9	SE 13	SE 7	SE 11	SE 17	E 24	E 19	E 19	E 17	E 15	E 12	E 9
5	SE 12	SE 15	E 17	SE 15	SE 19	SE 16	SE 13	E 10	SE 12	SE 12	SE 10	SE 12	SE 9
6	SE 14	SE 19	SE 15	SE 18	SE 18	SE 19	SE 19	SE 22	SE 18	SE 18	SE 18	SE 20	SE 21
7	SW 17	SW 15	SW 16	SW 13	SW 14	SW 11	SW 9	W 7	NW 7	NW 5	NW 6	NW 7	NW 8
8	SE 4	SE 6	SE 6	SE 8	SE 10	SE 11	SE 11	SE 14	SE 19	SE 19	SE 18	SE 16	SE 13
9	SE 10	SE 13	SE 11	SE 7	S 6	S 8	SE 6	SW 3	SW 4	SW 2	SW 5	SW 3	NW 4
10	NE 5	S 3	NE 4	NE 5	NE 4	E 4	SE 4	SE 5	SE 5	SE 7	SE 7	SE 6	SE 6
11	SE 9	SE 9	SE 5	SE 5	SE 5	S 6	SE 6	SE 6	SE 6	SE 3	SE 5	E 5	E 2
12	NW 4	NW 6	W 6	W 4	W 2	W 2	SW 3	SW 5	SW 4	SW 4	SW 5	SW 5	S 4
13	S 2	S 2	S 3	S 4	S 4	S 5	SE 5	S 7	SE 6	S 5	S 7	S 6	S 6
14	SW 11	S 12	SW 10	S 14	S 12	S 12	S 12	S 14	S 14	S 14	S 15	SE 16	SE 16
15	E 11	E 12	E 10	E 10	E 9	E 10	E 9	E 13	S 10	S 11	SE 9	S 7	S 5
16	NW 6	NW 5	N 5	NW 7	NW 5	NW 7	NW 6	NE 6	NE 10	NE 15	NE 15	NE 14	NE 16
17	NE 12	NE 13	NE 11	N 13	NE 12	NE 14	NW 11	NE 10	NE 10	NE 6	NE 5	NE 4	NE 5
18	SW 4	SW 5	NE 2	NW 3	NW 5	NW 6	NW 9	NW 7	NW 8	NW 9	NW 10	NW 8	NW 9
19	SE 6	SE 7	SE 8	SE 10	SE 13	SE 14	SE 14	SE 16	SE 15	SE 14	SE 13	S 11	S 9
20	SE 3	SE 4	SE 3	SE 6	SE 6	SE 7	SE 8	SE 9	SE 8	SE 9	S 8	SE 9	SE 11
21	S 10	SE 11	S 12	S 13	SE 12	S 11	S 10	S 9	S 10	S 10	SW 11	SW 12	SW 14
22	W 3	W 3	W 3	W 2	W 3	NW 2	NW 2	N 2	NW 2	0	N 2	NE 2	NE 2
23	NE 4	NE 6	NE 2	NE 4	E 4	NE 7	NE 4	SE 4	E 5	E 6	SE 5	SE 6	SE 7
24	SW 13	SW 9	SW 7	SW 7	SW 8	SE 7	E 7	SE 7	SE 8	SE 11	SE 13	SE 16	SE 14
25	NW 2	SE 3	E 5	E 5	E 3	E 4	E 6	E 7	E 7	E 5	E 6	E 5	E 6
26	SE 9	SE 8	E 10	E 9	E 10	E 6	E 5	SE 10	E 14	E 13	E 10	E 12	E 10
27	0	0	0	0	S 2	S 2	NE 4	NE 2	0	SW 2	SW 3	S 3	S 3
28	SW 4	SW 4	SW 2	S 2	S 2	SW 3	NW 2	SW 3	NW 2	NW 3	NW 5	NW 5	NW 6
29	SW 6	S 7	S 7	S 9	SE 9	S 10	S 9	E 4	E 8	SW 10	SW 10	SW 8	SW 8
30	NW 8	SW 11	SW 10	W 8	W 9	W 10	W 10	W 8	W 10	SW 11	SW 9	SW 7	W 7
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Mean velocity	8.2	8.7	8.0	8.2	8.7	9.2	9.0	9.0	9.7	9.7	9.7	9.4	8.9

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity	
														Dir.	Vel.
Day															
1	SE 12	SE 12	SE 13	SE 15	SE 15	SE 15	SE 15	SE 16	SE 15	SE 13	SE 13	SE	13.4	SE	27
2	NE 12	SE 9	NE 6	SE 8	S 6	SW 7	SW 9	S 14	S 14	SE 13	S 16	NE	14.3	NE	32
3	SE 10	SE 14	SE 17	SE 16	SE 18	SE 16	SE 14	SE 18	SE 16	SE 16	SE 17	SE	14.2	SE	20
4	E 10	E 11	E 15	SE 15	SE 14	SE 10	SE 10	SE 11	SE 14	SE 14	SE 13	SE;	13.5	SE	27
5	SE 8	SE 13	SE 17	SE 16	SE 14	SE 15	SE 14	SE 12	SE 12	SE 12	SE 10	SE	13.1	SE	20
6	SE 18	SE 18	SW 17	SW 16	SW 20	SW 19	SW 17	SW 18	SW 20	SW 17	SW 11	SE	17.9	SE	25
7	N 6	N 8	N 8	NW 5	NW 4	NW 2	N 6	N 7	NE 4	NE 3	NW 7	NW	8.1	SW	22
8	SE 12	SE 10	SE 9	SE 8	SE 7	SE 10	SE 15	SE 13	SE 15	SE 11	SE 8	SE	11.4	SE	20
9	NW 6	NW 6	NW 4	NW 3	N 6	NW 6	NW 5	N 6	NE 7	NE 6	N 7	NW	6.0	SE	14
10	SE 9	SE 18	SE 19	SE 19	SE 18	SE 17	SE 13	SE 12	SE 10	E 11	SE 11	SE	9.2	SE	23
11	SW 2	0	S 5	S 4	S 6	NE 3	SW 5	SW 4	W 5	W 4	W 3	SE	4.7	SE	10
12	S 3	0	S 2	SW 3	SW 3	S 3	S 4	SE 3	S 2	S 2	S 3	SW, S	3.4	W	6
13	S 9	S 12	S 12	S 10	S 8	S 11	S 12	SW 11	SW 12	SW 13	SW 12	S	7.7	S	13
14	SE 13	SE 13	SE 10	SE 7	E 8	E 9	E 8	E 12	E 10	E 11	E 11	S	11.8	SE	19
15	SE 7	S 6	S 7	S 5	S 8	SW 8	SW 2	NW 4	NW 4	NW 7	NW 6	E, S	7.9	E	15
16	N 16	N 24	NE 24	NE 24	N 23	N 21	NE 18	NE 12	NE 11	NE 13	NE 14	NE	13.2	N	28
17	NE 9	NE 8	NE 7	SE 7	S 5	S 4	S 8	S 9	SE 7	SE 5	SE 6	NE	8.4	N	15
18	NW 6	NW 6	NW 3	NW 3	SW 3	S 3	SE 4	SE 3	S 3	SE 4	SE 4	NW	5.3	N	11
19	S 12	SE 14	SE 14	SE 13	SE 11	SE 8	SE 2	0	0	E 2	E 2	SE	9.5	NW	17
20	SE 11	SE 13	SE 12	SE 11	SE 10	SE 9	SE 10	SE 11	SE 8	S 5	SW 6	SE	8.2	SE	16
21	S 9	S 5	S 5	S 4	SW 5	SW 5	SW 4	SW 4	SW 4	SW 4	SW 3	S	8.2	S	16
22	0	0	0	NE 2	0	NE 2	0	NE 2	NE 3	NE 7	NE 5	NE	2.0	NE	8
23	SE 7	SE 7	SE 8	S 8	SW 7	SW 10	SW 15	SW 16	SW 13	SW 17	SW 15	SE, SW	7.8	SW	18
24	SE 11	SE 13	SE 11	SE 8	SE 5	SE 4	SE 5	SE 5	E 4	NE 5	NE 4	SE	8.4	SE	17
25	E 7	E 8	E 10	E 10	SE 11	E 11	E 11	E 9	SE 12	E 6	SE 7	E	6.9	E	15
26	SE 11	E 7	S 7	S 8	S 8	SW 6	SW 6	S 7	S 6	S 6	S 5	E	8.5	E	17
27	S 2	W 2	W 3	W 5	S 4	W 5	W 4	W 5	W 4	W 5	W 5	W	2.7	W	5
28	NW 7	NW 6	NW 9	NW 8	NW 11	NW 9	NW 7	NW 9	NW 8	NW 5	SW 5	NW	5.3	NW	13
29	W 6	W 5	W 2	W 6	NW 7	NW 6	NW 7	NW 9	W 8	W 8	W 10	W	7.5	SW	13
30	W 7	W 8	W 9	SW 9	SW 8	S 10	SW 7	SW 5	W 5	SW 3	SW 3	SW, W	8.0	S	13
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	------	------	------
Mean velocity	8.6	9.2	9.5	9.2	9.1	8.8	8.6	8.9	8.5	8.3	8.1	------	8.9	------	17.2

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

JULY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 2	S 2	NE 2	N 2	0	NE 2	NE 2	NE 2	NE 3	NE 2	NE 2	N 2	SE 2
2	SE 6	SE 7	SE 7	SE 6	SE 7	SE 4	S 4	SE 5	SW 4	SW 5	SW 5	S 4	S 3
3	SW 4	SW 3	SW 2	SW 3	SW 3	SW 3	SW 4	SW 2	SW 3	NW 3	NW 2	0	NE 2
4	S 8	SE 8	SE 8	SE 11	SE 9	SE 10	SE 11	SE 11	SE 9	SE 7	SE 10	SE 8	SE 4
5	NW 3	NW 3	S 2	NW 2	S 3	S 3	S 4	S 2	S 4	SE 4	SE 5	SE 3	SE 3
6	W 4	W 6	SW 4	SW 4	SW 3	NW 5	SW 4	SW 4	SW 5	SW 3	SW 5	W 3	W 2
7	NW 4	NW 3	NW 5	NW 4	NW 4	NW 3	NW 4	NW 2	NW 3	NW 4	NW 4	NW 5	NW 3
8	0	SE 2	SE 2	SE 2	SE 4	SE 4	SE 4	SW 2	SW 3	S 3	S 3	S 4	S 6
9	SE 8	SE 9	SE 10	SE 12	SE 11	SE 12	SE 10	SE 10	SE 13	SE 10	SE 12	SE 12	SE 12
10	SW 9	S 6	S 6	SW 5	SW 4	SW 4	SW 7	SW 7	SW 7	SW 6	SW 5	SW 3	SW 5
11	NW 7	NW 7	NW 6	NW 7	NW 7	NW 8	NW 8	NW 7	NW 8	NW 7	NW 8	NW 7	NW 6
12	W 5	W 3	SW 5	SW 5	SW 3	SW 5	SW 5	SW 4	SW 4	SW 3	SW 5	W 3	SW 6
13	N 3	N 4	N 4	N 3	N 3	W 4	NW 4	W 4	NW 3	NW 3	NW 3	NW 2	NW 4
14	S 2	S 2	S 3	S 4	S 4	S 5	SE 6	SE 7	SE 8	SE 10	SE 9	SE 9	SE 9
15	SE 11	SE 11	S 11	S 9	S 8	S 8	S 8	S 8	S 6	S 8	S 7	SE 8	S 8
16	SE 10	S 11	S 10	S 11	S 10	S 11	S 12	S 13	S 14	S 12	S 11	S 11	SW 13
17	N 5	N 6	NW 6	NW 8	NW 10	NW 8	NW 12	NW 10	NW 12	NW 11	NW 11	NW 9	NW 9
18	S 17	S 9	S 10	S 17	S 12	S 10	S 12	SW 13	SW 13	SW 12	SW 12	SW 12	W 13
19	NW 17	NW 13	NW 14	N 14	N 14	N 16	NW 8	NW 11	NW 12	N 13	N 13	N 14	N 15
20	N 11	N 11	N 10	N 17	NW 16	N 15	N 17	NW 19	NW 17	NW 16	NW 16	NW 14	NW 14
21	NW 3	NW 5	NW 4	NW 5	NW 6	NW 7	NW 7	NW 6	NW 6	NW 6	NW 7	NW 8	NW 6
22	N 2	SE 3	S 4	S 3	S 6	S 7	S 9	S 13	S 14	S 15	S 15	S 14	SE 14
23	SW 6	SW 6	SW 4	SW 4	SW 6	SW 3	W 4	NW 4	NW 4	NW 5	NW 5	NW 4	NW 5
24	SE 6	E 6	S 6	SE 9	SE 9	SE 10	SE 10	SE 10	SE 12	SE 12	SE 14	SE 15	SE 19
25	SE 25	SE 22	SE 24	SE 26	SE 24	SE 23	SE 20	SE 18	SE 18	SE 18	SE 18	SE 18	SE 18
26	SE 13	SE 14	SE 15	SE 16	SE 16	SE 15	SE 17	S 17	SE 17	S 17	SE 17	SE 16	SE 16
27	SE 18	SE 18	SE 18	SE 17	SE 18	SE 18	SE 17	SE 17	SE 15	SE 15	SE 14	SE 15	SE 17
28	S 17	S 13	S 12	S 12	S 15	S 13	S 12	S 13	S 11	S 9	S 9	S 9	S 10
29	S 5	SW 5	S 5	S 5	S 9	S 6	S 7	S 6	S 4	S 4	S 3	S 6	S 9
30	SW 5	SW 5	SW 6	SW 7	SW 5	SW 4	SW 5	SW 3	SW 4	SW 4	SW 4	SW 4	S 3
31	NW 3	N 4	NW 4	NW 3	NW 2	N 2	N 3	NW 2	E 2	NE 3	NE 2	NE 2	SW 3
Prevailing direction	SE	SE	S	SE	SE, S	SE, S	SE, S	NW	NW	NW	SE, NW	SE	SE
Mean velocity	7.7	7.3	7.4	8.2	8.1	8.0	8.3	8.1	8.3	8.1	8.2	7.9	8.4

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity Dir.	Maximum velocity Vel.
Day															
1	SE 2	SE 2	SE 4	SE	SE	SE	SE	SE	SE	SE 4	SE 6	SE	2.4	SE	7
2	SE 3	SW 3	SW 3	SW 4	SW 3	SW 4	SW 4	SW 2	SW 2	SW 2	SW 3	SW	4.2	SE	8
3	SW 3	SE 3	SE 2	SE 4	S 3	SE 4	SE 4	S 5	SE 7	SE 6	S 7	SW	3.4	S	8
4	S 6	S 6	S 4	S 4	S 3	S 7	S 7	S 5	S 3	S 2	S 2	S, SE	6.8	SE	12
5	SE 2	SE 3	SE 3	E 2	SW 2	SW 4	SW 5	SW 5	SW 4	SW 5	SW 5	SE, SW	3.4	SE	6
6	W 2	SW 2	SW 3	SW 2	SW 2	SW 2	SW 3	SW 2	SW 3	W 4	W 3	SW	3.3	S	5
7	NW 2	NW 3	NW 2	NW 2	NW 2	N 2	NW 2	W 2	SW 4	SW 3	E 2	NW	3.1	SW	5
8	SE 3	SE 3	SE 4	SE 4	SE 4	SE 6	SE 3	SE 5	SE 6	SE 6	SE 6	SE	3.8	NW	9
9	SE 11	S 10	S 9	S 9	S 11	S 12	S 9	S 8	SW 10	S 8	S 8	SE	10.2	SE	23
10	SW 6	W 4	W 4	NW 3	NW 4	NW 5	NW 6	NW 6	NW 6	NW 8	NW 6	SW	5.5	SE	11
11	NW 6	NW 5	NW 5	W 6	SW 5	NW 4	NW 4	W 4	W 3	W 5	W 2	NW	5.9	SW	9
12	SW 6	SW 7	SW 6	SW 5	SW 6	SW 4	SW 5	SW 5	SW 5	SW 3	N 4	SW	4.7	NW	7
13	NW 3	NW 2	NW 3	NW 2	NW 3	NW 2	NW 2	NW 2	0	0	SE 2	NW	2.7	SW	5
14	SE 10	SE 8	SE 9	SE 11	SE 11	SE 12	SE 11	SE 12	SE 10	SE 13	SE 12	SE	8.2	W	14
15	SE 8	SE 10	SE 9	SE 10	SE 9	SE 10	SE 12	SE 10	SE 10	SE 11	SE 10	SE	9.2	SE	15
16	SW 11	SW 10	SW 9	SW 9	SW 7	SW 8	SW 8	SW 6	SW 7	SW 7	SW 4	SW	9.8	SE	14
17	N 10	NW 8	SW 5	E 5	E 6	SE 5	SE 9	SE 8	SE 13	S 12	SE 13	NW	8.8	S	17
18	W 13	W 14	NW 14	NW 14	NW 16	NW 16	NW 17	NW 17	NW 17	NW 17	NW 17	NW	13.9	SE	18
19	N 17	N 17	N 19	N 19	N 17	N 17	N 16	N 11	N 8	N 5	NW 8	N	13.7	NW	22
20	NW 13	NW 13	NW 12	NW 9	NW 7	NW 6	W 5	W 6	W 5	NW 3	NW 6	NW	11.6	N	22
21	N 7	N 8	NW 7	NW 5	N 3	NW 6	W 4	N 3	NW 3	0	E 2	NW	5.2	NW	9
22	SE 16	SE 16	SE 16	SE 16	SE 14	SE 14	SE 16	SE 14	S 13	S 9	S 8	S	11.3	NW	18
23	NW 6	NW 4	NW 4	NW 4	NW 5	NW 4	0	NW 2	SE 3	SE 5	SE 4	NW	4.2	SE	8
24	SE 23	SE 24	SE 25	SE 25	SE 26	SE 25	SE 24	SE 26	SE 26	SE 25	SE 26	SE	17.2	SW	27
25	S 17	SE 16	SE 17	SE 16	SE 16	SE 16	S 17	SE 17	SE 17	SE 16	S 14	SE	18.8	SE	28
26	SE 16	SE 16	SE 15	SE 16	SE 15	SE 18	SE 17	SE 17	SE 17	SE 17	SE 17	SE	16.1	SE	19
27	SE 15	SE 16	S 17	S 17	SE 17	S 17	S 16	S 16	S 17	S 17	S 17	SE	16.6	SE	21
28	S 9	S 8	S 9	S 7	S 7	S 6	S 7	S 6	S 4	S 7	S 5	S	9.6	SE	18
29	S 8	S 10	S 9	S 10	S 8	S 8	S 5	S 6	S 6	S 6	S 5	S	6.5	S	11
30	SW 4	SW 4	SW 4	SW 4	SW 4	SW 4	SW 3	W 3	NW 2	NW 3	NW 3	SW	4.0	S	7
31	E 2	E 3	E 2	SE 4	SE 4	SE 4	S 4	SE 6	SE 8	S 8	S 6	NW, SE	3.6	SW	9
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE, S	SE		SE	
Mean velocity	8.4	8.3	8.2	8.0	7.7	8.1	7.9	7.6	7.7	7.7	7.5		8.0		13.3

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

AUGUST 1934

[The direction given is that from which the wind blows. Velocities are given in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	S 9	S 8	S 4	S 4	SW 5	SW 6	SW 9	SW 8	SW 6	SW 4	NW 5	W 7	SW 5
2	NE 8	NW 7	NW 7	N 6	NE 5	NE 5	SE 6	SE 7	SE 8	SE 9	SE 5	SE 6	SE 9
3	NE 12	E 11	SE 6	SE 7	SE 8	SE 9	SE 8	SE 9	SE 7	S 7	S 7	S 9	SE 11
4	E 3	S 4	SW 6	SW 4	SW 5	SW 2	SW 4	SW 4	SW 6	SW 6	SW 6	W 6	SW 3
5	NE 5	NE 8	NE 9	E 9	NE 12	NE 12	NE 10	NE 9	SE 6	SE 6	SE 7	SE 8	E 6
6	S 6	S 5	S 6	S 10	S 9	S 6	S 7	S 5	SW 6	SW 5	SW 6	SW 5	SW 6
7	E 5	E 7	E 5	E 6	E 7	S 6	S 6	S 2	S 5	S 6	S 5	S 5	S 6
8	(NW) 6	(NW) 6	(N) 6	(N) 6	(N) 7	N 8	NE 7	NE 7	NE 8	NE 6	NE 7	NE 7	NE 6
9	E 2	E 3	E 4	E 4	E 5	E 5	E 6	E 6	SE 6	SE 7	SE 7	SE 6	E 7
10	SE 7	SE 6	SE 6	SE 6	SE 7	SE 6	S 6	SE 7	SE 7	SE 7	SE 5	SE 5	SE 6
11	S 8	(S) 8	(S) 7	(S) 6	(SW) 7	(SW) 6	(SW) 7	SW 7	SW 7	SW 8	SW 11	SW 10	SW 10
12	S 6	E 2	W 4	(SW) 2	S 3	S 3	S 3	S 2	S 3	S 2	S 2	S 2	S 2
13	SW 6	SW 6	SW 8	SW 6	SW 6	SW 6	SW 4	SW 4	SW 5	SW 4	SW 5	SW 4	NW 4
14	NW 5	NW 5	NW 5	NW 6	NW 6	NW 6	NW 7	NW 9	NW 9	NW 12	NW 12	NW 11	NW 10
15	W 4	NW 4	W 3	NW 4	NW 4	W 3	W 3	W 2	W 3	NW 2	SE 2	SW 2	S 2
16	SE 9	SE 11	SE 12	SE 13	SE 13	SE 16	SE 17	SE 18	SE 20	SE 19	SE 17	SE 17	SE 17
17	S 12	S 10	SE 7	SW 5	S 9	SW 6	W 7	W 9	NW 10	NW 9	NW 11	NW 12	NW 14
18	NW 8	NW 7	NW 7	NW 8	NW 11	NW 11	NW 10	NW 10	NW 10	NW 8	NW 10	NW 10	NW 10
19	N 9	N 7	N 6	N 7	NE 7	NE 7	NE 8	NE 8	NE 9	NE 10	NE 11	NE 8	E 10
20	S 7	S 8	S 7	S 7	S 7	S 7	SW 6	SW 6	SW 7	SW 5	SW 5	SW 5	NW 5
21	NW 5	NW 6	NW 4	NW 4	NW 5	NW 4	NE 4	NE 4	NE 2	NE 5	NE 3	NE 5	NE 7
22	NE 10	NE 8	N 6	N 5	N 3	E 6	E 8	E 8	E 7	E 6	E 8	E 5	E 6
23	SE 2	SE 2	SE 2	SW 2	SW 3	0	S 2	S 4	E 3	W 2	W 5	W 5	SW 5
24	NW 3	NW 2	W 2	NW 2	NW 2	N 2	NE 3	NE 2	NE 2	0	NE 2	E 2	S 3
25	SE 7	SE 7	S 6	SE 8	SE 10	SE 11	S 11	S 10	S 9	S 8	SW 8	SW 6	SW 8
26	(SE)	(SE)	(SE)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(SW)	SW 5
27	SE 6	SE 6	SE 7	SE 8	SE 8	SE 8	SE 9	SE 5	S 4	SW 7	S 3	S 3	N 5
28	N 14	NE 18	N 31	N 31	NW 29	NW 29	NW 26	NE 16	NE 10	NE 7	NE 6	NE 6	NE 7
29	N 6	N 4	N 5	N 4	NE 3	NE 5	N 4	N 6	N 6	N 4	N 6	N 6	N 5
30	NE 5	NE 6	NE 5	NE 3	N 4	N 4	N 3	N 3	NE 3	N 3	S 3	E 3	N 4
31	SE 3	SE 3	SE 4	S 7	S 6	S 5	S 5	S 5	SW 7	SW 7	S 5	S 6	S 6
Prevailing direction	SE	NW, SE	SE	S	NW, S	S	S	NE, SE, SW, S	SW	SW	S	SW	SW
Mean velocity	6.6	6.5	6.6	6.7	7.2	7.0	7.2	6.7	6.7	6.4	6.5	6.4	6.8

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity	
														Dir.	Vel.
Day															
1	NW 5	NW 8	NW 9	NW 10	NW 9	NW 9	NW 13	NW 14	N 10	NE 13	NE 9	NW	7.9	NW	15
2	SE 7	SE 8	SE 6	SE 4	SE 4	E 5	NE 5	E 6	E 10	SE 13	NE 9	SE	6.9	NE	14
3	SE 6	NE 6	NW 6	W 4	S 6	SE 6	E 3	E 3	NE 5	NE 4	SW 4	SE	6.8	NE	15
4	NW 4	NW 4	NW 6	SE 4	NE 4	SE 5	SE 4	E 6	NE 3	NE 5	NE 6	SW	4.6	NE	8
5	E 13	SE 12	SE 10	SE 9	SE 8	SE 10	SE 7	SE 8	S 7	S 4	S 10	SE	8.5	NE	14
6	SW 4	SW 4	SW 4	SW 3	SW 4	W 3	W 5	W 3	W 3	SE 4	SE 4	SW	5.1	S	11
7	SW 6	W 5	N 6	NW 3	0	NW 2	NW 3	NW 4	NW 5	NW 3	(NW) 5	S	4.7	E	9
8	NE 7	NW 7	NE 6	N 6	N 6	N 7	N 7	N 7	N 6	N 5	N 3	N	6.4	NE	9
9	E 10	SE 8	E 7	SE 6	SE 6	E 6	S 6	SE 5	SE 6	SE 5	SE 6	E	5.8	NE	11
10	SE 7	S 7	SE 7	SE 6	E 6	SE 6	SE 8	S 5	S 5	S 5	S 6	SE	6.2	SE	8
11	SW 11	SW 8	SW 12	SW 10	S 8	S 7	S 7	S 7	S 6	SE 6	SE 5	SW	7.9	SW	12
12	S 2	S 2	S 3	S 4	S 4	S 3	S 3	S 3	SW 4	SW 5	SW 4	S	3.0	SW	5
13	SW 5	SW 6	W 5	W 6	W 6	W 7	W 5	SW 6	SW 6	W 5	W 4	SW	5.4	SW	7
14	NW 13	NW 11	NW 11	NW 7	NW 6	NW 8	NW 6	W 5	W 5	NW 5	W 5	NW	7.7	NW	14
15	SE 3	SE 3	SE 4	SE 5	SE 5	SE 6	SE 6	SE 7	SE 8	SE 9	SE 10	SE	4.3	SE	11
16	SE 22	S 19	S 20	SE 20	S 19	SE 17	SE 18	S 15	S 16	S 16	S 12	SE	10.4	S	23
17	NW 14	NW 15	NW 15	NW 14	NW 11	NW 8	NW 9	NW 10	NW 8	NW 10	NW 7	NW	10.1	NW	17
18	NW 10	NW 7	NW 10	NW 8	NW 8	NE 7	NE 8	NE 9	NE 10	N 12	N 11	NW	9.2	N	13
19	E 11	E 12	E 12	E 10	E 11	E 10	SE 10	SE 8	S 8	SE 9	S 11	NE	9.1	E	13
20	NW 6	NW 7	NW 7	NW 6	NW 7	NW 5	NW 4	NW 6	NW 4	NW 3	NW 4	NW	5.9	S	9
21	N 6	N 8	E 7	E 9	E 9	NE 9	NE 8	NE 8	NE 7	NE 8	NE 9	NE	6.1	NE	11
22	E 4	E 5	E 4	E 4	E 3	E 3	E 2	S 3	SW 3	SW 3	(S) 2	E	5.1	NE	11
23	0	SE 2	NW 4	NW 4	NW 3	NW 3	NW 4	NW 4	NW 3	NW 2	NW 3	NW	2.9	W	5
24	SE 4	SE 4	SE 4	SE 4	SE 6	SE 5	SE 4	SE 7	SE 6	SE 7	SE 6	SE	3.5	SE	8
25	SW 7	S 3	E 5	E 5	SE 6	SE 8	SE 12	(SE)	(SE)	(SE)	(SE)	SE	7.8	SE	15
26	SW 4	SW 6	SW 4	SW 5	W 6	W 5	SW 6	SW 4	SW 5	S 5	S 6	S	----	----	----
27	N 6	N 9	N 12	NW 10	NE 6	NE 9	NE 7	E 8	NE 10	NE 11	NE 7	SE	7.3	N	14
28	NE 7	NE 6	NE 6	NE 6	NE 4	NE 3	W 3	N 4	N 4	NW 7	N 7	NE	12.0	N	38
29	N 4	N 4	N 3	SE 4	SE 3	E 2	NE 4	NE 3	NE 4	NE 3	NE 3	N	4.2	N	7
30	NE 4	NE 2	NE 3	N 3	NE 3	NE 2	NE 2	SE 4	SE 4	E 4	E 3	NE	3.5	NE	6
31	S 5	S 4	N 4	N 5	N 5	N 4	N 4	N 6	----	----	----	S	5.0	SW	9
Prevailing direction	SW, NW	NW	NW	SE	SE	SE	SE	SE	NE	SE	SE, NE, S.	SE	----	----	----
Mean velocity	7.0	6.8	7.2	6.6	6.2	6.1	6.2	6.3	6.2	6.6	6.2	----	----	6.6	11.6

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

SEPTEMBER 1934

[The direction given is that from which the wind blows. Velocities are given in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1													W 4
2	W 2	SW 2	NW 2	N 2	NW 3	NE 4	NE 5	NE 8	NE 9	NE 7	E 7	E 11	E 11
3	S 15	S 14	S 13	S 10	S 9	S 10	SE 8	SE 5	S 6	SE 7	SE 6	S 6	S 7
4	SW 5	S 5	W 4	W 4	W 5	NW 5	NW 5	NW 5	NW 4	N 4	N 7	NW 10	NW 13
5	N 20	N 21	N 20	N 19	NE 14	NE 12	NE 10	NE 12	NE 12	NE 7	NE 4	SE 6	SE 4
6	W 6	NW 4	NW 4	NW 6	NW 5	NW 6	NW 11	NW 9	NW 4	NW 8	NW 7	NW 8	NW 9
7	0	SW 2	W 2	W 3	SW 2	SW 3	SW 5	SW 4	SW 5	SW 5	SW 4	SW 4	W 5
8	NW 4	NW 3	NW 5	N 3	N 4	N 6	NW 6	NW 6	NW 7	NW 7	NW 9	NW 7	NW 7
9	NE 3	NE 3	N 3	SE 5	SE 3	SE 5	SE 6	SE 7	SE 8	SE 9	SE 10	SE 10	SE 10
10	S 14	S 13	SW 10	SW 8	SW 9	SW 10	SW 7	W 6	W 6	W 6	W 6	W 6	NW 5
11	NE 4	N 5	NE 4	NE 5	E 4	E 5	SE 6	E 6	SE 8	SE 9	SE 10	SE 8	SE 7
12	S 4	S 6	S 6	S 7	S 4	S 4	S 5	SW 2	SW 3	S 4	S 3	0	SW 2
13	NE 2	SE 2	S 3	S 4	S 4	SE 4	SE 4	SE 5	SE 4	S 3	S 3	S 4	SE 4
14	S 3	S 4	S 5	S 4	S 5	S 4	S 5	S 4	S 4	S 2	S 4	S 2	N 3
15	E 5	E 3	SE 3	NE 2	SE 2	NE 2	SE 4	SE 4	E 3	E 3	E 3	SE 3	E 5
16	E 9	E 8	E 8	E 8	SE 9	SE 9	SE 10	SE 10	SE 9	SE 7	E 7	S 7	S 9
17	SW 4	S 4	SW 4	S 4	W 3	W 3	NW 3	0	NW 2	NW 6	NW 7	NW 5	NW 6
18	NW 17	N 14	N 13	N 13	N 12	N 10	NE 8	NE 8	NE 6	NE 6	NE 6	NE 6	NE 7
19	E 5	NE 4	E 3	NE 4	NE 7	NE 6	NE 7	NE 6	NE 5	NE 6	NE 6	NE 5	NE 16
20	E 14	N 23	N 22	N 23	N 24	N 22	(NE) 19	E 18	E 18	E 17	E 17	E 17	E 13
21	E 21	E 18	E 17	SE 18	SE 18	SE 18	SE 16	SE 17	SE 17	SE 17	E 17	E 16	E 5
22	SE 6	SE 7	SE 4	SE 3	SW 6	SW 5	S 6	S 5	SW 5	SW 5	SW 4	SW 4	SW 7
23	NW 17	NW 17	NW 17	NW 16	NW 15	NW 14	NW 13	NW 11	NW 8	N 6	N 6	N 6	N 6
24	W 3	W 6	W 7	S 8	S 7	S 7	S 7	SW 7	SW 6	SW 6	SW 5	SW 5	W 7
25	N 5	NE 5	N 5	N 5	N 5	N 2	N 2	S 3	S 5	S 5	SW 6	SW 6	SW 3
26	W 6	W 8	W 7	W 6	NW 6	W 8	W 5	NW 5	W 6	SW 4	SW 4	SW 3	SW 13
27	W 8	W 9	W 9	W 9	W 8	W 6	W 8	W 8	NW 8	W 6	W 8	W 9	NW 13
28	NW 24	N 23	N 19	N 19	N 19	N 17	NW 16	NW 17	N 17	NW 17	NW 17	NW 13	W 11
29	NW 14	NW 13	NW 14	NW 15	NW 13	NW 11	NW 10	NW 11	NW 8	NW 9	NW 7	NW 7	NW 28
30	N 7	N 8	N 10	N 8	N 7	N 8	N 9	N 13	N 12	N 12	N 16	N 22	NW
Prevailing direction	E, NW, W	N, S	N	N	N	N	SE, NW	NW	NW	SE, NW	E, SW, NW	NW	NW
Mean velocity	8.5	8.8	8.4	8.3	8.0	7.8	7.8	7.7	7.4	7.2	7.4	7.4	8.1

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity Dir.	Maximum velocity Vel.
Day															
1	SW 3	SW 4	SW 4	W 3	SW 2	SE 3	SW 4	SW 4	SW 3	SW 4	SW 2	SW			14
2	E 8	E 7	SE 8	SE 7	SE 7	SE 9	SE 12	SE 13	S 12	S 10	S 12	SE	7.4	S	16
3	SE 5	SE 2	SW 5	SW 8	SW 3	SW 5	SW 5	SW 3	S 4	S 4	SW 5	S	6.9	S	26
4	NW 17	NW 18	NW 19	NW 19	NW 22	NW 20	NW 17	NW 16	NW 12	N 17	N 21	NW	11.4	N	22
5	SE 4	SE 3	E 3	SW 3	E 5	SW 6	SW 9	SW 7	S 2	S 3	W 5	NE	8.8	N	12
6	NW 7	NW 6	NW 3	NW 2	NW 4	NW 6	W 3	W 3	N 2	W 2	W 2	NW	5.3	NW	6
7	W 5	NW 4	NW 4	NW 5	NW 5	NW 3	NW 4	NW 3	NW 4	NW 3	NW 3	NW	3.6	NW	11
8	NW 7	NW 6	NW 6	NW 6	NW 6	NW 5	NW 4	NW 5	SW 2	NW 2	N 2	NW	5.2	NW	17
9	SE 13	SE 13	SE 12	SE 14	SE 14	SE 15	S 16	S 16	S 16	SW 16	SW 14	SE	10.0	SE	15
10	NW 6	NW 7	NW 9	NW 10	NW 10	NW 9	NW 6	NW 6	NW 5	N 7	N 4	NW	7.7	S	12
11	SE 10	SE 10	SE 10	SE 11	SE 11	SE 10	SE 10	SE 10	S 9	S 9	S 8	SE	7.9	SE	8
12	0	SW 2	SW 2	SW 2	SW 2	S 2	0	0	S 2	NE 2	NE 2	S	2.8	S	7
13	(S) 3	(S) 3	(S) 4	(S) 4	(SW) 4	SW 4	S 5	S 4	S 3	S 3	S 4	S	3.6	S	5
14	N 2	NE 4	NE 4	NE 3	NE 2	E 4	E 5	E 3	SE 5	SE 5	E 4	S	3.8	S	11
15	E 5	E 5	E 5	E 6	E 6	E 7	E 6	E 7	E 6	E 8	E 9	E	4.6	E	11
16	S 6	S 5	S 5	S 6	S 7	S 7	S 7	S 6	SW 6	SW 4	S 3	S	7.0	SE	18
17	NW 12	NW 13	NW 14	NW 16	NW 15	NW 14	NW 15	NW 16	NW 16	NW 17	NW 16	NW	9.1	NW	18
18	NE 7	NE 7	NE 7	NE 6	NE 6	NE 5	NE 5	NE 3	NW 6	NE 3	NE 4	NE	7.7	NW	10
19	NE 8	NE 8	NE 8	NE 10	NE 10	NE 9	NE 9	NE 7	NE 6	NE 7	NE 9	NE	6.8	NE	25
20	E 17	E 18	E 19	E 19	E 18	E 19	E 19	E 20	E 19	E 20	E 21	E	19.1	N	22
21	E 10	E 9	E 11	E 9	E 4	SE 6	SE 6	SE 5	SE 6	SE 7	SE 7	SE	12.6	E	17
22	SW 3	W 5	W 3	W 6	NW 7	NW 9	NW 9	NW 11	NW 12	NW 15	NW 17	SW	6.8	NW	19
23	NE 9	NE 8	NE 9	N 9	N 8	N 7	NW 6	N 6	W 8	W 8	W 7	NW	9.9	NW	9
24	W 6	W 6	W 8	W 9	NW 9	W 5	N 5	N 6	N 5	N 4	N 4	W	6.1	W	17
25	SW 8	SW 7	SW 7	SW 8	SW 10	S 12	S 9	S 8	SW 11	SW 8	W 7	SW	6.5	SW	11
26	W 3	SW 6	SW 7	SW 8	SW 9	W 5	W 6	W 4	W 7	W 8	W 9	W	6.0	SW	23
27	W 10	W 11	W 11	W 12	W 15	NW 17	NW 20	NW 19	NW 21	NW 20	NW 20	W	11.9	NW	25
28	W 14	W 11	W 12	SW 11	N 13	SW 13	W 10	W 11	NW 10	NW 11	NW 10	NW	14.9	NW	16
29	W 9	NW 7	NW 7	NW 7	NW 5	N 5	N 4	NW 5	N 4	N 7	N 8	NW	8.8	NW	29
30	NW 28	NW 27	NW 26	NW 23	NW 18	NW 19	NW 18	NW 18	NW 17	NW 18	NW 17	N, NW	16.2	NW	
Prevailing direction	W, NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW			15.6
Mean velocity	8.2	8.1	8.4	8.7	8.6	8.7	8.5	8.2	8.0	8.4	8.5		8.1		

TABLE 34.—*Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base*—Continued

OCTOBER 1934

[The direction given is that from which the wind blows. Velocities given are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	NW 16	SW 16	SW 12	SW 13	W 10	W 11	W 9	SW 12	SW 9	SW 10	SW 8	SW 11	SW 7
2	S 5	S 5	S 7	S 7	S 6	S 6	S	S	S	S	S	S	S 14
3	SE 13	S 13	S 14	SE 15	SE 14	S 13	S 11	S 14	S 16	S 15	S 16	S 12	S 12
4	S 9	S 10	S 11	S 11	S 10	S 11	S 10	SE 11	S 10	S 12	S 11	SE 13	SE 12
5	SE 9	SE 9	S 11	S 12	S 12	S 11	S 13	SW 14	SW 15	SW 15	SW 15	SW 13	SE 15
6	E 19	E 17	NE 13	N 11	N 10	N 12	NW 14	W 16	W 16	NW 10	NW 20	NW 21	NW 26
7	NW 13	NW 13	N 7	NE 5	E 9	NE 9	NE 8	NE 8	NE 12	NE 9	NE 11	NE 15	E 17
8	SE 17	E 18	E 17	E 20	E 19	E 19	E 25	E 27	E 28	E 27	E 36	E 39	NE
9	NE 22	NE 18	NE 18	NE 19	NE 15	NE 14	N 18	NE 17	NE 17	NE 17	NE 17	NE 17	NE 17
10	N 10	N 11	N 12	NE 11	NE 13	NE 12	NE 12	NE 12	NE 12	NE 12	N 9	NE 7	NE 9
11	SE 18	SE 17	SE 16	SE 18	SE 19	SE 20	SE 20	SE 20	SE 20	SE 21	SE 19	SE 18	SE 18
12	SE 9	S 11	S 10	S 10	S 10	S 9	S 8	S 8	S 6	SW 7	SW 9	SW 6	SW 6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum Velocity	
														Dir.	Vel.
Day															
1	SW 6	SW 3	SW 4	SW 5	SW 5	SW 5	S 6	S 4	S 5	S 6	S 6	SW	8.3	NW	16
2	S 16	S 16	S 17	SE 16	SE 14	SE 17	SE 17	SE 17	SE 17	SE 17	SE 16	S	12.8	SE	17
3	S 13	S 11	S 13	S 11	S 13	S 9	S 9	S 9	S 8	S 11	S 10	S	12.3	S	17
4	SE 12	SE 12	SE 11	SE 11	SE 10	SE 10	SE 9	SE 11	S 11	SE 10	SE 10	SE	10.8	S	13
5	SE 17	SE 16	SE 17	SE 19	SE 21	SE 23	SE 26	SE 26	SE 23	E 27	E 23	SE	16.8	SE	29
6	NW 26	NW 26	NW 26	NW 25	NW 22	NW 21	NW 21	NW 17	NW 18	NW 16	NW 17	NW	18.7	NW	29
7	E 15	E 13	E 13	E 14	E 15	E 13	E 12	E 12	SE 12	SE 12	SE 15	E	11.8	NE	18
8	NE 34	NE 26	NE 16	NE 17	E 10	NE 11	NE 13	NE 15	NE 13	NE 19	NE 24	E	21.3	E	41
9	NE 17	NE 15	NE 16	NE 13	NE 14	NE 13	NE 14	NE 13	NE 14	NE 12	NE 10	NE	15.7	NE	25
10	NE 10	E 10	E 9	E 8	NE 8	SE 9	SE 10	SE 11	SE 13	SE 15	SE 16	NE	10.9	SE	17
11	SE 17	SE 14	SE 12	SE 10	SE 12	SE 12	SE 9	SE 8	S 9	SE 9	SE 8	SE	15.2	SE	23
12	SW 7														

TABLE 35.—*Relative humidity—hourly values, on board the "City of New York" in the Bay of Whales*

JANUARY 1929

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	84	78	74	76	75	75	71	68	65	74.0
2	71	75	76	76	77	79	81	85	74	77	74	78	80	80	78	75	74	69	69	69	67	64	66	68	74.3
3	63	69	69	70	65	66	70	74	79	81	83	76	75	74	72	69	66	64	59	63	67	63	64	52	68.9
4	62	60	66	72	75	74	79	73	76	75	78	75	75	77	77	77	75	76	70	72	70	71	65	66	72.3
5	66	64	63	64	62	63	67	70	73	77	76	80	79	79	78	77	77	75	76	75	70	64	60	57	70.5
6	54	54	49	53	56	62	67	71	75	72	77	75	74	76	76	76	70	71	72	73	79	81	95	89	70.7
7	89	91	89	88	90	91	92	91	84	82	82	67	61	66	79	85	83	83	85	93	95	95	93	93	85.3
8	92	93	93	92	92	92	87	86	85	83	81	82	81	79	80	85	86	87	85	90	91	95	96	88	87.5
9	92	90	89	83	72	73	68	69	72	79	78	83	83	82	80	79	79	79	76	78	81	72	72	73	78.4
10	78	75	71	71	73	85	93	95	97	98	99	100	100	100	100	99	98	99	99	97	97	89	90	90	91.4
11	90	91	92	93	91	92	93	94	94	93	93	92	92	92	91	91	90	91	91	91	88	91	90	89	91.5
12	87	91	92	91	93	96	95	95	90	82	81	90	90	87	82	82	83	82	79	81	81	82	80	80	86.3
13	80	80	78	79	79	78	77	77	75	74	77	68	67	72	77	77	68	71	67	67	73	73	70	72	74.0
14	77	77	84	------	------	------	------	------	------	------	------	------	77	73	77	79	80	73	63	75	80	82	88	88	78.2
15	96	87	89	99	100	90	89	89	87	85	82	74	67	67	67	65	76	82	84	89	90	89	92	92	84.5
16	87	86	87	90	92	90	91	88	83	87	84	83	82	81	83	81	83	85	85	90	90	87	89	85	86.2
17	87	85	85	88	88	87	88	88	81	81	60	55	51	48	49	57	67	79	83	85	85	83	87	88	76.5
18	88	86	84	86	86	87	87	86	87	87	88	90	91	90	91	90	90	89	90	89	88	88	88	89	88.1
19	89	90	90	88	88	88	88	88	88	88	87	87	87	82	85	86	87	86	84	84	83	85	84	86	86.6
20	90	92	92	92	92	92	92	91	91	91	91	91	91	91	91	91	91	92	95	98	100	100	100	96	93.0
21	97	95	96	96	96	96	95	93	93	93	85	83	92	84	94	96	100	99	100	100	100	96	97	96	94.7
22	96	95	95	90	75	75	83	82	81	70	75	65	60	65	70	73	71	84	84	94	89	93	93	95	81.4
23	95	92	95	95	87	82	83	87	84	85	87	88	87	86	87	88	90	90	90	92	90	88	88	85	88.4
24	85	84	79	79	78	63	57	59	55	67	77	79	75	74	72	72	75	71	67	68	67	65	72	80	71.7
25	84	87	89	89	82	90	91	87	80	59	64	71	90	99	90	76	89	94	93	95	96	95	89	83	85.9
26	92	98	99	96	94	90	91	93	87	80	68	62	65	66	74	78	77	79	82	82	92	97	100	97	85.0
27	93	96	89	84	78	77	71	62	54	60	69	70	75	72	65	70	70	75	78	79	84	85	86	88	76.3
28	82	94	------	------	------	------	------	------	------	------	------	82	75	75	73	77	78	78	82	95	94	80	100	100	84.3
29	100	100	100	100	90	79	81	80	80	80	76	84	93	90	87	91	90	86	85	90	88	93	90	92	88.5
30	91	92	93	92	91	91	92	93	93	87	79	70	72	68	69	69	76	78	80	85	88	90	90	89	84.1
31	87	83	81	81	82	81	82	83	83	78	78	77	74	75	73	71	75	80	86	76	89	93	94	91	81.4
Mean	84.7	85.1	84.6	84.9	83.0	82.5	83.2	83.2	81.5	80.4	79.6	78.5	78.7	78.3	78.9	79.5	80.4	81.3	81.1	83.5	84.7	83.9	85.0	83.9	82.1

FEBRUARY 1929

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	96	95	95	89	87	91	83	84	70	69	70	70	75	76	76	76	77	77	79	81	90	86	86	86	81.8
2	86	85	84	84	83	82	82	81	78	77	77	76	76	76	79	81	82	83	83	81	80	83	84	82	81.0
3	85	88	88	87	87	84	84	84	87	86	86	86	88	89	91	91	85	76	79	85	85	82	94	96	86.4
4	93	91	90	90	92	89	86	83	69	64	68	75	78	79	80	80	80	80	80	81	80	84	83	83	81.6
5	84	84	84	83	78	66	72	75	72	75	75	67	69	75	76	75	71	75	76	72	77	79	87	80	76.1
6	84	84	83	82	82	83	83	75	75	75	70	66	67	65	65	48	53	65	73	70	77	78	87	80	73.7
7	75	70	93	90	87	93	94	85	76	74	77	75	77	75	73	80	80	84	84	88	88	88	93	95	83.1
8	95	95	95	96	96	97	99	100	100	99	98	98	98	98	98	98	98	97	96	96	97	96	96	96	97.2
9	96	96	96	96	96	96	96	96	95	95	95	96	95	95	95	95	95	96	96	98	97	95	94	94	95.6
10	92	92	91	90	90	91	91	90	88	89	89	90	91	92	92	93	93	93	92	92	92	91	91	90	91.0
11	89	89	93	93	93	93	92	92	92	92	90	88	88	86	86	84	85	85	89	91	90	87	83	78	88.7
12	77	78	80	84	88	81	78	74	79	75	70	79	76	82	81	88	87	88	85	75	82	80	79	80	80.2
13	78	81	83	83	84	88	93	92	88	84	89	84	86	85	85	85	86	86	86	84	83	85	89	90	85.7
14	90	86	82	81	86	87	87	88	89	88	88	86	86	85	85	85	86	87	82	83	84	84	85	84	85.6
15	84	84	84	84	82	82	81	85	87	86	85	85	87	87	------	------	------	------	------	------	------	------	------	------	84.5
Mean	86.9	86.5	88.1	87.5	87.4	86.9	86.7	85.6	83.0	81.9	81.8	81.4	82.5	83.0	83.0	82.8	82.7	83.7	84.3	84.1	85.9	85.6	87.9	86.7	84.8

TABLE 36.—*Relative humidity—hourly values, Little America*

FEBRUARY 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
16	86	85	85	86	83	82	82	81	81	80	78	76	76	75	71	74	73	79	77	79	80	80	80	79	79.5
17	74	80	76	73	76	73	70	75	77	73	73	73	72	69	75	76	79	77	77	74	74	71	77	79	74.7
18	80	79	----	----	----	----	----	----	----	----	----	61	57	57	60	62	65	69	69	69	71	73	74	74	68.0
19	75	73	71	70	65	73	75	76	76	76	76	76	77	77	76	76	76	76	77	75	76	77	76	77	74.9
20	75	75	74	72	72	70	66	70	72	73	74	73	74	75	74	74	74	75	75	76	75	75	79	81	73.9
21	78	78	77	74	70	71	65	66	71	72	73	72	72	68	71	72	72	72	74	74	72	74	77	79	72.7
22	77	75	74	73	73	71	65	62	64	66	65	64	65	64	62	63	64	65	67	67	69	71	72	72	67.9
23	72	72	72	70	70	70	65	60	64	72	76	76	76	75	75	75	75	75	75	76	77	82	82	82	73.5
24	83	83	83	83	83	84	84	84	85	85	85	85	85	85	85	85	85	86	85	85	85	85	85	85	84.5
25	84	83	83	83	83	83	83	84	84	84	85	85	85	85	83	83	84	83	84	84	84	84	84	85	83.8
26	84	85	85	85	85	85	85	86	86	86	86	87	86	86	85	84	83	82	80	79	78	77	76	75	83.2
27	75	75	75	74	74	74	74	73	72	72	71	71	71	71	70	70	70	70	71	71	72	72	72	72	72.2
28	72	72	72	72	72	73	73	72	72	73	74	74	71	71	71	71	71	71	71	71	71	71	72	72	71.9
Mean	78.1	78.1	77.2	76.2	75.5	75.7	73.9	74.1	75.3	76.0	76.3	74.8	74.4	73.7	73.7	74.2	74.7	75.4	75.5	75.4	75.7	76.3	77.4	77.8	75.7

MARCH 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	72	73	74	73	73	73	74	74	73	73	74	74	75	75	75	76	76	76	75	75	75	75	74	74	74.2
2	74	74	74	75	75	75	75	75	75	75	75	75	75	75	75	75	76	75	75	75	74	73	72	71	74.5
3	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69.4
4	70	70	70	70	70	70	71	71	71	71	71	71	72	72	72	72	72	73	73	72	72	72	72	72	71.3
5	72	72	71	71	71	71	71	71	71	71	71	72	73	74	74	75	75	75	75	75	75	75	75	75	73.0
6	75	75	76	76	77	77	78	79	79	80	81	81	82	82	81	80	80	79	78	77	76	75	74	73	78.0
7	73	74	74	74	74	74	73	73	73	72	72	72	72	73	73	73	74	73	72	71	70	70	70	70	72.5
8	70	72	73	74	74	78	70	79	78	78	73	70	65	63	64	64	63	64	64	65	67	67	68	68	70.0
9	68	69	69	69	72	73	73	73	73	73	74	74	74	74	74	75	75	76	76	77	77	78	78	78	73.8
10	79	78	77	76	76	75	75	75	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	75	72	72	71	71	70	68	69	69	69	69	70	70	70.4
12	69	71	72	72	72	73	73	73	73	74	74	74	74	72	72	72	72	72	72	71	70	69	69	68	71.8
13	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69	68	68	68	68	68	68.2
14	68	68	68	69	70	71	71	71	73	74	76	76	76	76	76	76	77	77	77	77	77	78	78	79	74.1
15	79	80	81	81	82	82	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82.3
16	83	83	83	83	83	83	83	83	82	82	81	80	79	78	77	76	75	74	73	72	71	70	70	69	78.0
17	69	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	66	67	67	67	66	66	66	65	65	65	65	65	64	63	63	63	62	65.0
20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	63	64	62	62	62	63	65	66	66	67	67	67	67	68	68	68	67	67	67	66	66	66	65	64	65.5
Mean	71.4	72.2	72.3	72.4	72.7	72.9	73.2	72.9	72.8	72.9	72.9	72.7	72.4	72.4	72.2	72.3	72.3	72.1	71.9	71.5	71.3	71.8	71.6	71.4	72.3

APRIL 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	95	96	96	95	96	96	96	95	96	----
16	95	95	95	96	96	95	95	96	96	96	95	95	96	96	95	95	95	95	95	95	94	93	93	93	95.0
17	92	91	91	91	91	92	92	92	92	93	92	92	91	91	91	91	91	90	90	90	90	90	90	90	91.1
18	90	90	90	90	90	91	91	92	92	92	93	93	93	92	92	92	92	92	92	92	92	93	92	92	91.7
19	91	91	91	91	91	90	90	90	91	92	92	92	91	91	91	91	91	91	91	91	90	90	90	90	90.8
20	91	91	91	91	91	91	91	91	91	91	91	91	90	90	90	90	90	90	89	89	89	89	89	89	90.2
21	88	88	88	88	88	88	88	88	88	87	87	87	87	88	90	91	91	91	91	91	92	92	92	92	89.2
22	92	92	92	93	93	93	94	94	94	94	95	95	95	95	94	94	94	94	94	94	94	94	93	93	93.7
23	93	94	94	94	94	94	93	93	93	93	93	92	92	91	91	91	90	90	90	90	90	90	91	91	92.0
24	92	92	92	92	92	91	91	90	89	89	89	89	89	88	88	88	88	87	87	87	87	87	87	87	89.1
25	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	89	89	89	89	89	90	90	90	90	88.0
26	90	90	90	90	91	91	92	92	92	92	92	93	93	94	94	94	94	94	94	94	94	94	94	94	92.6
27	93	93	93	94	94	93	91	90	89	89	89	89	89	88	89	89	89	89	89	89	89	89	89	89	90.2
28	89	89	89	89	89	89	89	90	91	91	92	92	93	93	93	93	94	94	94	94	93	92	91	91	91.4
29	91	91	91	90	90	90	90	90	91	91	91	91	90	90	90	89	89	88	88	88	88	87	87	87	89.5
30	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	88	89	89	89	91	93	87.8
Mean	90.7	90.7	90.7	90.9	90.9	90.8	90.7	90.8	90.9	90.9	91.0	91.0	90.9	90.8	90.9	91.2	91.3	91.1	91.0	91.1	91.1	90.9	90.9	91.1	90.9

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

MAY 1929

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	93	96	92	89	95	97	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98.3
2	100	100	100	100	100	100	100	99	97	96	97	97	97	97	97	97	98	98	99	99	100	100	100	100	98.7
3	100	100	100	99	99	99	99	98	98	97	97	96	95	92	90	89	88	88	87	86	85	84	84	84	93.1
4	83	83	83	83	83	82	82	82	82	82	82	81	81	81	81	80	80	80	80	80	80	80	80	80	81.3
5	80	80	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79.3
6	79	79	79	79	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	77	77	77.6
7	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77.0
8	77	77	77	77	76	76	76	76	76	76	76	77	77	78	78	79	80	80	81	81	83	83	84	85	78.6
9	85	89	89	89	89	89	89	89	89	89	89	89	89	89	90	90	86	85	84	83	82	81	81	80	86.8
10	81	82	83	85	86	86	85	85	86	86	85	85	85	85	87	87	87	87	87	88	90	89	90	90	86.1
11	91	92	91	91	91	91	91	91	91	91	90	90	90	90	89	89	89	89	89	89	89	89	89	89	90.0
12	89	89	88	87	87	87	87	86	85	85	84	84	84	83	83	83	83	83	83	83	83	82	82	82	84.7
13	82	82	82	82	82	82	82	82	81	81	81	81	79	77	75	75	75	75	75	75	75	75	75	75	78.6
14	74	74	74	74	74	75	74	74	74	75	75	75	75	75	75	75	75	75	75	75	75	76	75	75	74.7
15	75	74	74	74	74	73	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	73	73	73	73.4
16	73	73	73	73	74	74	74	74	73	74	74	74	74	74	75	75	75	76	76	76	76	76	76	76	74.5
17	76	77	77	77	77	77	76	76	77	77	77	77	78	78	78	78	77	76	75	75	75	75	75	74	76.5
18	74	75	74	74	74	74	74	74	74	73	73	73	73	73	73	73	73	74	76	76	76	77	77	78	74.4
19	78	79	79	80	80	80	80	80	81	81	81	81	82	82	82	82	82	83	83	83	83	82	82	82	81.2
20	82	82	82	82	82	81	81	80	80	79	79	78	77	77	76	76	76	76	76	76	76	77	77	78	78.6
21	78	78	77	77	76	76	75	75	74	74	74	75	79	79	80	80	80	80	80	81	81	80	80	79	77.8
22	79	80	80	81	81	81	81	81	80	80	80	80	81	81	81	83	82	82	82	81	81	80	80	80	80.8
23	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	82	82	82	81.3
24	82	83	83	82	81	81	81	81	81	82	82	82	84	84	85	85	82	83	83	83	83	82	81	80	82.3
25	81	81	81	81	81	80	80	81	81	80	80	80	80	81	81	81	82	82	83	84	85	86	86	86	81.8
26	85	85	85	85	85	87	86	87	87	87	85	84	84	82	82	81	80	79	79	79	79	78	77	76	82.7
27	76	75	75	75	75	75	75	75	75	75	74	74	73	73	74	75	75	75	75	75	76	77	78	79	75.2
28	80	80	82	83	84	86	86	86	86	87	86	86	85	84	84	84	84	84	83	84	85	85	85	85	84.3
29	84	84	84	84	84	84	84	83	83	82	82	82	82	83	83	82	81	81	82	82	83	83	82	81	82.7
30	80	81	81	81	81	81	80	79	78	77	77	76	76	76	76	75	74	74	74	74	74	74	74	74	77.0
31	74	74	74	73	73	73	73	73	73	73	73	73	73	73	74	74	74	74	74	74	74	74	74	75	73.6
Mean	81.6	82.0	81.8	81.8	81.9	82.0	81.9	81.8	81.6	81.5	81.3	81.2	81.3	81.1	81.2	81.1	80.8	80.9	81.0	81.0	81.2	81.1	81.0	81.0	81.4

JUNE 1929

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	75	74	74	73	74	74	74	74	74	75	75	75	75	75	74	74	74	75	76	76	76	76	76	76	74.8
2	76	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	74	74	74	74	75.3
3	74	74	74	74	73	73	73	73	73	73	72	71	71	71	71	71	71	71	71	71	71	71	71	71	72.0
4	72	72	73	74	74	75	75	79	79	79	79	79	78	78	77	77	77	77	77	77	76	76	76	76	76.3
5	75	75	76	76	75	75	75	75	74	74	74	73	73	73	72	72	72	72	72	72	73	73	75	75	74.0
6	81	83	84	86	87	88	92	94	94	93	81	83	82	83	82	82	82	82	82	81	80	80	80	79	84.2
7	80	80	80	79	79	79	79	79	78	78	78	78	78	79	79	80	84	86	94	95	95	95	93	80	83.2
8	90	90	90	91	90	89	88	88	87	86	86	85	85	85	84	84	86	86	85	85	84	84	85	92	86.6
9	85	85	85	85	85	86	86	86	87	87	87	87	87	87	87	87	88	88	88	88	88	87	87	85	86.7
10	87	87	88	88	88	89	89	90	90	90	90	93	93	92	92	92	92	92	92	92	91	91	92	87	90.5
11	91	91	91	91	94	95	96	96	96	96	95	95	95	95	96	95	95	95	95	95	96	95	95	92	94.5
12	93	93	92	92	91	90	90	90	90	88	87	87	87	87	86	85	85	84	84	83	83	83	83	94	87.3
13	83	82	82	82	82	82	82	82	84	84	84	85	87	88	89	89	89	89	89	89	89	89	89	83	85.8
14	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	88	89	88.7
15	88	88	88	88	88	87	87	87	87	87	87	87	86	86	86	85	84	82	82	81	79	79	79	88	84.8
16	78	78	78	78	77	77	77	77	77	77	77	77	77	78	77	78	78	79	79	80	80	82	84	78	78.5
17	85	86	88	88	88	89	89	91	92	91	91	91	96	95	96	96	96	96	96	95	94	94	94	85	92.1
18	93	94	93	92	92	93	91	92	92	92	92	93	93	92	92	92	93	93	93	94	95	95	95	94	93.0
19	95	95	95	96	96	96	98	98	97	97	97	97	96	96	95	94	94	94	94	94	94	94	93	95	95.3
20	90	89	88	87	87	88	87	87	87	87	87	87	89	89	89	89	89	89	90	90	91	91	91	92	88.7
21	90	90	90	90	90	90	90	89	87	87	86	87	87	87	87	88	88	87	87	87	86	84	83	90	87.5
22	82	82	82	82	82	83	82	82	83	83	83	83	83	84	85	85	85	85	85	85	86	86	86	83	83.8
23	86	85	85	85	86	86	86	85	85	85	85	85	85	84	84	84	84	84	84	84	83	82	82	86	84.4
24	81	81	82	82	83	83	84	84	84	84	85	85	87	87	87	87	88	88	89	89	89	89	89	81	85.7
25	89	88	88	88	87	88	88	88	90	90	91	91	91	91	91	90	90	90	90	91	91	90	89	89	89.5
26	90	90	89	88	86	86	85	85	85	85	85	85	85	85	85	84	84	85	85	85	85	84	84	89	85.6
27	84	84	83	83	83	83	83	83	84	84	83	83	83	83	83	83	83	83	83	83	83	83	83	84	83.2
28	83	83	83	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83	83.7
29	84	84	84	84	84	84	84	83	83	83	83	83	83	82	80	80	80	80	80	80	80	79	79	84	81.9
30	79	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77	77	78	78	78	79	77.8
Mean	84.3	84.2	84.3	84.3	84.2	84.5	84.5	84.8	84.9	84.7	84.2	84.4	84.6	84.6	84.4	84.3	84.5	84.5	84.9	84.9	84.7	84.5	84.6	84.5	84.5

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

JULY 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	78	78	78	78	77	77	77	77	77	75	75	75	72	72	71	71	71	71	71	71	71	70	70	70	73.9
2	70	70	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	70	70	70	70	70	70	70	70.5
3	70	70	70	70	70	70	70	70	71	72	73	72	72	72	72	71	71	71	71	71	71	71	71	71	71.0
4	71	71	71	71	70	70	70	70	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70.8
5	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	72	76	77	80	81	82	82	82	82	74.1
6	82	82	81	81	81	80	80	80	80	79	79	79	79	79	79	79	79	78	78	78	78	78	78	78	79.4
7	78	78	78	78	78	78	78	79	79	78	79	79	79	79	79	79	78	78	78	78	77	77	78	78	78.2
8	78	78	78	78	77	77	77	77	76	76	76	76	75	75	75	75	75	75	75	75	75	75	76	76	76.1
9	75	75	76	75	75	75	75	75	74	74	74	74	75	75	74	74	74	74	74	74	74	74	74	75	74.5
10	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	74	74	74	75	75	76	75.4
11	77	77	77	77	78	77	77	78	78	77	77	77	77	77	77	76	76	76	76	76	76	76	76	76	76.8
12	76	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	77	77	76	76	75	77.3
13	75	75	75	75	74	74	74	74	74	74	74	74	74	74	74	74	74	75	76	76	76	76	76	76	74.7
14	78	81	82	82	82	82	82	82	80	80	79	79	79	79	78	78	78	78	78	78	78	78	78	78	79.5
15	78	79	78	78	79	80	80	80	83	84	83	83	80	84	84	81	81	81	80	80	79	78	78	78	80.4
16	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77.8
17	77	77	77	77	77	77	77	77	77	77	77	76	76	76	76	76	76	76	75	75	75	75	75	75	76.2
18	75	75	76	76	76	76	76	76	78	79	80	81	81	82	83	83	83	83	83	82	80	80	80	80	79.3
19	80	80	80	80	79	79	79	79	79	80	81	83	83	84	85	85	85	85	85	84	84	83	83	83	82.0
20	83	83	83	83	83	83	85	87	91	93	93	93	93	93	93	94	93	91	91	90	89	87	85	84	88.5
21	84	83	82	81	81	81	91	80	80	80	80	80	80	80	82	82	83	82	82	82	82	82	82	81	81.4
22	81	81	81	80	80	81	80	80	80	80	80	80	80	80	80	81	81	81	81	81	81	81	81	81	80.5
23	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	81	81	80	80	79	79	78	78	78	80.3
24	78	78	77	77	77	77	76	76	76	76	76	76	75	75	75	75	76	76	78	80	82	82	83	82	77.5
25	82	82	82	82	81	80	78	78	78	77	77	78	78	78	77	78	77	76	75	75	75	75	74	74	77.8
26	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	75	75	75	75	75	74.2
27	75	75	76	76	76	76	76	77	77	77	77	76	75	75	75	75	75	76	76	76	75	75	75	75	75.7
28	75	75	75	75	75	75	75	75	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	75	74.4
29	75	75	75	75	75	76	76	78	78	79	79	79	79	79	80	80	79	79	79	78	78	77	78	79	77.7
30	85	86	86	87	88	88	88	88	87	88	88	87	86	85	84	84	84	84	84	83	83	83	83	83	85.5
31	83	83	84	84	84	84	84	84	84	84	85	85	85	86	87	88	88	91	92	93	94	94	95	95	87.3
Mean	77.4	77.5	77.6	77.5	77.5	77.5	77.4	77.6	77.8	77.8	77.9	77.9	77.6	77.8	77.8	77.8	77.9	77.9	78.0	77.9	77.8	77.6	77.6	77.6	77.7

AUGUST 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	94	94	94	94	95	95	96	96	97	98	98	98	99	98	98	99	99	100	100	100	100	100	100	100	97.6
2	100	100	100	100	100	100	99	99	96	96	97	97	97	98	99	99	99	99	99	99	99	99	98	98	98.6
3	97	97	97	97	97	97	97	97	90	90	90	90	90	90	89	89	89	89	89	89	88	88	88	88	91.8
4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	87	87	87	87	87	87.6
5	87	87	87	87	87	87	87	87	87	87	87	88	88	88	88	88	88	88	88	86	85	85	85	85	87.0
6	85	83	82	82	82	82	82	81	82	83	84	85	86	86	87	86	86	85	85	85	85	85	85	85	84.1
7	85	85	86	87	87	87	88	88	87	88	87	87	87	86	86	86	85	84	84	83	83	83	82	82	85.5
8	82	82	82	82	81	81	81	81	80	80	80	79	79	79	78	78	78	78	78	78	78	78	78	79	79.6
9	79	79	80	79	79	79	79	80	80	80	80	80	80	79	79	79	79	79	78	78	78	78	78	78	79.0
10	78	78	78	77	77	77	76	76	76	76	76	76	76	76	76	76	77	78	80	80	81	82	83	84	77.9
11	86	87	87	87	88	89	90	91	91	91	91	91	91	92	92	92	92	92	92	91	90	89	88	86	89.8
12	86	86	86	86	86	86	86	85	85	85	85	85	85	85	84	83	83	83	83	83	82	82	82	82	84.3
13	82	82	82	82	82	82	83	83	82	82	83	83	82	82	81	81	81	81	81	81	80	80	80	80	81.6
14	80	80	80	80	80	80	80	83	84	88	91	91	91	90	90	90	90	90	89	88	86	86	86	86	85.8
15	87	87	87	87	87	88	90	89	88	88	88	88	88	87	86	86	85	86	86	86	86	86	86	86	87.0
16	87	90	93	95	95	96	96	97	100	100	100	100	100	100	98	97	97	97	96	96	95	95	95	95	96.2
17	95	95	95	95	95	95	95	95	94	94	93	92	92	92	91	91	91	91	93	94	99	100	100	100	94.5
18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	96	96	94	94	93	93	93	93	94	95	97.5
19	96	97	98	98	98	98	94	96	97	95	95	98	97	97	97	97	97	97	97	96	96	96	96	96	96.6
20	96	96	96	96	96	96	96	96	96	95	95	95	95	95	95	95	95	95	95	95	94	94	93	92	95.1
21	91	91	91	91	91	91	91	91	90	90	89	89	89	89	89	88	89	89	89	90	90	90	90	90	89.9
22	90	90	90	90	89	88	88	88	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	87.0
23	86	86	85	85	84	84	84	84	84	84	83	83	83	83	82	82	82	82	82	82	82	82	82	82	83.2
24	82	82	82	82	82	82	82	82	81	82	82	82	82	82	81	81	81	81	81	81	81	81	81	81	81.5
25	81	82	82	82	82	82	82	82	83	83	82	82	82	82	82	82	82	82	81	81	81	81	81	82	81.8
26	82	82	82	82	82	82	82	82	81	81	81	82	82	81	81	81	81	81	80	80	80	80	80	80	81.2
27	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80.0
28	81	81	81	81	82	82	83	82	82	82	82	82	82	83	83	84	84	84	84	84	85	85	85	85	82.9
29	86	86	86	86	87	87	88	89	88	91	92	92	92	93	93	93	93	93	93	93	93	92	92	92	90.4
30	92	92	91	91	91	91	91	90	90	89	88	88	87	87	87	87	86	86	86	86	85	85	85	85	88.2
31	85	85	84	84	84	83	83	82	81	81	81	81	81	81	80	80	.80	80	80	80	80	80	79	79	81.4
Mean	87.3	87.4	87.5	87.5	87.5	87.6	87.6	87.7	87.3	87.5	87.5	87.7	87.6	87.6	87.1	87.1	87.0	87.0	86.9	86.8	86.7	86.7	86.6	86.6	87.3

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

SEPTEMBER 1929

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	79	79	79	79	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79.5
2	80	80	80	80	81	81	81	82	82	83	83	83	83	83	83	83	83	84	84	84	84	84	84	84	82.5
3	84	83	83	83	83	82	82	82	83	83	83	83	83	84	84	83	83	83	83	83	83	82	82	82	82.9
4	82	82	82	82	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	82	81.4
5	81	81	82	83	83	84	84	85	85	85	86	86	86	88	90	92	92	92	91	90	89	88	87	87	86.5
6	87	87	87	87	87	87	86	85	84	83	82	82	82	81	81	81	81	81	81	81	81	81	81	81	83.2
7	81	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	81	81	82	83	80.9
8	83	83	83	84	84	84	84	84	85	85	85	84	84	82	82	82	82	82	82	82	81	81	81	81	82.9
9	81	81	81	81	81	81	81	81	81	81	81	81	80	79	78	78	78	79	79	78	78	78	79	79	79.8
10	79	79	79	79	79	79	79	79	78	78	78	79	79	79	79	79	79	79	79	79	79	79	79	79	78.9
11	79	79	79	79	79	79	79	79	79	79	79	78	78	78	77	77	77	77	77	77	77	77	77	77	78.0
12	77	77	77	77	77	78	78	78	76	76	76	76	76	76	77	77	77	77	77	77	77	77	77	77	76.9
13	77	77	77	77	77	77	77	77	78	79	80	80	80	80	81	81	81	82	82	82	82	81	81	80	79.4
14	80	79	79	79	79	79	79	78	78	78	78	78	78	78	77	77	77	76	76	76	77	77	76	76	77.7
15	76	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	79	79	79	77.9
16	79	79	79	79	79	79	79	79	79	79	79	79	78	78	78	78	78	78	78	79	79	79	79	79	78.7
17	79	79	79	79	79	79	79	80	80	81	81	81	81	81	81	81	82	82	83	82	82	83	85	89	81.2
18	89	89	89	90	91	91	91	91	91	91	91	91	90	89	89	88	88	88	87	87	87	87	86	86	89.0
19	86	86	86	86	86	86	86	85	85	85	85	85	85	85	84	83	83	82	82	82	81	81	81	81	84.0
20	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	83	83	84	84	84	81.7
21	84	84	84	84	84	84	84	85	85	85	85	85	85	85	85	85	85	86	87	86	86	86	86	86	85.0
22	86	85	85	85	85	84	83	82	82	81	80	80	80	80	81	81	81	81	81	81	80	80	80	80	81.8
23	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79	79	80	80	80	80	83	79.8
24	84	84	84	84	84	83	83	83	84	84	83	83	83	83	82	81	81	81	81	81	81	81	80	80	82.4
25	80	79	79	79	79	79	79	79	80	80	80	81	81	81	82	81	81	81	81	81	81	81	81	81	80.3
26	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79.9
27	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	79	79	79	78	78	78	78	79.0
28	78	78	78	78	78	78	78	78	77	78	78	78	78	79	78	78	78	78	78	78	77	77	77	77	77.8
29	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77.5
30	77	77	77	77	77	77	78	79	80	80	80	81	85	87	87	87	87	88	88	88	87	87	86	85	82.6
Mean	80.9	80.7	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.1	81.0	81.1	81.1	81.1	81.1	81.0	81.1	81.1	81.1	81.1	80.9	80.9	80.8	81.0	81.0

OCTOBER 1929

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	84	84	84	84	84	84	85	85	85	85	85	86	86	86	87	86	86	86	86	86	86	86	86	86	85.3
2	85	85	85	85	84	84	83	82	81	81	80	80	80	80	80	80	79	79	79	79	79	79	79	79	81.1
3	79	79	79	80	80	80	81	82	81	81	81	81	80	79	78	78	78	78	78	78	77	77	77	77	79.1
4	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	77	77	76	76	76	76	76	76	77.1
5	76	77	77	77	77	77	79	79	80	80	81	81	81	81	81	82	83	83	82	83	83	83	83	83	80.4
6	83	83	83	83	83	83	83	83	82	82	82	82	83	83	83	82	81	81	81	81	80	80	80	80	82.0
7	80	79	79	79	79	79	80	81	83	84	85	85	86	86	87	87	87	87	87	87	88	88	87	87	84.0
8	87	87	87	87	87	88	88	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	88	88	88.2
9	88	88	88	88	88	88	88	88	89	89	89	89	89	90	90	90	90	88	87	87	87	86	85	85	88.1
10	84	84	83	83	82	82	82	81	81	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	81.3
11	80	80	80	80	80	80	81	83	84	84	84	83	82	81	81	80	80	80	79	80	80	80	80	80	80.9
12	80	80	79	79	79	79	79	80	81	82	82	84	85	87	87	87	87	86	85	84	83	82	82	82	82.5
13	81	81	80	80	80	80	80	81	82	82	82	82	82	82	82	81	81	81	81	81	81	80	80	80	81.0
14	80	80	79	79	80	80	80	81	80	80	81	81	81	82	83	85	85	86	86	90	90	90	90	90	83.3
15	89	89	88	88	87	87	87	87	87	87	87	86	86	85	86	85	84	85	85	87	87	87	86	85	86.5
16	85	84	84	84	84	83	83	83	82	82	81	81	81	81	81	81	81	81	81	81	82	82	83	84	82.3
17	84	84	85	85	85	86	87	88	89	90	91	91	92	92	93	93	93	93	94	95	95	96	96	95	90.5
18	94	92	92	93	93	93	92	92	91	91	89	89	89	89	90	90	91	91	91	91	92	92	92	92	91.3
19	92	92	92	92	92	93	93	93	94	94	94	95	95	95	95	96	96	96	96	96	95	95	95	95	94.2
20	95	95	95	95	95	95	95	95	94	95	95	95	96	96	96	96	95	95	95	94	94	94	93	93	94.8
21	92	92	92	93	93	93	93	93	93	91	91	91	91	91	88	88	86	84	93	83	82	82	82	82	88.7
22	83	83	83	84	84	85	85	87	87	87	87	87	87	87	87	87	87	87	86	85	84	84	84	84	85.5
23	84	82	87	87	87	87	87	88	89	89	89	88	89	90	91	91	91	91	91	90	89	88	88	88	88.4
24	88	88	88	88	88	88	88	88	88	88	88	88	89	89	90	90	90	90	90	90	89	89	89	89	88.8
25	88	87	87	87	88	88	88	88	88	88	88	88	89	88	88	88	88	88	88	86	86	85	85	85	87.4
26	85	85	85	85	85	85	85	85	86	86	87	87	87	88	88	88	88	87	85	85	85	85	85	85	85.9
27	85	85	85	85	85	85	85	86	86	84	86	86	85	85	85	86	87	88	88	89	89	90	90	89	86.4
28	88	88	88	88	88	87	88	89	88	88	88	83	83	83	82	84	83	82	81	81	81	82	82	82	84.9
29	82	81	81	81	82	82	81	83	83	84	83	81	83	82	80	80	81	80	80	80	82	84	85	89	82.1
30	89	89	89	90	91	91	91	93	93	94	94	95	95	94	94	93	93	93	93	93	93	89	87	88	91.8
31	89	91	91	91	91	91	91	89	89	88	89	91	87	87	79	80	85	88	88	89	89	89	90	90	88.4
Mean	85.0	84.9	84.9	85.1	85.1	85.2	85.3	85.8	85.9	85.9	86.0	85.9	86.0	86.0	85.8	85.9	85.9	85.8	85.5	85.6	85.5	85.4	85.3	85.4	85.6

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

NOVEMBER 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1																									
2	90	91	92	91	90	90	90	91	91	92	93	91	89	91	91	90	91	91	91	89	89	88	88	87	90.3
3	88	87	87	88	88	87	88	88	87	87	88	88	89	89	89	90	90	89	90	91	91	91	91	90	88.8
4	90	90	90	90	89	89	89	88	87	87	86	84	85	84	86	87	87	88	88	87	87	86	86	87	87.4
5	86	87	94	94	92	86	85	82	80	80	83	86	84	88	88	88	88	90	91	90	90	88	86	83	87.0
6	79	78	81	81	76	77	76	77	78	80	77	77	77	75	78	77	76	76	82	84	86	84	80	81	78.9
7	82	81	80	82	81	80	81	81	79	80	77	76	77	79	80	80	83	83	84	85	85	85	84	80	81.0
8	79	77	80	81	82	80	81	80	70	72	68	62	78	83	80	86	90	86	83	80	80	83	80	81	79.2
9	84	82	85	85	82	82	83	78	76	78	80	82	81	76	75	79	86	81	78	80	84	86	87	86	81.5
10	88	87	87	86	87	85	87	84	88	80	83	79	80	72	79	91	88	89	91	91	92	90	89	89	85.9
11	88	87	87	85	84	84	83	83	82	82	83	82	82	82	80	77	78	78	80	81	77	79	82	82	82.0
12	83	81	78	74	80	80	81	78	79	81	83	83	82	83	84	84	83	84	74	80	80	79	84	87	81.0
13	85	82	81	80	81	82	79	81	82	82	82	83	83	84	84	84	85	85	85	84	83	82	83	82	82.7
14	80	79	78	77	78	75	70	70	68	70	74	75	75	74	73	71	76	70	77	80	79	79	80	79	75.3
15	79	77	80	80	80	81	82	82	82	82	82	85	83	82	81	80	79	79	79	78	78	79	79	79	80.3
16	80	78	78	76	74	77	71	76	76	77	77	74	73	75	77	79	71	70	73	77	78	81	80	79	76.1
17	78	79	80	79	80	80	80	79	77	76	77	71	75	75	75	77	76	77	77	77	79	79	76	74	77.2
18	77	76	76	74	68	73	74	75	75	72	74	71	71	75	77	72	73	75	77	76	74	72	71	71	73.7
19	68	73	72	72	73	77	74	77	78	77	70	67	76	78	77	77	78	77	75	75	70	65	69	73	73.7
20	76	74	76	73	73	71	77	78	79	75	70	68	62	58	76	80	77	75	73	71	75	72	76	76	73.4
21	80	79	78	79	79	79	79	79	78	77	79	78	75	72	67	69	72	75	76	64	71	78	79	79	75.9
22	81	80	81	82	81	78	78	77	81	83	86	76	75	77	75	74	74	83	82	82	84	85	85	85	80.2
23	85	86	85	83	81	76	70	74	71	68	78	81	80	82	83	82	85	89	92	92	92	92	91	91	82.9
24	91	88	86	83	83	83	82	82	83	84	84	83	82	75	76	77	71	63	77	81	88	91	96	92	82.5
25	92	91	92	89	90	91	92	92	91	91	91	90	90	90	92	91	92	93	92	93	94	94	92	94	91.6
26	93	95	93	87	84	93	96	100	100	95	95	96	79	87	84	81	84	86	88	89	90	89	90	90	90.2
27	90	89	88	89	90	90	91	90	84	84	82	77	80	82	84	88	87	88	88	83	76	77	76	77	84.6
28	75	70	69	73	73	78	81	82	83	85	86	87	87	87	88	90	89	87	88	86	88	88	87	86	83.0
29	84	83	83	83	84	84	83	82	82	82	81	81	76	77	81	81	83	84	83	83	84	82	80	80	81.9
30	78	76	71	66	70	63	65	64	69	64	62	67	77	66	69	70	77	76	77	73	72	67	78	83	70.8
Mean	83.2	82.3	82.6	81.8	81.5	81.3	81.2	81.2	80.6	80.2	80.4	79.3	79.5	79.4	80.3	81.0	81.5	81.5	82.4	82.0	82.4	81.9	82.2	82.3	81.3

DECEMBER 1929

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1																									
2	69	66	71	72	74	77	78	79	75	78	71	72	68	65	67	76	78	66	63	63	65	58	60	63	69.8
3	65	68	65	67	73	77	78	77	77	76	75	71	67	70	75	65	59	63	64	67	72	75	78	70	70.6
4	66	73	70	65	69	73	74	75	75	74	73	73	72	74	73	73	75	80	83	85	84	84	85	85	75.5
5	72	80	82	79	77	74	74	72	75	72	74	70	64	63	68	77	72	70	77	69	70	72	71	77	73.0
6	68	69	70	71	72	74	75	77	80	85	86	82	79	79	79	84	81	75	67	72	65	69	75	80	75.6
7	78	70	65	69	82	76	76	81	81	82	88	82	77	76	75	70	71	66	72	76	85	88	87	83	77.3
8	86	80	80	75	81	82	85	90	93	89	86	83	87	84	83	81	75	78	70	68	76	80	84	90	81.9
9	95	95	95	96	96	90	91	89	91	88	89	90	90	87	84	70	72	77	80	88	87	91	96	98	88.5
10	98	90	88	84	84	83	90	85	91	81	91	85	80	75	73	75	73	69	69	67	74	69	94	95	81.8
11	92	82	83	80	86	87	90	91	91	89	89	89	90	90	91	88	88	85	86	87	88	88	88	88	87.8
12	88	87	86	86	86	81	78	82	78	79	81	81	82	79	81	80	80	82	83	86	81	80	72	79	81.6
13	79	76	83	82	86	87	85	80	84	82	83	80	70	72	85	80	76	81	84	76	83	87	88	90	81.6
14	92	94	94	94	89	100	100	100	99	100	93	93	93	94	89	90	89	87	89	88	100	100	100	100	94.5
15	100	100	100	99	98	96	94	77	66	85	89	86	85	87	90	89	89	90	90	91	93	84	81	89	89.5
16	88	87	85	84	77	79	83	84	85	87	90	93	94	92	91	87	86	83	76	75	70	81	92	92	85.0
17	95	99	100	100	98	100	100	96	99	98	98	99	98	91	90	92	94	92	93	100	97	96	94	94	96.4
18	94	92	87	85	82	86	81	78	76	65	52	62	80	90	91	91	92	92	93	94	97	79	97	100	85.6
19	99	98	97	97	95	94	91	92	94	93	95	97	97	98	98	97	99	98	95	95	98	91	91	91	95.4
20	92	88	87	92	91	91	91	88	90	84	79	86	85	85	80	80	81	81	80	79	76	76	76	78	84.0
21	80	80	75	77	79	81	83	83	82	75	73	73	74	83	83	84	84	77	71	72	79	83	85	89	79.4
22	91	96	96	96	95	96	95	93	95	95	97	94	90	92	90	100	94	94	97	99	98	97	98	99	95.3
23	99	100	100	100	100	98	98	96	99	97	99	96	97	97	97	100	100	100	100	100	100	98	97	98	98.6
24	99	99	98	96	96	98	98	100	100	100	100	100	95	97	96	99	100	99	100	98	99	98	99	99	98.5
25	99	100	99	96	96	95	93	92	94	91	88	84	80	77	76	82	86	85	93	96	92	90	94	94	90.5
26	94	94	94	90	83	76	80	78	79	80	77	78	78	80	82	84	91	98	92	94	87	97	97	98	86.7
27	98	91	87	82	88	83	90	91	96	87	85	85	80	83	80	83	89	91	80	85	90	97	97	96	88.1
28	96	95	95	95	94	89	76	86	77	67	57	63	74	80	79	80	60	48	46	58	76	70	75	90	76.1
29	93	90	87	82	82	75	71	66	60	59	70	83	81	86	83	84	85	86	86	86	87	87	87	87	81.0
30	88	87	85	83	82	82	65	58	70	66	62	63	60	55	65	63	68	76	83	71	75	72	72	74	71.9
31	74	72	73	71	70	71	68	67	70	76	76	80	70	76	74	75	70	73	73	71	72	70	70	66	72.0
Mean	87.0	86.0	85.4	84.4	85.0	84.7	84.1	83.2	83.5	82.2	81.7	82.0	80.8	81.4	81.8	82.3	81.5	81.1	80.9	81.6	83.6	83.7	85.4	87.2	83.3

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

JANUARY 1930

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	76	80	80	75	75	76	72	70	68	68	67	66	65	61	63	70	74	68	68	59	71	78	82	81	71.4
2	67	66	82	83	86	87	85	77	77	74	75	85	87	95	94	90	91	97	94	100	98	96	88	86	85.8
3	88	80	92	92	95	95	94	90	81	81	84	88	85	84	82	85	89	97	82	74	80	91	90	93	87.2
4	93	93	94	93	90	93	93	93	93	93	93	93	93	94	94	94	88	88	88	88	87	85	85	85	91.0
5	87	85	83	81	86	85	85	84	90	88	90	90	90	91	92	92	92	91	91	92	91	92	92	92	88.8
6	91	90	89	90	88	86	85	82	79	80	79	79	80	80	81	83	85	83	87	83	82	85	83	84	83.8
7	82	84	83	82	82	82	80	80	81	85	81	83	85	85	86	86	86	88	91	91	93	94	93	93	85.7
8	92	91	94	94	91	87	91	87	91	92	92	90	91	93	89	92	91	88	87	87	87	82	80	79	89.0
9	79	77	77	74	75	78	78	79	77	78	81	82	79	86	87	91	89	88	90	91	93	92	93	93	83.5
10	94	94	94	94	93	93	93	90	85	89	82	83	77	73	75	77	73	84	87	90	91	93	96	92	87.2
11	91	92	92	85	83	78	81	82	83	84	88	78	77	76	75	81	85	90	91	91	93	93	93	93	85.3
12	93	93	93	92	92	91	90	90	91	91	87	90	80	75	80	79	80	81	84	85	88	90	91	91	87.4
13	96	93	92	91	92	91	88	85	75	79	74	67	63	61	63	66	63	54	60	64	67	77	83	88	76.3
14	87	88	90	90	87	83	83	81	80	81	82	77	78	81	90	91	92	92	92	92	90	92	91	93	86.8
15	93	92	92	91	92	91	91	90	89	89	88	86	89	89	89	87	87	88	80	79	65	80	85	89	87.1
16	90	91	91	90	90	90	87	85	85	85	87	87	87	87	87	89	89	89	89	89	90	91	92	93	88.7
17	94	95	95	94	96	95	94	94	89	86	86	86	82	82	84	85	85	85	84	84	84	86	85	87	88.2
18	84	84	82	84	85	87	89	89	87	87	87	87	87	87	86	85	84	84	85	85	85	82	84	84	85.4
19	83	82	83	76	71	73	75	75	79	82	83	81	78	76	81	84	82	82	83	84	85	87	87	88	80.8
20	86	85	85	83	84	83	80	78	78	75	75	73	72	76	68	68	67	63	65	60	63	73	81	84	75.2
21	80	82	80	73	68	68	72	74	72	72	77	76	74	76	77	79	82	83	81	78	79	76	76	70	76.0
22	67	66	66	66	67	67	62	60	67	73	76	75	69	60	56	54	49	53	55	60	61	64	66	66	63.5
23	60	59	62	59	61	63	69	73	75	75	76	78	78	79	80	79	80	79	78	70	73	76	77	77	72.3
24	82	81	81	82	82	80	81	81	80	79	77	80	80	80	81	80	76	76	76	77	80	71	68	66	78.2
25	69	65	60	68	71	70	75	75	72	72	75	73	71	71	71	70	69	66	70	71	70	70	74	88	71.1
26	86	87	86	87	84	83	85	85	80	79	72	72	72	72	76	74	72	67	61	65	67	70	71	71	76.0
27	73	73	74	73	74	75	75	78	79	78	75	72	68	64	61	70	65	71	73	74	76	76	76	75	72.8
28	80	79	78	78	81	87	88	89	90	91	91	91	91	91	92	92	92	92	92	92	92	91	91	90	88.4
29	89	89	88	87	85	84	84	83	82	80	79	77	75	75	79	80	79	79	81	82	81	82	82	82	81.8
30	82	82	82	80	80	80	78	78	82	80	80	80	76	76	74	74	75	76	77	75	72	73	74	79	77.7
31	81	84	80	84	79	75	70	67	64	65	68	72	73	71	76	79	81	82	90	93	96	96	96	96	79.9
Mean	83.7	83.3	83.8	82.9	82.7	82.5	82.4	81.4	80.7	81.0	80.6	80.5	79.1	78.9	79.6	80.8	80.4	80.8	80.9	80.8	81.6	83.4	84.0	84.8	81.7

FEBRUARY 1934

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
12	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	89	89	89	91	92	92	91	90	------
13	88	88	86	87	87	88	88	84	86	83	81	86	86	85	86	84	85	84	82	79	79	79	80	79	84.2
14	80	80	81	82	84	86	86	86	86	85	85	83	82	79	81	85	86	86	88	89	91	91	91	92	85.2
15	93	87	91	92	93	84	87	84	86	88	91	92	96	96	96	94	90	91	91	92	93	93	94	94	91.2
16	94	94	94	95	95	93	92	91	89	89	89	87	85	85	85	87	87	88	89	90	91	91	92	92	90.2
17	92	91	90	88	88	88	87	82	83	84	84	84	86	86	87	88	90	91	89	88	87	87	86	83	87.0
18	82	82	83	82	82	87	90	86	88	91	94	94	95	95	94	94	95	92	91	87	87	86	87	90	88.9
19	90	89	87	86	84	83	84	83	83	83	82	84	84	85	84	85	85	87	90	90	90	90	90	89	86.1
20	88	87	87	87	87	87	87	86	85	89	92	96	99	100	100	99	98	96	95	95	94	94	93	94	92.3
21	95	96	95	94	92	94	94	93	91	91	93	95	95	94	94	93	92	91	91	89	86	87	89	87	92.1
22	87	86	83	85	87	89	89	87	89	89	84	84	85	86	85	85	87	88	87	88	91	93	94	93	87.5
23	94	94	92	95	93	93	91	87	81	84	82	81	81	81	82	84	86	87	86	87	89	89	90	90	87.5
24	90	89	87	87	87	86	86	86	86	86	87	87	86	85	86	87	86	87	88	89	90	91	90	90	90.2
25	90	90	89	88	85	84	85	85	89	88	88	88	89	89	88	88	98	96	95	95	95	95	94	93	96.1
26	93	93	94	94	94	94	95	95	95	96	96	97	97	98	98	98	98	98	98	98	98	96	96	97	97.2
27	97	98	98	98	99	98	98	98	98	98	97	97	97	97	97	97	97	96	96	97	96	96	96	96	96.8
28	95	99	98	99	99	98	97	97	99	98	90	96	98	97	98	97	97	97	96	96	95	96	96	95	90.0
Mean	90.5	90.2	89.7	89.9	89.8	89.5	89.8	88.1	88.4	88.9	88.4	89.4	90.1	89.9	90.1	90.3	90.9	90.8	90.6	90.6	90.8	90.9	91.1	90.8	

TABLE 26.—*Relative humidity—hourly values, Little America*—Continued

MARCH 1934

[Relative humidity in percent. 180th meridian time.]

Day \ Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1																									
2	94	94	94	93	94	93	90	89	88	88	88	83	82	82	82	81	81	83	86	88	86	87	88	89	87.6
3	89	90	90	91	92	88	88	86	86	85	83	82	89	84	83	85	85	89	90	92	93	94	95	96	88.5
4	97	99	100	99	99	99	100	100	100	100	95	94	94	90	89	90	89	90	90	89	90	89	89	89	94.2
5	89	89	89	88	87	86	85	83	82	87	87	87	87	86	81	81	81	81	82	83	81	80	79	79	84.2
6	81	82	81	84	84	89	90	88	86	81	80	78	76	73	83	86	88	89	89	89	89	88	88	87	84.5
7	87	83	81	87	88	86	86	87	86	86	84	85	85	87	88	89	88	88	88	88	87	86	85	85	86.3
8	84	84	84	84	84	84	84	82	83	84	85	86	88	89	92	95	96	95	96	100	100	100	100	100	90.0
9	100	100	100	100	100	100	100	100	100	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	98	98	98	98	99	99	99	99	99	98	98	93	91	91	90	89	89	89	88	88	87	87	86	86	93.2
11	86	86	85	84	83	83	83	83	81	80	79	79	78	78	78	78	78	78	77	74	74	73	73	74	79.4
12	75	77	78	78	78	79	78	78	78	78	78	78	78	78	78	78	77	75	73	70	70	70	69	71	75.8
13	71	75	77	78	77	78	79	81	80	80	80	80	80	80	81	81	81	80	79	79	81	81	82	82	79.3
14	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	81	81	81	79	79	78	78	77	77	80.8
15	77	77	76	75	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	77	77	78	78	76.3
16	78	78	78	78	78	79	79	79	79	79	79	79	78	78	78	78	77	78	78	78	77	77	77	77	78.1
17	77	78	78	78	78	78	78	78	77	77	78	77	76	76	75	75	75	75	75	75	76	76	76	75	76.5
18	75	75	75	75	75	75	75	75	75	75	75	75	76	77	77	77	77	76	76	76	76	76	76	76	75.7
19	76	76	76	76	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77.5
20	78	78	78	77	77	77	77	77	78	78	78	78	78	78	78	78	77	77	77	76	76	76	76	76	77.2
21	76	76	76	76	76	76	76	76	75	75	76	76	76	77	77	76	76	76	76	75	75	75	75	75	75.8
22	75	75	75	75	75	75	75	75	74	75	75	75	75	75	74	75	76	75	75	74	74	74	74	74	74.7
23	74	74	74	74	74	74	74	74	73	73	73	74	74	74	74	74	74	74	74	74	74	73	73	73	73.8
24	73	73	73	73	73	73	73	73	73	73	74	74	74	74	74	74	74	74	74	75	75	75	75	75	73.8
25	75	75	76	76	76	76	78	80	79	78	78	78	78	79	79	78	77	76	76	75	75	75	75	75	76.8
26	75	75	75	75	75	75	74	74	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	74	73.7
27	74	74	75	75	76	76	76	77	77	78	80	82	83	84	83	82	81	80	78	77	77	76	76	76	78.0
28	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75	75	----	----	75.4
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	82	82	82	82	82	----
31	82	83	84	85	85	85	85	85	85	85	85	85	86	86	87	87	87	87	87	86	86	86	85	85	85.4
	85	85	84	84	84	84	84	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	83.9
Mean	81.3	81.6	81.7	81.9	82.0	82.0	82.0	81.8	81.4	80.7	80.5	80.2	80.4	80.1	80.3	80.5	80.4	80.4	80.3	80.3	80.2	80.1	80.2	83.3	80.9

APRIL 1934

[Relative humidity in percent. 180th meridian time]

Day \ Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1																									
2	----	----	----	----	----	----	----	----	----	----	----	88	88	88	88	88	88	88	88	88	88	88	89	89	88.2
3	89	90	90	90	91	91	91	89	85	85	84	83	83	82	81	82	82	82	82	82	82	82	83	84	85.2
4	84	84	85	87	85	88	89	91	91	94	96	97	98	99	100	100	100	100	100	100	100	100	100	100	94.5
5	100	99	98	97	97	97	97	95	95	95	95	95	95	93	95	94	92	91	91	91	91	91	91	91	94.4
6	91	91	91	91	91	90	90	90	89	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	89.3
7	88	88	88	88	88	88	88	88	88	89	89	89	89	90	90	90	90	90	90	90	90	90	90	90	89.1
8	90	90	90	90	90	90	90	90	90	90	90	90	91	91	91	90	92	92	92	92	92	92	92	92	90.8
9	90	90	90	90	90	90	90	89	89	89	89	92	91	90	89	89	89	88	88	86	86	86	86	86	88.8
10	85	85	85	85	85	85	85	85	84	84	84	84	87	87	87	88	88	88	87	87	87	87	87	88	86.0
11	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	87	87.8
12	87	87	87	86	86	85	85	85	85	85	85	85	85	85	85	85	85	86	87	87	87	86	87	86	85.8
13	86	86	86	86	86	86	86	85	85	85	85	84	84	84	83	83	83	83	83	83	83	83	83	83	84.3
14	82	82	82	82	82	82	82	81	81	81	81	81	81	82	82	82	83	84	85	85	85	85	85	85	82.6
15	85	84	84	84	84	83	83	83	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	84	83.2
16	84	84	84	85	85	85	85	85	85	86	87	87	87	86	86	86	86	86	86	85	85	84	85	85	85.4
17	85	85	85	85	85	85	85	84	84	84	86	86	86	86	86	86	86	86	86	86	86	85	85	85	85.3
18	85	85	85	85	85	85	84	84	83	83	83	82	82	81	81	81	81	81	81	81	81	81	81	81	82.6
19	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79.9
20	79	79	79	79	79	79	79	80	80	80	80	80	82	82	82	82	82	83	84	84	85	85	85	85	81.4
21	86	86	86	86	86	86	86	87	87	87	88	88	88	89	89	89	89	89	88	88	88	88	88	88	87.5
22	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	87	86	86	86	86	86	87.3
23	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	85	85	84	83	83	83	83	84	85.2
24	84	85	87	87	87	87	88	88	88	89	89	89	89	90	91	91	92	93	83	93	93	93	93	93	89.7
25	93	93	93	93	93	93	93	93	93	92	93	93	93	93	93	93	93	93	93	92	92	92	92	92	92.8
26	92	93	92	92	92	92	92	91	91	91	92	92	91	91	91	91	91	91	91	91	91	91	91	91	91.4
27	90	90	90	90	90	90	88	88	88	88	88	88	87	86	86	86	86	86	86	85	85	85	85	85	87.3
28	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	87	88	88	88	88	88	85.7
29	88	88	88	88	88	88	88	89	89	90	90	90	90	90	90	90	90	90	89	88	88	88	88	88	88.9
30	88	88	89	89	89	89	89	89	90	90	90	90	89	89	89	89	88	88	88	86	86	86	86	86	88.3
	87	88	88	88	88	87	86	81	76	79	80	80	80	80	81	82	82	81	81	81	80	80	80	80	82.3
Mean	87.1	87.2	87.2	87.2	87.2	87.2	87.1	86.8	86.4	86.7	87.0	87.1	87.2	87.1	87.1	87.2	87.2	87.2	87.2	86.8	86.8	86.7	86.9	87.0	87.0

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

MAY 1934

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	80	80	80	80	80	80	79	79	79	80	80	80	81	81	81	81	81	81	81	80	80	80	80	80	80.2
2	80	80	79	79	79	79																			
3																									
4														79	79	79	79	79	79	80	81	80	80	80	79.5
5	80	80	80	80	80	80								79	79	79	79	80	80	80	80	80	80	80	79.8
6	80	80	80	80	80	80	80	80	80	80	80	80		83	82	82	82	82	82	82	82	82	82	82	81.0
7	82	82	82	82	82	82	83	83	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82.2
8	82	82	82	82	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	80	80	79	79	79	80.6
9	79	79	79	79	79	79	80	80	80	80	80	80	80	81	81	81	81	80	80	80	80	80	80	80	79.9
10	80	80	80																						
11														88	88	88	88	88	88	88	88	88	88	88	88.0
12	88	88	87	87	86	86	85	85	85	86	86	86	85	85	85	84	84	84	84	84	84	84	84	84	85.2
13	84	84	84	85	86	86	86	86								88	88	88	88	88	88	89	89	89	86.8
14	89	89	89	88	88	87	85	86	85	84	84	85	86	85	85	85	85	85	85	84	83	83	83	83	85.5
15	83	83	83	83	83	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82.3
16	82	82	82	82	82	82	82	83	83	84	84	84	85	85	85	85	85	85	85	85	85	86	86	86	84.0
17	85	85	85	85	85	85	85	86	86	86	86	86	86	86	86	86	86	86	87	87	87	87	87	87	86.0
18	86	86	86	86	86	86	86	86	86	85	85	84	84	83	83	82	82	81	81						84.4
19																									
20																									
21																									
22																									
23																									
24																									
25										94	94	94	94	94	94	94	93	92	92	92	92	93	94	95	93.4
26	95	95	95	95	95	95	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	93	93	92	94.1
27	90	90	91	91	91	90	91	91	92	92	92	92	91	91	91	91	91	91	91	91	91	91	90	91	91.0
28	91	91	91	91	91	91	91	91	91	91	92	92	92	92	91	91	91	91	91	91	90	90	90	90	91.0
29	90	90	90	90	90	90	90	90	90	90															
30																									
31													90	92	93	93	92	92	92	92	92	93	93	92	
Mean	84.5	84.5	84.5	84.7	84.7	84.6	85.1	85.2	85.1	85.8	85.5	85.5	86.2	85.4	85.3	85.4	85.3	85.2	85.2	85.4	85.3	85.4	85.4	85.4	85.2

JUNE 1934

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	92	92	87	89	89	89	89	90	92	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	91.8
2	94	94	93	93	93	93	93	93	90	90	90	90	89	89	88	88	88	89	90	90	90	94	95	96	91.3
3	96	96	97	98	98	98	98	98	98	98	98	98	97	97	97	97	97	97	97	98	99	99	99	99	97.7
4	98	98	97	96	95	98	98	99	99	99	98	96	96	95	94	93	92	92	93	96	94	96	97	98	96.1
5	99	99	99	99	99	99	99	98	97	95	95	92	91	91	90	90	89	89	89	90	89	81	83	83	92.7
6	83	84	84	84	84	84	85	85	85	85	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84.2
7	84	84	84	84	84	84	84	83	83	83	83														
8												89	89	89	90	92	92	92	92	92	92	91	89	89	90.6
9	89	89	89	89	89	89	89	89	88	87	86	86	86	87	88	89	90	90	90	91	91	91	91	91	88.9
10	92	93	93	93	93	93	93	92	93	93	94	94	95	96	97	97	97	97	97	96	95	95	95	95	94.5
11	95	95	95	95	94	93	93	93	93	93	93	93	93	93	92	92	91	91	91	91	90	88	88	88	92.2
12	87	87	87	87	87	87	86	86	86	86	86	86	86	85	85	85	85	85	85	85	84	84	84	84	85.6
13																									
14														94	97	98	98	98	98	98	98	98	98	98	95.5
15	98	98	98	98	98	98	98	98	97	99	98	95	93	92	91	91	92	92	92	95	95	95	95	96	95.0
16	96	97	100	99	98	98	98	98	95	94	94	94	95	94	94	94	94	93	93	93	93	92	92	91	89.6
17	92	92	92	92	91	91	91	90	90	89	89	89	88	88	87	87	87	87							
18																									
19																				90	90	90	90	90	90.5
20	90	90	90	90	89	89	90	90	90	91	91	91	92	92	92	91	91	91	91	91	90	90	90	90	88.2
21	89	89	89	89	89	89	88	88	88	88	87	87	87												
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																86	86	86	86	85	85	85	85	85	85.1
30	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	86	86	85	85	
Mean	91.7	91.9	91.7	91.8	91.5	91.6	91.6	91.5	91.1	91.0	90.9	90.7	90.5	90.8	90.8	90.7	90.6	90.6	90.9	91.3	91.0	90.7	90.7	90.8	91.1

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

JULY 1934

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22	24	Mean
1	85	85	85	85	85	85	85	84	84	84	86	86	86	86	85	85	85	85	85	85	85	85	85	85	85.0
2	84	84	84	84	84	83	83	82	82	82	82	82	82	82	82	82	82	82	83	83	83	83	83	83	82.8
3	83	83	83	83	83	83	83	83	82	82	82	82	82	82	82	82	82	82	83	83	83	83	83	83	82.6
4	83	84	85	85	85	85	85	86	86	86	91	91	91	91	91	91	91	91	90	90	89	89	89	89	88.1
5	89	89	89	89	90	90	91	91	91	91	91	91	91	91	91	91	91	91	90	90	90	90	88	87	90.1
6	87	87	87	87	87	87	87	87	87	87	85	84	84	84	84	83	83	83	83	82	82	82	82	82	84.7
7	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	81	81	81	81	81	81	81	81	81	81.6
8	81	81	81	81	81	81	81	80	79	79	79	79	79	79	80	81	82	82	82	83	83	83	83	83	81.0
9	83	83	83	83	84	86	85	84	84	84	84	84	84	86	87	87	87	86	86	86	86	85	85	85	84.9
10	85	85	85	84	84	84	84	83	82	82	82	82	82	82	82	82	82	82	81	81	81	81	81	81	82.5
11	81	81	81	81	81	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80.3
12	80	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79.3
13	79	79	79	79	79	78	78	78	78	78	78	79	79	78	78	78	78	78	78	78	78	78	78	78	78.3
14	78	78	78	78	78	78	79	79	79	79	79	79	79	84	85	85	86	85	85	85	85	85	85	85	81.5
15	85	85	85	85	85	85	85	85	85	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83.8
16	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82	82	82	82	82	82	82.8
17	82	82	82	82	82	82	82	82	81	81	81	81	81	81	82	82	83	83	84	85	85	86	86	86	82.7
18	86	85	85	85	84	84	83	82	82	82	82	82	82	82	81	81	81	81	81	81	80	79	79	79	82.0
19	80	80	80	80	80	80	81	81	82	83	83	83	84	85	86	86	86	86	86	87	87	87	87	87	83.6
20	87	87	87	86	86	85	85	84	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	84.0
21	83	82	82	82	82	82	82	82	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	80.3
22	79	79	79	80	80	81	81	81	81	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	81.9
23	83	83	83	83	83	83	83	83	80	79	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80.5
24	80	80	80	81	81	81	81	81	82	83	83	84	84	84	85	85	86	86	87	87	87	87	87	87	83.7
25	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	89	90	90	87.4
26	90	90	90	90	90	91	91	91	92	92	92	92	92	92	92	92	93	93	93	94	94	94	95	95	92.1
27	95	95	96	96	96	96	97	98	100	100	100	100	100	100	100	100	100	100	100	99	99	98	97	96	98.2
28	96	96	95	95	95	94	94	91	87	87	87	85	85	83	83	83	83	83	83	83	83	82	82	82	87.4
29	82	82	82	82	82	82	82	82	82	82	82	82	81	81	81	81	81	81	81	81	81	80	80	80	81.4
30	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79.2
31	79	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	81	82	82	82	82	79.8
Mean	83.8	83.7	83.8	83.8	83.8	83.8	83.8	83.5	83.3	83.3	83.4	83.4	83.4	83.6	83.7	83.6	83.8	83.7	83.7	83.9	83.8	83.7	83.7	83.7	83.7

AUGUST 1934

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	82	82	82	82	82	82	83	83	83	82	82	82	81	81	81	81	81	81	81	81	81	81	81	81	81.6
2	81	82	82	82	82	82	82	83	83	83	84	84	83	84	85	87	88	89	90	90	90	90	90	90	85.2
3	90	90	90	90	89	89	89	89	89	89	89	88	88	87	87	86	86	86	86	84	84	84	84	84	87.4
4	84	84	84	84	84	84	85	86	87	87	86	86	86	85	85	85	85	85	85	85	85	86	86	85	85.1
5	87	87	87	88	88	89	89	90	90	90	90	89	89	88	88	88	88	88	87	87	86	85	85	85	87.8
6	85	85	85	85	84	84	84	84	84	84	84	84	84	84	83	83	83	83	83	83	82	82	82	81	83.5
7	80	80	80	80	80	79	79	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78.5
8	78	78	78	78	78	78	79	80	81	81	82	82	82	82	82	82	82	82	82	82	82	81	81	81	80.6
9	81	82	82	83	84	84	84	85	85	86	86	86	86	86	85	85	85	84	84	84	84	84	84	84	84.3
10	84	84	84	84	84	84	84	84	83	83	83	83	83	82	82	82	82	82	83	83	82	82	82	82	83.0
11	82	81	81	81	85	84	84	84	83	83	83	83	83	83	81	81	81	80	80	80	80	80	80	80	81.8
12	80	80	80	80	80	80	80	80	79	79	79	79	78	78	77	77	77	77	77	77	77	77	77	77	78.4
13	77	77	77	77	77	78	78	78	78	78	78	79	79	79	79	80	80	80	80	80	80	80	80	80	78.7
14	80	80	80	80	80	80	80	80	79	80	80	80	81	82	82	83	83	83	83	82	82	82	82	82	81.1
15	82	82	82	81	81	81	81	81	81	81	81	82	82	82	82	83	83	83	83	83	83	85	85	85	82.3
16	86	86	86	86	86	86	86	86	87	87	87	87	87	86	86	86	86	86	86	86	85	85	85	85	86.0
17	86	86	86	85	85	85	84	84	83	83	83	83	83	82	82	82	82	82	82	81	81	81	81	81	83.0
18	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81.0
19	81	81	81	81	81	81	81	80	80	80	80	80	80	81	81	81	81	81	81	81	82	82	82	82	80.9
20	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81.0
21	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81.0
22	81	81	81	81	81	81	81	81	81	81	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79.9
23	78	78	78	78	78	78	77	77	77	77	77	78	79	79	79	79	79	79	80	79	79	79	79	79	78.3
24	79	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77.4
25	77	77	77	77	77	77	77	77	77	78	78	78	78	78	79	79	79	78	78	78	78	77	77	77	77.6
26	77	78	80	81	82	82	81	81	81	81	80	80	80	80	79	79	79	79	79	78	78	78	78	78	79.5
27	78	78	78	78	78	78	78	78	78	77	77	77	76	76	76	76	76	77	79	81	79	82	84	84	78.3
28	85	85	85	85	85	85	85	85	85	85	84	84	84	84	84	84	83	83	83	83	80	80	80	80	83.6
29	80	80	80	80	80	80	80	80	80	80	81	81	80	79	79	79	79	79	79	79	79	79	79	78	79.6
30	78	78	78	78	78	78	77	77	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	76.3
31	75	75	75	75	75	75	76	76	76	77	77	77	77	77	77	77	77	77	78	79	79	79	79	79	76.8
Mean	81.2	81.2	81.3	81.3	81.5	81.5	81.5	81.6	81.4	81.5	81.5	81.5	81.4	81.2	81.1	81.2	81.2	81.2	81.3	81.2	81.0	81.0	81.1	81.0	81.3

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

SEPTEMBER 1934

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	79	79	79	79	79	80	80	80	80	80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	80	79	79	80	81	78.8
3	81	81	81	81	80	80	80	79	79	78	78	78	78	78	78	78	78	78	78	77	78	78	78	77	81.8
4	77	77	77	77	77	77	77	77	77	77	77	77	80	85	85	86	87	87	88	88	88	88	88	88	85.3
5	88	88	88	88	88	87	87	87	86	86	86	86	86	84	84	84	84	84	83	83	83	83	83	82	79.4
6	82	82	82	82	82	82	82	82	82	82	82	81	81	77	77	77	77	76	76	76	76	76	76	77	76.2
7	77	77	77	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	75.3
8	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	78.4
9	75	75	75	75	75	75	75	76	77	78	79	80	80	82	82	82	82	82	81	79	79	79	79	79	76.9
10	79	79	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	76	76	76	75	75	75	75	76.4
11	75	75	75	76	76	76	77	78	78	78	78	77	77	77	76	76	76	76	76	76	76	76	76	76	75.7
12	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	74.3
13	75	75	75	75	75	74	74	74	74	74	74	74	75	75	75	74	74	74	74	74	74	74	74	74	74.3
14	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	75	75	75	75	76	76	80.5
15	77	78	78	79	79	79	79	80	80	80	80	82	82	82	83	82	82	82	82	81	81	81	81	81	78.8
16	81	82	82	81	81	81	80	80	80	80	80	80	79	79	78	78	77	76	76	76	76	76	76	76	75.2
17	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75	75	75	74	74	74	77.0
18	75	75	75	75	75	75	76	77	77	77	78	78	78	78	78	77	77	78	78	78	78	78	78	78	79.6
19	78	78	78	79	79	79	79	80	80	80	80	80	81	81	81	81	81	80	80	79	79	79	79	79	79.9
20	79	80	80	80	80	80	80	80	81	81	80	79	78	78	77	76	75	76	81	82	83	83	84	84	87.5
21	85	85	85	86	86	86	86	88	90	89	89	89	91	92	92	91	89	88	87	86	86	85	85	84	82.3
22	84	84	84	84	84	83	83	82	81	81	80	80	80	80	80	80	81	82	83	84	84	84	84	84	86.8
23	85	85	85	85	85	85	85	86	86	86	86	86	86	86	87	87	88	89	89	89	89	89	89	89	81.2
24	89	89	87	85	84	83	82	81	81	81	81	80	80	80	80	80	79	79	79	79	78	78	78	77	79.1
25	77	77	77	77	77	77	77	79	79	79	79	79	79	79	79	80	80	81	81	81	81	82	81	81	79.9
26	81	81	81	81	81	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79	79	79	80.1
27	79	79	80	80	80	80	79	79	79	79	79	79	79	80	80	80	80	79	78	79	81	83	86	85	80.8
28	85	84	84	83	83	81	81	81	82	82	81	80	79	79	79	80	80	80	80	79	79	79	79	79	78.4
29	79	79	79	79	79	79	80	80	80	80	79	79	79	79	79	78	78	77	77	77	77	76	76	76	82.6
30	76	76	77	78	78	79	80	82	85	87	87	85	82	83	83	85	86	88	88	88	85	83	81	80	79.4
Mean	79.3	79.4	79.3	79.4	79.3	79.1	79.1	79.4	79.6	79.6	79.5	79.4	79.4	79.5	79.5	79.5	79.4	79.4	79.5	79.4	79.3	79.2	79.3	79.2	

OCTOBER 1934

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	80	80	80	80	80	80	80	80	80	80	80	80	80	78	78	78	78	78	78	78	78	78	78	78	79.1
2	78	78	78	78	78	78	78	78	77	76	76	76	76	77	77	77	77	77	78	78	78	78	78	78	77.4
3	78	78	78	78	79	79	79	79	80	80	80	80	80	80	80	80	81	81	82	82	82	82	82	82	80.1
4	83	83	83	83	83	84	85	85	86	86	86	86	86	87	87	87	87	88	88	88	88	88	88	88	86.0
5	88	88	88	88	87	87	87	88	88	88	89	89	89	90	91	91	91	92	92	93	94	95	95	95	90.1
6	95	94	94	94	91	88	87	86	84	83	82	81	81	80	80	80	80	80	81	82	83	83	84	84	84.9
7	84	84	84	84	84	84	84	84	84	84	85	85	85	86	87	87	87	87	87	86	86	86	86	86	85.2
8	86	86	86	87	87	88	89	90	90	90	89	90	91	92	93	93	93	93	93	93	92	92	92	90	90.2
9	90	90	90	90	90	90	90	90	89	89	89	88	87	85	84	83	82	84	85	85	86	85	85	85	87.1
10	85	85	85	85	85	84	84	84	84	84	84	84	84	84	84	84	84	84	85	86	87	87	87	87	84.8
11	87	86	86	86	85	85	85	84	84	84	84	83	83	81	81	81	81	81	81	81	82	82	82	81	83.2
12	81	81	81	81	81	80	79	78	78	77	77	77	78	78	78	78	78	78	79	79	80	80	81	81	79.1
13	81	80	80	80	80	80	80	80	80	80	80	80	80	81	82	83	83	84	84	84	84	84	85	85	81.7
14	85	86	86	86	86	86	86	85	85	85	84	83	84	85	86	86	86	86	86	86	87	87	86	86	85.6
15	86	86	86	86	86	86	86	86	85	85	85	86	85	84	83	84	84	84	84	85	85	85	85	85	85.1
16	85	85	85	85	85	84	84	83	83	83	83	84	83	82	81	82	83	83	83	83	84	84	84	84	83.5
17	84	84	84	83	83	83	83	83	82	82	82	81	81	81	81	81	82	82	82	81	81	81	81	81	82.0
18	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	81	81	81	80	79	79	78	78	78	80.5
19	78	78	78	78	78	78	78	79	79	79	80	80	80	80	80	80	80	79	79	79	79	79	78	78	78.9
20	78	78	78	78	79	79	79	79	81	81	81	81	81	81	81	81	81	81	81	81	78	78	78	78	79.7
21	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	78	78	78	78	78	77.8
22	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	77.5
23	77	77	77	77	77	77	75	73	72	71	70	70	73	74	74	75	76	77	77	77	78	78	78	78	75.3
24	78	78	78	78	78	78	78	79	80	80	80	80	80	81	81	81	81	81	82	82	82	82	82	82	80.1
25	82	82	82	81	81	81	81	80	79	78	78	78	76	76	76	75	75	75	75	76	76	76	76	76	78.0
26	76	76	76	76	76	77	76	76	75	75	75	75	75	75	73	72	71	71	71	73	74	75	75	75	74.5
27	75	76	75	73	73	72	72	72	73	73	73	73	73	73	72	72	72	71	71	72	72	73	73	74	72.8
28	74	75	75	75	76	76	77	78	79	79	79	80	80	81	81	81	81	81	81	81	81	81	81	81	78.9
29	79	77	----	----	----	----	----	----	----	----	77	76	75	75	75	75	75	75	75	75	75	75	75	75	75.6
30	75	74	71	70	70	70	70	70	70	70	70	70	68	68	68	68	68	68	68	68	68	69	69	68	69.5
31	68	68	68	68	66	66	64	63	63	63	63	66	66	63	62	61	61	63	63	65	66	67	67	67	64.9
Mean	81.1	81.0	81.0	80.8	80.7	80.6	80.4	80.3	80.2	80.1	79.9	80.0	79.9	79.8	79.8	79.7	79.8	80.0	80.2	80.4	80.6	80.7	80.8	80.7	80.3

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

NOVEMBER 1934

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	67	67	67	67	68	68	69	69	69	69	69	71	70	69	69	69	68	69	69	70	71	71	71	71	69.0
2	70	68	68	68	66	66	67	66	65	65	65	65	65	65	66	70	70	70	69	70	70	70	70	71	67.7
3	75	76	76	77	77	76	76	79	81	82	82	83	83	83	84	84	84	84	84	84	84	83	83	83	81.0
4	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	83	82	82	83	83	83	83	83	82.3
5	83	83	83	83	83	83	83	83	84	83	83	82	82	82	82	82	82	81	81	78	85	84	83	83	82.5
6	82	82	82	82	82	82	82	82	81	81	81	82	82	82	83	83	82	82	81	81	80	79	79	78	81.4
7	78	78	78	78	78	79	79	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79.5
8	80	80	80	80	80	80	80	80	80	80	81	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	87	87	88	88	88	----
11	87	87	87	87	87	86	86	86	86	86	86	86	86	85	85	85	85	84	83	82	83	84	84	83	85.2
12	82	81	79	77	72	73	71	68	70	72	68	66	67	65	75	80	85	87	88	87	85	84	87	86	77.3
13	83	83	83	84	82	79	76	80	80	79	78	82	82	76	74	77	81	87	87	88	90	91	91	95	82.8
14	96	94	93	93	93	92	91	90	87	85	83	81	78	80	78	83	81	86	86	85	85	88	88	88	86.8
15	88	87	83	83	82	81	81	81	80	83	85	88	85	81	81	81	81	81	82	82	82	83	81	81	82.6
16	81	81	80	80	83	84	84	83	84	84	84	83	83	82	82	81	81	82	82	79	78	77	76	76	81.2
17	76	75	73	74	75	75	78	73	74	77	79	79	82	82	83	84	85	85	86	87	90	91	91	91	81.0
18	90	88	86	85	84	82	81	80	80	81	82	82	82	80	80	81	81	81	79	79	79	79	81	81	81.8
19	82	79	83	82	81	81	81	80	78	82	82	81	81	83	85	83	82	83	80	83	85	87	86	87	82.4
20	87	87	84	85	85	84	86	89	89	89	89	89	89	88	87	87	90	94	94	95	96	96	95	95	89.5
21	95	95	95	94	93	91	91	90	88	87	87	86	86	84	82	81	81	83	81	76	77	79	81	81	86.0
22	81	79	76	78	79	73	75	79	80	83	81	82	82	82	83	83	83	82	81	82	82	82	82	80	80.4
23	77	77	79	80	81	82	81	81	81	80	79	79	79	76	77	77	78	78	77	73	79	81	82	81	79.0
24	81	81	81	81	82	81	81	80	82	91	86	88	86	81	79	78	79	82	82	86	87	88	93	94	83.8
25	93	93	92	93	88	90	90	91	91	92	92	92	99	99	99	98	97	97	97	97	97	97	97	97	94.5
26	97	96	96	95	94	91	90	91	91	92	92	95	96	96	96	95	92	87	90	88	87	86	88	88	92.0
27	90	88	84	85	87	86	85	85	85	85	82	86	84	82	83	85	88	89	91	91	92	92	92	92	87.0
28	91	91	91	90	89	87	87	87	85	82	82	81	82	82	82	80	79	79	79	79	80	80	80	80	83.5
29	79	79	79	82	81	80	80	75	74	69	68	71	75	78	80	81	80	78	80	81	80	83	83	85	78.4
30	83	80	80	85	87	87	88	88	88	88	88	88	88	88	87	86	85	74	68	78	81	82	84	85	84.0
Mean	83.5	82.8	82.1	82.5	82.2	81.5	81.5	81.4	81.2	81.7	81.3	81.9	82.1	81.2	81.6	82.1	82.3	82.5	82.2	82.5	83.4	83.9	84.2	84.4	82.3

DECEMBER 1934

[Relative humidity in percent. 180th meridian time]

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	85	89	89	92	90	91	94	91	90	87	86	89	91	88	88	93	92	92	91	90	88	87	87	88	89.5
2	88	91	91	90	82	85	85	85	85	85	85	85	85	85	84	84	85	88	88	89	90	91	91	91	87.0
3	91	90	89	87	88	88	87	86	84	83	82	81	83	82	84	84	85	86	89	91	92	95	87	92	86.9
4	92	90	88	83	82	85	94	91	90	84	80	80	81	81	83	84	84	84	89	90	88	86	88	89	86.1
5	89	89	87	84	82	79	80	79	78	77	75	78	77	77	75	77	80	84	84	83	84	75	79	81	80.5
6	81	82	84	83	78	77	80	82	81	80	80	77	74	74	75	81	82	82	84	86	87	87	88	86	81.3
7	86	86	86	84	80	75	70	69	76	78	78	79	80	82	82	81	81	82	82	83	83	83	82	79	80.3
8	78	77	75	83	79	79	80	81	80	79	79	79	78	78	78	80	76	73	78	78	81	82	84	81	79.0
9	80	82	82	87	86	76	86	89	81	81	77	63	62	70	76	78	77	76	77	78	83	86	87	87	79.5
10	86	86	86	87	86	86	87	87	87	87	86	87	87	87	87	87	87	86	86	86	86	85	84	84	86.2
11	84	78	72	73	69	68	73	69	70	72	71	65	72	66	75	78	79	79	78	77	76	77	77	73	73 8
12	70	72	70	65	68	69	70	70	71	71	68	69	71	74	77	72	72	73	73	76	78	81	81	82	72.6
13	81	80	81	87	93	85	75	81	85	84	82	77	74	79	79	79	77	75	71	73	75	79	79	73	79.3
14	79	78	83	83	87	91	93	94	93	91	90	89	89	87	86	87	88	86	84	84	80	87	92	93	87.2
15	93	92	93	92	92	92	92	92	91	80	77	78	76	80	83	79	77	77	76	74	74	74	69	75	82.4
16	73	75	72	71	72	75	72	77	79	79	81	80	80	83	81	76	84	84	83	84	88	85	75	75	78.5
17	78	80	69	78	78	82	85	86	86	81	77	72	68	68	72	72	75	75	76	80	90	90	91	90	79.1
18	93	97	97	95	95	95	93	87	83	83	83	83	84	84	85	88	92	89	92	94	93	92	92	92	90.0
19	92	93	92	91	92	92	92	91	91	91	88	90	89	91	92	92	93	94	93	94	95	96	97	97	92.4
20	97	96	95	93	93	87	78	73	69	68	69	66	67	85	92	92	92	96	96	96	94	91	90	88	86.0
21	89	90	90	90	90	91	92	94	94	94	95	95	95	96	96	96	96	96	97	97	97	97	97	97	94.2
22	97	97	97	97	97	97	97	97	97	97	97	95	95	93	91	91	98	97	97	96	96	96	95	94	95.9
23	94	93	93	92	91	90	90	86	85	82	81	77	76	75	75	75	75	75	75	77	75	74	71	73	81.2
24	75	78	78	79	79	79	79	79	73	72	71	72	73	72	69	74	77	78	80	79	83	85	87	86	77.4
25	84	80	80	82	81	72	72	75	77	78	76	75	76	76	78	79	79	80	84	85	85	85	84	83	79.4
26	83	83	81	79	79	82	82	82	83	83	83	83	86	85	85	86	87	87	90	89	89	82	79	76	83.5
27	74	73	73	69	73	77	79	77	73	72	70	73	71	76	77	79	80	79	79	79	80	82	83	84	76.3
28	84	83	83	82	82	80	80	76	76	77	75	74	75	76	76	75	74	75	70	69	74	77	76	66	76.5
29	63	59	59	68	71	71	71	73	68	69	72	71	72	75	73	65	72	72	64	72	75	73	72	72	69.7
30	70	71	73	80	83	84	82	83	83	82	81	79	77	72	70	70	58	62	74	73	75	74	80	80	75.7
31	81	81	80	77	75	69	74	74	75	80	84	79	69	67	73	64	72	70	79	78	80	83	85	83	76.3
Mean	83.5	83.5	82.8	83.4	83.0	82.2	82.7	82.5	81.7	80.9	80.0	78.7	78.5	79.5	80.5	80.6	81.5	81.7	82.5	83.2	84.3	84.4	84.2	83.5	82.1

TABLE 36.—*Relative humidity—hourly values, Little America*—Continued

JANUARY 1935

[Relative humidity in percent. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	23	Mean
Day																									
1	80	73	82	81	78	80	82	85	84	83	83	80	78	75	76	77	75	81	84	84	85	89	92	91	81.6
2	96	96	94	95	94	88	87	81	75	75	75	77	79	83	82	83	85	88	88	88	89	89	90	91	86.2
3	90	89	89	89	89	88	88	87	86	82	76	75	79	80	80	80	80	77	77	79	79	78	78	76	82.1
4	74	75	74	74	73	73	74	75	75	75	75	75	74	73	73	74	73	73	77	77	80	70	73	76	74.4
5	74	77	74	71	73	74	76	76	79	79	82	82	82	82	82	81	81	75	72	79	80	81	80	79	78.0
6	79	79	79	79	80	81	82	83	84	86	85	85	85	86	85	85	85	85	86	86	86	87	87	89	83.9
7	88	88	87	87	88	86	85	85	85	85	85	85	86	86	86	87	88	87	87	86	86	90	90	88	86.7
8	88	88	88	88	87	87	86	86	86	86	86	85	85	85	85	85	85	87	88	89	91	92	91	91	87.3
9	91	91	91	91	91	91	90	88	87	85	85	85	84	83	83	82	83	84	79	82	85	98	96	96	87.5
10	96	96	96	96	96	97	97	97	96	82	74	68	70	73	73	73	80	83	84	85	87	87	88	91	86.0
11	91	93	89	88	86	89	89	85	84	84	85	86	85	86	87	85	85	83	85	92	89	85	86	89	86.9
12	91	92	92	90	90	93	92	92	91	91	91	90	90	86	88	91	88	94	91	85	85	89	89	88	90.0
13	90	90	91	90	88	87	84	84	82	78	70	82	84	84	84	84	86	85	85	85	88	90	90	90	85.5
14	89	90	89	89	87	87	86	85	84	84	81	81	78	78	80	82	83	86	85	87	88	89	90	90	85.3
15	91	92	92	92	92	92	92	91	89	88	86	79	78	77	82	84	85	85	88	88	88	90	91	93	87.7
16	89	89	91	90	90	89	90	89	87	87	85	85	83	82	83	83	82	82	85	88	88	88	88	90	86.8
17	89	87	90	89	86	85	85	83	81	79	79	73	70	68	71	69	73	79	80	83	87	88	88	88	81.2
18	88	85	86	84	84	81	78	78	76	78	79	78	82	83	83	83	85	87	88	90	90	90	90	90	84.0
19	90	90	90	90	90	90	90	89	89	89	89	89	83	76	70	86	88	89	89	89	89	89	89	89	87.5
20	89	90	90	89	88	88	88	87	87	87	87	86	86	84	85	85	85	86	87	87	85	83	82	77	86.2
21	84	87	81	80	79	83	82	83	87	83	79	78	75	80	80	80	76	77	76	75	73	83	88	86	80.6
22	88	90	88	88	87	87	87	86	86	83	69	66	70	80	85	87	87	77	71	76	74	76	77	75	80.8
23	76	79	80	80	81	82	91	92	95	95	95	96	96	95	95	95	95	95	95	97	97	97	96	96	91.3
24	96	96	95	95	95	94	93	92	92	92	92	92	91	84	84	83	83	83	83	82	85	84	84	84	88.9
25	85	85	84	85	84	83	8[illegible]	81	79	74	78	79	78	82	83	85	84	85	84	82	84	91	92	92	83.4
26	93	93	93	94	94	95	95	95	95	95	95	95	95	95	95	94	94	94	94	94	93	91	86	86	93.5
27	87	88	88	85	87	90	88	88	89	88	88	86	86	86	86	87	87	87	87	88	90	88	89	89	87.6
28	89	89	88	87	87	87	86	85	85	84	83	84	85	85	86	90	90	91	91	91	92	92	92	92	88.0
29	92	92	92	92	92	92	92	92	93	93	93	93	93	93	91	89	89	89	90	89	89	89	89	89	91.1
30	90	90	90	89	89	89	89	88	88	88	87	86	86	85	87	86	85	84	86	85	86	86	87	88	87.2
31	88	88	87	88	88	87	87	86	86	86	86	86	86	85	85	85	87	88	87	86	86	86	87	88	86.6
Mean	87.8	88.0	87.7	87.3	86.9	86.9	86.9	86.3	85.9	84.6	83.3	82.8	82.6	82.6	83.1	83.9	84.3	84.7	84.8	85.6	86.3	87.3	87.6	87.6	85.6

TABLE 37.—*Cloudiness—hourly values, Little America*

JANUARY 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	-----	-----	-----	-----	-----	-----	-----	9	9	10	10	10	10	10	9	9	8	9	8	8	-----	-----	-----	-----	9.2
2	-----	-----	-----	-----	-----	-----	-----	10	10	9	9	9	9	9	9	9	9	9	9	9	-----	-----	-----	-----	9.2
3	-----	-----	-----	-----	-----	-----	-----	8	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	-----	9					6.3
4	-----	-----	-----	-----	-----	-----	-----	8	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	4.7
5	-----	-----	-----	-----	-----	-----	-----	7	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	7	-----	-----	-----	-----	5.0
6	-----	-----	-----	-----	-----	-----	-----	9	8	8	10	10	10	10	10	9	9	9	9	9	-----	-----	-----	-----	9.2
7	-----	-----	-----	-----	-----	-----	-----	10	-----	-----	-----	-----	-----	10	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	9.7
8	-----	-----	-----	-----	-----	-----	-----	9	9	9	10	10	10	10	10	10	9	9	9	9	-----	-----	-----	-----	9.5
9	-----	-----	-----	-----	-----	-----	-----	10	10	10	10	10	10	10	7	7	7	8	9	9	-----	-----	-----	-----	9.0
10	-----	-----	-----	-----	-----	-----	-----	10	10	9	9	9	9	9	9	9	9	9	9	9	-----	-----	-----	-----	9.2
11	-----	-----	-----	-----	-----	-----	-----	6	5	2	1	1	2	3	3	2	1	1	2	2	-----	-----	-----	-----	2.4
12	-----	-----	-----	-----	-----	-----	-----	5	5	7	9	9	10	10	10	10	10	10	10	10	-----	-----	-----	-----	8.8
13	-----	-----	-----	-----	-----	-----	-----	10	10	10	10	10	9	9	8	8	7	6	4	4	-----	-----	-----	-----	8.1
14	-----	-----	-----	-----	-----	-----	-----	5	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	7.7
15	-----	-----	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	-----	3	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	4.7
16	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	1.3
17	-----	-----	-----	-----	-----	-----	-----	3	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	1.7
18	-----	-----	-----	-----	-----	-----	-----	5	-----	-----	-----	-----	-----	8	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	7.3
19	-----	-----	-----	-----	-----	-----	-----	1	3	5	8	9	9	8	8	9	8	8	9	9	-----	-----	-----	-----	7.2
20	-----	-----	-----	-----	-----	-----	-----	7	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	-----	10	-----	-----	-----	-----	8.7
21	-----	-----	-----	-----	-----	-----	-----	10	10	9	9	9	9	9	9	9	9	9	9	9	-----	-----	-----	-----	9.2
22	-----	-----	-----	-----	-----	-----	-----	8	8	7	6	6	6	4	7	9	8	9	9	9	-----	-----	-----	-----	7.4
23	-----	-----	-----	-----	-----	-----	-----	10	10	9	9	10	10	10	10	10	10	10	10	10	-----	-----	-----	-----	9.8
24	-----	-----	-----	-----	-----	-----	-----	6	6	5	6	7	10	2	1	1	2	1	2	2	-----	-----	-----	-----	3.9
25	-----	-----	-----	-----	-----	-----	-----	10	10	10	10	10	10	10	10	10	9	10	9	9	-----	-----	-----	-----	9.8
26	-----	-----	-----	-----	-----	-----	-----	10	-----	-----	-----	-----	-----	9	-----	-----	-----	-----	-----	8	-----	-----	-----	-----	9.0
27	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	F	-----	-----	-----	-----	0.7
28	-----	-----	-----	-----	-----	-----	-----	7	-----	-----	-----	-----	-----	10	10	10	10	10	10	10	-----	-----	-----	-----	9.6
29	-----	-----	-----	-----	-----	-----	-----	10	10	10	10	10	10	9	-----	-----	-----	-----	-----	4	-----	-----	-----	-----	9.1
30	-----	-----	-----	-----	-----	-----	-----	3	-----	-----	-----	-----	-----	8	-----	-----	-----	-----	-----	2	-----	-----	-----	-----	4.3
31	-----	-----	-----	-----	-----	-----	-----	F	F	F	F	F	F	F	F	F	F	F	F	F	-----	-----	-----	-----	F
Mean	-----	-----	-----	-----	-----	-----	-----	7.0	7.8	7.6	8.0	8.2	8.4	6.7	7.6	7.7	7.4	7.5	7.5	6.5	-----	-----	-----	-----	7.4

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

FEBRUARY 1929

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1																									
2								10						9						9					9.3
3								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
4								10	10	9	9	9	9	9	9	9	9	9	9	9					9.2
5								9	9					9					6	5					7.6
6								6						4						1					3.7
7								7					6	5			6			5					5.8
8								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
9								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
11								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
12								10	10	10	10	10	10	10	10	10	9	9	9	9					9.7
13								9	9	9	9	10	10	10	10	10	10	10	10	10					9.7
14								10	10	9	4	2	3	9	10	10	9	10	9	9					8.0
15								9	9	9	8	8	7	8	8	9	7	6	6	6					7.7
16								9	9	9	9	10	10	10	10	10	10	10	10	10					9.7
17								10	10	9	9	8	9	8	8	9	9	9	9	9					8.9
18								1	5	6	3	7	3	6	5	5	6	5	5	4					4.7
19								F	F	F	F	F	F	F	F	F	F	1	1	2					0.3
20								0	0	0	0	0	0	0	0	0	0	0	0	0					0.0
21								5	6	6	8	9	8	9	8	7	7	8	7	7					7.3
22								F	F	F	1	F	F	F	F	F	1	1	1	2					0.4
23								1	4	6	7	8	8	7	6	4	1	F	0	0					4.0
24								6	6	5	5	5	8	9	9	9	9	9	9	9					7.5
25								9	9	9	9	9	9	9	9	9	10	10	10	10					9.3
26								9	9	9	9	10	9	9	9	9	9	10	10	10					9.3
27								9	9	9	8	8	9	8	8	9	9	9	9	9					8.7
28								9	9	8	9	9	8	9	9	8	8	8	9	9					8.6
								9	9	9	9	8	8	8	9	9	8	9	9	9					8.7
Mean								7.4	7.7	7.5	7.3	7.5	7.3	7.7	7.8	7.7	7.5	7.6	7.5	7.2					7.5

MARCH 1929

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1																									
2								10	10	10	10	10	10	9	9	9	9	9	9	9					9.5
3								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
4								10	10	10	10	10	9	9	9	8	8	8	7	7					8.8
5								9	9	9	9	9	9	9	10	10	10	10	10	10					9.5
6								8	9	10	10	10	10	10	10	10	10	10	10	10					9.8
7								10	10	10	10	10	10	10	9	9	10	10	10	10					9.8
8								9	9	8	8	8	8	8	8	8	8	8	9	9					8.3
9								10	10	10	10	8	6	3	2	2	2	2	2	1					5.2
10								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
11								10	8	5	5	2	1	3	5	8	8	9	9	8					6.2
12								9	9	9	9	9	9	9	9	8	7	2	2	8					7.6
13								10	10	10	10	10	10	10	10	10	10	10	9	9					9.8
14								9	9	9	9	8	8	8	8	8	8	8	8	8					8.3
15								7	9	9	9	9	9	9	9	9	10	10	10	10					9.2
16								9	10	10	10	10	9	9	9	10	10	10	9	10					9.6
17								10	10	10	10	10	10	10	10	10	10	9	8	9					9.7
18								9	9	7	5	2	1	1	2	4	6	7	7	9					5.3
19								9	8	8	8	8	8	7	6	6	4	4	3	3					6.3
20								9	9	9	10	9	10	10	10	10	10	10	10	10					9.7
21								10	10	10	10	10	10	10	10	10	9	10	10	9					9.8
22								10	10	10	10	10	10	10	10	10	10	9	9	8					9.7
23								8	8	8	8	7	7	7	6	5	4	4	4	4					6.2
24								0	F	F	F	F	F	F	F	F	1	3	4	3					0.8
25								9	9	8	9	10	10	10	10	10	10	10	10	10					9.6
26								10	10	10	10	9	9	9	9	9	9	9	9	9					9.3
27								10	9	7	5	3	3	3	7	9	10	10	10	10					7.4
28								10	10	9	8	3	2	4	5	6	6	7	8	9					7.5
29								1	3	5	8	8	9	10	10	10	10	10	10	10					8.0
30								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
31								10	10	10	10	10	10	10	9	9	6	4	2	2					7.8
								9	9	8	8	8	6	5	3	F	F	F	0	F					4.3
Mean								8.8	8.9	8.6	8.6	8.1	7.8	7.8	7.9	8.3	7.9	7.8	7.7	7.9					8.2

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

APRIL 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	-----	-----	-----	-----	-----	-----	0	0	0	F	F	F	F	F	F	F	F	F	F	0	0	0	-----	-----	F
2	-----	-----	-----	-----	-----	-----	F	F	1	1	1	1	1	1	1	1	1	1	2	2	-----	-----	-----	-----	1.0
3	-----	-----	-----	-----	-----	-----	3	2	2	2	2	2	1	1	1	1	1	F	F	F	F	-----	-----	-----	1.2
4	-----	-----	-----	-----	-----	-----	-----	6	4	2	1	1	1	F	F	F	F	F	0	0	0	0	0	0	1.4
5	1	5	2	1	3	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8.0
6	8	6	8	9	10	10	10	10	9	8	9	7	6	8	8	7	6	4	3	2	2	2	2	2	6.5
7	1	1	1	1	1	1	2	3	7	9	8	6	3	2	8	10	5	5	3	F	F	F	0	0	3.2
8	0	0	0	0	0	0	0	F	2	2	5	8	7	9	10	10	10	10	10	9	10	10	8	8	5.3
9	10	9	8	8	5	5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.3
10	10	10	10	10	10	10	5	3	3	3	1	1	F	F	F	F	F	F	F	0	0	0	1	1	3.2
11	2	2	3	1	1	1	F	F	F	F	F	F	0	0	0	0	0	0	1	1	F	F	F	1	0.5
12	2	2	1	4	7	8	10	10	9	8	10	10	10	10	10	10	10	10	10	2	5	9	10	10	7.8
13	10	8	5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9.5
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10.0
15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	8	9	9.7
16	9	8	8	10	10	10	10	10	10	10	10	10	10	9	9	9	8	9	9	5	3	2	2	1	8.0
17	3	2	F	3	7	9	9	8	4	1	F	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9
18	0	0	0	2	6	8	8	8	8	8	8	8	8	8	8	7	7	6	5	5	3	9	2	0	5.5
19	0	0	1	1	1	5	7	7	7	6	3	2	1	1	1	1	1	F	F	F	1	6	10	10	3.0
20	10	10	10	10	10	9	9	9	9	10	10	10	10	10	10	10	7	5	3	1	1	1	F	F	7.2
21	1	1	2	2	0	0	1	3	4	4	7	8	9	10	10	10	10	10	9	10	10	10	10	10	6.3
22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	5	4	3	1	1	F	8.0
23	2	8	9	10	10	9	9	9	9	9	9	9	10	10	10	9	8	8	7	5	8	9	10	10	8.6
24	10	10	10	10	10	10	5	4	3	3	1	2	5	7	6	6	6	6	5	4	1	0	0	0	5.2
25	0	0	0	0	0	0	1	1	2	2	3	4	3	3	5	9	10	10	10	10	10	10	10	10	4.7
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
27	10	10	10	10	10	10	9	4	5	2	2	F	F	0	0	0	0	0	0	0	0	2	1	4	3.7
28	3	4	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	2	1	0	F	3	7.4
29	4	5	5	7	7	7	7	7	9	10	10	10	9	9	9	7	5	3	3	1	3	4	4	3	6.2
30	3	3	3	3	4	3	2	F	F	F	F	1	2	4	6	7	8	8	8	8	8	8	9	10	4.5
Mean	5 4.	5.5	5.4	6.1	6.6	6.8	6.3	6.1	6.2	6.0	6.0	6.0	5.9	6.1	6.4	6.5	6.1	5.8	5.3	4.4	4.4	5.0	5.0	5.1	5.7

MAY 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
3	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	3	3	3	2	2	1	8.0
4	1	2	1	1	0	0	0	1	1	F	F	F	F	1	1	F	F	F	0	0	0	0	0	0	0.4
5	0	0	0	0	0	0	0	F	F	F	F	0	0	0	0	0	0	0	0	0	0	0	2	2	0.2
6	2	3	2	2	1	0	1	3	2	1	1	1	2	3	3	2	1	2	2	2	1	0	0	0	1.5
7	0	1	0	0	0	0	1	3	3	4	2	3	3	3	3	2	2	2	1	0	0	0	0	0	1.4
8	0	0	0	0	F	1	3	4	3	9	10	10	10	10	10	10	10	10	10	10	10	8	10	10	6.6
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	6	3	4	4	5	6	8.5
10	8	9	10	10	10	10	10	10	10	10	10	10	8	8	8	7	8	8	10	8	8	7	8	10	9.0
11	10	10	10	10	10	10	10	10	10	10	10	10	8	6	7	7	7	8	8	2	5	9	8	7	8.4
12	7	2	9	5	7	6	3	2	2	2	2	2	2	1	8	5	6	7	8	8	4	4	2	2	4.4
13	1	1	0	2	0	2	4	4	6	6	7	6	4	4	3	2	1	F	F	0	0	0	0	1	2.2
14	1	2	3	3	2	2	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
15	0	0	0	0	0	0	0	0	F	F	1	F	F	F	F	F	F	F	F	1	F	0	0	0	0.1
16	F	0	5	1	1	0	0	1	2	3	7	7	8	9	8	8	8	9	10	3	5	3	1	1	4.2
17	9	10	10	9	1	1	3	10	10	10	10	9	9	8	7	2	F	F	F	1	F	F	F	F	5.0
18	0	1	1	1	1	1	1	1	F	F	F	F	F	F	1	2	6	10	10	10	10	8	9	10	3.5
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8	6	6	10	10	9.5
20	6	8	8	4	2	2	4	7	6	6	6	6	4	2	3	6	8	10	10	9	9	10	10	10	6.5
21	9	9	9	9	7	2	2	2	6	9	8	6	9	9	9	9	9	9	9	7	8	1	10	10	7.4
22	10	10	10	10	10	10	8	9	9	9	9	10	10	10	10	10	10	10	10	10	9	9	9	10	9.6
23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
24	4	8	9	8	7	6	10	10	10	10	10	10	9	10	10	10	10	10	8	9	6	10	10	10	8.9
25	10	10	10	10	10	10	10	3	9	9	9	9	8	1	5	9	10	10	10	10	10	10	2	1	8.1
26	2	3	1	10	4	3	4	10	10	9	9	10	10	10	10	9	8	9	8	7	1	1	2	1	6.3
27	1	3	8	8	4	2	1	F	F	F	F	F	10	10	10	10	10	10	10	10	10	10	10	10	6.1
28	10	10	10	10	10	10	10	10	10	10	7	3	2	5	5	7	7	8	10	10	10	10	6	10	8.3
29	10	10	10	10	10	7	3	5	9	9	10	9	7	4	7	9	10	10	10	10	9	7	7	2	8.1
30	10	10	10	10	3	4	1	1	3	3	3	3	7	9	9	9	1	F	1	5	4	4	1	1	4.7
31	1	1	2	2	2	3	10	10	10	10	10	10	10	10	9	9	10	10	9	10	10	10	10	10	7.8
Mean	5.5	5.9	6.4	6.3	5.2	4.9	5.1	5.7	6.2	6.4	6.5	6.3	6.5	6.2	6.6	6.6	6.5	6.7	6.5	6.0	5.5	5.3	5.3	5.3	6.0

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

JUNE 1929

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	3	8	6	8	7	10	8	10	10	10	10	10	9	F	F	2	9	10	8	3	6	8	8	4	7.0
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	3	3	2	9.1
3	0	0	0	1	0	0	0	0	0	0	0	F	F	F	F	F	F	F	F	1	F	0	0	0	.1
4	0	0	0	0	0	0	F	1	2	2	1	1	1	1	1	1	1	1	F	0	1	1	0	0	.6
5	0	0	0	0	0	0	0	0	F	F	F	F	1	F	F	2	1	F	F	0	2	3	6	6	.9
6	2	9	10	10	10	10	10	10	10	9	9	7	5	4	2	1	1	1	1	1	3	3	2	3	5.5
7	3	2	1	1	1	1	1	3	4	9	9	9	9	9	9	9	9	9	9	10	7	6	0	0	5.4
8	9	10	10	10	0	0	0	2	1	1	1	1	1	3	3	2	2	1	2	4	3	2	1	2	3.0
9	3	3	5	6	5	8	9	9	9	9	10	10	10	10	10	9	5	2	2	1	10	10	10	10	7.3
10	10	10	10	6	5	3	3	4	9	10	10	9	8	7	7	7	7	6	6	5	4	3	3	3	6.5
11	1	1	1	8	10	10	9	10	5	9	7	9	9	10	9	10	9	9	9	9	9	9	5	8	7.7
12	6	1	1	4	2	2	4	2	2	2	2	2	2	2	1	1	1	F	F	0	1	1	1	1	1.7
13	1	1	1	1	1	1	2	5	4	3	5	5	7	8	8	8	8	9	9	9	10	10	10	10	5.7
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
15	7	10	10	10	9	8	9	10	10	10	10	10	10	7	5	9	8	6	4	4	2	1	0	1	7.1
16	1	1	1	1	1	1	1	0	0	F	F	F	1	1	1	2	3	5	6	2	8	8	8	7	2.5
17	10	10	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
20	10	10	8	8	9	9	6	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	8	10	9.3
21	10	8	7	7	7	5	5	9	10	10	10	10	10	10	10	9	9	7	6	5	4	1	2	1	7.2
22	2	2	9	6	9	2	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	8.2
23	10	10	10	10	10	8	8	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	8	10	9.2
24	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	5	10	10	9.7
25	8	8	10	8	10	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
26	10	3	1	4	6	3	0	8	10	10	10	10	9	10	10	10	10	8	9	9	8	4	4	1	7.0
27	0	3	0	2	2	10	8	10	10	3	3	7	9	10	10	10	10	10	10	10	9	10	3	5	6.8
28	8	9	10	10	10	10	10	10	10	10	10	8	9	9	10	10	9	9	9	8	7	4	3	0	8.4
29	4	6	6	6	4	5	7	7	10	10	7	3	1	1	1	1	2	2	1	F	F	0	0	0	3.5
30	0	0	0	0	0	1	1	4	4	4	4	3	3	6	7	9	9	9	9	10	10	10	9	F	4.7
Mean	5.6	5.8	5.7	6.2	5.9	5.8	6.0	7.1	7.3	7.3	7.2	7.1	7.1	6.9	6.7	7.0	7.0	6.7	6.6	6.3	6.7	6.0	5.5	5.1	6.4

JULY 1929

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	0	0	0	0	0	0	0	F	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	0	F
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	F	2	4	9	7	5	2	1	F	F	F	F	F	0	0	0	0	0	1.2
4	0	0	0	0	0	0	F	F	F	1	1	1	1	2	2	1	1	F	F	F	F	0	0	0	.4
5	0	0	0	0	0	0	0	1	1	1	F	F	1	6	9	10	8	8	10	10	10	10	10	10	4.4
6	10	10	10	10	8	6	3	7	9	10	10	10	4	F	F	3	8	5	3	2	3	2	1	1	5.6
7	1	1	1	1	9	3	3	1	2	2	4	2	1	2	1	F	1	2	2	1	3	2	3	4	2.2
8	9	3	1	0	0	0	0	0	0	F	F	F	F	F	F	F	F	F	F	F	F	1	1	1	.7
9	1	1	1	1	1	0	0	0	0	0	0	0	0	0	F	F	F	F	1	1	F	F	F	1	.3
10	1	2	2	2	2	2	2	2	1	1	1	F	F	0	0	F	F	F	F	F	F	1	1	2	.9
11	2	2	2	1	0	0	1	2	2	1	2	1	1	0	0	0	0	F	F	F	1	1	1	1	.9
12	1	1	1	1	1	0	0	4	3	3	2	2	2	2	1	1	1	1	1	3	F	0	0	0	1.3
13	0	0	0	0	0	0	F	F	F	F	F	1	2	4	3	3	3	6	5	4	7	7	2	9	2.3
14	10	10	10	8	6	4	1	2	1	1	1	F	F	F	F	2	3	6	8	9	3	F	0	0	3.5
15	2	3	5	3	3	3	3	4	3	3	4	8	8	6	4	2	2	2	2	2	1	F	0	0	3.0
16	0	0	0	0	3	3	4	6	3	3	4	5	4	4	4	4	4	4	4	3	4	4	4	4	3.2
17	4	4	4	4	4	4	2	F	F	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1
18	0	0	0	0	0	0	0	8	10	10	10	10	10	10	10	10	10	7	F	1	2	2	4	3	4.9
19	4	8	4	3	2	1	1	10	10	10	10	10	10	10	10	9	9	3	9	10	3	F	F	0	6.1
20	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	9	9.4
21	4	9	3	F	F	4	7	9	9	9	8	8	9	9	10	10	9	9	9	9	8	7	7	7	7.2
22	4	3	F	3	F	4	F	5	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	7.2
23	10	10	10	10	10	9	9	8	9	9	9	8	7	4	5	10	10	4	8	6	2	F	F	F	7.0
24	F	F	F	F	F	F	F	1	1	2	3	3	3	4	2	3	4	8	10	10	10	10	10	10	3.9
25	10	10	10	7	F	1	1	3	3	5	6	6	9	10	10	10	10	10	10	10	9	8	8	0	6.9
26	0	0	0	0	0	0	F	3	3	3	2	2	2	2	2	2	1	F	F	F	0	0	0	0	.9
27	0	0	0	0	0	0	F	7	5	4	2	1	F	F	F	F	0	0	0	0	0	0	0	0	.8
28	0	0	0	0	0	0	F	F	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	0	F
29	0	0	0	0	0	1	2	10	10	10	10	10	10	10	10	10	9	8	8	2	3	5	7	8	6.0
30	10	10	10	10	10	10	10	10	10	10	10	5	2	2	2	2	4	10	10	10	10	10	10	10	8.2
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
Mean	3.0	3.5	3.0	2.7	2.5	2.4	2.2	4.0	4.1	4.4	4.3	4.1	3.8	3.8	3.7	3.9	4.1	4.0	4.2	4.0	3.5	3.2	3.1	3.2	3.5

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

AUGUST 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10.0
2	9	8	10	10	10	3	1	4	6	7	7	7	8	9	8	8	8	8	10	10	10	10	10	10	8.0
3	7	4	8	10	9	8	9	10	9	10	10	10	10	7	5	4	2	1	1	2	F	F	0	0	5.7
4	0	0	0	0	0	0	1	9	9	9	9	10	10	10	9	9	9	9	10	10	10	10	10	10	6.8
5	10	10	10	1 0	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	4	1	F	5	8	8.5
6	2	0	0	0	0	0	0	3	10	10	10	10	10	8	8	9	10	3	8	10	9	3	9	10	5.9
7	8	10	8	10	10	7	8	8	9	9	9	8	8	9	2	F	F	F	F	0	0	0	0	0	5.1
8	0	0	0	0	0	0	F	3	5	6	6	5	5	3	2	1	1	F	F	2	1	F	F	F	1.7
9	1	1	2	2	2	6	7	8	8	7	6	6	6	6	4	2	1	F	F	0	0	0	0	0	3.1
10	0	0	0	0	0	0	0	0	F	F	F	F	F	F	5	9	10	10	10	10	10	10	10	10	3.9
11	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	2	F	F	8.5
12	F	3	7	7	6	8	9	10	10	9	9	9	9	9	7	4	3	1	F	F	F	F	F	F	5.0
13	2	3	1	1	4	9	9	9	8	7	5	4	2	F	F	F	F	F	F	F	3	F	1	F	2.8
14	F	F	F	F	2	4	9	10	10	10	9	6	2	8	6	4	5	7	5	4	7	8	5	4	5.2
15	5	4	3	F	F	9	10	10	10	8	8	7	6	2	3	6	8	9	9	9	10	10	10	10	6.9
16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
17	10	10	10	10	10	10	10	10	10	8	9	9	8	8	8	9	9	10	10	10	10	10	10	10	9.5
18	10	10	10	10	10	10	9	9	8	7	7	7	6	6	5	3	2	2	4	6	8	7	7	10	7.2
19	10	10	9	10	10	10	10	10	10	10	10	10	10	10	9	9	8	9	9	9	9	9	9	9	9.5
20	9	9	8	7	5	3	5	7	7	7	6	6	6	5	8	10	10	8	6	2	3	4	3	3	6.1
21	3	7	3	2	2	4	6	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	8.0
22	10	10	10	3	F	4	7	10	9	7	4	4	4	3	3	3	5	7	8	10	10	10	10	10	6.7
23	8	8	6	6	7	8	8	8	6	4	4	3	3	3	2	2	1	F	F	0	0	0	0	0	3.6
24	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	F	0	0	0	0	0	0	0	0	.2
25	0	0	0	0	0	0	0	F	F	F	F	F	1	1	1	F	0	0	0	0	0	0	0	0	.1
26	0	0	0	0	0	0	0	F	F	F	F	1	1	1	F	F	0	0	0	0	0	0	0	0	.1
27	0	0	0	0	0	0	F	2	4	5	7	8	8	9	8	6	4	4	4	4	2	0	0	0	3.1
28	0	0	1	4	9	10	10	7	8	8	9	5	8	10	10	10	10	9	8	10	10	10	10	10	7.7
29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	9.6
30	2	2	3	5	8	10	10	9	9	9	9	9	9	10	10	10	10	10	7	2	0	0	10	0	6.8
31	5	3	F	0	0	0	0	1	1	1	1	1	1	1	1	1	F	F	F	F	0	0	0	0	.7
Mean	4.9	4.9	4.8	4.7	5.0	5.6	6.1	7.0	7.3	7.0	6.9	6.6	6.5	6.4	5.9	5.7	5.6	5.3	5.4	5.3	5.2	4.6	5.1	4.7	5.7

SEPTEMBER 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	0	0	0	0	0	0	F	2	3	3	3	5	5	3	2	2	1	1	F	0	0	0	0	0	1.2
2	0	0	F	4	9	9	9	9	9	9	9	9	9	10	10	10	9	9	8	8	9	8	8	8	7.6
3	7	6	3	F	2	3	5	10	9	8	6	6	4	3	3	2	2	2	2	2	2	1	F	0	3.7
4	2	1	1	2	2	3	4	4	4	4	3	3	3	2	2	2	2	2	2	3	2	2	2	2	2.5
5	4	7	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	10	8	1	F	3	3	8.0
6	9	10	10	10	10	10	3	7	3	1	F	F	F	F	F	F	F	F	1	2	3	0	0	0	3.3
7	0	0	0	0	0	0	0	F	F	1	3	3	4	4	3	3	2	2	2	2	10	10	10	10	2.9
8	10	10	10	10	10	10	10	10	10	10	5	2	F	F	F	0	0	0	0	F	0	0	0	0	4.5
9	0	0	0	0	0	0	0	0	0	0	F	F	F	1	1	1	1	2	2	2	2	3	3	3	.9
10	3	5	7	6	3	3	F	0	0	0	0	1	2	3	2	2	2	2	2	F	3	F	F	F	1.9
11	2	3	3	F	F	F	F	F	F	F	F	F	1	2	2	1	F	F	F	F	0	0	0	0	.6
12	0	0	0	F	F	4	2	0	0	0	F	F	F	0	0	0	0	0	0	0	0	F	F	2	.3
13	2	3	5	F	2	2	1	F	1	2	2	5	6	8	8	8	8	7	5	3	F	0	0	0	3.2
14	0	0	0	2	F	F	1	3	3	4	3	2	1	F	F	F	F	F	F	F	F	0	0	0	.8
15	0	F	F	3	4	4	4	4	5	5	5	7	7	8	8	8	8	9	7	7	7	8	9	9	5.7
16	9	8	6	7	8	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	8	8	8	8	8.8
17	7	7	6	6	6	2	5	9	8	8	6	6	5	4	4	4	4	4	5	5	10	10	10	10	6.3
18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	9.7
19	6	7	8	9	9	7	4	4	4	4	5	3	3	3	3	2	2	F	F	F	F	1	2	2	3.7
20	5	5	5	4	7	10	7	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.7
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
22	10	10	10	10	10	10	1	0	0	0	F	1	9	10	10	10	5	1	1	F	1	0	0	0	4.5
23	0	0	0	1	9	3	8	10	10	9	6	8	9	9	9	9	9	9	9	9	10	10	10	10	7.3
24	10	10	8	2	F	F	F	F	F	1	3	5	6	8	7	9	10	10	10	9	10	7	5	6	5.7
25	4	4	7	8	9	9	9	9	7	9	9	9	10	10	10	10	10	10	10	8	8	5	2	2	7.8
26	2	1	2	2	2	3	5	5	5	4	1	F	F	F	1	1	2	3	3	8	3	3	2	2	2.5
27	1	1	1	1	1	2	2	F	F	F	F	F	F	F	F	F	F	F	F	F	0	0	0	0	.4
28	0	0	F	F	0	0	0	0	0	0	0	0	0	0	0	0	F	F	F	F	0	0	0	0	F
29	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F	F	F	F	0	0	0	0	.2
30	0	0	0	1	10	10	10	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	8.2
Mean	3.8	4.0	4.1	3.9	4.8	4.8	4.3	4.8	4.6	4.7	4.2	4.4	4.8	4.9	4.8	4.8	4.5	4.4	4.3	4.2	4.2	3.8	3.7	3.8	4.4

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

OCTOBER 1929

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
2	10	10	10	10	9	9	8	7	7	5	4	4	4	3	3	5	6	7	9	9	10	10	10	10	7.5
3	6	9	10	10	10	10	9	9	4	3	2	F	F	F	F	F	F	F	F	F	F	1	1	0	3.5
4	0	0	F	F	F	0	0	0	0	0	0	0	0	0	0	0	F	F	F	F	F	F	F	8	.3
5	6	6	6	6	6	5	8	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	8.6
6	10	9	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	8	8	9.4
7	8	8	8	9	9	9	9	9	9	10	10	10	10	10	10	8	2	5	10	10	10	10	10	10	8.9
8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
9	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10	9	F	F	F	3	3	4	2	7.4
10	1	1	F	1	1	2	2	3	5	10	10	10	10	10	10	10	4	F	0	0	1	5	5	1	4.2
11	2	2	8	9	10	10	10	10	10	10	1	F	0	0	0	0	F	3	4	5	9	10	10	7	5.4
12	3	F	0	0	0	1	2	4	8	10	10	10	10	10	10	5	1	F	F	F	F	F	F	F	3.5
13	F	F	F	F	F	4	7	9	9	8	5	F	F	F	F	F	F	F	F	1	F	F	F	F	1.8
14	F	F	F	F	F	F	F	2	2	2	1	2	2	2	4	9	10	10	9	9	9	10	10	10	4.3
15	10	10	10	10	10	10	10	10	10	9	2	1	F	F	F	F	F	1	2	4	2	2	2	3	4.9
16	4	4	4	2	2	2	2	F	F	F	F	F	F	1	2	2	3	8	9	7	7	7	9	9	3.5
17	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	7	9.7
18	4	7	7	8	4	2	1	1	6	2	2	3	9	10	10	10	10	10	10	10	10	10	10	10	6.9
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	9	9.9
21	7	7	7	8	7	9	9	8	7	6	4	4	2	1	1	1	1	F	F	F	F	1	1	1	3.8
22	F	1	1	2	8	8	9	7	6	7	7	8	8	8	8	9	9	9	9	8	8	8	8	8	6.8
23	1	2	4	10	10	10	3	10	9	10	10	10	10	10	10	10	10	9	9	10	9	9	7	9	8.4
24	9	9	10	10	10	6	5	F	F	F	F	6	10	10	10	10	10	10	10	10	10	10	10	10	7.7
25	10	10	10	10	10	2	3	4	6	4	3	F	F	F	F	F	F	F	F	F	1	2	3	3	3.4
26	F	F	F	F	1	2	6	8	8	6	5	5	3	1	2	4	4	6	5	7	7	7	7	7	4.2
27	6	6	5	3	2	2	1	1	1	5	7	3	2	1	3	7	9	9	9	9	9	8	7	3	4.9
28	3	8	9	9	9	9	10	9	9	8	7	5	4	5	5	5	5	6	7	7	5	2	2	2	6.2
29	3	2	2	4	6	4	2	2	2	4	4	3	3	3	2	2	1	1	2	4	F	9	10	10	3.5
30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
Mean	5.9	6.1	6.5	6.8	6.9	6.6	6.6	6.8	7.0	7.0	6.2	5.9	6.0	5.9	6.1	6.3	5.9	5.9	6.2	6.4	6.4	6.8	6.8	6.7	6.4

NOVEMBER 1929

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
3	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	10	10	10	10	10	9	10	9.8
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	8	4	5	8	9.3
5	8	9	6	5	4	3	1	1	1	1	1	1	1	1	3	5	4	4	5	8	9	9	9	9	4.5
6	9	9	9	8	8	8	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8.9
7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	9.2
8	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	10	10	10	10	10	10	4	10	9.5
9	9	10	10	9	5	9	9	10	9	9	7	7	8	9	9	9	8	9	10	9	8	4	4	5	8.1
10	4	7	6	5	2	2	2	5	3	2	3	2	2	3	3	3	3	3	3	5	3	1	2	5	3.3
11	5	4	2	5	7	5	6	4	4	5	3	7	7	9	8	5	7	5	4	4	3	2	4	4	5.0
12	3	5	4	6	8	8	9	9	9	8	8	7	7	5	6	6	8	8	8	9	9	9	9	9	7.4
13	8	3	3	1	1	F	F	F	F	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	.7
14	0	0	F	F	F	1	2	6	8	9	9	9	9	10	10	9	8	6	4	3	3	2	2	3	4.7
15	5	5	5	5	6	3	F	1	1	1	F	F	F	F	F	F	F	F	F	F	F	F	F	F	1.3
16	F	F	F	F	F	0	0	F	F	F	F	F	F	1	1	1	F	F	F	F	F	F	F	F	.1
17	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	0	0	0	F
18	0	0	0	0	0	0	0	0	0	0	0	F	F	0	0	0	0	0	0	0	0	0	0	0	F
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F	F	F	F	F	F	1	F
20	2	1	F	F	F	F	F	0	0	0	F	F	F	F	F	1	1	2	4	5	7	8	9	9	2.0
21	9	9	9	9	9	8	8	2	2	2	4	5	2	8	7	4	5	9	9	9	10	10	10	10	7.0
22	10	10	8	4	2	1	2	2	5	6	6	7	7	8	8	9	9	9	9	10	9	7	7	8	6.8
23	4	4	3	3	2	1	1	1	F	F	F	F	F	F	F	F	F	F	F	1	1	2	3	8	1.4
24	8	7	5	9	9	9	9	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	10	8.9
25	9	9	8	10	10	10	10	10	8	8	9	10	7	1	1	1	1	9	10	10	10	9	10	10	7.9
26	9	9	9	9	9	10	10	10	10	9	9	8	6	8	9	9	9	9	7	8	3	1	2	3	7.7
27	3	3	7	9	9	9	9	9	9	9	8	8	8	8	8	7	5	5	4	4	3	5	8	3	6.7
28	2	1	1	1	1	2	2	3	3	2	3	3	4	8	8	8	8	8	8	7	2	1	F	F	3.6
29	1	1	1	1	F	F	F	F	0	0	0	1	3	7	8	8	9	9	9	9	9	9	9	6	4.2
30	9	9	9	10	10	6	3	2	1	2	2	2	2	2	1	1	2	3	4	7	4	2	2	1	4.0
Mean	5.9	5.8	5.5	5.6	5.4	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.0	5.4	5.5	5.3	5.4	5.8	5.8	6.2	5.6	5.1	5.2	5.7	5.4

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

DECEMBER 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	1	1	1	1	2	2	1	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	0.4
2	F	F	F	0	F	F	F	0	0	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3	F	F	F	F	1	1	1	2	4	5	8	7	8	8	9	9	9	9	9	10	9	10	10	10	5.8
4	10	10	10	10	8	5	3	3	3	3	4	4	5	5	4	3	3	3	2	1	F	F	F	F	4.1
5	F	F	F	F	F	F	F	F	F	F	1	2	2	3	4	4	6	7	4	4	4	3	3	1	2.0
6	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	2	2	1	2	2	2	2	2	1.2
7	2	2	2	7	4	2	2	1	1	F	F	1	1	2	2	1	1	F	F	F	F	F	F	F	1.3
8	F	3	5	7	8	8	5	8	9	9	9	8	8	9	7	4	1	F	F	1	6	10	9	10	6.0
9	9	F	F	F	3	9	10	10	10	10	10	8	5	F	F	F	F	F	F	F	F	F	10	10	4.3
10	5	5	6	10	10	10	10	9	9	9	9	8	7	6	8	8	7	7	7	7	9	10	10	10	8.2
11	10	8	10	10	10	6	0	1	1	4	7	8	8	6	7	7	7	7	7	7	5	3	3	F	5.9
12	F	F	F	F	9	1	1	F	F	2	2	3	3	4	5	8	9	9	9	9	9	10	10	10	4.7
13	9	7	9	10	10	10	10	10	10	10	10	10	9	8	8	8	9	9	10	10	10	10	10	10	9.4
14	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	8	8	8	7	7	2	5	8.7
15	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	2	1	F	F	F	10	10	10	8.0
16	10	10	10	10	10	10	9	8	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
17	10	10	9	8	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	9.1
18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
19	10	10	10	10	10	10	10	10	10	9	9	9	9	7	4	2	1	F	F	F	F	F	F	F	5.8
20	F	F	F	F	F	1	1	4	8	8	8	8	8	8	8	8	8	9	9	9	10	10	10	10	6.0
21	10	10	10	10	10	10	8	8	8	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	9.5
22	10	10	10	10	9	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.8
23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
24	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9.6
25	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	9.7
26	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	1	6	10	10	9.0
27	10	10	10	2	1	F	F	F	F	F	1	2	5	7	5	3	1	F	F	F	4	6	6	10	3.5
28	10	10	7	10	10	10	5	5	4	5	5	5	7	9	9	9	9	9	9	9	9	10	10	10	8.1
29	10	10	10	10	9	6	4	8	6	3	5	5	5	7	6	5	5	5	5	5	4	3	2	7	6.0
30	9	2	4	2	3	1	1	5	5	6	5	5	5	5	5	3	2	3	4	5	5	5	5	6	4.2
31	8	7	7	8	9	9	8	8	8	7	7	7	7	7	6	6	7	7	7	8	8	8	10	10	7.7
Mean	6.8	6.3	6.4	6.6	6.9	6.4	5.7	6.1	6.2	6.3	6.6	6.7	6.7	6.7	6.6	6.3	6.0	5.9	5.7	5.9	5.8	6.5	6.8	7.1	6.4

JANUARY 1930

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	10	9	8	10	10	10	10	10	10	10	10	9	9	9	8	8	7	7	6	6	9	9	8	3	8.5
2	1	1	9	9	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	9	8	10	10	9.0
3	4	10	10	10	10	10	10	10	8	9	9	9	10	9	9	9	9	9	10	9	10	10	10	10	9.3
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10.0
6	10	10	7	9	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	10	9	10	9.5
7	9	9	9	9	9	9	10	6	9	10	8	8	8	9	9	9	9	9	9	9	9	10	10	8	9.0
8	10	10	9	9	10	10	7	9	9	9	9	9	10	10	10	10	10	10	10	10	10	9	10	10	9.5
9	10	10	10	7	10	10	10	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
10	10	10	10	10	10	10	10	10	10	10	8	8	9	9	9	9	9	9	9	9	10	10	10	10	9.5
11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	9.9
12	9	9	9	9	9	9	10	10	10	10	10	7	7	7	7	10	10	10	10	10	10	10	10	10	9.2
13	10	10	10	10	10	10	10	10	10	10	10	9	9	1	F	F	1	2	3	6	9	9	9	8	7.8
14	5	7	10	10	10	10	10	10	9	9	9	9	9	10	10	10	10	10	10	10	9	10	10	10	9.4
15	10	10	10	10	10	10	10	9	8	8	9	10	10	10	10	10	9	8	2	2	2	4	7	8	8.2
16	9	10	10	10	10	8	2	5	3	3	4	5	7	9	9	9	9	9	9	9	9	9	9	8	7.7
17	10	10	10	10	10	10	10	9	2	2	2	3	3	3	6	8	8	5	5	5	8	9	9	9	6.9
18	8	8	8	9	9	10	10	10	10	10	10	9	9	8	8	9	9	9	9	9	9	7	8	8	8.9
19	9	9	9	9	8	9	6	9	9	10	10	9	9	10	10	10	10	10	10	10	10	9	10	9	9.3
20	8	9	10	9	8	2	F	1	7	1	1	1	2	8	3	8	7	8	7	3	7	7	8	9	5.6
21	8	7	3	2	2	2	2	4	5	4	3	2	2	2	2	2	2	1	1	F	F	F	F	F	2.3
22	F	F	F	F	F	0	0	0	0	0	0	0	F	F	F	1	3	3	5	7	3	F	F	F	.9
23	F	F	F	F	F	F	F	1	1	1	1	F	F	F	F	F	F	F	F	F	F	3	8	9	1.0
24	9	10	10	10	10	9	9	9	9	9	9	9	8	8	7	2	1	F	F	F	F	F	F	F	5.7
25	1	1	2	4	2	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	3	.5
26	5	1	10	7	10	10	10	9	9	4	2	5	7	8	4	2	F	F	F	F	F	F	1	1	4.4
27	F	1	1	F	F	F	F	1	1	2	2	2	1	F	F	F	F	1	2	3	3	6	8	8	1.7
28	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9.9
29	9	5	4	8	7	5	3	5	5	5	3	7	6	4	4	4	4	4	5	5	5	8	9	9	5.5
30	9	8	4	3	9	2	1	4	9	9	9	9	F	3	5	7	7	8	8	2	F	F	1	2	5.0
31	5	6	10	5	3	F	1	3	1	2	4	7	8	8	8	8	9	9	10	10	10	10	9	9	6.5
Mean	7.3	7.4	7.8	7.7	7.9	7.3	6.8	7.5	6.9	7.0	6.8	7.0	6.9	6.9	6.7	6.9	6.8	6.8	6.7	6.5	6.7	7.0	7.5	7.4	7.1

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

FEBRUARY 1930

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	8	8	6	3	2	8	6	8	8	9	9	9	9	9	10	10	10	9	9	9	9	10	9	8	8.1
2	7	4	8	9	2	10	1	3	1	F	F	1	2	7	9	9	10	10	10	10	10	10	10	10	6.4
3	4	2	3	1	F	5	2	3	10	10	10	10	10	10	10	10	9	2	5	9	9	10	10	9	6.8
4	9	9	9	9	10	10	10	10	9	10	10	10	9	2	8	10	10	10	10	9	9	9	9	9	9.1
5	10	9	7	8	5	5	5	9	8	8	8	8	6	6	7	8	8	8	5	1	1	2	2	8	6.3
6	7	4	3	2	3	5	1	1	1	1	4	4	3	1	F	F	F	F	F	F	F	F	F	F	1.7
7	F	F	F	F	F	F	2	5	7	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	6.7
8	9	9	9	8	7	5	6	8	8	9	9	9	9	9	10	10	9	9	9	9	9	8	5	3	8.1
9	3	3	3	2	3	4	2	F	F	F	F	F	F	F	F	F	F	F	F	F	F	------	------	------	1.0

MARCH 1934

Hour / Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1	------	------	------	------	------	------	------	9	9	8	8	8	9	9	8	8	7	7	8	8	------	------	------	------	8.2
2	------	------	------	------	------	------	------	10	10	8	8	7	8	8	10	10	10	10	10	10	------	------	------	------	9.2
3	------	------	------	------	------	------	------	10	8	7	10	8	6	8	7	6	5	4	3	F	------	------	------	------	6.3
4	------	------	------	------	------	------	------	4	5	6	7	8	9	10	10	10	10	10	10	10	------	------	------	------	8.4
5	------	------	------	------	------	------	------	10	10	10	10	10	10	10	10	10	10	10	10	10	------	------	------	------	10.0
6	------	------	------	------	------	------	------	9	10	10	10	10	10	10	10	10	10	10	10	10	------	------	------	------	9.9
7	------	------	------	------	------	------	------	1	3	7	10	10	10	10	10	10	10	10	10	10	------	------	------	------	8.5
8	------	------	------	------	------	------	------	10	10	10	10	10	10	10	10	10	10	10	10	10	------	------	------	------	10.0
9	------	------	------	------	------	------	------	10	10	10	10	10	10	8	9	10	10	10	9	9	------	------	------	------	9.6
10	------	------	------	------	------	------	------	10	5	1	2	2	2	3	8	7	5	3	1	F	------	------	------	------	3.8
11	------	------	------	------	------	------	------	7	7	7	7	6	6	5	4	4	3	3	2	2	------	------	------	------	4.8
12	------	------	------	------	------	------	------	10	10	10	10	10	10	10	10	10	10	10	10	10	------	------	------	------	10.0
13	------	------	------	------	------	------	------	3	3	2	1	F	F	F	F	F	F	F	F	0	------	------	------	------	.7
14	------	------	------	------	------	------	------	3	------	------	------	------	------	8	------	------	------	------	------	10	------	------	------	------	7.0
15	------	------	------	------	------	------	------	8	------	------	------	------	------	9	8	7	2	F	F	F	------	------	------	------	4.2
16	------	------	------	------	------	------	------	9	9	9	9	9	9	9	9	9	9	9	9	9	------	------	------	------	9.0
17	------	------	------	------	------	------	------	F	2	4	6	8	10	10	10	10	10	10	5	9	------	------	------	------	7.2
18	------	------	------	------	------	------	------	10	10	10	6	4	2	1	1	1	1	1	1	1	------	------	------	------	3.8
19	------	------	------	------	------	------	------	F	F	F	F	F	1	1	4	6	10	10	10	10	------	------	------	------	4.0
20	------	------	------	------	------	------	------	10	10	10	10	10	10	9	5	3	8	5	4	3	------	------	------	------	7.5
21	------	------	------	------	------	------	------	1	5	10	------	------	------	5	------	------	------	------	10	10	------	------	------	------	6.8
22	------	------	------	------	------	------	------	F	F	F	F	F	1	2	1	F	F	F	F	0	------	------	------	------	.3
23	------	------	------	------	------	------	------	10	10	10	10	10	10	10	10	10	10	10	10	10	------	------	------	------	10.0
24	------	------	------	------	------	------	------	10	9	8	4	5	7	9	9	10	10	10	10	10	------	------	------	------	8.5
25	------	------	------	------	------	------	------	F	2	4	5	6	7	8	10	10	10	10	10	10	------	------	------	------	7.1
26	------	------	------	------	------	------	------	10	10	10	10	10	10	10	10	10	10	10	10	10	------	------	------	------	10.0
27	------	------	------	------	------	------	------	1	0	0	0	0	0	0	0	0	0	0	0	0	------	------	------	------	.1
28	------	------	------	------	------	------	------	F	F	2	4	6	8	10	8	6	4	2	1	1	------	------	------	------	4.0
29	------	------	------	------	------	------	------	10	8	8	6	6	6	6	3	1	F	F	F	1	------	------	------	------	4.2
30	------	------	------	------	------	------	------	7	7	8	8	9	9	10	9	8	7	6	6	5	------	------	------	------	7.6
31	------	------	------	------	------	------	------	9	9	9	9	9	9	9	10	10	10	10	10	4	------	------	------	------	9.0
Mean	------	------	------	------	------	------	------	6.5	6.6	6.8	6.8	6.8	7.1	7.3	7.3	7.1	6.9	6.6	6.3	6.2	------	------	------	------	6.8

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

APRIL 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								10	10	10	9	9	8	8	8	8	8	8	8	10					8.8
2								10	10	5	0	0	3	5	5	3	1	F	1	2					3.5
3								10	10	10	10	10	10	10	10	9	10	10	10	10					9.9
4								10	10	10	10	10	10	10	10	10	10	8	5	0					8.7
5								7	10	10	10	10	10	10	10	10	10	10	10	10					9.8
6								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
7								10	10	10	10	10	10	10	10	10	10	10	1	1					8.6
8								10	10	10	10	10	10	10	10	10	10	8	5	0					8.7
9								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
10								10	10	10	10	10	10	10	10	10	10	10	10	5					9.6
11								10	10	10	10	10	10	10	10	10	10	10	10	8					9.8
12								8	8	8	8	8	8	8	8	8	5	3	0	0					6.2
13								F	1	1	1	1	2	10	9	8	8	10	10	10					5.5
14								F	0	0	0	0	0	0	0	0	0	0	0	0					F
15								10	10	10	10	10	10	10	10	7	6	3	0	0					7.4
16								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17								1	F	F	F	1	3	7	7	4	2	F	0	0					1.9
18								2	3	4	6	4	1	F	F	F	F	F	0	0					1.5
19								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
20								10	10	10	10	10	10	10	10	10	8	4	4	8					8.8
21								10	10	10	10	10	10	10	10	10	10	5	0	0					8.1
22								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
23								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24								10	10	10	10	10	10	10	10	10	10	10	7	4					9.3
25								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26								10	10	10	10	10	10	9	9	9	9	6	4	3					8.4
27								10	10	10	10	10	10	8	10	10	10	10	10	10					9.8
28								10	10	10	10	10	10	10	10	10	10	8	4	2					8.8
29								10	10	10	10	10	10	9	9	8	5	4	2	2					7.6
30								F	F	F	F	F	0	0	0	0	0	0	0	0					F
Mean								8.2	8.4	8.3	8.1	8.1	8.2	8.5	8.5	8.1	7.7	6.9	5.7	5.2					7.7

MAY 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								10	10	10	10	8	4	2	1	0	2	4	6	0					5.2
2								9	10	10	10	5	2	F	5	6	10	10	10	10					7.5
3								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
4								F	0	0	0	0	0	0	0	0	0	0	0	0					F
5								4	4	2	1	F	4	7	9	2	1	0	0	0					2.6
6								0	0	0	0	0	0	0	0	0	0	0	0	0					0
7								8	8	6	6	4	2	F	0	0	0	0	0	0					2.6
8								F	F	F	F	F	1	1	1	0	0	0	0	0					.2
9								0	0	0	0	0	0	0	0	0	0	0	0	0					0
10								F	F	F	F	F	F	0	10	0	0	0	5	10					1.9
11								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
12								0	7	8	1	1	F	0	0	0	0	0	0	10					2.1
13								F	7	9	1	F	F	F	F	F	F	3	7	10					2.8
14								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
15								F	3	6	10	10	10	10	10	0	5	3	0	0					5.2
16								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
18								10	10	10	10	10	0	0	0	0	0	0	0	0					3.8
19								0	0	0	0	0	0	0	0	0	0	0	0	0					0
20								0	0	0	0	0	0	F	0	0	0	0	0	0					F
21								3	4	4	3	2	2	2	1	0	0	0	0	0					1.6
22								10	10	10	10	10	10	10	10	10	10	10	0	0					8.5
23								10	10	10	10	10	10	10	10	10	10	10	5	3					9.1
24								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
25								10	1	1	6	8	8	3	5	4	3	2	3	4					4.5
26								10	10	10	10	10	10	10	10	10	6	3	5	6					8.5
27								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
28								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
29								3	3	3	3	3	5	5	5	5	6	6	6	6					4.5
30								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
31								10	10	10	5	4	7	10	10	10	10	10	10	10					8.9
Mean								6.0	6.4	6.4	6.0	5.6	5.3	5.2	5.7	4.7	4.9	4.9	4.7	5.1					5.5

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

JUNE 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	9	9	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4	4	5	7	10	9.0
2	10	10	10	10	10	10	10	0	2	2	2	1	1	1	2	5	8	10	10	10	10	10	10	10	6.8
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
5	10	10	10	10	10	10	10	10	8	5	10	10	5	0	0	0	0	0	0	0	0	0	0	0	4.9
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	5	1	1	1	7.8
9	4	4	4	4	4	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.7
10	10	10	9	9	10	8	2	10	3	10	10	10	10	10	10	10	10	10	10	0	0	10	10	10	8.0
11	10	10	10	4	3	7	7	4	4	4	4	10	10	10	10	10	10	10	10	0	0	1	0	0	6.2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5	10	10	10	10	10	10	10	10	10	4.0
14	10	9	9	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	5	7	9.5
15	7	9	9	6	10	6	3	10	9	8	6	4	2	1	F	F	0	0	0	0	5	10	9	10	5.2
16	10	10	7	2	3	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.1
17	10	10	10	10	10	6	8	10	8	6	4	F	F	F	0	0	0	0	0	0	0	0	0	0	3.8
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	6	4	.8
19	7	4	7	6	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.2
20	9	9	3	2	4	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	8.7
21	7	7	6	6	7	6	5	0	F	F	F	F	F	F	2	4	4	4	4	4	4	3	3	3	3.3
22	3	3	4	4	4	5	8	2	3	4	6	8	6	4	4	4	4	5	5	6	6	6	6	6	4.8
23	5	4	4	5	8	8	9	10	10	10	5	3	1	F	4	5	5	5	5	4	6	8	8	8	5.8
24	9	8	8	8	7	5	2	1	2	6	10	10	10	10	10	10	10	10	10	10	9	9	9	9	8.0
25	9	8	5	5	10	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	6	6	6	6	8.1
26	9	9	9	7	10	10	9	8	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	7	9.1
27	5	7	7	8	9	8	8	F	2	5	5	5	5	4	4	3	2	1	0	0	0	4	2	2	4.0
28	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	F	1	1	1	.7
29	1	1	1	1	8	7	4	F	F	F	0	0	0	0	0	0	0	0	0	0	2	6	7	7	1.9
30	7	7	7	8	9	9	9	3	1	F	F	F	F	F	F	F	F	1	1	F	4	8	8	8	3.7
Mean	6.1	6.3	6.0	5.5	6.5	6.7	6.4	5.6	5.4	5.7	5.7	5.7	5.3	5.0	5.4	5.7	5.0	5.7	5.6	4.7	5.1	6.1	5.9	5.9	5.7

JULY 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	8	8	4	4	2	3	3	1	5	10	10	10	10	10	10	5	0	0	0	0	0	8	8	5	5.2
2	5	3	3	4	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1.3
3	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	10	1.4
4	10	10	10	10	10	9	2	F	F	F	F	0	0	0	0	0	0	0	0	0	0	1	2	5	2.9
5	5	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	9	0	6	6	6	8.2
6	4	7	10	8	4	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9
7	0	0	0	0	7	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.7
8	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	8	8	8	8	10	10	10	4	3.6
9	2	6	8	4	6	6	4	5	4	3	6	10	10	10	10	10	10	10	10	10	8	7	7	4	7.1
10	5	5	8	5	5	5	5	7	7	7	8	8	8	8	8	8	6	6	5	3	0	2	2	3	5.6
11	3	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.5
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	6	2	.8
15	2	3	6	6	6	6	8	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	8.5
16	8	5	5	5	5	5	8	10	10	0	0	10	10	10	10	10	10	10	5	0	0	0	0	0	5.7
17	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	8	4	2	0	1	5	5	8	1.8
18	10	10	10	4	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1.7
19	5	5	5	5	2	2	2	0	2	4	5	6	7	10	10	10	10	10	9	8	6	5	3	3	5.6
20	3	7	10	10	8	6	6	8	6	4	F	10	10	10	8	6	4	2	1	F	2	9	9	9	6.2
21	6	4	2	2	0	0	0	0	0	0	0	0	F	F	0	0	0	0	0	0	0	0	0	0	.6
22	4	4	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	10	8	9.2
23	5	5	5	5	5	5	3	0	0	0	0	0	0	F	F	F	1	2	3	4	7	9	9	9	3.2
24	9	9	9	9	9	9	9	8	8	8	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9.3
25	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.8
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
28	10	10	10	10	10	10	10	5	2	F	F	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	F	F	F	F	F	F	0	0	0	0	0	0	0	0	0	0	0	F
31	0	0	0	0	0	0	0	F	F	1	7	8	9	9	10	10	10	10	10	10	10	10	10	10	5.6
Mean	4.4	4.6	5.0	4.6	4.4	4.5	4.0	3.4	3.4	3.1	3.4	4.3	4.4	4.7	4.7	4.2	4.4	4.6	3.6	3.6	3.4	4.5	4.7	4.5	4.2

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

AUGUST 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								0	0	0	0	0	F	1	1	F	0	5	10	10					2.1
2								F	7	9	10	10	10	10	10	10	10	10	10	10					8.9
3								10	10	9	9	5	7	9	8	2	0	0	0	0					5.3
4								0	10	10	10	10	10	10	10	10	5	0	0	0					6.5
5								10	10	10	10	10	8	3	1	0	0	0	0	0					4.8
6								10	10	10	10	10	10	10	10	10	0	0	0	0					6.9
7								F	2	5	2	1	F	0	0	0	0	0	0	0					.8
8								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9								10	10	10	10	10	10	10	10	5	0	0	0	0					6.5
10								8	9	10	10	10	10	10	8	3	0	0	0	0					6.0
11								1	0	0	0	0	0	0	0	0	0	0	0	0					.1
12								10	8	8	5	4	3	2	1	1	0	0	0	0					3.2
13								0	3	7	10	5	0	0	0	0	0	0	1	10					2.8
14								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
15								10	10	10	8	8	9	10	10	10	10	10	10	10					9.6
16								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17								10	10	10	10	10	10	10	10	10	5	0	0	0					7.3
18								3	3	2	1	1	1	F	F	F	F	F	F	1					.9
19								9	9	9	9	9	9	8	8	8	8	6	4	0					7.4
20								F	F	F	0	0	0	0	0	0	0	0	0	0					F
21								F	F	F	0	0	0	0	0	0	0	0	0	0					F
22								10	5	1	F	F	F	0	0	0	0	0	0	0					1.2
23								10	5	1	1	1	4	10	10	10	10	10	10	10					7.1
24								5	5	5	5	6	7	8	7	6	5	3	1	0					4.8
25								10	10	10	10	10	10	10	8	7	5	1	0	0					7.0
26								3	4	5	6	7	8	10	10	10	5	0	0	0					5.2
27								0	0	0	0	0	F	F	F	F	0	0	0	0					F
28								10	10	10	10	10	9	8	6	5	4	F	0	0					6.3
29								10	10	10	8	5	6	7	5	3	1	0	0	0					5.0
30								0	0	0	0	0	0	0	0	0	0	0	0	0					0
31								0	0	0	0	0	0	0	0	0	0	0	0	0					0
Mean								5.7	6.1	6.2	5.9	5.5	5.5	5.7	5.3	4.5	3.2	2.4	2.5	2.6					4.7

SEPTEMBER 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								10	10	10	10	10	10	10	10	10	10	10	0	0					8.5
2								10	10	10	10	10	10	4	4	4	4	4	2	0					6.3
3								2	3	4	4	4	3	3	3	3	2	2	1	0					2.6
4								10	9	8	8	1	8	10	10	10	10	10	10	10					8.8
5								10	10	10	10	10	10	10	10	10	10	10	8	0					9.1
6								10	9	8	5	4	2	5	10	10	10	10	5	2					6.9
7								0	0	0	0	0	0	0	0	0	0	0	0	0					0
8								F	2	5	7	5	2	F	F	F	F	F	F	0					1.6
9								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10								10	10	10	10	8	8	4	4	5	5	2	0	0					5.8
11								7	7	7	6	6	5	3	2	2	2	1	1	0					3.8
12								3	4	5	4	3	2	F	F	F	F	F	F	F					1.6
13								0	0	0	0	0	0	0	0	0	0	0	0	0					0
14								F	0	0	0	0	0	0	0	0	0	0	0	0					F
15								10	10	10	10	10	10	10	9	8	5	2	0	0					7.2
16								8	8	8	6	5	4	2	2	1	F	0	0	0					3.4
17								0	0	0	0	0	0	0	0	0	F	F	F	F					F
18								F	F	F	F	0	0	0	0	0	4	9	9	9					2.4
19								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
20								8	10	10	10	10	10	10	10	10	10	10	10	10					9.8
21								10	10	10	10	10	10	10	10	10	10	10	10	8					9.8
22								0	F	F	F	F	F	F	F	F	10	10	10	10					3.1
23								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24								10	10	10	10	10	10	10	10	10	10	F	F	F					7.7
25								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26								6	6	6	10	8	8	10	8	7	5	3	1	F					6.0
27								F	10	10	10	10	5	F	0	0	0	0	9	10					4.9
28								9	7	6	5	0	0	4	4	10	10	10	10	10					6.5
29								10	10	10	10	10	10	0	8	2	F	F	F	F					5.4
30								10	10	10	10	10	9	9	10	10	10	10	10	10					9.8
Mean								6.4	6.8	6.9	6.8	6.1	5.9	5.1	5.5	5.4	5.6	5.1	4.5	4.0					5.7

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

OCTOBER 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								0	0	0	0	0	0	F	F	F	F	F	F	F					F
2								F	F	1	1	2	6	4	3	F	F	F	F	F					1.3
3								7	8	9	9	9	9	10	10	10	10	10	10	10					9.3
4								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
5								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
6								10	10	10	9	8	8	8	3	3	1	9	10	10					7.6
7								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
8								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
11								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
12								9	9	9	8	8	6	5	2	1	0	0	F	F					4.4
13								8	9	10	10	10	10	10	10	10	10	10	10	10					9.8
14								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
15								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
16								10	10	10	10	10	8	4	2	4	6	7	8	9					7.5
17								4	6	7	7	8	10	10	10	10	10	10	10	10					8.6
18								10	10	10	10	10	10	9	8	4	2	F	F	F					6.4
19								10	10	10	10	10	5	F	F	F	8	10	5	F					6.0
20								9	9	9	9	8	6	4	4	4	4	2	2	2					5.5
21								10	10	10	10	10	10	10	10	9	8	8	8	8					9.3
22								3	F	F	F	F	F	1	1	F	F	0	0	0					.4
23								1	2	5	8	9	9	10	10	10	10	10	10	10					8.0
24								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
25								9	9	10	10	10	8	7	1	3	4	7	8	8					7.2
26								0	F	F	F	F	F	F	F	F	F	F	1	1					.2
27								0	0	0	0	0	0	0	0	0	0	0	0	0					0
28								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
29								8	8	8	8	8	5	2	2	2	4	9	9	8					6.2
30								4	3	2	3	4	8	6	4	2	2	2	2	2					3.4
31								8	8	8	8	8	8	8	8	8	8	8	8	9					8.1
Mean								7.4	7.5	7.7	7.7	7.8	7.6	7.0	6.4	6.1	6.4	6.8	6.8	6.6					7.1

NOVEMBER 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								1	1	1	2	3	4	5	5	5	6	6	7	7					4.1
2								F	F	F	F	1	2	3	7	10	10	9	8	7					4.4
3								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
4								10	9	9	10	10	10	10	10	10	10	10	10	10					9.8
5								10	10	10	10	10	10	10	10	10	10	8	5	8					9.3
6								10	10	10	10	10	10	10	10	10	10	5	0	0					8.1
7								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
8								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
10								8	8	8	8	8	8	1	5	9	2	1	F	F					5.1
11								0	0	0	0	0	0	0	0	0	0	0	F	F					F
12								F	F	F	F	1	3	5	10	10	10	10	10	10					5.3
13								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
14								F	F	F	1	4	8	10	8	7	6	6	6	6					4.8
15								F	F	F	0	0	0	0	0	0	0	0	0	0					F
16								0	0	0	0	0	0	0	0	0	0	0	0	0					0
17								F	1	4	5	7	9	9	9	10	10	10	10	10					7.2
18								0	0	0	F	F	F	F	1	2	3	2	1	1					0.8
19								F	7	9	8	7	8	8	9	8	7	6	7	9					7.2
20								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
21								1	1	F	F	1	F	F	F	F	F	F	F	F					0.2
22								F	F	F	F	F	5	10	10	10	10	10	10	10					5.8
23								F	F	F	F	F	F	F	F	F	F	1	1	1					0.2
24								F	F	F	1	3	8	F	F	F	F	5	10	10					2.8
25								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26								10	10	10	10	10	10	10	8	6	5	7	8	9					8.7
27								2	4	8	10	10	10	10	10	10	10	10	10	10					8.8
28								9	10	10	10	10	9	8	7	6	6	7	8	9					8.4
29								7	9	10	10	10	10	10	10	10	10	9	9	9					9.5
30								10	10	10	10	10	9	9	9	9	9	9	9	9					9.4
Mean								4.9	5.3	5.6	5.8	6.2	6.8	6.6	6.9	7.1	6.8	6.7	6.6	6.8					6.3

TABLE 37.—*Cloudiness—hourly values, Little America*—Continued

DECEMBER 1934

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								9	10	10	10	8	9	8	7	8	10	10	10	10					9.2
2								9	10	10	10	10	7	7	7	8	10	10	10	10					9.1
3								7	4	3	5	8	9	10	10	10	10	10	10	10					8.2
4								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
5								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
6								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
7								F	F	0	0	0	0	0	0	0	0	0	0	0					F
8								F	F	F	F	F	F	F	F	F	F	F	F	F					F
9								10	F	F	F	F	F	F	F	F	F	F	5	9					1.8
10								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
11								F	F	F	F	F	F	F	F	F	F	F	F	F					F
12								9	9	9	8	8	7	7	8	8	9	9	9	9					8.4
13								F	1	F	F	1	2	2	2	2	2	2	2	3					1.5
14								10	10	10	5	8	9	9	5	4	3	2	1	F					5.8
15								10	10	10	5	F	0	0	0	0	0	0	0	0					2.7
16								10	10	10	10	10	10	10	7	6	5	4	3	2					7.5
17								10	9	9	9	9	9	9	10	10	10	10	10	10					9.5
18								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
19								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
20								10	10	10	8	8	9	10	10	10	10	10	10	10					9.6
21								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
22								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
23								F	F	F	F	F	F	F	F	F	F	F	F	9					.7
24								9	9	8	8	7	7	6	1	F	F	F	F	F					4.2
25								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
27								F	F	F	F	F	1	3	7	7	5	4	3	2					2.5
28								F	F	F	F	F	F	F	F	F	F	F	F	F					F
29								F	F	F	F	F	F	F	1	1	2	3	5	9					1.6
30								F	F	F	F	F	F	F	F	F	F	F	F	F					F
31								F	F	0	0	0	F	F	F	1	2	4	6	8					1.6
Mean								6.5	6.2	6.1	5.7	5.7	5.8	5.8	5.6	5.6	5.7	5.7	5.9	6.5					5.9

JANUARY 1935

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								0	F	F	F	F	F	F	F	F	F	F	F	F					F
2								3	6	7	8	8	7	7	F	F	4	F	F	F					3.8
3								5	3	2	2	5	7	10	10	10	10	7	5	3					6.1
4								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
5								F	F	F	F	F	F	F	F	F	F	F	F	F					F
6								0	F	F	F	F	F	F	F	F	F	F	F	F					F
7								10	10	10	10	10	10	10	10	9	8	8	6	4					8.8
8								1	7	8	8	8	8	8	9	9	10	10	10	10					8.2
9								2	0	0	F	0	0	F	F	0	0	F	F	F					0.2
10								9	7	1	2	6	10	10	10	10	10	10	10	10					8.1
11								9	9	9	9	8	5	1	2	5	10	10	10	10					7.5
12								10	10	10	10	10	8	10	10	10	10	10	8	7					9.5
13								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
14								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
15								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
16								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17								10	10	10	10	10	10	10	9	9	9	9	10	10					9.7
18								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
19								10	10	10	10	10	10	10	10	10	10	9	9	9					9.8
20								4	3	3	3	3	3	5	7	8	8	8	8	8					5.5
21								5	8	7	6	5	4	6	3	2	F	F	F	F					3.5
22								10	10	7	4	3	5	10	10	10	10	10	10	10					8.4
23								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
25								9	9	9	10	10	10	10	10	10	10	10	10	10					9.8
26								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
27								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
28								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
29								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
30								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
31								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
Mean								7.6	7.8	7.5	7.5	7.6	7.6	8.0	7.7	7.8	8.0	7.8	7.6	7.4					7.7

TABLE 38.—*Meteorological notes on board ship in the Bay of Whales, January 1, to February 15, 1929*

January 1, 1929.—A cloud day with slight SW winds and moderate temperature. A layer of StCu (SW) was present throughout the day.

January 6, 1929.—StCu split up into two layers at 9h, the lower of which immediately began to build vertically through strong convection.

The sky darkened rapidly in NNE at 10h and a snowsquall came up from that direction reaching the ship at 10:24. Moderately heavy snow fell for half an hour with visibility lowered to 300 ft.

A fog set in quickly around 23h with visibility finally lowering to less than 300 ft.

January 7, 1929.—The dense fog continued until 2:30 when it was quickly dispersed. Fog apparently of a local nature, covering the open bay from the mouth to a short distance within the bay ice.

Temperature falling again in the afternoon with the wind around to a southerly direction.

January 8, 1929.—A cloud day with a few flakes of snow falling generally. Somewhat unpleasant outside due to a fresh SW wind and temperatures a trifle lower than during the past few days.

The StCu changed to a low layer of St at about 50 m. in the evening. Another dense fog shut in suddenly at 23h, visibility decreasing to 400 ft. By midnight the fog had entirely lifted.

January 9, 1929.—An overcast of StCu prevailed in the morning but began to break up around 14h when a very definite change in the sky took place.

At this time a layer of CiSt was disclosed at an altitude of about 7,500 m. moving slowly from WSW. Another layer of dense ACu moved in beneath the Ci after 18h moving from NW.

Barometer settling slowly in the evening; wind veering slowly from N towards E and increasing steadily.

January 10, 1929.—The first blizzard since our arrival here.

A SE wind filled the air with fine, blinding drift which reduced the visibility over the bay ice to less than 100 yards. Moderate snow probably fell until about 9h when the sun became faintly visible through a broken layer of ASt. The best estimate of the snowfall is about 2 inches. The snow covering along the edge of the bay ice built up 2 feet owing to drift.

The blizzard diminished rapidly in the late evening, the air becoming practically calm by 23h.

January 11, 1929.—Following the comparative calm around midnight the wind set in from SW and increased steadily in velocity. Mild blizzard conditions prevailed after 4h continuing until early in the evening when the wind diminished.

The drift made dog sledging on the ice out of the question. Bright blue sky with only a few scattered Ci and high ASt.

The surface snow is firmly packed today, providing uniformly good footing for walking.

January 12, 1929.—A quiet pleasant day. 8.5° in the early morning was the lowest temperature recorded so far but was scarcely noticeable in the calm air.

The high relative humidity of the past 2 days continued during the morning with a thin layer of St forming at a height of about 100 ft., even coming down to the sea near the east barrier at 9h. Wind and cloud direction were both variable at this time.

ACu appeared in SW at 9h, advanced overhead and gave way to a solid layer of StCu just before noon.

A very light snow fell at intervals after 13:45.

January 13, 1929.—A dark overcast of StCu prevailed in the morning with an occasional light flurry of fine pellet snow falling.

Gradual breaking up of the clouds in the afternoon, giving bright warm sunlight again.

January 14, 1939.—Scattered low St in the morning gave way to a layer of StCu at about 2,400 m. The sky broke up rapidly after 16h, disclosing scattered Ci above from WNW.

StCu with bulging tops formed after 19h and a light flurry of snow followed around 20h. Another moderately hard snow flurry set in at 21:30 and continued to fall until after midnight. The snow was of the soft fluffy type.

January 15, 1929.—A light fluffy snow continued intermittently during the early morning ending at 6:30.

Clearing set in after 8h and the balance of the day was fine and with brilliant sunlight.

At 20h a line of bulging Cu tops was observed along the E horizon evidently about 75 miles away. The tops were dome shaped and very similar to small "thunderheads" of temperate regions.

January 16, 1929.—A fine day with brilliant warming sunshine.

Scattered Ci (WNW) prevailed throughout the day. A thin mist (sea smoke) was rising from the open bay water in the evening and blowing out to sea. This sea smoke forms almost invariably when the wind blows off the snow surface.

January 17, 1929.—Another fine day with light winds, brilliant sunshine and a deep blue sky.

On a day of this type visibility is practically unlimited although there is no land or high ice in this section to furnish a definite check.

January 18, 1929.—Increasing SSW winds in the morning becoming strong enough in the afternoon to pick up light to moderate drift. Diminishing wind in the evening.

Dog sledging operations were able to go on uninterrupted.

January 19, 1929.—A bright day.

A band of CiSt appeared in NE in the early morning moving rapidly from NNE; advanced overhead and covered the sky generally during the balance of the day. Probably at a height of 8,000 m., they had an indicated speed of 50 m. p. s. In the morning the Ci were arranged in the form of streamers and mares' tails running from NNE to SSW but in the afternoon had become merged into a sheet form.

A 22° solar halo was visible generally after 14h becoming brighter in the evening. Parhelia were noted around 20h, also halo arc of 270° and upper tangent arc.

January 20, 1929.—A windy day with light to moderate drift prevailing until 15h. Sledging operations were suspended until 11h.

ACu and ASt (NNE) thickened around 14h, especially in NE, while low St (S) formed at the same time. A light snow set in at 15h and continued at intervals through the evening. Between 17 and 19:30 the snow was thick enough to lower visibility to 500 m.

January 21, 1929.—A light snow fell intermittently throughout the early morning. With a decided rise in temperature the snow became moist at 5h and finally wound up with a light drizzle between 9:15 and 9:30.

The lower clouds passed off after this time to give way to a layer of ACu and ASt. As is quite often the case here, the immediate S and SW horizons remained clear.

January 22, 1929.—An unusually mild day with the highest temperature recorded to date of 42.4° F.

All snow and ice about the ship melted and there was considerable settling of the snow mantle on the bay ice.

ACu (NNW) prevailed during most of the day although patches of Ci produced a faint 22° solar halo at intervals.

January 23, 1929.—A low overcast of heavy St in the early morning was followed at 7:34 by a rapid onset of fog with visibility lowering to less than 1,000 ft. The fog extended well up the bay ice to the south at least three miles.

The fog thinned out slowly after 8:30 and was followed by a dark overcast day with increasing SSW wind.

The fog in the morning appeared to form through a dipping to the surface of the very low St cloud layer.

January 24, 1929.—Turreted StCu along the NW horizon at 8h gave way later to typical rounded Cu with bulging tops.

At 12:45 a dark cloud passed slightly to N of the ship moving from WSW and a moderately hard fall of conical shaped snow pellets occurred for 20 minutes. Another lighter flurry fell at 13:15. Rapid clearing took place after this time and brilliant sunlight prevailed during the balance of the day.

January 25, 1929.—A dark overcast day with a light snow setting in at 11:40 and continuing until 15h. A few flakes of snow also fell at intervals in the morning.

Continued overcast and threatening in the evening with St and StCu predominating as before.

January 26, 1929.—Overcast with a very light snow falling at intervals in the morning. A broken layer of StCu prevailed during the afternoon and evening.

A bank of dense fog appeared in S at 20h and reached the ship at 21:05 accompanied by a marked drop in temperature. The fog layer was approximately 30 ft. thick as indicated by the formation of rime upon the rigging.

January 27, 1929.—A beautiful day with brilliant sunlight, unlimited visibility and light winds.

January 28, 1929.—The dense fog continued until about 7h with a light fog persisting until 9h.

A layer of ASt thickened and lowered in the afternoon and a steady snow set in early in the evening.

A heavy deposit of rime formed on the windward side of the ship's rigging during the early morning.

January 29, 1929.—A moderately hard snow continued in the early morning, ending at 4h.

A layer of StCu remained present until late in the afternoon when it passed off and was followed by broken ACu. A light snow also fell between 12 and 13:30.

January 30, 1929.—A partly cloudy day with bright sunlight prevailing generally. In the evening isolated StCu clouds were observed to W and NW with heavy snow streamers projecting from them.

TABLE 38.—*Meteorological notes on board ship in the Bay of Whales, January 1, to February 15, 1929*—Continued

A wide field of the bay ice in the eastern half of the bay went out just before midnight leaving a V-shaped section of open water adjacent to the E barrier.

January 31, 1929.—A moderately heavy shower of ice crystals was present in the morning producing some brilliant halo phenomena. Because of the movement and variations in the density of the crystals, the halo was continually changing in form. The parhelia and upper tangent arc of 22° were the brightest forms shown on the average.

February 2, 1929.—A dark overcast day throughout with a cold easterly wind blowing.

A light flurry of snow fell around 23h.

February 3, 1929.—Thick overcast in the morning with a light snow falling from 5:15 to 9:30.

A heavy north sea was running in the afternoon and evening making it necessary to cast off the ship from her mooring to the bay ice at 19h and head out into the sea in order to escape being pounded against the heavy ice.

The surface wind shifted very suddenly at 19h from E to N and increased in velocity.

Cruising about, off mouth of bay in the late evening.

February 4, 1929.—Diminishing wind and sea in the early morning, the wind veering around again to SE.

Considerable small pancake ice formed in the bay in the early morning.

Cloudy during the day with the cloud layer breaking up in the evening.

A few flakes of snow fell around 8h.

February 5, 1929.—Considerable small pancake ice formed in the bay during the night.

February 6, 1929.—A bank of Cu prevailed along the N horizon after 6h.

Somewhat larger and heavier pancake ice formed around the ship during the night.

February 7, 1929.—A snowsquall passed over the ship near the mouth of the bay between 4:45 and 5:15. At that time dark StCu and St covered the sky.

By 7h the sky had changed entirely showing distinct layers of Ci, CiCu, ACu, and StCu with most of the Ci arranged in streamers and fans converging in SW.

The overcast changed to ASt at 9h through which the sun was faintly visible.

A cutting snow commenced to fall at 11h and continued throughout the afternoon and evening, becoming steadily heavier after noon.

February 8, 1929.—Moderately heavy snow and an easterly wind continued in the early morning until 5:30, when an abrupt lull in the storm took place. The heavy overcast lightened considerably at this time, the wind fell off and the snow practically stopped. At 6:30 however, the storm was renewed and continued during the balance of the day.

Considerable chipping off of the E barrier was observed in the morning.

Blizzard conditions on the barrier all day.

Cruising about, off the mouth of the bay.

February 9, 1929.—Moderately heavy snow and NE winds continued during the early morning. The sun appeared faintly at 8h giving a good check on the movement of the low overcast of ASt (WNW). The sky thickened again immediately, however, and light to heavy snow fell during the balance of the day.

February 10, 1929.—Continued overcast and threatening and with the persistent high temperatures of the past 3 days.

A thick layer of StCu was present throughout.

February 11, 1929.—Light to moderate snow fell in the morning and at intervals in the afternoon until 17h. At this time the atmosphere suddenly and completely cleared up, the visibility becoming excellent.

A dark layer of ASt slightly broken at times continued throughout the evening with gusty E and SE winds.

February 12, 1929.—Gusty SE winds in the early morning backing suddenly to NE at 5:30.

A dark overcast of ASt and StCu prevailed in the morning from which occasional snowflakes fell.

The sky became heavy and threatening just before noon and beginning at 12:20 a series of heavy snowsqualls set in which continued at short intervals until 19:30.

February 13, 1929.—Overcast in the early morning (ASt and St) with snowsqualls setting in again at 5:45.

The wind veered from NE to E and ESE shortly after midnight. During a snowsquall at 7:30 the snow spicules became mixed with a mist which fell for 45 minutes. Enough mist fell to form a thin transparent coating of ice on the windward sides of metal and woodwork on deck.

Sudden clearing around 10h resulted in brilliant sunlight and a clear sky until 13h when St and StCu again moved in. The sky remained overcast but with occasional breaks during the balance of the afternoon and evening.

February 14, 1929.—An overcast day but with high clouds predominating so that sunlight and fine visibility prevailed generally.

February 15, 1929.—A quiet pleasant day.

A high layer of ASt (0?) prevailed mostly with occasional faint sunlight.

Considerable pack ice present out off the mouth of the bay.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*

February 16, 1929.—A quiet pleasant day.

February 17, 1929.—A very thin layer of St cloud drifted in at 8h just above the level of the barrier with a fairly rapid movement from S.

A shower of ice crystals occurred several times during the day and produced some brilliant halo phenomena. Both the 22° and 46° halos were observed, along with the circumzenithal arc, RH and LH parhelia of 22° and a whitish sun pillar. The parhelia were the most pronounced forms shown.

The shower of ice crystals was much heavier here than down at the edge of the bay ice just 5 miles away.

February 18, 1929.—A cold but pleasant and beautiful day.

The sky was cloudless save for a few scattered Ci and ASt.

February 19, 1929.—A cold, cloudless day.

Fresh E and ESE winds picked up light drift until late in the afternoon when they diminished in velocity.

February 20, 1929.—Continued cold with a biting S wind.

Thin slush ice formed across the entire width of the bay near the old ice during the night but was gone by midday.

February 21, 1929.—A bright, clear day with a cold E wind blowing.

February 22, 1929.—The *City of New York* sailed for Dunedin, New Zealand, at 22h, ploughing through the thin but wide fields of new ice that formed over the Ross Sea in the last 2 days.

February 23, 1929.—Ci in the morning gave away to a bank of ACu which appeared in NE just before noon and advanced overhead. The ACu became steadily thicker and finally changed to a smooth layer of ASt at 17h.

After a calm in the early morning a moderate SSW wind sprang up and continued until 18h. A SE wind set in after 20h and steadily increased in velocity during the evening.

A light snow began to fall at 19:15, becoming steadily harder and falling in granulated form after 21h.

The barometer fell in a series of slight steps or waves throughout the day.

February 24, 1929.—Blizzard conditions prevailed throughout the night and continued until late in the afternoon when the wind and drift eased up slightly.

Light snow probably fell until 6h when the sky lightened and disclosed a layer of fairly high but dense StCu. The tops of the radio towers were visible generally from the administration building whereas the bases were obscured.

February 25, 1929.—A cloudy day but with intermittent sunshine.

CiSt and StCu (ENE) prevailed throughout.

February 26, 1929.—Moderate easterly winds stirred up some drift in the morning but the afternoon was more pleasant.

Calm in the evening with another brilliant sunset around 20:30. Pink and lavender predominated and a bright (red) sun pillar also projected up about 15°. A faint greenish glow again prevailed along the northern horizon over the barrier.

At 21:30 the almost full moon burst out upon us after over 2 months' absence.

February 27, 1929.—Pleasant in the morning with intermittent sunshine and practically calm air. The wind set in from E at 15h however, and with an accompanying temperature fall conditions were uncomfortably cold for all outside work.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

ACu gave away to CiSt at 15h which in turn were followed by a low layer of StCu which moved in from NE at 18:30.

Lenticular St observed in N at 19h.

A 22° solar halo was present from 15h to 18:30 ;180° arc.

February 28, 1929.—A moderately cold day and with the typical low cloud layer which prevails here under the persistent easterly winds. Fairly pleasant for outside work however and when the sun did break through the clouds it was perceptibly warm.

Another brilliant sunset in the evening with red and lavender predominating.

Peculiarly shaped wisps and streamers of white stratus cloud, in constant turbulence but with a rapid movement from ENE, were observed in N after 20h, apparently along the edge of the barrier and the sea. Evidently high winds again prevailed out along the edge of the barrier in contrast to light winds here.

Unusually low temperature range.

March 1, 1929.—A light snow fell between 2 and 7h followed by light drift during the balance of the day. The wind eased up somewhat in the afternoon but increased again at 15h, at which time the drift was heavy enough to lower visibility.

A break in the St clouds in the afternoon disclosed a layer of Ci above, which were moving from ENE.

A 22° solar halo was observed from 14 to 16h; 270° arc.

March 2, 1929.—Another snow set in shortly after midnight and was mixed with light drift until the wind decreased around 10h. Between 1 and 2 inches of soft fluffy snow fell up to 7h; after this only spitting snow prevailed during the balance of the day, finally ending at 22h.

March 3, 1929.—Continued overcast in the morning with decidedly lower temperatures under the influence of a S wind. Blue sky prevailed along the SW horizon after noon and a gradual breaking up of the StCu took place during the afternoon and evening.

March 4, 1929.—After light winds in the early morning the wind shifted to E at 5:45 and showed a very sudden increaes in velocity. Light drift set in at 7:30, increased steadily and reached blizzard proportions at 10h. Blinding drift continued through the balance of the day. The sun was visible faintly through broken ASt until 14h when a heavy layer of St moved in (apparently from ENE). Light snow fell with the drift after that time. During a momentary lull in the storm at 19:50 a layer of StCu was observed moving from N.

March 5, 1929.—A dark overcast day with light snow falling continually save for occasional breaks of 10 or 15 minutes. The snowfall was more or less of the squally type and was fairly heavy at times especially around 10h.

St prevailed throughout except between 7h and 8:15, when a break in them revealed a dense layer of ASt at about 4,000 m. moving from NNE.

March 6, 1929.—Increasing E wind in the early morning becoming a blizzard by 8h. Drift then prevailed until late in the afternoon when the wind eased up. Light snow was visible all day falling from a heavy layer of St. The St broke up for a period around 14h revealing another heavy layer of ACu and ASt at about 3,000 m. moving fairly rapidly from NE.

March 7, 1929. A quiet pleasant day. Steadily falling temperature and E winds set in late in the afternoon and evening. CiSt produced some varied halo phenomena in the morning from 8 to 11h.

March 8, 1929.—A sharp rise in temperature during the night was accompanied by an unusual windshift to WNW, the formation of low dark St and a series of light snows from 6:45 to 10:30. Rapid clearing after 11h was followed by a beautiful sky and atmosphere in the afternoon and evening. Visibility was practically unlimited with abnormal contract between light and shadows.

The rise in pressure was the sharpest and most pronounced here so far.

March 9, 1929.—Blizzard. A peculiar feature of the storm was the action of the barometer. After a sharp rise all day yesterday the barometer reached its peak at midnight following which a sudden and sharp fall set in without the slightest indication of "levelling off", as is almost invariably the rule.

Light snow began to fall from a heavy layer of St cloud shortly before 7h and it is probable that light to heavy snow fell during the balance of the day. The day was unusually dark which would indicate that heavy low clouds were present throughout.

March 10, 1929.—With a windshift to SW around midnight the temperature took a sudden and decided fall and the day continued cold throughout.

The St overcast cleared away rapidly after 8h but the air remained full of falling ice crystals which were visible against the sun but not dense enough to alter the bright blue sky above. Some beautiful halo phenomena were produced by the crystals.

The St thickened again after 14h until the sky finally became overcast again in the evening.

The barrier presented a strange and new appearance this morning when pronounced sastrugi, running from ESE to WNW, were visible everywhere. The "flying field" is cut up badly also and is now entirely unfit for use.

March 11, 1929.—A heavy snow set in sometime after midnight and continued until 7h although a few flakes fell until 10h. The snow was of the soft fluffy type and although it drifted somewhat under fresh shifting winds, a fairly accurate measurement of 4 inches was obtained. The sharp sastrugi formed by the last storm were entirely covered over.

An extraordinary rise in temperature accompanied the storm but colder weather again set in at 6h when the wind worked around to SW.

Rapid clearing at 17h followed by a practically cloudless sky at 19h. A heavy bank of StCu appeared in NW at 19:15 however; advanced overhead steadily and covered the sky by 23h.

March 12, 1929.—ESE winds increased around 2h; drift set in at that time and finally reached blizzard proportions at 6h. The drift then continued throughout the morning, eased up slightly in the afternoon and ended in a brief squall at 19:30 when the wind veered to S.

A thin layer of St was evidently present during most of the day with light snow probably falling throughout. The sun was faintly visible in the morning but obscured in the afternoon.

March 13, 1929.—A cold day throughout, disagreeable for all outside work.

A heavy sheet of CiSt and ASt was present in the early morning under which a thin layer of half formed St moved in at 8:15. A light fine snow began to fall at 8:15 and continued until 10h. The sky lightened up slightly after 10h, leaving a patch of blue sky along the S horizon during the balance of the day.

A brief windsquall from the E occurred around 19:30; following this the direction again became S. A tendency of the wind to work toward E was again indicated however after 21h.

March 14, 1929.—The wind shifted to ESE around 3h and showed a sudden and decided increase in velocity. Drift set in at 6h and by 7h had reached mild blizzard proportions. Moderate drift and an easterly gale then continued during the balance of the day.

At 8h a layer of Ci was noted moving rapidly from WNW. An overcast of St and StCu was present during most of the day after that time.

The comparatively light drift today was perhaps due to the absence of falling snow. It seems that light to heavy snowfall accompanies most of the blizzards which occur here.

March 15, 1929.—The wind backed around to NE around midnight and brought with it the usual snow and sharp temperature rise. Moderately heavy snow fell during the night, continued during the morning, eased up at noon and finally stopped at 14h, when the low St overcast broke up. At this time layers of CiSt (SE) and ACu (ENE) were noted and a faint 22° solar halo was visible for a short time; 180° arc. The visibility improved considerably at this time also, but the St. again thickened at 16h and light snow set in at 17:45, continuing throughout the evening.

March 16, 1929.—With a windshift to SW at midnight the temperature took an aburpt and decided fall and the weather became steadily colder throughout the day.

An overcast of ACu prevailed in the morning but gave way to low St which moved in rapidly shortly before noon. The sky became dark and threatening by 12:30 with a moderately heavy snow setting in at 13h and continuing until 15:30. Light to moderate drift prevailed until 16:30 after which steady improvement in sky and visibility set in.

March 17, 1929.—The StCu began to break up steadily after 9h until at noon the weather appeared to have transformed the surrounding country entirely. Following upon days of persistent dull gray skies the sun burst forth with unusual brilliance considering its low altitude and the visibility immediately increased to an extraordinary degree. At 16h the sun became obscured by StCu clouds. Unusual refraction and reflection phenomena were noted on the barrier during the calm air at 15:30.

March 18, 1929.—Light snow continued during the early morning, depositing about ¼ inch. The sky broke up somewhat at 7h but it was 15h before decided clearing set in. Bright sunlight and excellent visibility prevailed in the late afternoon. The first stars became visibile tonight at 18:55.

March 19, 1929.—An uncomfortably cold day throughout with sub zero temperatures and strong easterly winds which stirred up light drift along the surface of the barrier.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

An overcast of ASt and CiSt was present during the entire day. A faint 22° solar halo was visible in the early afternoon.

March 20, 1929.—A day of uncertain weather with fresh easterly winds which constantly carried a threat of drift. The overcast of ASt in the early morning lowered to a layer of dark St at 7h. Large flakes of snow began to fall at 7:45 and continued until 11h, the fall being moderately hard at times. Depth estimated at ½ inch.

The St broke up and disappeared between 15 and 17h when an overcast of thick CiSt (NNW?) prevailed. A faint 22° solar halo was also observed at this time. St reappeared at 17h and were present in broken form beneath an upper layer of ASt (N) in the evening.

March 21, 1929.—An overcast of CiSt (NNE) was present throughout the day producing faint 22° and 46° halos in the early afternoon.

The easterly winds of the past 4 days continued throughout the day although with diminished velocity in the afternoon and evening.

March 22, 1929.—A fine bright day with unlimited visibility and a warming sun which offset the effect of low and falling temperature.

A sheet of CiSt (NNE) was present during the entire day breaking up somewhat in the afternoon and evening, however.

March 23, 1929.—A beautiful day—brilliant moonlight and a practically cloudless sky.

A haze of falling ice crystals formed near the surface at noon and was thick enough to obscure the horizon at times, especially over the bay.

March 24, 1929.—A temperature rise of 30° took place between 23h last night and 11h this morning.

With ENE and NE winds setting in, in the early morning cloudiness increased steadily with ACu and ASt (E) giving way to StCu (E) at noon, and a layer of St (NE) finally moving in rapidly in the afternoon. A light snow set in at 15:30, continuing throughout the evening.

Parhelia at 10h.

March 25, 1929.—A dull cloudy day with a layer of St (ENE) present throughout. A very light snow fell during the early morning and also again in the evening.

March 26, 1929.—Light snow fell intermittently until 9h when the layer of StCu (NNW) began to break up. St moved in late in the afternoon and a light to moderate snow fell during the evening.

March 27, 1929.—Light snow and drift prevailing in the early morning following which the sky cleared up somewhat. A smooth layer of ASt was present throughout however, moving slowly from SSE.

Falling ice crystals were moderately dense around noon, producing the usual bright parhelia of 22° and upper tangent arc. The floating ice crystals have been observed frequently with the oncoming of sharply falling temperature.

Bright moonlight in the evening.

March 28, 1929.—Bright sunlight and unlimited visibility in the early morning. St moved in from SW at 9h covering the sky in the afternoon and giving the typical murky gloom. In a condition of this kind it is practically impossible to walk along the undulating barrier surface without falling down occasionally. Whether incline, ridge, or depression the surface all appears as one.

March 29, 1929.—Another dull overcast day, a thick, dark layer of St being present throughout.

A light snow set in at 17h and continued throughout the evening.

March 30, 1929.—Light snow continued during the night ending at 10h when the St overcast broke up temporarily.

Parhelia were visible for a short time around 10:15. A bright sun pillar was prominent in the NW at 16:30, the fiery red column rising to an elevation of 25°.

The aurora australis was observed for the first time tonight at the camp. A faint changeable curtain was visible in the NW, N, and NE at 21h.

March 31, 1929.—A cold day throughout with the minimum temperature falling below −40° F. for the first time.

A thin layer of very low St was present in the morning but passed off rapidly in the afternoon.

April 1, 1929.—An unseasonably cold day with the temperature reaching −50° F. for the first time.

An image of the barrier was visible along the S and SW horizon around 8h.

April 2, 1929.—Continued cold throughout with the temperature again reaching 50 below.

The sky continues beautifully clear, however, with bright sunlight, light winds, and unlimited visibility.

April 3, 1929.—Continued clear, cold, and calm.

Scattered Ci (NNE–NE) were present throughout.

April 4, 1929.—Continued cold.

A layer of ACu (SSW) was present in the morning, disappearing around 11h. Cloudless in the evening with bright moonlight.

Elevation of sun 7.5° at apparent noon.

April 5, 1929.—A fog formed at 7h with a temperature of −28° F. The fog thickened at 9:30 when the visibility was lowered to less than 1,000 ft. There is no doubt that the fog was made up entirely of supercooled water particles, being noticeably wet when felt upon the face. In the evening in the beam of a flashlight countless extremely minute water particles were plainly visible; a few small flakes of snow were seen floating down slowly at this time also.

A coating of rime about ¼ inch thick formed on practically all objects.

April 6, 1929.—The St overcast and light fog cleared away rapidly just before noon, giving way to a layer of CiSt (NW), which continued during the afternoon and evening.

It is now quite dark by 19h. The moon is but several days from new but the usual brilliant starlight continues.

The aurora has now been observed each clear night since March 31 but without brilliant formations as yet.

April 7, 1929.—A moderate S wind in the morning made for disagreeable conditions outside.

A heavy shower of ice crystals prevailed along the surface around 8h, producing faint reddish parhelia of 22° and an upper tangent arc of 22°. The crystal haze was dense enough to make the sun appear faint and lower visibility to less than a mile. It is probable that St existed in a half formed state at this time also, for they nearly covered the sky a short time later.

Clearing with diminished winds in the afternoon and evening.

April 8, 1929.—Following a cloudless sky in the early morning, thin streamers of St cloud moved in rapidly from SSW at an altitude of about 40 m. Another layer of St—also rather thin—moved in from SSW at 10:45 at an altitude of about 800 m. This layer thickened steadily and visibility decreased decidedly when a light fog formed in the afternoon. A very light snow set in around 16h and continued during the evening.

April 9, 1929.—Very light snow fell intermittently during the night and in the morning. At 11h the sky thickened, a steady snow set in and the wind shifted to E. With the steady increase in wind, light drift began shortly after noon becoming steadily thicker as the afternoon progressed.

April 10, 1929.—The snow and drift eased up steadily in the early morning with rapid clearing of the high ASt taking place after 6h. A few St (scarf) prevailed along the N horizon around 8h. The sun broke out from behind the ASt at 9:30 and was bright during the balance of the day.

Steadily falling temperature after sunrise.

Estimated snowfall, 1 inch.

April 11, 1929.—Another fine, bright day.

A few scattered St (scarf cloud) prevailed along the N horizon during most of the day and a few StCu were also noted around noon. Falling ice crystals were present during the entire day producing some halo phenomena in which red was the sole color exhibited. The sun pillar was also pronounced whenever the sun was within several degrees of the horizon.

April 12, 1929.—A dull gray overcast day.

Fog formed in the early morning and became dense around 6h. After 7:30 the fog lifted slowly leaving thin St (ENE). A fairly thick layer of CiSt (SE) was visible around 10h but following this St moved in again and steadily thickened during the afternoon.

A few flakes of snow began to fall at 17:10.

April 13, 1929.—The temperature continued to rise during the night and during the day until it reached 4° F. in the evening, the highest which has been recorded since March 18.

The layer of St (NNE) thickened in the morning and a few flakes of snow began to fall at 12:35. A light snow fell throughout the afternoon becoming somewhat harder in the evening. NNE winds in the morning showed a tendency to veer toward E in the afternoon and evening. The St were heavy and low in the evening, a searchlight showing the ceiling to be approximately 200 ft. at 20h.

April 14, 1929.—Fresh to strong easterly winds stirred up considerable drift throughout the day easing up gradually in the evening. The drift was accentuated by loose snow already on the surface and by light falling snow.

A heavy layer of low St (ENE) was present throughout.

Water sky apparent along N and NW horizons in the evening.

April 15, 1929.—Continued overcast and threatening with a few flakes of snow falling after 9:50. Between 19h and 20:30 a moderately hard fall of large snowflakes took place; following this the clouds broke up temporarily and a few stars became visible. The sky again thickened late in the evening.

Moderate water sky visible in N and NW throughout.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

April 16, 1929.—Overcast during most of the day and threatening snow in the morning. Snow squalls could be observed falling from heavy dark St clouds along the edge of the barrier to the NW around 7 and 8h. A few flakes of snow fell between 8:30 and 12h.

The St began to break up at 19h.

April 17, 1929.—St moved in from SSW in the early morning and were thick and threatening for a time around 7h. Steady clearing took place after 8h and the sky remained cloudless during the balance of the day.

A tendency was shown toward colder weather throughout.

The lower limb of the sun just cleared the barrier horizon during the 2 hours at midday today.

Stars visible at 14:30.

April 18, 1929.—The CiSt began to break up slowly late in the afternoon allowing bright starlight during most of the evening.

April 19, 1929.—It will be exactly 4 months before the sun rises to view again here.

Faint paraselenae in evening.

April 20, 1929.—Steadily falling temperature and a bitterly cold easterly wind throughout.

A light snow fell from 8:15 until 16h followed by a rapid clearing of the St. Brilliant light from an almost full moon prevailed after 18h.

April 21, 1929.—Extremely cold in the morning with the lowest temperature recorded to date, −51.5° F.

A bank of high ACu clouds (small form) appeared in N and NE at 7h and advanced slowly overhead. Preceeded by steadily lowering visibility after 10h, the temperature rose sharply after 11h. The sky thickened when St began to form until finally a moderate E wind [1] came on very suddenly at 13:15. A combination of drift, some light snow and fog with rising temperature then prevailed during the balance of the afternoon and evening. The moon was visible for only a short time near the NE horizon around 18h.

April 22, 1929.—Fresh E winds prevailed throughout, stirring up considerable drift. It is probable that light snow also fell up until 15h. A heavy overcast of St was present until 14h when the ceiling lifted to form a dark clearly cut layer of StCu. Rapid clearing took place after 18h which was followed by brilliant moonlight from a full moon in the evening.

The first bright lunar halo phenomena were present from 18 to 23h, apparently produced by falling ice crystals.

April 23, 1929.—The sky became overcast with CiSt in the early morning and it is probable that ASt or ACu were present also, since the moon was obscured at times.

A sheet of CiSt was present throughout the day and in the evening producing a bright lunar halo between 17 and 22h. A layer of ACu moved in from NW at 21h and covered the sky at 22h. Brilliant moonlight both in the early morning and in the evening. Faint corona (double band) at 20:30, produced by small ACu.

The east wind reached its peak around 4h; after this the velocity steadily diminished until noon when it became practically calm.

April 24, 1929.—A bitterly cold day, the thermometer sinking to 50° below at noon and continuing downward in the afternoon and evening to set another low record of −57° F. Brilliant moonlight in the evening.

The cold was accentuated by a biting SW wind which reached 15 miles per hour occasionally.

April 25, 1929.— Another bitterly cold day with the temperature sinking to another low record of −58.0° F. in the early morning. The afternoon was felt even colder than the morning for a biting ENE wind sprang up at noon and steadily increased in violence during the afternoon and evening. The wind began to pick up drift at 19h and shortly afterward a light snow began to fall.

An abrupt change took place at 15:30 when the visibility decreased and a thin layer of St moved in from NE covering the sky by 17h. The moon was faintly visible through the clouds until late in the evening. A faint corona was present until 23h.

April 26, 1929.—A moderate blizzard prevailed throughout the day. Light to moderate snow fell from a heavy dark overcast of St and the drift at times was thick enough to lower visibility to 500 ft.

The wind fell off rapidly after 19:30 but light snow continued to fall during the balance of the evening.

April 27, 1929.—A clear quiet day but with much lower temperatures than yesterday.

A thin layer of St formed at 22h just above the surface where the wind shifted very suddenly to NW. Brilliant moonlight in the evening and now the moon is even fairly bright at midday in the twilight.

April 28, 1929.—Dark and threatening in the early morning with a moderately hard snow setting in at 8:15 and continuing until late in the afternoon.

Fresh ESE winds picked up considerable drift at times.

Rapid clearing of the St took place after 18:30 and brilliant moonlight prevailed in the evening.

Falling ice crystals produced lunar halo, paraselenae and upper tangent arc after 19:45.

April 29, 1929.—CiSt thickened in the morning until they entirely covered the sky by 10h. The cloud layer had all of the appearance and characteristics of the Ci type yet the pilot balloon at 11h entered some lower portions of the layer at 2,790 m. The overcast lowered somewhat around noon and became slightly threatening for a while but steady slow clearing took place in the afternoon.

Brilliant moonlight a. m. and p. m. with an auroral display brighter than usual.

Between 7 and 15h the twilight is still bright enough for moving about outside.

April 30, 1929.—Ci and ASt began to thicken in the early afternoon.

Preceded by rapidly diminishing visibility after 20h a thin layer of St formed at 21:30 and soon covered the entire sky. Increasing easterly winds at that time with light drift setting in.

Brilliant moonlight in morning; faint in afternoon and evening.

Stars are now visible at noon.

May 1, 1929.—Blizzard. Stong easterly winds, dense drift, moderate to heavy snow falling from a dark overcast of St cloud, and a phenomenal rise in temperature were features of the storm.

May 2, 1929.—After the severe weather of the past month the air was positively balmy and springlike today under the prevailing abnormally high temperatures.

There was a streaky patch of water sky along the NW horizon. An open lead was reported in the bay along the E barrier within a mile of the camp.

May 3, 1929.—The easterly winds of the past 3 days finally died out at midnight with the air remaining mostly calm until 11h. At that time a bank of fog appeared in S beneath a broken layer of StCu; a breeze set in from S and steadily increased in velocity, backing around to ESE just before 13h. With the oncoming of light fog the temperature showed a sharp and decided fall.

Light drift prevailed during the course of the afternoon with a light snow falling from a dense overcast of St. The St passed off at 18h to disclose a broken layer of StCu through which the diffused glow of a brilliant auroral display was visible. Partial clearing at 18:45 and another brilliant auroral curtain and arch at 22:10.

May 4, 1929.—A clear day. A few scattered Ci were the only clouds present during the day.

Falling ice crystals could be observed in the late afternoon and evening. There was a whitish column above and below the moon at 16:45, produced by falling ice crystals.

May 5, 1929.—A quiet cold day.

A fine view was had of the bay and sea from the edge of the barrier about 2 miles NNE of the camp at 10h. The bay is frozen over solidly in its entirety and the Ross Sea is also frozen as far as the eye could see in all directions although a long narrow strip of St cloud (raised sea smoke) was to be seen about 15 or 20 miles out, indicating open water.

A few scattered wisps of Ci were the only clouds observed during the day.

May 6, 1929.—A clear cold day with almost stationary temperature.

Scattered Ci were present during most of the day; it is now practically impossible to observe the direction of movement of high clouds.

May 7, 1929.—A clear cold day.

A shower of ice crystals formed in the morning continuing throughout the day.

Scattered St prevailed throughout, although some high ACu were noted around 8h.

May 8, 1929.—Clear and cold in the early morning.

A smooth layer of low St formed very quickly at 9h covering the sky in a short time. With the wind setting in from E and ENE, the temperature responded with another sharp rise. A light snow began to fall at 14h continuing during the balance of the afternoon and evening.

A temporary break in the St overcast occurred around 22h, stars becoming visible overhead at that time.

[1] This wind was already present just above the surface at 10:46.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

May 9, 1929.—Light snow and rising temperature continued during the night with the wind backing to NE and finally to N.

At 13h the wind backed further and shortly after 15h settled in the W. Falling temperature accompanied the W wind and the first break in the St overcast came at 16h when the W horizon became clear. Further clearing followed but broken St continued to produce a hazy effect around the horizon in the evening.

The windshift today was an unusual one at this locality.

May 10, 1929.—A dark cloudy day with sharply fluctuating temperature.

Light snow fell from a low layer of St in the morning ending at noon when the St broke up to disclose an upper layer of CiSt. Thin St then prevailed during the balance of the afternoon and evening with stars visible overhead generally.

May 11, 1929.—Dark in the morning with light to moderate snow falling and fresh easterly winds picking up drift.

The overcast of St began to break up at noon but persisted in thin form during most of the afternnon and evening. Stars were visible overhead generally.

May 12, 1929.—A quiet clear day with CiSt prevailing. Thin St formed at 15h and continued throughout the evening although the stars were visible throughout.

May 13, 1929.—A clear quiet day.

A bank of CiSt was present along the NW and N horizon during the day, disappearing in the evening.

A band of heavy ACu stretched across the northern sky around 10h; no movement was visible.

May 14, 1929.—Continued clear quiet weather.

A few thin clouds (probably Ci and St) were present in the NW-NE in the early morning; after this the day was cloudless.

May 15, 1929.—Continued clear and cold.

A few wisps of Ci in the twilight hours and a few StCu in the evening were the only clouds observed all day.

May 16, 1929.—StCu appeared in S and SE in the morning and spread out over the sky. They were dark and thick in the SE during the afternoon, while the NW horizon remained clear throughout.

The StCu broke up rapidly after 19h and passed off to the NE.

May 17, 1929.—An overcast of low St was present until late in the afternoon when they broke up and disappeared.

Clear in the evening with bright moonlight from a quarter moon near the horizon.

A narrow streak of water sky was observed along the N and NW horizons as long as the St layer prevailed.

May 18, 1929.—Clear and cold in the morning but with sharply rising temperature in the afternoon when the wind set in from ENE and E.

StCu moved in late in the afternoon and continued during the evening, although with the moon visible generally.

May 19, 1929.—A dark overcast day with occasional snowflakes falling. A narrow rim of water sky was visible along the N and NW horizons.

A break in the St occurred after 17h allowing bright moonlight through the thin clouds in the evening.

May 20, 1929.—A thin layer of St was present in the morning clearing away shortly after noon. St again formed at 16h however, and a light to moderate snow set in at 17:50 which continued throughout the evening. The St overcast was thin and the moon was faintly visible until 22h.

Barometer low and settling rapidly in the afternoon and evening.

May 21, 1929.—Clearing of the St took place in the early morning and bright moonlight and a clear sky followed around 8h with indications of a fine day, since the temperature had fallen considerably and the wind settled in SW.

Thin St again began to form around 9h and at 9:45 the balloon showed a strong N and NNW wind just above the surface. This N wind set in on the surface at 11:10 accompanied by a sharp rise in temperature, thickening of the St (moving rapidly from NNE) and by light snow in the afternnoon (moderate sized flakes).

The moon was faint to bright through the St layer throughout the day.

May 22, 1929.—Another overcast day but with the moon faint to bright through the thin layer of St (NNE-N). A very light snow fell at intervals.

A brilliant corona of two rings was produced by the moon and the thin St cloud at 21:30.

May 23, 1929.—Continued dark and overcast with the moon only faintly visible at wide intervals.

A light snow fell intermittently in the morning from the layer of St. A thin band of water sky was visible along the N horizon.

May 24, 1929.—A faint 22° lunar halo was observed at intervals between 1 and 9h.

Continued dark and overcast with a light snow falling at intervals in the morning.

A thin layer of St (heavier in N) was present throughout most of the day with a heavy layer of CiSt visible above, a combination which allowed faint moonlight generally. Between 5 and 6h the CiSt were arranged in parallel bands radiating from the N horizon and extending across the sky.

The narrow rim of water sky which has prevailed along the N horizon for the last several days was again present in the morning. Today however, it steadily became more prominent until at 14h it stretched from ENE to an altitude of 25° in N and thence around to WNW. The darkest section was in the NNE.

May 25, 1929.—An unsettled day with light drift after 9:30 and frequent changes in the sky.

A layer of St (NE) was present during most of the day although with temporary breaks around 8 and 14h. Light snow fell in the early morning and again in the evening.

A combination of CiSt and a shower of ice crystals produced a bright 22° lunar halo for a short time at 8h. A fainter halo was observed between 22:30 and 23:30.

The temperature continues moderate.

May 26, 1929.—Continued abnormally mild in the morning but with rapidly falling temperature after 8h.

A moderately thick layer of CiSt was present until evening with another thin layer of St moving underneath at intervals. Faint to bright moonlight prevailed throughout and a 22° halo was visible at intervals after 1:30. At 14h a faint whitish arc of 270° was observed along with very faint parhelia.

The winds were gusty between 8:30 and 17:30, seeming to blow in a series of waves at intervals of varying duration. Between 8 and 11h the wind fluctuated alternately between E and SSE always blowing harder from E.

May 27, 1929.—CiSt were thick in the early morning, especially around 3h and were generally arranged in bands running from N to S. These clouds passed off to the W horizon after 5h and the balance of the morning was clear with brilliant moonlight and the lowest temperature since the 18th.

A sudden and decided change occurred at noon: Wind setting in from E, a very sudden formation of a thick St layer and steadily rising temperature. With increasing wind in the late afternoon drift set in and was mixed a little later with falling snow. The wind and snowfall increased late in the evening.

May 28, 1929.—Continued unsettled, mild weather with snow and drift prevailing generally. Moderate snow fell in the morning, ended around midday when the St overcast passed off to the W and again fell in the evening when the sky thickened once more.

A narrow rim of water sky was visible along the N horizon in the evening.

May 29, 1929.—A persistent light snow fell during the day ending late in the evening when the St gave way to Ci. The snow continued to fall even during the occasional intervals when the sky cleared and there was bright moonlight.

At 21:30 there was an unusual combination of falling snow, bright moonlight, a bright 22° lunar halo and an auroral streamer. The halo was bright whitish in appearance, had an arc of 180° and continued until just before midnight.

May 30, 1929.—Clearing in the early morning with colder weather than has prevailed for several days.

A layer of thin St persisted through the morning, however, and finally thickened again in the afternoon. Another light snow soon set in and continued during the afternoon. The moon was faintly visible at most times and became bright in the evening.

21h. Paraselenae and lunar pillar; CiSt near horizon.

May 31, 1929.—Another dark overcast day with a few snowflakes falling at intervals in the afternoon and evening. A few stars were visible overhead at times but the moon being nearer the horizon was obscured throughout.

CiSt were present along the horizon in the early morning.

June 1, 1929.—Overcast in the morning with a light snow falling. A sudden clearing of the St occurred at 13h, the sky remaining clear until 16:30 when a layer of StCu moved in.

Moderate ESE winds during the day increased steadily in the evening with thick drift setting in.

June 2, 1929.—A dark overcast day with light snow falling until late in the afternoon. Considerable drifting in the early morning. The St layer cleared away quickly after 21h.

June 3, 1929.—A clear calm and cold day with the lowest temperature since April 25.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

Falling ice crystals produced a bright lunar pillar in the early morning. Brilliant starlight.

A few Ci along the NW horizon were the only clouds noted during the day. A haze formed around the entire horizon in the evening with the wind showing a tendency to set in from NE.

June 4, 1929.—Fresh easterly winds in the early morning backed very suddenly at 7:30 to NE and became stronger. A pilot balloon ascent shortly afterward showed a pronounced NNE drift above also, yet the sky remained clear during the entire day. The wind shifted gradually around to E after noon and the temperature, which had shown a sharp rise in the morning, began to fall again.

The barometer rose sharply during the day.

June 5, 1929.—Falling temperature in the morning with strong SW winds picking up considerable drift between 3 and 5h.

Light NE winds in the afternoon shifted suddenly to SW at 21:30, increasing somewhat, became SSE at 22:30 and finally shifted to E at 23:30, increasing immediately in velocity and another blizzard was in progress. The usual sharp temperature rise had already set in at 19h.

June 6, 1929.—A midwinter blizzard with the strongest wind and the highest temperature since the middle of March.

The temperature rise amounted to 65° in 20 hours. Snow fell until 9:15 when the St began to break up and disclosed a heavy layer of StCu above. A pronounced water sky was visible from NW to NE at this time. Strong SE winds shifted to S at noon and strong gusts of wind continued during the afternoon but diminished somewhat in the evening.

The S wind in the evening was very shallow.

June 7, 1929.—Relatively low temperature and a clear sky prevailed in the early morning with the wind settled in S. A sheet of CiSt and ASt moved in at 9h and continued until late in the afternoon when a thin layer of St formed. Snow began to fall at this time and a strong N wind set in very suddenly, picking up considerable drift. This was accompanied by a marked temperature rise.

Clearing after 21h.

June 8, 1929.—A clear day with bright starlight except for a short period in the early morning when light snow fell from an overcast of St.

The temperature continues moderate.

June 9, 1929.—An unsettled day with continued high temperatures.

CiSt thickened in the morning and were accompanied by thin St after 7h. The wind set in from E at 7h and increased steadily in velocity. Light snow set in just before 10h, continued until 16h, when the sky cleared up suddenly and then set in again in the evening when another thick layer of St moved in.

June 10, 1929.—Continued unseasonably mild temperature and with a steady light to heavy snow falling throughout. Stars were visible during most of the day through a thin broken layer of St and apparently of CiSt above. Two inches should be a conservative estimate of the snowfall.

June 11, 1929.—Continued abnormally mild with a light snow falling in the early morning and continuing until 9:45 when it changed to a light mist. Several experiments were tried before this extraordinary phenomenon of a midwinter Antarctic rain could be recorded as an actuality. The handle of a shovel was placed in the snow with the metal exposed and a thin layer of coarse whitish granulated ice formed upon this during the course of an hour. A flashlight was then placed in the snow to chill it and when turned to windward, minute water droplets were observed to collect upon the glass face. In the bright beam of the light the mist particles were noted to be falling at an angle of approximately 45°. Rime formed at a rapid rate during the afternoon and evening. At 14h a length of galvanized iron wire (0.03 inch in diameter) held a wedge shaped tentacle of rime 1½ inches long and by 17h this had increased to 2½ inches. Other objects such as skis, radio masts and a theodolite held projections as much as 3 inches in length.

The St layer was very thin since stars were visible at almost all times.

June 12, 1929.—A clear calm day.

The wind average today was the lowest which has been recorded here to date.

The heavy coating of rime remained on all exposed objects throughout the day and a very thin crust was noticeable on the barrier.

June 13, 1929.—Clear in the morning with lower temperature than has been recorded since June 7, although still well above the apparent normal for the season.

Thin St began to form at 8h and thickened in the afternoon when a steady light snow set in.

June 14, 1929.—A dark overcast day with a moderately heavy fall of light, fluffy snow. A thick layer of St was present throughout.

Continued moderate temperature.

June 15, 1929.—Dark and overcast in the morning.

The St layer began to break off and pass to the N after 13h. Brilliant moonlight in the evening with a faint 22° lunar halo at 19h.

The temperature has begun to fall at last until in the evening it was approximately normal for the first time in 11 days.

June 16, 1929.—A fine clear day with a faint twilight at noon and bright moonlight after 10h. The moon was again fantastically distorted by refraction when it rose above the horizon at 9h. It appeared much smaller than normal and seemed to be six sided instead of circular.

Scattered Ci and St clouds prevailed along the NE horizon during most of the day. The CiSt began to thicken late in the afternoon and produced a faint 22° lunar halo during most of the evening.

June 17, 1929.—An overcast day with abnormally high temperature. Light snow fell in the early morning and again around noon. The overcast was a smooth uniform layer through which the moon could just be discerned and it is probable that it consisted of a moderately thick layer of CiSt, some ASt below, and St were also observed off to the N throughout. A pronounced water sky extended from NW to NE.

A very faint 22° lunar halo was visible at times in the evening.

Wind gusty and unsteady throughout.

June 18, 1929.—Another dark overcast day with light to moderate snow falling throughout.

A strong water sky prevailed along the NW to NE horizon in the morning, became fainter around 14h, disappeared late in the afternoon, and then reappeared late in the evening.

Continued moderate temperature.

A break in the St around noon disclosed two heavy upper layers of ASt and CiSt through which the quarter moon was just visible. The St closed in again at 13:30.

June 19, 1929.—Another dark overcast day. Light snow fell in the early morning, but after the wind shifted to NE at 5:15, the fall became heavier and moderately heavy snow then fell until late in the afternoon. With the high temperature and comparatively light wind in the afternoon the snowflakes were unusually large, single hexagonal crystals measuring as much as 0.3 inch in diameter and other complex flakes being still larger.

The snow ended up with a very light mist between 18:30 and 21h which formed a thin transparent coating of ice upon exposed objects.

Moon faintly visible at times.

June 20, 1929.—Continued overcast with a light snow falling around midday. CiSt in the early morning produced a 22° lunar halo between 1 and 14h. St formed around 4h and continued during the balance of the day. A water sky prevailed in the N between midnight and 8h. The moon was faintly visible at times.

June 21, 1929.—Continued unsettled with moderate temperature and a light to moderate snow falling gently in a light wind during most of the day.

A heavy layer of CiSt prevailed at most times although ASt were also numerous. It appeared as though the snow was falling from the CiSt in the morning. The full moon was faint to obscured during the day but brilliant moonlight was present in the evening when the sky cleared up.

A faint 22° lunar halo was observed at 4h. At 8h the CiSt were arranged in parallel bands running from ESE to WNW.

June 22, 1929.—Continued overcast and with moderate temperature. A sheet of CiSt prevailed in the morning producing a faint 22° lunar halo around 4h. In the afternoon and evening a smoth sheet of high ASt covered the sky. Light water sky visible in N and NW in the evening.

June 23, 1929.—Continued overcast and with moderate temperature. The moon was visible at most times through the layers of ASt and CiSt.

A 22° lunar halo was noted at 7:30 but a much brighter one prevailed in the evening from 18h to midnight. CiSt and ASt in the evening had a moderately rapid movement from NNW.

A faint water sky was apparent at most times in NW and N.

June 24, 1929.—Continued overcast and with moderate temperatures. A steady light snow fell during most of the day, fairly large hexagonal crystals which accumulated to a depth of ½ inch in the evening.

The moon was faintly visible at times during the day while during a temporary break in the sky around 22h brilliant moonlight prevailed. St again closed in at 22:30.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

June 25, 1929.—A midwinter blizzard set in shortly before noon and came from a very unusual quarter, NE. A gale with gusts exceeding 40 m. p. h. at times continued throughout the afternoon and early evening, easing up after 20h.

The sky remained overcast throughout with a light to moderate snow falling. The drift today from the NE built up the level of the barrier considerably, since it filled in all of the hollows which existed between the parallel ridges formed in previous ESE and E drift.

June 26, 1929.—Partial clearing in the early morning followed a shift of wind to N, but another layer of St was present at 7:30 and continued during the day. This layer of cloud began to break up late in the evening and intermittent bright moonlight prevailed up to midnight.

A faint 22° lunar halo was observed in the early morning.

A marked rise in pressure began about 1h and continued all day.

June 27, 1929.—A single faint auroral band extending from NW-SE was observed at 9h and was the first auroral form to be seen in 11 days.

St thickened in the afternoon with light snow and drift setting in at 18h and continuing throughout the evening.

June 28, 1929.—Continued overcast and dark with light snow and drift in the morning. Nearly constant temperatures.

June 29, 1929.—Partly cloudy in the morning with a very light fall of minute snow crystals. The Ci and ASt cleared off rapidly after 11h and the afternoon and evening were clear with falling temperature. Falling ice crystals were visible in the beam of a light in the afternoon.

A faint 22° lunar halo was observed between 3:30 and 4:30.

June 30, 1929.—Ci and ASt appeared around 6h and gave way to broken St in the afternoon and evening. Rapidly clearing of the St took place just before midnight with a sharp fall in temperature setting in at the same time.

A light fall of minute snow crystals occurred in the afternoon and evening.

July 1, 1929.—The sky was clear throughout with brilliant starlight and a faint glow of dawn at midday. A few Ci in the N were the only clouds observed during the day.

July 2, 1929.—Continued cold.

This was the first absolutely cloudless day since February 19.

July 3, 1929.—A severe day with low temperature and strong wind.

Cloudless in the early morning followed by a smooth cloud layer of either St or ASt at 9h and a light flurry of snow pellets. Clearing then set in accompanied by an increase in wind velocity.

July 4, 1929.—A clear and cold day.

A brief easterly breeze sprung up at noon and raised the temperature somewhat, but calm and falling temperature again set in at 14:15.

Scattered Ci were visible in N during most of the day.

July 5, 1929.—Continued clear and cold in the morning with light winds. Scattered wisps of Ci gave way to a thick layer of St which formed very quickly at 14h. The light SW wind shifted suddenly at 15:15 to SE, the velocity increased almost immediately to 30 m. p. h. and another blizzard was in progress.

The blizzard became severe in the evening, moderately heavy snow falling and adding to the density of the drift picked up by the gale which reached a maximum velocity of 54 m. p. h. at 22:03.

A sharp rise in temperature and a phenomenal fall in pressure were other features of the storm.

July 6, 1929.—The wind shifted to S at 1:15 and diminished in intensity but increased again. Blizzard conditions prevailed during the morning but the wind fell off abruptly at noon and the sky cleared up at the same time.

July 7, 1929.—A rapid formation of St and a shift in wind to NE at 5h resulted in light snow and a sharp rise in temperature. As the wind diminished at 10:30 the temperature again fell and the balance of the day was clear, cold, and calm. A few Ci and ASt were visible along the N horizon in the afternoon.

July 8, 1929.—Continued clear and cold.

July 9, 1929.—An extremely cold day with the temperature reaching −70° F. for the first time; winds light.

Slight cracking noises were heard repeatedly in the evening and were probably due to contraction of the bay ice.

July 10, 1929.—Continued clear, calm, and cold.

July 11, 1929.—Continued cold and with fresh SW winds which made the day a severe one.

A haze prevailed along the horizon all day through which the crescent moon was faintly visible in the afternoon and evening.

July 12, 1929.—Continued clear and cold.

Scattered Ci and ASt were present during most of the day. Crescent moon bright in the afternoon and evening.

July 13, 1929.—Continued clear and cold until the early evening when the temperature rose and CiSt thickened to produce a bright 22° lunar halo, upper tangent arc, paraselenae and a lunar cross. A very light snow, probably extremely minute frost crystals, fell at intervals in the evening. Bright moonlight from a half moon in the afternoon and evening.

July 14, 1929.—The CiSt thickened in the early morning and a thin layer of St evidently formed at the same time. Very light snow fell until 3:30 with moderate E winds and rising temperature. Mostly clear during the balance of the day except for a period early in the evening when the CiSt thickened. Another bright 22° lunar halo was observed from 17 to 21h. Bright moonlight after 10h.

July 15, 1929.—Another fine day with a thin film of Ci cloud producing a bright lunar halo around midday.

Barometer unsteady.

July 16, 1929.—A haze of falling ice crystals prevailed in the afternoon and evening. Brilliant moonlight throughout with a thin film of Ci (combined with the ice crystals probably) producing a bright 22° lunar halo.

July 17, 1929.—Continued clear and cold with brilliant moonlight.

A bright 22° lunar halo and paraselenae were observed between 3:30 and 8h. Thin Ci which were present in the early morning disappeared at 10h leaving the balance of the day cloudless.

The haze of falling ice crystals continued until 6h when the air cleared up considerably and the sky and horizon became unusually clear.

July 18, 1929.—A moderately heavy layer of St moved in rapidly from ENE at 7:35 covering the whole sky within a few minutes. The sky continued overcast with the moon showing faintly at times, a very light snow and drift occurring around midday, until 17:30 when the sky cleared up quickly.

Brilliant moonlight again prevailed in the evening producing an unusually bright 22° lunar halo and upper tangent arc. Either very thin and transparent Ci or falling ice crystals produced the halo.

July 19, 1929.—SW winds and scattered Ci in the early morning were followed by a windshift to W at 7:30, a rapid formation of St and by a sharp rise in temperature.

The St continued dark and heavy until late in the afternoon when they lifted to form a broken layer of StCu which had a moderately rapid movement from SW. A brilliant lunar cornona was visible occasionally until 20h when rapid clearing set in. Brilliant light from a full moon after this time

Marked water sky from NE to W along the immediate horizon around midday.

July 20, 1929.—A dark overcast day with light to moderately heavy snow falling in the morning and with maximum temperature above zero.

A narrow rim of water sky was again visible along the N horizon in the afternoon.

July 21, 1929.—A colder day but fairly pleasant throughout with diffused moonlight of the full moon through layers of CiSt and thin St cloud.

A faint 22° lunar halo was produced by the CiSt occasionally in the morning while in the afternoon the thin St resulted in a bright lunar corona.

July 22, 1929.—CiSt in the morning were followed by a formation of St which moved in rapidly after 12:30. The moon was obscured after 13:15.

A 22° lunar halo, paraselenae and an upper tangent arc were observed at 8h.

July 23, 1929.—An unsettled day with a high layer of CiSt prevailing and with low layers of St at times.

Moonlight was mostly faint to bright.

July 24, 1929.—Cold until 18h when a thick layer of StCu formed, a NE wind set in and the temperature rose rapidly.

July 25, 1929.—Scattered CiSt and ASt in the morning were followed by a heavy layer of St in the afternoon. Increasing S winds and steadily falling temperature in the late afternoon with a fine snow falling. The snow crystals were minute but sharp and "icy." It is possible that this "snow" was the remnant of some drift which had been carried in the air by the wind from some distant locality yet the dense overcast would favor the belief that it was actually precipitated snow.

Water sky observed in N around 4h.

July 26, 1929.—A clear, cold day.

Gusty SW winds which occasionally picked up light drift in the morning shifted to W in the afternoon.

A bright lunar cross and 22° lunar halo were observed in the evening after 22h (photograph taken).

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

July 27, 1929.—Continued clear and cold.

Calm until 10:10 when a gusty SW wind sprang up which continued during the afternoon.

Broken layers of CiSt and StCu appeared at 8h but slowly passed off around noon.

July 28, 1929.—A clear, calm and cold day with the temperature reaching another low mark of −72.4° in the evening at 21:30.

July 29, 1929.—A disagreeable day.

A heavy layer of St moved in after 7h with a biting easterly wind and with light snow in the afternoon.

Clearing set in at 18:30 but the horizon remained thick and hazy in the evening with a water sky showing in N after 21:30.

July 30, 1929.—A severe blizzard set in very abruptly after midnight.

Heavy snow fell and the temperature rose sharply to −5°, highest reading of any day this month except the 20th.

The blizzard ended abruptly at 9:30 but was renewed spasmodically from the S during the balance of the day.

July 31, 1929.—Snow began to fall at midnight and continued unusually heavy throughout the entire 24 hours. It was one of the heaviest falls we have seen here so far.

Strong E winds in the morning backed to NE late in the afternoon and the temperature rose well above zero. A dense low overcast of St was present throughout.

Temperature range of 82° in 3 days.

August 1, 1929.—Moderate to heavy snow fell from a dark thick overcast during the day, finally ending in the evening. This evening the barrier is a series of bare hard spots and deep drifts of loose soft snow. The snowflakes today were hexagonal and averaged ⅛ inch in diameter.

A mist began to fall at 20:45 and continued until 22h producing a thin, transparent coating of ice upon all exposed wood and metal. As on June 11 the water droplets were falling at an angle of about 45° and were plainly visible on the face of a flashlight.

Temporary break in St overcast at 22:30.

Abnormally mild throughout.

9.5 inches of snow in 3 days; the heaviest fall we have experienced so far. The coldest period of the entire winter has been followed by the severest blizzard and the heaviest snowfall of the year.

August 2, 1929.—A partly cloudy day with strong E and SE winds which picked up considerable drift.

A bank of heavy StCu which was observed in the E, SE, and S in the morning advanced slowly overhead in the afternoon and covered the sky in the evening.

Faint water sky in N between 18h and 24h.

Continued abnormally high temperature.

August 3, 1929.—Light snow continued to fall in the morning, apparently from a high layer of ASt or CiSt. Layers of ASt and CiSt continued until early in the afternoon when slow clearing set in.

A water sky was visible in N between 9h and 13h.

Colder today yet still abnormally mild.

August 4, 1929.—A cloudless sky in the early morning was followed by a rapid onset of St cloud at 7h. The St layer continued during the balance of the day. A hard driving snow set in at 19:40 and fell thereafter throughout the evening.

August 5, 1929.—Continued overcast and with slight snow falling generally. A temporary break in the St overcast occurred at 19:30 but they began to thicken once more just before midnight.

A dark water sky was visible along the immediate N horizon in the afternoon and again late in the evening.

Continued moderate temperature.

August 6, 1929.—A cloudless sky in the early morning was followed by a rapid formation of St at 8h and the balance of the day was dark and overcast. Light snow fell from 7:30 to 13h.

A pronounced water sky was visible in NW, N, and NE in the afternoon.

The shallow S and SSW surface winds continue.

August 7, 1929.—Cloudy in the early morning with a little light snow and a water sky in N. Clearing in afternoon.

Between 9h and 14h wisps and streamers of very thin St were observed in peculair action at an altitude of about 100m. At 10h the clouds along the NE to NW horizon were moving rapidly from ESE at an indicated velocity of 20 m. p. s. while the clouds directly overhead at the same altitude and at the same time were dead calm.

August 8, 1929.—A fine clear day with fairly strong twilight between 8 and 14h. The first faint glow of dawn now appears at 6h and continues until 16h. Total darkness prevails at other hours.

The crescent moon was visible in the afternoon.

August 9, 1929.—Another fine day with light winds.

At 15h Ci clouds spread out from the N horizon in the form of a fan. Thin Ci were present most of the day but disappeared in the evening.

The moon and falling ice crystals produced paraselenae and a lunar pillar between 20h and 22:30.

August 10, 1929.—A calm day; clear and cold until 15h when a thick layer of St formed very quickly and the temperature rose at an extraordinary rate considering the fact that the air was almost calm.

Continued overcast in the evening with a light fog forming after 19h.

August 11, 1929.—A dark overcast day with a steady light snow falling. A layer of St in the morning gave way to a sheet of ASt at 10h. These clouds continued during the balance of the day, passing off rapidly at 21:15.

Moon faint in the afternoon and bright after 21h.

August 12, 1929.—A thin layer of St in the early morning gave way to a layer of fibrous Ci around 10h. The Ci passed off slowly in the afternoon giving brilliant moonlight throughout the evening.

Slight deposit of rime in the morning.

Growing steadily colder after 8h.

August 13, 1929.—A cold day; clear except for a period in the morning when a layer of St prevailed.

A bright 22° lunar halo was observed around 2:30 with paraselenae, upper tangent arc and lunar cross. A corona was also noted at times.

August 14, 1929.—Clear and calm in the early morning was followed at 6:30 by a rapid formation of St, light easterly winds, and light snow.

At 9:30 an abrupt windshift from E to NW took place, the wind becoming stronger and finally settling in the N. Light snow continued and the N wind brought in great billows and waves of dense fog. Fog and drift reduced visibility to zero at times but rapid clearing took place after 11:30.

A 22° lunar halo and a corona in the early morning.

August 15, 1929.—A thin layer of St in the morning began to break up just before noon and disclosed a broken layer of ASt moving from NNE. A sheet of CiSt moved in late in the afternoon (probably with thin ASt beneath) and produced an unusually bright 22° lunar halo in the evening.

Light snow set in at 22:30. Faint water sky in N in the evening. Strong ESE winds just above the surface in the evening.

Steadily falling barometer.

August 16, 1929.—A blizzard set in abruptly at 1:20 and continued unabated through the balance of the day. The gale began from SE but worked around to NE and E in the afternoon; considerable snow fell and dense drift filled the air.

The barometer continued to fall until a minimum of 27.82 inches (station) was reached at 11h.

August 17, 1929.—Blizzard conditions continued in the morning, let up suddenly in the afternoon and then set in again with renewed vigor late in the evening.

August 18, 1929.—Severe blizzard conditions continued during the morning with the wind easing up and the sky breaking up slowly after 12h.

A secondary fall in pressure during the night was followed by a steep and decided rise during the day.

August 19, 1929.—Continued cloudy and abnormally mild.

St in the morning were followed by StCu in the afternoon and by ASt and CiSt in the evening.

August 20, 1929.—A thin layer of Ci was present throughout the day. Conditions being ideal for refraction the sun was visible at noon from the top of the radio towers—2 days before it actually rises above the true horizon.

A light fog formed quickly at noon and continued during the rest of the afternoon producing a moderate coating of rime.

A very faint 22° lunar halo, and paraselenae were visible late in the evening. A corona was observed early in the morning and again late in the evening.

August 21, 1929.—ASt thickened after 6h and continued until late in the afternoon when they gave way to a layer of St.

A light fog formed for a short time late in the afternoon.

Continued moderate temperature.

August 22, 1929.—Ci and ASt began to clear away after 9h affording an excellent view of the returning sun. The sun was well over the horizon at noon when seen from the bay ice.

Lower temperature today with a biting SW wind which made the day a severe one.

August 23, 1929.—Continued low temperature but lighter winds than yesterday.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

August 24, 1929.—Continued clear, calm and cold.
A shower of ice crystals in the morning cleared away at noon.
A few Ci at noon were the only clouds observed.
August 25, 1929.—Continued clear, calm and cold.
A shower of ice crystals was present during most of the day.
August 26, 1929.—Continued clear, calm, and cold.
A few Ci along the NW horizon around noon were the only clouds observed all day.
The snow covering on the new ice which formed at the mouth of the bay last March at present ranges from 4 to 6 inches and is as firmly packed as the barrier snow. The sea today was covered with ice as far as the eye could see (Paul Siple).
August 27, 1929.—A calm, cold day.
Thin CiSt were present during most of the day.
August 28, 1929.—CiSt in the morning were followed by rapid formation of thin St at 11h. A very light snow began at 16:45 and continued through the evening.
August 29, 1929.—A dark overcast day with a very light snow falling constantly.
A layer of St was present throughout the day although occasional breaks in the cloud showed another sheet of ASt above.
Much higher temperatures.
August 30, 1929.—A layer of low ASt was present during the day but passed off quickly after 19h.
A very light fall of snow around midday.
August 31, 1929.—A cold day. A few Ci were the only clouds observed.
September 1, 1929.—Continued cold.
Practically dead calm throughout with extraordinary conditions of audibility. In the afternoon the footfalls of men more than a mile away over the barrier were plainly audible, while their voices (in an ordinary tone of conversation) were discernible almost to the point of hearing a complete conversation.
A moderate contraction noise in the barrier was heard to the north at 15h.
September 2, 1929.—A cloudy day with slowly rising temperature.
ASt (ENE) and StCu (ENE) gave way to a solid sheet of St in the afternoon.
A very light snow fell between 8:30 and 9:30.
September 3, 1929.—Continued cold. ASt and St passed off gradually after 9h but a combination of light fog and falling ice crystals continued.
A faint 22° solar halo and parhelia were observed at 12:15.
September 4, 1929.—Continued clear and cold and with excellent visibility.
Scattered CiSt (NE) were present during most of the day.
September 5, 1929.—A dark, overcast day with a light snow falling in the morning. A sharp rise in temperature during the day was followed by clearing and colder in the evening.
A layer of St was present during the day.
September 6, 1929.—St and StCu in the early morning passed off rapidly to the eastward after 8:30, leaving the sky beautifully clear during the balance of the day.
Rapidly falling temperature and a biting SW wind.
Between 15 and 17h unusual formations of St cloud were observed near the NW horizon. Small isolated parts of clouds were bunched up into "whalebacks" while all around them ran curling wisps and streamers.
September 7, 1929.—A clear day with continued cold.
A heavy layer of St moved in rapidly at 20:55, obscuring the moon and stars within a short time. Scattered CiSt were present during the day.
September 8, 1929.—Light drift in the early morning with an E wind.
Rapid clearing of the St and StCu took place after 10:30 leaving the balance of the day clear.
Rapidly falling temperature after 10h, becoming bitterly cold in the afternoon and evening.
Falling ice crystals produced bright parhelia and an upper tangent arc of 22° around noon.
Moon bright in the evening.
September 9, 1929.—Continued clear and cold.
Falling ice crystals produced bright parhelia and a faint upper tangent arc of 22° at 11h.
A bank of CiSt appeared in NE just before noon and continued during the afternoon and evening. In the evening they were arranged in bands running from N to S. Their probable movement was from NW.
September 10, 1929.—Continued clear and cold.
Scattered patches of ASt (SSW) were the only clouds observed during the day.
Bright moonlight in the evening.
September 11, 1929.—Continued clear and cold.
A few ASt (SW) in the morning and some curls and streamers of low St (S) in the afternoon were the only clouds observed during the day.
Bright moonlight during the hours of twilight.
September 12, 1929.—Continued clear, calm and cold.
A heavy shower of ice crystals in the morning cleared up gradually after 10h. Bright moonlight in the evening.
Faint twilight tonight at midnight.
September 13, 1929.—Increasing easterly winds in the early morning with light to moderate drift prevailing during most of the day. The relatively warmer air blowing over the cold barrier caused a formation of fine powdery rime along the surface.
Clearing in the evening with bright moonlight.
September 14, 1929.—Clear and continued cold.
Bright moonlight during the hours of twilight.
September 15, 1929.—Continued cold.
A broken layer of CiSt was present during most of the day, producing a bright parhelion at 14h, and a 22° lunar halo, paraselenae, and an upper tangent arc at 20:30.
September 16, 1929.—Continued cold.
The layer of ASt in the morning gave way to a smooth sheet of CiSt in the afternoon and evening. The immediate S horizon remained clear in the afternoon.
A faint 22° solar halo was observed around 14h and a bright 22° lunar halo during the evening.
September 17, 1929.—A biting easterly wind set in suddenly at 11:15 and continued throughout the afternoon and evening, picking up considerable drift along the surface.
Broken CiSt and ASt during the day gave away to a heavy layer of St at 21h. Light snow began to fall at 23h.
Water sky in N late in evening.
September 18, 1929.—Blizzard conditions in the early morning especially between 4 and 6h, and a marked rise in temperature.
The previous cold spell was the most protracted one experienced here so far.
A heavy layer of ASt continued during the afternoon and evening. Pronounced water sky extended from WNW to NE and up to an elevation of 30° in the afternoon.
A faint 22° lunar halo late in the evening.
September 19, 1929.—A fine clear day but with a fresh SW wind.
Patches of Ci and ASt were present during most of the day. Some lenticular ASt were observed to the NW at 16h.
Falling ice crystals produced bright parhelia, an upper tangent arc and a 22° solar halo between 13:30 and 16:15.
Bright moonlight in the evening.
September 20, 1929.—A dark overcast day with light fog in the afternoon followed by light snow in the evening.
CiSt in the early morning produced a faint 22° lunar halo, paraselenae and lunar cross.
St moved in at 5h and continued throughout the day.
A pronounced water sky was visible along the N horizon after 7h.
September 21, 1929.—Another dark overcast day with moderate temperature.
A layer of St was present throughout with the pronounced water sky continuing in the N.
September 22, 1929.—A cold day.
Rapid clearing after 6h was followed by a cloudless sky until noon when a low layer of St moved in from SSW and soon covered the sky. These clouds passed off at 16:30 as quickly as they had moved in.
September 23, 1929.—A cold overcast day with a very light snow in the morning. A layer of St moved in rapidly at 4h and continued during the balance of the day.
Considerable open water was observed by Sverre Strom from the old barrier cache in the afternoon. The usual water sky was observed here at the same time.
September 24, 1929.—Clearing in the early morning was followed by a layer of ASt which moved in from SE just before noon and covered the entire sky late in the afternoon. A water sky was observed early in the evening but faded out after 21h.
A faint 22° solar halo was noted around 14h.
Continued moderately cold.
September 25, 1929.—A cloudy day with fresh easterly winds and light drift. Continued cold.
A layer of StCu (N) gave away to ASt late in the afternoon.
September 26, 1929.—A clear quiet day with continued low temperature.
September 27, 1929.—Continued clear and cold.
September 28, 1929.—Continued clear and cold.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

September 29, 1929.—Continued clear and cold with light wind.

September 30, 1929.—A layer of St formed at 4h when the surface wind settled in the east. No movement was visible at first but at 9h they had taken on a decided drift from the north. Slowly rising temperature was followed at 12:30 by a shift in wind to N and a sharp rise in temperature.

Increasing wind with snow and drift in the afternoon and evening.

Light fog occurred at 8h; temperature −47° F.

October 1, 1929.—Moderate blizzard conditions in the morning with a steady snow persisting throughout the twenty-four hours.

St prevailed but the cloud layer lifted somewhat around midday to form a dense sheet of StCu. A dark day.

October 2, 1929.—StCu gave way to CiSt and ASt at 8h with bright sunlight prevailing most of the day.

Bright parhelia and a faint 22° solar halo between 6 and 9h and again for a short time around 16h. Falling ice crystals (visible against the sun) were probably the agent of refraction and not the CiSt cloud.

A cold day.

October 3, 1929.—StCu gave way to St and a light fog in the early morning. Rapid clearing of cloud and fog after 8h was followed by a bright clear day.

Steadily falling temperature after 8h becoming decidedly cold again in the evening.

Sixteen hours of sunlight now from 4 to 20h, with a strong twilight at midnight.

October 4, 1929.—Clear and continued cold.

Siple and Bursey reported the sea completely open off the mouth of the bay this afternoon. At the edge of the bay ice and the sea (opposite West Cape) a solid curtain of dense fog or "sea smoke" rose to a height of perhaps 150 feet.

The bay is broken up from one end to another into lines of tremendous pressure ridges, some as much as forty feet in height.

October 5, 1929.—An overcast day but with faint sunlight until late in the afternoon.

CiSt and ASt covered the sky until 18h when a solid layer of St formed. A strong water sky became visible to the N at the same time.

A bright 22° solar halo was visible during most of the afternoon and a parhelion at 16h.

October 6, 1929.—The sky continued overcast throughout the day except for a narrow streak of clear sky along the S horizon. StCu gave way to CiSt and ASt in the afternoon. A faint 22° solar halo was visible between 13h and 16:30.

October 7, 1929.—Mostly dark and overcast save for a temporary break in the St layer late in the afternoon. A light snow fell during most of the afternoon and evening.

A strong water sky was visible to N in the evening.

October 8, 1929.—A dark overcast day with moderate temperature.

A layer of low St was present throughout and a narrow rim of water sky was visible along the N horizon.

October 9, 1929.—A dark overcast of St and moderate temperature prevailed until late in the afternoon, when an increasing S wind brought about quick clearing and steadily falling temperature.

Around 17h, while the sky was still overcast, a heavy shower of ice crystals began which produced some brilliant halo phenomena between 17:30 and 18:50.

October 10, 1929.—Thin St moved in rapidly at 8:30 and covered the sky until late in the afternoon. Rapid clearing took place at 16:30 leaving the sky cloudless within a short time.

Continued cold.

October 11, 1929.—A sharp rise in temperature accompanied the formation of a heavy layer of St in the early morning.

Abrupt clearing at 10:30 was followed by another steady and decided fall in temperature.

Bright halo phenomena and falling ice crystals for brief period in the morning.

October 12, 1929.—An easterly blizzard came up suddenly at 7h and continued until late in the afternoon when complete clearing of the sky and diminishing wind took place very abruptly.

CiSt, appearing at 6h, gave way to a layer of StCu at 8:45, which thickened; light to moderate snow.

October 13, 1929.—Continued cold.

A layer of low CiSt moved in from ESE at 5h, became thick for a time, and then practically disappeared at 11h.

A bright 22° solar halo was observed between 9:25 and 10h.

October 14, 1929.—Continued clear and cold in the morning.

At 13h a bank of fog was observed resting upon the barrier hill to the N and apparently rolling in slowly from the sea. This fog bank reached the camp at 16h, reduced visibility to 800 feet for an hour and then slowly lifted to leave a solid layer of St cloud in the evening.

Steadily rising temperature in the afternoon and evening.

October 15, 1929.—Clearing at 10h. Dark water sky to N until clearing occurred.

CiSt (ENE—very slow) were banked up heavily in N around 20h. Parhelion at 20h.

October 16, 1929.—Another fine, bright day.

A bank of ACu (apparently) existed along the NE-N horizon after 12h, thickened and spread more to the southward late in the afternoon and at 17:45 moved rapidly overhead to practically cover the sky. A very shallow surface wind from S continued to blow just beneath the NNW wind throughout the evening.

October 17, 1929.—A dark overcast day with the horizon indistinguishable.

A layer of St was present throughout.

Steadily rising temperature. Water sky.

The first temperature above zero since August 19.

October 18, 1929.—A heavy shower of ice crystals set in at 9:45 with brilliant and complex halo phenomena occurring simultaneously. The shower lessened after 10:15 and disappeared entirely at 10:35.

St thickened again at noon, covered the sky within a few minutes, and grew thicker still during the afternoon. A light fog formed for a time and a very fine powdery snow fell late in the afternoon and evening.

October 19, 1929.—A dark overcast day.

A heavy layer of St and water sky (in the N) during the 24 hours.

A light snow fell at intervals and there was some light drift in the morning.

October 20, 1929.—Continued dark and overcast until 22:30 when the heavy St layer began to break up and to give way to a broken sheet of Ci.

A pronounced water sky was present all day.

A fine powdery snow fell in the evening.

October 21, 1929.—Ci and ACu prevailed in the early morning with some light surface drift at times. The movement of the ACu was extremely unsteady, occasionally from E, SW, or WSW at apparently the same level.

A bright 22° solar halo and parhelia appeared at 5:45. A faint upper tangent arc formed for a short time around 10h. Faint parhelia (alone) continued during the afternoon, ending at 17h. All forms were produced by thin, nearly transporent Ci.

Mild in the morning; rapidly falling temperature in the afternoon and evening.

Open water visible off mouth of bay.

October 22, 1929.—Cold in the early morning but with sharply rising temperature and a formation of low ACu after 4h. The ACu continued during the balance of the morning but gave way slowly to a broken sheet of CiSt (S) around noon.

A faint 22° solar halo with parhelia forming at intervals was noted during most of the afternoon and evening. The parhelia of Ci clouds here are always distinguished from those produced by falling ice crystals by their lesser brilliance and by an absence of the vertical streamers or arcs.

A cold S and SW wind continued throughout.

Open water visible off mouth of bay.

Upper limb of sun visible tonight at midnight, L. M. T.

October 23, 1929.—A dark cloudy day with drift in the morning.

A layer of St (ENE?) prevailed throughout.

Solar halo and parhelia at 1h.

October 24, 1929.—St and light fog cleared away rapidly after 5:30 and the sky remained almost cloudless for the balance of the morning.

St moved in slowly from NE at 11:30, covered the sky in the afternoon and steadily thickened and lowered (as shown by the steady lowering of the water sky seen from the bay). Light fog formed rapidly at 18h, thickened to lower visibility and continued dense throughout the evening.

An unusual mirage was observed from the west side of the bay between 16:45 and 18:30. In the heavy overcast the entire snow scape (barrier and bay ice) was of a grey chalky color except for a brilliant creamy white reflection of the east barrier superimposed just above and slightly beyond the true barrier which was amost invisible in the poor light. The image began just north of Little America and extended slightly beyond East Cape to the north into the open sea. A dark grey water sky and a curtain of sea smoke was visible off the mouth of the bay; the sea has probably been open almost continuously all this month. The bay ice is changing form daily—a new pressure ridge has formed since October 20.

October 25, 1929.—Dense fog persisted in the early morning until 5h when it began to dissipate in the strong sunlight. At 5:30 an arch of a fog bow was observed by F. T. Davies directly opposite

TABLE 39.—*Meteorolagical notes at Little America, February 16, 1929, to February 19, 1930*—Continued

the sun to the west. The ends of the arch at the horizon were approximately 40° apart and the top of the arch 20° above the horizon.

Rapid clearing after this time was followed by a bright clear day with scattered ACu and ASt.

One inch of rime formed on the windward side of all exposed objects during the fog last night.

October 26, 1929.—Another bright day but continued moderately cold.

CiSt (ESE) prevailed throughout the day producing some bright halo phenomena around 8h, consisting of a 22° halo and faint parhelia, partial 46° halo (above the sun) and circumzenithal arc.

October 27, 1929.—Scattered Ci and ASt prevailed until late in the afternoon when a relatively high layer of StCu formed. Snow flurries were observed falling over the sea and to SW in the evening. A few flakes of snow fell here at intervals.

Faint parhelia formed briefly at 1h.

October 28, 1929.—Continued bright weather with moderate temperature and excellent visibility. A bank of CiSt moved in from NE and N beginning at midnight and soon covered most of the sky. Falling ice crystals and halo phenomena from 2h to 4:30.

A 22° halo was visible intermittently in the morning. Later on an upper tangent arc of 22° and parhelia formed; last seen at 15h.

Looming of icebergs to the NE over the sea was observed in the afternoon from the barrier hill to the north.

October 29, 1929.—Another fine day.

Scattered ASt and ACu prevailed until 19:40 when a low layer of St (bases resting on barrier hill at times) moved in rapidly from W. These clouds disappeared at 21h but once more came in rapidly at 21:20.

Snow flurries visible to SW and to N at 22h.

October 30, 1929.—A dark overcast day with a few flakes of snow falling continuously. Heavy streamers of falling snow were visible to the north over the sea during the entire day. A heavy strip of water sky was present throughout.

A dense layer of St continued during the 24 hours.

Moderate temperature.

September and October have both been inactive months; not a real blizzard has occurred since September 18.

The barometer continues extraordinarily steady.

October 31, 1929.—Continued dark and overcast with a heavy layer of St cloud persisting throughout the 24 hours.

Heavy snow flurries were visible to the north against the water sky during the entire day.

A few flakes of snow (mostly pellets or graupel) fell here at intervals. Continued moderate temperature.

November 1, 1929.—Continued dark overcast weather with a dense layer of St remaining unchanged throughout.

Heavy streamers of falling snow were observed to the north against the water sky during most of the day. At 9:15 the streamers were bent sharply in an east wind but in the afternoon they appeared to be blown eastward in a west wind. Most of the flurries appeared to fall along the edge of the barrier and the open sea although one or two advanced several miles in over the barrier. Small pellets and scattered snowflakes fell here almost constantly.

November 2, 1929.—Continued dark overcast weather with moderate temperature.

A very light snow (mostly graupel) fell almost constantly. Heavy snow streamers were again observed to the north against the water sky.

November 3, 1929.—Continued dark cloudy weather with a very light snow in the early morning.

St in the morning lifted to form StCu in the afternoon and evening.

November 4, 1929.—A dark overcast day with occasional light snow flurries falling from StCu cloud.

At 15h the StCu dissipated quickly and disclosed a layer of low CiSt above, arranged in rolls running N and S (no direction visible). Within a short time St (E) moved in to cover the sky and at 16:30 a brisk driving snowfall set in which continued steadily until 20:45. St again gave way to broken StCu at this time.

Cu tops were observed along the N horizon in the morning with the usual strong water sky on the StCu cloud.

November 5, 1929.—Patches of thin St and low StCu drifted in from SSE in the afternoon and thickened in the evening.

November 6, 1929.—A cloudy day with a layer of StCu remaining throughout.

November 7, 1929.—A dark cloudy day with a layer of StCu slowly lowering to form St in the evening.

Heavy snow flurries were visible to N against the dark water sky in the evening and a very light snow fell here at times.

18h: 4 kites and wire forced down on barrier by weight of rime formation in clouds.

November 8, 1929.—A dark unsettled day with almost continual snow flurries either falling here or visible somewhere around the horizon.

At 16:40 a hard snowsquall came up from the north and lasted until 17:25. Another hard snow flurry occurred around 21h.

November 9, 1929.—Sharp driving snow flurries fell frequently from large Cu clouds which towered over the sky and pushed up into bulging dome shaped tops, occasionally even with the typical anvil top of the cumulo nimbus. Strong convection was experienced during a kite flight at that time (11h). The wind at the Cu level also fluctuated frequently; now strong NNW, later light SE and still later ENE.

Scattered CiSt (NNW) were present most of the day and occasionally some false Ci overflow from the Cu. A 22° solar halo was visible at times until 11h; a bright parhelion was also seen around 21:30.

November 10, 1929.—A bright day. Seven separate aeroplane flights were made in the afternoon, the first of the season. The sea was closed in entirely by pack ice and some thin ice which apparently had just formed. Two large bergs were seen stranded near the East Cape.

Scattered CiSt during the day gave way to ACu in the late afternoon. Typical ACu in form, some appeared to lie around 800 meters, others much higher; some appeared stationary along the S-E horizons for hours; other ACu moved from the S. A sharp and sudden drop in the temperature in the evening was accompanied by a shower of ice crystals which produced some brilliant parhelia and arcs. Looming was observed to the SW over the bay ice at this time also.

November 11, 1929.—A pleasant day with the sun either shining brightly or showing faintly through the StCu cloud layer.

November 12, 1929.—A brisk windy day.

An E wind increased steadily and picked up light drift along the surface in the late afternoon and evening.

A low cloud sheet in the early morning began to break up at 9h to form typical ACu although remaining around the 900 m. level.

A faint 22° solar halo and parhelia formed for a few minutes in the afternoon; also a very faint 46° halo.

November 13, 1929.—A fine day.

November 14, 1929.—A disagreeable day but clearing up fine in the evening.

StCu thickened in the morning and fresh E winds picked up drift. Around noon the overcast was a heavy St.

One inch of rime formed on the head kite while in the heavy St layer at midday.

November 15, 1929.—A fine clear day with brilliant sunlight.

November 16, 1929.—A clear day but with an increasing E wind which picked up drift along the surface in the afternoon.

A few scattered patches of Ci were the only clouds all day.

A shower of ice crystals fell from 0 to 3h.

November 17, 1929.—Another bright clear day with warm sunlight and only gentle breezes from SW.

A few scattered Ci were the only clouds observed during the entire day.

From the plane at 12,000 ft. Open water was seen extending along the edge of the barrier for 200 miles. Pack ice and bergs were visible well out at sea.

November 18, 1929.—Another fine day, cloudless save for a few small Cu which developed over the sea for a short time at noon.

November 19, 1929.—Continued pleasant weather; cloudless until 17:30 when a few patches of low Ci moved in from SSW.

November 20, 1929.—Continued clear and fine.

At 15:30 the first low clouds seen here for 6 days appeared along the N horizon and moved in over the camp in the evening.

It has been a remarkable stretch of clear, settled weather.

November 21, 1929.—An unsettled day with StCu alternately building up and dissipating, allowing brilliant sunlight for a while and a short time later almost obscuring the horizon.

A steady light fluffy snow fell in the early morning. The flakes were large hexagonal crystals falling gently to the surface. Heavy flurries were seen to the NW at 3h.

November 22, 1929.—Clearing set in in the E at 2h and the St broke away steadily. Layers of CiSt (WNW) and ASt (WNW) moved in later in the morning and produced halo phenomena throughout most of the afternoon and evening, even while snow was falling.

Complete 22° halo, parhelia of 22° and the circumzenithal arc were visible from 16 to 20h.

November 23, 1929.—Fog formed rapidly after 21h over the barrier to SE and reached the camp for a brief period at 21:45.

Sea full of pack ice.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

November 24, 1929.—Strong water sky.

November 25, 1929.—A mild day.

November 26, 1929.—Strong water sky in afternoon up to 25°.

An unsettled day with alternate sunshine and thick overcast sky with snow flurries.

St in the early morning gave way to rolls of white StCu which steadily raised in altitude during the afternoon.

Slow clearing set in from S and SW at 17h followed by steadily falling temperature in the evening.

November 27, 1929.—A bank of ACu appeared in SW and W just after midnight, moved overhead and continued during the balance of the day.

November 28, 1929.—A mild day but with a steady ESE breeze which picked up lt. surface drift at times.

Scattered ACu in the early morning were followed by patches of StCu (ENE). A bank of StCu appeared in the E at 13h, moved overhead and then remained unchanged until 20h; E, S, and SW horizons remained clear during this period. These clouds dissipated rapidly after 20h leaving the sky clear.

Polar flight departure at 15:29.

November 29, 1929.—Practically cloudless all morning.

StCu moved in from W in the afternoon with an increasing NE wind and some very light snow in the evening.

Polar plane returned at 10:09 after making one stop for refueling at mountain base.

November 30, 1929.—An overcast of StCu in the early morning with fresh E winds and some light drift.

Partial clearing at 5:30.

Wisps of Ci in the afternoon.

December 1, 1929.—A fine day, mild and nearly calm. A few small Ci and StCu were visible along the horizon during the day.

The bay ice remains solid out slightly beyond the capes.

Considerable thawing now in the vicinity of dark objects and wherever the snow is dirty.

December 2, 1929.—Another fine day; clear, calm, and mild. A few Ci were the only clouds.

Blue icicles form daily now on all vertical snow surfaces such as the barrier cliff and upraised pressure ice.

The sea is ice covered as far as the eye can see.

December 3, 1929.—Another fine day with bright sunlight through a layer of CiSt.

A faint 22° halo formed for a short time at noon.

December 4, 1929.—Continued good weather, mild and with bright sunlight.

The barrier surface has softened considerably in the last few days.

December 5, 1929.—Continued fair, mild weather and brilliant sunlight.

A layer of ACu moved in from SW in the afternoon but dissipated in the evening.

A few low St moved in from W at 18:30.

December 6, 1929.—Continued clear, mild weather.

December 7, 1929.—Continued bright, mild weather. Scattered Ci at midday were moving rapidly from WSW.

December 8, 1929.—Partly cloudy but continued fine and mild with bright sunlight through thin clouds.

Very low St moved in from SW at 21h lowered (?) to form lt. fog on the surface for a while and then lifted again. Patches of heavy fog were still visible over the bay at midnight however.

Lt. fog in the early morning was attended by formation of rime on windward side of objects.

December 9, 1929.—St moved in from ESE at about 50 m. at 5h, then lowered (?) to form thick fog. Sun was dimly visible through the fog. Rapid clearing between 12:30 and 13h.

This process was repeated late in the evening when another bank of fog rolled in from SW, the sun again being dimly visible through it.

Except for these brief interruptions the day was fine and mild.

December 10, 1929.—The first break in the stretch of good weather. Fresh E winds were strong enough to pick up light surface drift.

St (E) in the morning followed by StCu (E).

Some CiSt (NW) at midday.

December 11, 1929.—An overcast of StCu (SE) in the early morning followed by abrupt clearing from S at 5:30.

A fine day with bright sunlight through a broken layer of ACu (S).

December 12, 1929.—A pleasant day. Bright, glaring sunlight until 16h when a layer of StCu (W) thickened and continued through the evening.

December 13, 1929.—Overcast in the morning with a dense fog followed by a steady fall of fluffy snowflakes.

Temporary break-up of the STCu in the afternoon but a solid over cast again prevailed in the evening. A mild day.

December 14, 1929.—A cloudy day with some light snow and fog in the morning.

St raised somewhat in the evening to form StCu.

Sounding obtained in Ver Sur Mer inlet just 200 ft. from the mess hall: Snow, 3 ft.; ice, 13 ft.; salt water, 1,590 ft. (to clay bottom).

December 15, 1929.—Dark overcast until 16h with some light snow falling and a moderate NE wind.

Rapid clearing of St at 16h followed by mostly clear until 21:20 when St overcast again prevailed.

December 16, 1929.—A dark cloudy day with a few flakes of snow falling at intervals in the morning.

StCu (SW) gave way to St (SW) shortly before noon and these clouds lowered steadily in the evening, practically resting on the barrier between 19 and 22h.

December 17, 1929.—St were followed by a heavy layer of ACu (NE) in the early morning, permitting occasional sunlight. Much settling and softening of snow about the houses.

Increasing E winds picked up light surface drift in the afternoon and evening.

A bank of low St appeared along the NE and E horizon at 15h and spread overhead slowly.

A light mist began at 23:15 forming a thin transparent coating of ice upon exposed objects by midnight.

December 18, 1929.—A dark day with a light freezing mist.

December 19, 1929.—A dark overcast morning followed by clearing at noon and a fine, clear afternoon and evening.

St gave way to StCu, ACu, and Ci at noon, all of these clouds passing off to form a bank along the W and NW horizons in the afternoon.

December 20, 1929.—Increasing cloudiness and wind in the morning.

December 21, 1929.—A cloudy day with a layer of StCu lowering and thickening in the afternoon. Light snow began to fall intermittently at 15:15 and heavy snow squalls prevailed to NW and N during the evening.

December 22, 1929.—A dark overcast day throughout save for a short period around 8h when the layer of St thinned out considerably and disclosed a sheet of CiSt above.

December 23, 1929.—Another dark, thick day with a combination of heavy St Cloud, lt. snow, lt. drift and lt. fog.

The snowflakes today were large and rather moist.

December 24, 1929.—Continued dark thick weather and poor light conditions.

A heavy fall of medium sized graupel occurred between 19h and 19:45.

December 25, 1929.—Another dark cloudy day with intermittent heavy snow flurries falling from dense rolls of StCu cloud. Visibility as low as 500 ft. during heavier falls at 10h.

December 26, 1929.—Another dark overcast day until 19:45 when the StCu layer began to break along the WSW horizon. Complete clearing half an hour later, permitting brilliant sunlight for the first time in weeks.

Low St again formed at 21:40, thickened steadily and finally (reached the surface?) at 22:15 as dense fog.

A sharp fall in temperature attended this formation.

December 27, 1929.—A fine bright day, the first in weeks. Light winds and brilliant warming sunlight.

Thin St (WSW) formed at noon, thickened for a while and then dissipated.

At 21h low St again moved in from WSW and a light fog formed for a short time attended by a sharp fall in temperature.

Fairchild plane unable to take off at 11h due to sticky snow surface; ½ inch of new snow covers the barrier and becomes moist at midday.

December 28, 1929.—Partly cloudy, calm and unusually mild in the morning with a broken layer of StCu moving in from WSW and W at 12:30. These clouds were soon heavy enough to reflect a dark water sky.

December 29, 1929.—Continued fine, mild weather with intermittent bright sunlight through broken layers of StCu, ACu, and CiSt.

The StCu and ACu formed in the layer where the lower SE wind shifted to NW.

December 30, 1929.—Continued fine weather. Bright sunlight prevailed through thin broken layers of ACu and Ci.

The ACu again formed in the transition layer between the SE and NW winds.

December 31, 1929.—Broken layers of ACu, ASt, and Ci continued during the day permitting faint to bright sunlight.

Patches of StCu moved in from SSE at 19h and gave very light snow for a while.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

The bay ice is in almost the identical position of last year at this time. The W edge is 1½ miles S of West Cape—the E edge is 3 miles S of East Cape.

The first pressure ridge runs E and W about 3 miles S of the edge of the ice.

January 1, 1930.—A cloudy, mild day with light wind.

January 2, 1930.—A temporary break in the St layer at 15:25 showed dense CiSt above.

January 3, 1930.—Hard snow squalls from 12:40 to 13:45.

Large moist flakes fell from a lowering Cu cloud which formed in the N and moved in over the camp. Another series of squalls in the evening.

An unsettled day beginning with a dense fog which dissipated slowly after 4h.

Heavy layers of St and StCu throughout the day with a broken layer of CiSt occasionally visible above through breaks in the lower clouds.

January 4, 1930.—Steady light snow during most of the day but with the sun occasionally visible through the thin St layer (ENE).

Whalers report a southerly gale and clear sky in the ice pack 600 miles to N.

January 5, 1930.—A faint 22° solar halo was visible at intervals during the evening. Whalers again report a southerly gale near and to S of the ice pack.

January 6, 1930.—A brilliant 22° solar halo from 9h to 9:45. A sheet of CiSt (NNE) and high ASt (NE) prevailed throughout the day.

January 7, 1930.—A break in the StCu at 6:30 permitted occasional bright sunlight and fine visibility until late in the afternoon.

ASt and StCu thickened steadily in the evening.

January 8, 1930.—A few large flakes of snow fell at intervals after 13:30. Continued dark overcast sky and bad conditions of light and visibility.

The bay ice has now gone out to within ¼ mile of the barrier cache. There are leads in the ice as far S as Framheim; one, opposite the camp at the mouth of the inlet is 3 ft. wide.

January 9, 1930.—Continued overcast weather with bad light conditions. StCu gave way to a solid sheet of low St in the evening.

January 10, 1930.—Another dark, overcast day, although a break in the StCu layer occurred between 10h and noon which permitted brief flashes of bright sunlight.

Another solid low sheet of St shut in at 20:30.

January 11, 1930.—Continued dark, overcast weather, a layer of StCu remaining almost unbroken throughout the entire day. Patches of low St underneath.

January 12, 1930.—Continued heavy overcast except for a temporary break in the St and StCu layers from 11:15 to 15h.

January 13, 1930.—The solid layers of StCu and St broke up quickly at 13:15 and left the sky almost cloudless by 14h.

January 14, 1930.—A dark, overcast day with occasional light snow flurries.

January 15, 1930.—Another cloudy, dark day with intermittent light snow in the early afternoon.

Abrupt clearing at 18:15 and the evening was bright and pleasant with wind almost calm.

Low St and StCu again moved in from NW at 21:45.

Fog formed on the bay at midnight.

January 16, 1930.—Partial clearing of the StCu at 6h permitted bright sunlight in the morning; but the clouds thickened again in the afternoon and gave a steady light snow in the evening.

January 17, 1930.—Rapid clearing of heavy St at 8:20.

Leads and pools of water in the bay ice are beginning to freeze again.

January 18, 1930.—A dull, cloudy day.

A sheet of CiSt (ESE) was visible at times through breaks in the layer of StCu.

A parhelion of 22° was visible at 21:30.

January 19, 1930.—Another day with a low layer of St persisting throughout. Some light snow in the evening.

January 20, 1930.—Mapping flight to Discovery Inlet and return from 10:30 to 13:45. A bank of clouds was reported as covering the sea and also extending to the west of Discovery Inlet.

An unsettled day with alternate bright sunlight and partly clouded sky. Patches of thin StCu moved in from SW in rapid succession with periods of bright blue sky in between.

StCu were moving from SE at 21h.

January 21, 1930.—A fine bright day with only scattered patches of Ci and ACu dotting the sky.

A sudden increase in the SE wind at 16h.

Mapping Flight to the West from 14:10 to 18:25; "heavy clouds" were reported over the sea and to the W of Discovery Inlet; cloudless over the interior.

January 22, 1930.—Another fine bright day but with a disagreeable gusty SE wind. The "baked" nature of the snow surface prevented any drift.

A few Ci appeared in SW just after 12h, thickened in the evening for a while and then practically disappeared at 22h.

January 23, 1930.—A find bright day but with a chilly E wind blowing until 19h. Almost calm in the evening with a layer of StCu moving in from S after 21:45.

January 24, 1930.—Cloudy in the morning but with slow clearing from S after 12h.

January 25, 1930.—A fine day.

January 26, 1930.—A thin layer of St formed at 2:30 and was soon attended by a light fog which finally became dense at 6:30. The fog lifted in a short time but a broken layer of heavy St persisted until 9:30.

Complete clearing at 16h.

The bay ice along the E barrier is completely broken up into large floes. The edge of open water is now 3 miles N of Ver sur Mer Inlet.

January 27, 1930.—Another fine clear day with small wisps of Ci dotting the sky.

At 18h isolated patches of StCu began to move in from the NW. At 21:30 a heavy, dark bank of cloud began to build up in NW and N, producing a water sky up to 50° elevation.

The cloud layer moved overhead steadily and nearly covered the sky by midnight.

January 28, 1930.—The first blizzard in months.

A steady snow set in soon after 0h and continued until late in the evening.

A heavy layer of St cloud was present throughout.

Whaler *Kosmos* reports calm and a fall of rain. Other whalers at 67.5° S report dense fog.

January 29, 1930.—A fine day with faint to bright sunlight through broken high clouds; Ci and ACu.

The S wind increased suddenly late in the afternoon and produced some surface drift for several hours.

January 30, 1930.—A thin layer of St at an altitude of about 200 ft. in the early morning which underwent frequent changes of form and density while passing over the camp from SW and WSW.

The St disappeared entirely at 12:15 but broken ACu moved in from WSW after 14h.

A shower of ice crystals produced bright parhelia and a portion of a 22° halo between 3:30 and 5h.

January 31, 1930.—A heavy snow flurry fell from a very low and thin layer of St (N) between 3h and 3:20. Successively the snow was small graupel, large feathery hexagonal flakes, finally minute crystals.

The sky cleared up following the squall and remained so until 12h when there was a layer of StCu (direction shifting slowly from WNW to NE). At 15:30 the StCu gave way to a layer of ACu and ASt which thickened steadily and moved in from the NE.

A heavy, steady snow set in abruptly at 16:50 and became still heavier in the early evening with increasing SE winds.

February 1, 1930.—increasing S winds.

A light snow fell in the afternoon and evening.

Shortly after 23h the lower clouds broke away and permitted a view of a brilliant 22° halo, upper tangent arc and circumzenithal arc produced by a heavy shower of ice crystals.

Sound of surf against the barrier and edge of bay ice plainly audible all day (3 miles to N).

February 2, 1930.—Unsettled in the morning; frequent changes of sky with the halo remaining brilliant until 4h. The air was filled with a haze of falling ice crystals.

StCu moved in from W just after 12h followed by a steady thickening of the sky and some light snow after 17h.

February 3, 1930.—Mostly clear until 8:30 when a thin layer of St moved in quickly from WNW, soon covering the entire sky. A light fog also formed at this time but was of brief duration.

A few flakes of snow began to fall just before noon and continued at intervals during the balance of the day.

Temporary clearing of sky at 17:40 leaving only a few patches of StCu (WNW) in the W. St again formed at 18:45 and a little later covered the sky once again.

Rumble of sea against the bay ice again audible.

February 4, 1930.—Another unsettled day with intermittent heavy snow flurries.

Strata of clouds were visible occasionally up through the Ci level with movement of all from WNW and NW.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*—Continued

February 5, 1930.—Heavy shower of ice crystals and halo phenomena at 13:55.

February 7, 1930.—An unseasonably cold and blustery day with fresh S and SW winds until late afternoon.

Drift came on very suddenly at 6:15 and was visible in the SW at 5:30 as a low murky haze.

February 8, 1930.—Blue sky in the N beginning at midnight and spreading higher during early morning.

February 9, 1930.—A beautiful day with only wisps of Ci dotted over the sky.

All meteorological instruments dismantled and crated. Instrument shelter will be left standing to permit abbreviated eye observations until departure.

Pilot balloon ascents discontinued.

February 11, 1930.—*City of New York* hove to in severe SSE gale at 75°10′ S, taking on considerable ice.

Continued clear and cold with sub zero temperatures throughout the day. A heavy bank of fog was visible out at sea during most of the day.

An E wind came up in the evening causing light drift.

February 12, 1930.—*City of New York* still laboring in heavy head sea and SSE gale. Taking on more ice and life lines rigged over ship.

A disagreeable day here with a cold easterly wind blowing up; light drift throughout.

February 13, 1930.—*City of New York* still practically hove to in a heavy head sea and SE gale.

Another disagreeable day with fresh E winds continuing and stirring up light drift until early evening. Drift heavy at times until 8h.

February 14, 1930.—*City of New York* making little or no headway against a head sea and SSE gale. Dead reckoning puts her just 90 miles N of the Barrier but at 179° W.

Another large section of the bay ice went out today on the W side bringing open water right up to the mouth of Floyd Bennett Harbor.

A fine day here with sunlight filtering through a smooth sheet of ASt.

February 15, 1930.—*City of New York* making little headway in a driving SE snowstorm and gale of force 10. She is now about 45 miles N of Barrier reporting a terrific load of ice from stem to stern.

Whaler *C. A. Larsen* turned back north again after finding ice pack too heavy.

Continued overcast with a light driving snow setting in at 15h. Drift set in shortly afterward with increasing E winds.

February 16, 1930.—*City of New York* sighted Ross Island early today and later Mount Erebus, ship having been carried 100 or more miles W of her dead reckoning. At 8h she reports, "gale continues so will proceed E in lee of Barrier."

Feburary 17, 1930.—A fine bright day with clearing at 14h, the temperature falling to well below zero.

Feburary 18, 1930.—*City of New York* arrived at 18:30 and tied up to ice at Floyd Bennett Harbor.

A cold day with temperature about −10° this evening during preparations for embarking. Solid fog over sea but clear "inland" and a biting breeze coming from S and SW.

February 19, 1930.—Took departure from Bay of Whales at 9h.

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