

WEEKLY WEATHER BULLETIN

HONOLULU, FEB. 1, 1909.

GENERAL SUMMARY.

Considerably lower mean temperatures than during the preceding week were reported from the Kohala, Hamakua, Hilo and Puna districts of Hawaii, the Koolau and Hamakualoa districts of Maui, and the Honolulu and the higher levels of the Ewa districts of Oahu; and considerably higher mean temperatures from the Waianae district of Oahu, and the Puna district of Kauai.

The greatest amounts of rainfall were reported from the windward districts of Hawaii, and in these districts, and also in the Hamakualoa of Maui the total amounts were above the weekly average of ten or more years; in all other districts of the section the weekly amounts were below the average.

The amounts, in inches, in the several districts were: Hawaii—Kohala and Hamakua 1.52 to 2.65, Hilo 2.81 to 4.65, Puna 1.93 to 4.22, Kau 0.00, and Kona 0.40 to 0.52; Maui—Koolau and Hamakualoa 1.40 to 2.36, Hana 0.46, Kula 0.00, Wailuku 0.15 to 0.36, and Lahaina 0.03; Oahu—Koolauloa and Koolau 0.15 to 0.48, Honolulu 0.45 to 1.07, Ewa trace at the lower altitudes and 1.13 to 1.92 at the higher, and Waianae 0.00; Kauai—Puna 0.31 to 0.69, and Waimea 0.09 to 0.31; and Molokai 0.31.

The excesses, as compared with the average of ten or more years, in inches, were: Hawaii—Kohala 0.69 to 1.43, Hamakua 0.45 to 2.60, Hilo 0.46 to 2.60, and Puna 0.09, and in the Hamakualoa district of Maui 0.88; the deficiencies were: Hawaii—Kau 0.53 to 1.17, and Kona 0.30; Maui—Wailuku 0.15, and Lahaina 0.91; Oahu—Koolauloa 0.36, Koolau 0.71 to 0.92, Honolulu and Ewa 0.18 to 0.47, and Waianae 0.66; and Kauai—Waimea 0.47.

There was more rainfall than during the preceding week in all districts excepting in the Kau of Hawaii—where rainless and severe drought conditions obtain. In the windward districts of Hawaii, and the Hamakualoa district of Maui the excesses generally ranged from about 2.00 inches to 4.53, while in the remaining districts of the section they were usually less than 0.50 inch.

Unusually strong winds prevailed over the entire section generally throughout the week, and were continuing at the time of closing the report.

The following table shows the weekly averages of temperature and rainfall for the principal islands and for the Group:

	TEMPERATURE.	RAINFALL.
Hawaii	68.5	2.51 inches.
Maui	70.1	0.85 inch.
Oahu	70.7	0.60 inch.
Kauai	70.7	0.35 inch.
Molokai	69.0	0.31 inch.
Entire Group	69.6	1.55 inches.

At the local office of the U. S. Weather Bureau in Honolulu partly cloudy weather generally obtained, with rainfall on four dates totaling 45 inch, 41 less than the weekly normal, and 44 more during the preceding week. The maximum temperature was 75°, minimum 64°, and mean 70.0°, 0.4° below the normal, and 2.2° lower than last week's. The mean daily humidity ranged from 60 to 80, and for the week was 68.3°. Easterly winds prevailed on the 25th and 26th, and north-easterly on the remaining dates and for the week, with the high average hourly velocity of 11.0 miles. The mean daily barometer ranged from 30.05 to 30.16 inches, and the mean for the week, 30.10, was 0.13 inch above normal.

REMARKS BY CORRESPONDENTS.

(Note: The figures following the name of station indicate the date with which the week's report closed.)

ISLAND OF HAWAII.

Puakea Ranch (28)—Rain fell on six dates and totaled 2.65 inches.—A. Mason.

Kohala Hill (28)—Cold, stormy weather obtained, with rainfall on the last six dates amounting to 2.17 inches, 1.43 above the average, and 2.08 inches more than last week's. The mean temperature was 69.2°.—T. H. Lillie.

Kohala Mission (29)—The mean temperature was 66.4°. Rain fell daily and totaled 2.92 inches, 1.89 more than the preceding week, and .91 inch above the average.—Dr. B. D. Bond.

Niuli (28)—Showers occurred on five dates and amounted to 1.62 inches, 1.51 more than last week's, and .69 inch above the average. The mean temperature was 68.8°.—F. C. Paetow.

Kukuihaele (28)—Cooler and showery weather prevailed, with a mean temperature of 69.2°, and 2.01 inches of rainfall, that amount more than during the preceding week.—H. T. Barclay.

Honokaa (27)—The mean temperature was 69.2°. Rain fell on five dates and totaled 2.29 inches, 1.78 more than last week's, and .74 inch above the average.—P. V. Knudsen.

Pauuhau (28)—Rain fell on six dates and amounted to 1.84 inches, 1.80 more than during the preceding week, and .45 inch above the average.—L. Wilson.

Ookala (28)—Heavy rains occurred on the 24th and 28th, totaling 3.73 inches, that amount more than last week's, and 1.63 above the average. The mean temperature was 70.0°.—W. G. Walker.

Laupahoehoe (28)—Stormy weather and heavy seas prevailed, with 4.92 inches of rainfall—occurring mostly at night—that amount more than during the preceding week, and 1.65 above the average.—E. W. Barnard.

Papaaloa (28)—Rain fell on six dates and amounted to 3.19 inches, that amount more than during the preceding week.—C. McEunna.

Honohina (28)—Rain fell on the last six dates and totaled 3.86 inches, 1.38 more than the average.—W. Elliot.

Hakalau (28)—The mean temperature was 69.5°. Rains occurred on four dates and amounted to 3.21 inches, that amount more than last week's, and 1.09 inch above the average.—J. Fraser.

Pepeekeo (28)—Rain fell on the last six dates and totaled 2.81 inches, 2.74 more than last week's, and .46 inch above the average. The mean temperature was 70.7°.—A. Silva.

Papaikou (28)—Rains occurred on the last six dates and amounted to 4.65 inches, 4.62 more than during the preceding week, and 2.69 above the average.—J. T. Moir.

Hilo (28)—The mean temperature was 68.2°. Showers occurred on the last six dates and totaled 2.66 inches, 1.65 above the average, and 3.59 more than last week's.—L. C. Lyman.

Penahawai (28)—Rains occurred on six dates, amounting to 4.41 inches, 4.29 more than during the preceding week. The mean temperature was 66.3°.—J. E. Gamalison.

Kapoho (28)—Strong northeast winds prevailed, with a mean temperature of 69.1°, and rainfall on six dates totaling 1.93 inches, 1.59 more than last week's, and .99 inch above the average.—H. J. Lyman.

Kauea (27)—The mean temperature was 64.2°. Rains occurred daily and amounted to 4.22 inches, 3.92 more than during the preceding week.—L. F. Turner.

Panala (27)—Rainless weather continued, a deficiency of .33 inch for the week. The mean temperature was 69.8°.—Haw. Agric. Co.

Naalehu (27)—High winds and rainless weather obtained, a deficiency of 1.17 inches as compared with the weekly average.—C. H. White.

Kealahou (28)—There was .40 inch of rainfall on the 26th—.38 more than during the preceding week.—H. Wallace.

Kealahou (27)—The mean temperature was 70.8°. Showers occurred on the last two dates and amounted to .52 inch, .39 less than the average, and .45 more than last week's.—Rev. B. H. Davis.

ISLAND OF MAUI.

Huelo (28)—The mean temperature was 69.8°. Rains occurred daily and totaled 2.36 inches.—J. L. Ferreira.

Nahiku (28)—Showers occurred daily and totaled 1.16 inches, 1.23 more than during the preceding week. The mean temperature was 65.4°.—C. O. Jacobs.

Haiku (28)—Very strong trade winds prevailed with much cloudy weather, and daily rainfall amounting to 2.17 inches, 2.09 more than last week's, and .88 inch above the average. The mean temperature was 68.6°.—D. D. Baldwin.

Hana (26)—There was rain on five dates and amounted to .45 inch, that amount more than during the preceding week. The mean temperature was 70.9°.—G. O. Cooper.

Kihikihi (28)—Clear weather and moderate to strong NE. winds obtained, with no rainfall—no change from the preceding week. The mean temperature was 71.6°.—F. H. Haywood.

Kahului (29)—Strong "trades" and cloudy weather obtained, with a mean temperature of 75.3°, and .36 inch of rainfall, .10 less than the average.—J. A. Hattie.

Wailuku (28)—The mean temperature was 71.1°, and there were showers on the last two dates amounting to .15 inch, that amount more than during the preceding week.—Bro. Frank.

Kaanapali (28)—Strong E. to NE. winds prevailed, at times increasing to a gale. Light night showers occurred on two dates amounting to .63 inch, that amount more than last week's, and .94 less than the average. The mean temperature was 70.8°.—W. Robb.

ISLAND OF OAHU.

Kahuku (29)—The mean temperature was 69.4°, and rain fell in light showers on six dates, amounting to .30 inch, .36 less than the average, and .27 more than last week's. High "trades" prevailed.—R. T. Christopherson.

Haouia (29)—Strong southeast winds obtained, with daily showers amounting to .41 inch, .39 more than during the preceding week. The mean temperature was 74.6°.—Mrs. E. W. Hay.

Maunawili Ranch (29)—The mean temperature was 69.6°. Showers occurred daily and totaled .58 inch, .71 less than the average, and .37 more than last week's.—J. Herd.

Waimanalo (29)—Showers occurred on four dates and amounted to .15 inch, .67 more than the previous weeks, and .82 less than the average.—A. Irvine.

Manoa (29)—Rain fell daily and totaled 1.07 inches, .18 less than the

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average and 84 more than during the preceding week.—F. N. Parker.

Waialua (28)—The mean temperature was 66.2°, and the rainfall 1.43 inches, .92 inch more than during the previous week. At the ditch there was 1.92 inches of rainfall, 1.91 more than last week's.—A. Lister.

Ewa (29)—Clear to partly cloudy weather obtained, with traces of rain on two dates, those amounts more than last week's, and .47 inch less than the average. The mean temperature was 70.3°.—R. Muller.

Waianae (29)—Rainless weather continued, a deficiency of .56 inch in weekly rainfall. The mean temperature was 73.3°.—E. Meyer.

ISLAND OF KAUAI.
Kealia (29)—The mean temperature was 70.4°. Showers occurred on four dates and totaled .31 inch, that amount more than during the preceding week.—Makee Sugar Co.

Lihue (29)—Rain fell on the first six dates and amounted to .69 inch, .51 more than the previous week's. The mean temperature was 70.2°.—F. Weber.

Eleele (29)—Cool weather obtained, with showers on three dates amounting to .31 inch, that amount more than during the preceding week.—McBryde Sugar Co.

Makaweli (29)—Generally clear weather obtained, with measurable rainfall on two dates amounting to .99 inch, .47 below the average, and .16 less than last week's. The mean temperature was 71.5°.—Haw. Sugar Co.

ISLAND OF MOLOKAI.
Molokai Ranch (28)—The mean temperature was 69.0°. Showers occurred on five dates and totaled .37 inch.—G. P. Cooke.
W. M. B. STOCKMAN.

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