

NORTH PACIFIC OCEAN, JUNE, 1932

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Atmospheric pressure.—The Aleutian Low filled rapidly during June and became, on the average, only a shallow depression over the western Gulf of Alaska. Lower pressures prevailed over tropical waters near both continents, the depression southeast of Asia being the deepest on the average for the month. (See Table 1.)

The North Pacific HIGH occupied a normal position east of the one hundred and seventieth meridian of east longitude.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure at sea level, North Pacific Ocean, June, 1932, at selected stations

Stations	Average pressure	Departure from normal	Highest	Date	Lowest	Date
	<i>Inches</i>	<i>Inch</i>	<i>Inches</i>		<i>Inches</i>	
Point Barrow.....	30.10	+0.11	30.52	25	29.82	29
Dutch Harbor.....	29.93	+0.03	30.36	4	29.38	11
St. Paul.....	29.95	+0.11	30.34	5	29.34	11
Kodiak.....	29.86	-0.05	30.28	8	29.24	1
Juneau.....	29.98	-0.03	30.27	7	29.44	20
Tatoosh Island.....	30.06	+0.04	30.27	8	29.87	13
San Francisco.....	29.90	-0.06	30.14	1	29.63	3
Mazatlan.....	29.81	-0.09	29.88	30	29.70	26-27
Honolulu.....	30.06	+0.02	30.17	16	29.92	28
Midway Island.....	30.06	+0.01	30.18	16	29.90	2
Guam.....	29.87	0.00	29.96	18	29.76	28
Manila.....	29.78	-0.04	29.88	21	29.68	12-30
Naha.....	29.75	0.00	29.94	1	29.60	11-12
Chichishima.....	29.86	-0.05	30.12	1	29.68	7
Nemuro.....			30.24	9	29.74	25

NOTE.—Data based on 1 daily observation only, except those for Juneau, Tatoosh Island, San Francisco, and Honolulu, which are based on 2 observations. Departures are computed from best available normals related to time of observation.

Cyclones and gales.—No important cyclones occurred during June in northern Pacific waters. Gales were

exceptionally infrequent, and only one was reported from the western half of the ocean. Scattered gales of force 8 to 9 occurred on the 19th, 20th, 23d, and 29th along the eastern half of the northern trans-Pacific steamship route. Fresh gales were experienced off the Oregon and upper California coasts on the 3d, 4th, 16th, and 25th.

Tropical cyclones.—Several lows formed in tropical waters of the Far East, but none appears to have developed storm intensity.

One cyclone occurred in Mexican west coast waters. The vessel reports concerning it indicate progressive movement on three successive days (17th to 19th), but do not indicate its full force. The American steamship *Pennsylvanian* mentioned disturbed weather and a fresh southeast gale south or southwest of the Gulf of Tehuantepec on the 17th. The British motorship *Athelmonarch* at noon of the 18th, in 16° 33' N., 100° 52' W., reported frequent squalls, some of hurricane force, with barometer depressed to 29.52 inches (uncorrected), later dropping 0.04 inch. She proceeded northwestward in east to northeast gales until noon of the 19th, when, south of Manzanillo, wind changes indicated the cyclone was passing her to the westward. The continuation of this storm is reported in a press dispatch dated at Los Angeles, June 21, as follows:

A hurricane that at times attained 130 miles an hour raged 24 hours along the coast of Lower California and Mexico, according to advices received to-day by Mackay Radio from the fishing schooner *Europa*.

Fog.—Fog occurred on 2 to 5 days along the northern sailing routes east of latitude 175° E., and on 3 to 10 days, to the westward. It was reported off the Lower California and California coasts on 8 to 12 days.