

METEOROLOGICAL OBSERVATIONS.

KAVIENG.—Headquarters of Administration District of New Ireland, is situated 2° 34'S by 150° 49'E on North Cape in the straits separating the islands of New Ireland from Lavongai. The country surrounding Kavieng is flat, gradually becoming undulating as the higher country is approached.

The soil is a sandy loam mixed with shells and coral débris on a coral formation.

The average rainfall from 1917-1935 is 118.26 inches.

The rainfall throughout the northern part of New Ireland is regular and the number of days on which rain falls each month show little variation. The wettest period is the north-west monsoon from January to April and the comparatively dry period is from August to November. The south-east monsoon commences in June and gradually diminishes until October.

Even in the driest month, September, the average is not less than 7.31 inches, while the heaviest average fall for any month is some 11.70 inches in April.

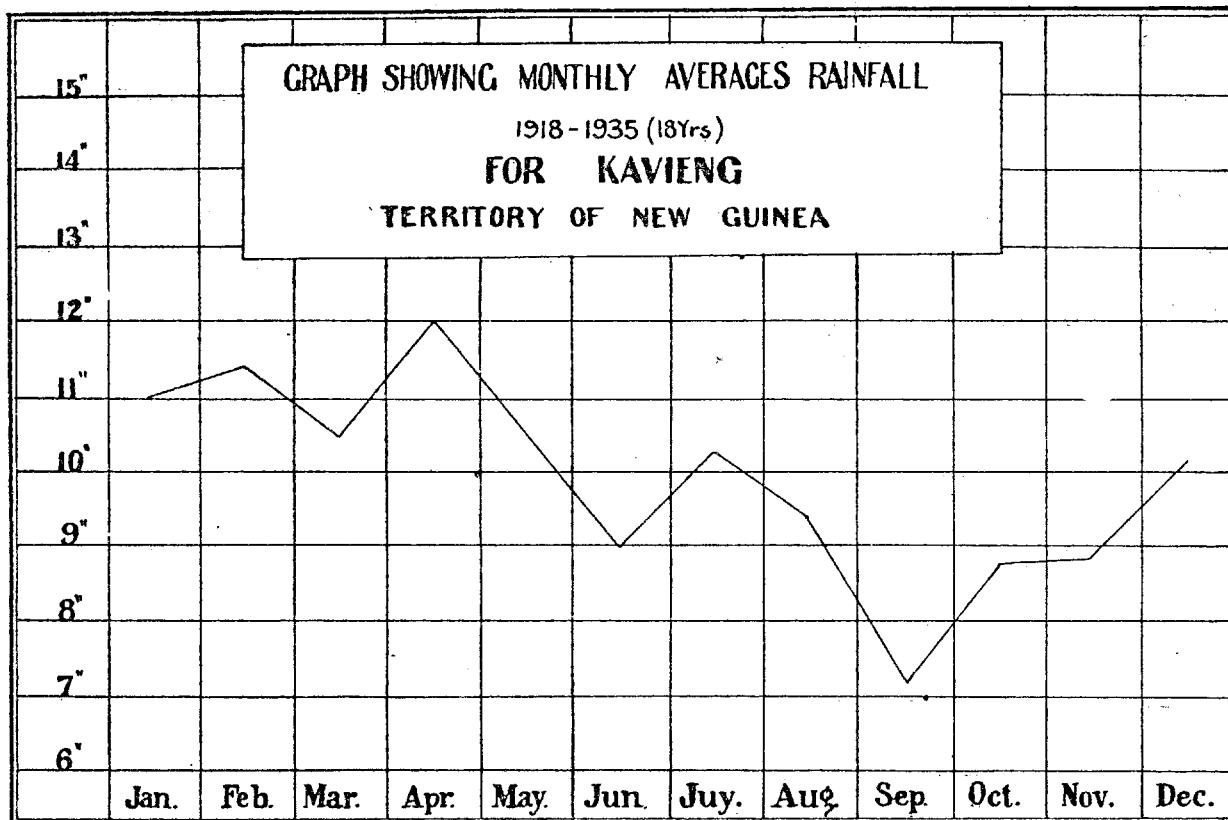
The average temperature and humidity records are very similar to those of Rabaul.

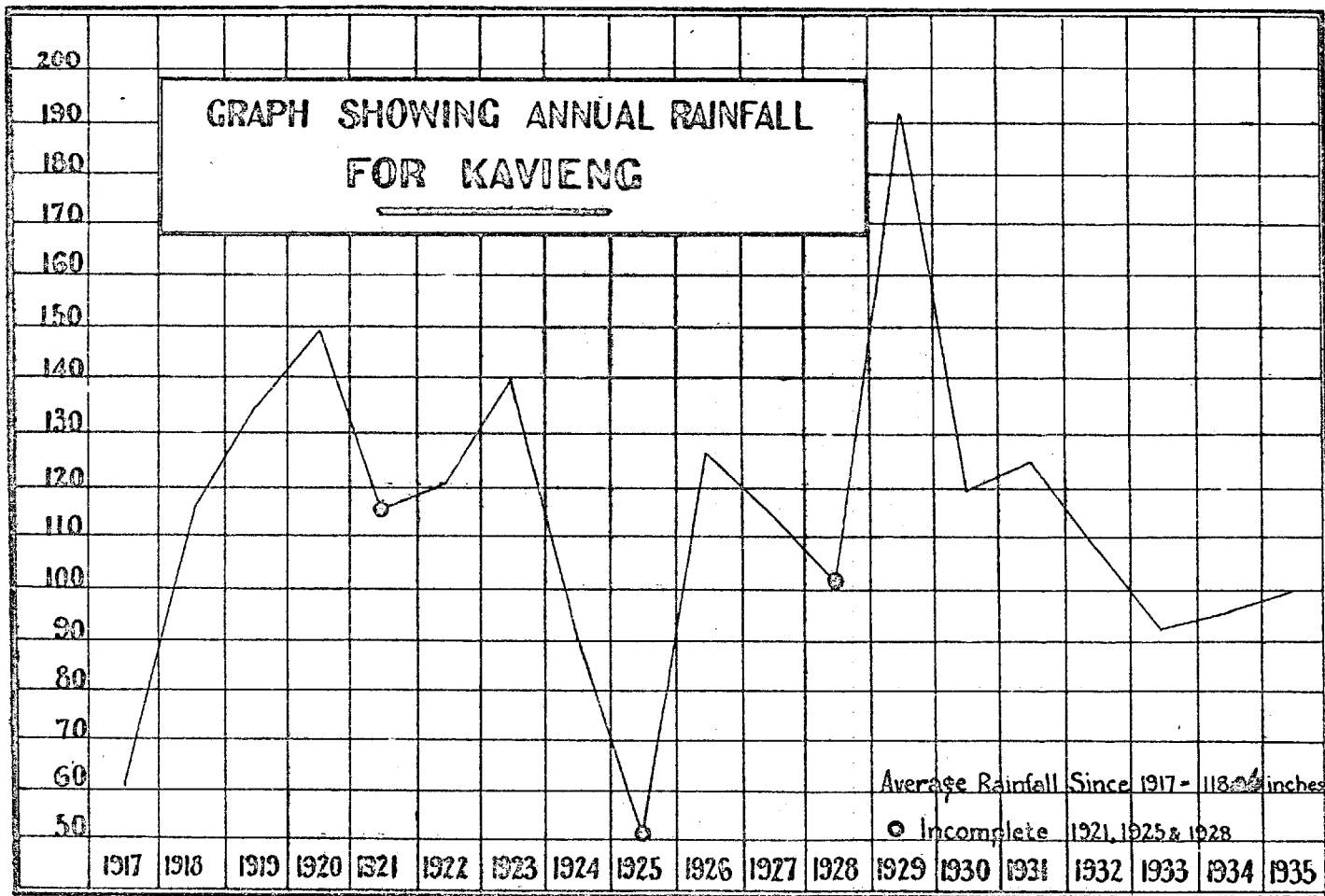
The annual mean humidity records at 9 a.m. readings are: Dry bulb 83.7°, Wet bulb 78.0°; a humidity of 76° while the average annual minimum and maximum temperatures are 72.5° and 89.1° respectively indicating a mean temperature of 80.8°.

MONTHLY AND YEARLY RAINFALL TOTALS AT NEW IRELAND DISTRICT.
(IN POINTS) STATION—KAVIENG.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly Total.
1917	1,406	140	453	524	521	486	361	896	538	87	247	437	6,096
1918	496	928	1,131	1,134	1,338	1,293	1,228	1,052	163	995	891	910	11,559
1919	1,324	1,987	1,332	1,922	1,168	1,603	741	613	882	537	609	748	13,466
1920	1,357	1,370	2,583	1,010	778	834	1,164	1,294	1,811	871	611	1,367	15,050
1921	1,040	467	1,026	2,646	1,245	686	*	*	808	1,139	1,506	1,082	11,645
1922	906	1,643	1,325	923	1,608	477	1,427	760	644	623	556	1,262	12,354
1923	3,007	1,011	748	1,081	649	1,980	1,111	819	695	945	1,072	845	13,963
1924	1,317	2,037	714	431	960	360	412	130	462	643	809	965	9,240
1925	*	*	*	545	847	486	380	*	271	1,005	619	1,020	5,173
1926	1,211	737	2,215	1,000	1,349	1,060	1,188	1,415	544	766	885	384	12,754
1927	1,234	960	548	1,140	658	664	776	1,762	167	718	1,549	1,331	11,513
1928	586	*	*	761	1,213	1,018	707	904	705	2,243	756	1,343	10,326
1929	1,588	1,166	979	2,039	1,270	1,019	1,785	2,457	1,485	1,577	1,365	1,830	19,160
1930	1,274	1,697	1,068	1,213	1,279	814	1,179	897	446	564	279	1,283	11,903
1931	562	1,044	1,133	1,587	1,727	879	928	481	718	809	1,574	1,055	12,497
1932	1,084	1,553	1,172	927	847	668	976	468	843	593	534	1,177	10,842
1933	639	1,590	1,419	1,192	705	704	558	743	244	280	826	368	9,268
1934	278	530	583	803	505	605	1,012	1,090	1,824	643	776	989	9,638
1935	278	587	662	1,341	1,014	446	1,037	488	639	1,593	1,032	845	9,962
Average	10.88	11.44	11.23	11.70	10.36	8.78	9.48	9.52	7.31	8.75	8.68	10.13	118.26

* No records taken during these months.





METEOROLOGICAL RECORDS.

KALILI.

(About 90 miles south-east from Kavieng on the west coast of New Ireland.)

Month.	1935.		Averages for—	
	Rainfall.	Wet Days.	(Twelve years) Rainfall.	(Twelve years) Wet Days.
January	2,789	26	21.28	21.7
February	1,260	10	13.84	18.9
March	2,584	19	16.89	19.2
April	584	11	11.97	16.9
May	2,161	16	11.36	16.5
June	1,238	11	13.19	17.9
July	4,339	19	21.74	21.7
August	1,735	20	14.99	21.9
September	896	14	15.50	17.5
October	2,309	17	17.50	17.2
November	1,770	14	11.41	14.8
December	2,545	14	20.33	16.6

Average annual rainfall for twelve years, 1923-1935—190.00 inches. Rainfall for 1935—242.10 inches.

NAMATANAI (NEW IRELAND, SOUTH).

Month.	1935.		averages for—	
	Rainfall.	Wet Days.	(Eighteen years) Rainfall.	(Twelve years) Wet Days.
January	2,583	23	19.38	19.0
February	1,880	17	17.52	18.4
March	2,650	25	15.66	17.9
April	690	10	14.58	15.0
May	968	14	9.10	12.5
June	141	6	7.80	11.2
July	1,397	17	9.26	12.7
August	514	14	6.31	10.8
September	551	12	5.83	9.9
October	915	15	8.65	10.4
November	2,583	20	10.54	13.6
December	1,970	21	17.14	15.8

Average annual rainfall for eighteen years, 1917-1935—141.77 inches. Rainfall for 1935—168.42 inches.