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Colony of Fiji.



ANNUAL METEOROLOGICAL REPORT

FOR THE YEAR 1939.

BY
G. B. NASMYTH, F.R. MET. SOC.,
HARBOUR MASTER, SUVA.

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1939

METEOROLOGICAL OBSERVATIONS.

SUVA.

OBSERVATIONS are taken at 2000 and 0200 G.M.T., or 8 a.m. and 2 p.m. Standard Time at Suva, Fiji, in Latitude 18 degrees 8 minutes South, Longitude 178 degrees 26 minutes East, Local Standard Time being 12 hours fast of Greenwich Mean Time. Height of cistern of barometer above Mean Sea Level, 12 feet; Site of Rain-gauge, 8 feet; Diameter of Rain-gauge, 8 inches; Height of other instruments above ground:—Rim of Rain-gauge, 1 foot; Thermometers, 4 feet 6 inches; Sunshine Recorder, 3 feet 3 inches; Dine's Pressure Tube Anemometer, 48 feet 6 inches.

The site and the exposure of the instruments are "conventional."

Pressure.—Readings are reduced to 32 degrees F., 45 degrees Latitude and Mean Sea Level. Barograph No. L526 by Messrs. Short & Mason is in use.

Temperatures.—Maximum read and set at 8 h., and entered to the previous day. Hygograph No. H4228 by Messrs. Short & Mason is in use.

Minimum.—Read and set at 8 h., and entered to day of reading.

Maximum in Sun.—Read and set at 8 h., and entered to the previous day.

Grass Minimum.—Set at 16 h., and read at 8 h. the following day, and entered to the day of reading.

Vapour Pressure, Dew Point and Relative Humidity.—Computed from *Hygrometric Tables*, published by the Meteorological Office, London, 1924, (M.O. 265). An ordinary Hygograph and a Hair Hygograph are in use.

Rainfall.—Measured at 8 h. and 14 h. The amount measured at 8 h. is entered to the previous day, and the amount measured at 14 h. is entered to the day of reading. Definition of day with rain = 0.01 in. or more. An Automatic Syphon Rain-gauge is in use.

Day of Clear Sky.—Cloud amount less than two-tenths.

Day of Overcast Sky.—Cloud amount greater than eight-tenths.

Wind.—A Dine's Pressure Tube Anemometer is in use. The method adopted by the Meteorological Office, London, for condensing winds, read to 16 points to 8 points, is in use. A Robinson Cup Anemometer No. 571 is in use.

Sunshine.—A Campbell-Stokes' Sunshine Recorder is in use.

In accordance with a new weather scheme adopted on 1st January, 1935, times of observations were altered from 8.30 a.m. and 3.30 p.m. to 8 a.m. and 2 p.m.

The symbolic form of message used in broadcast weather bulletins is IIICW, DDFww, BBVTT for Island Stations, and PQLLL, IIIGG, DDFww, BBVTT for ships at sea.

Collective weather bulletins are broadcast, in Morse, by Suva Radio as follows:—The morning reports are broadcast at 0005 G.M.T. (Stations V.P.R. 800 meters and V.P.D. 23.95 meters) and the afternoon reports at 0830 G.M.T. (Stations V.P.R. 800 meters and V.P.D. 37.4 meters).

Storm warnings are also broadcast with the weather bulletins from Stations V.P.R. and V.P.D. when necessary.

Weather forecasts are made out daily, excepting Sunday, and are broadcast by Station Z.J.V. (326 meters) at 6.40 p.m.

Storm warnings are also broadcast by this station at 12.05 p.m. and 6.40 p.m. when necessary.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SUVA FOR THE YEAR 1939.

Months.	Mean Pressure in inches. (Reduced to 32° Fahr. 45° Lat. and M.S.L.)		Air Temperature (F°)											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation= 100)		Mean Amount of Cloud. (0-10)	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h	14h	8h	14h	8h	14h.	8h	14h
January	29-723	29-682	78.7	83.1	75.7	77.5	85.6	74.3	79.9	91	2	70	25	74.5	75.0	29.1	29.7	86.9	77.6	8.1	8.1
February	29-785	29-745	80.1	84.3	76.1	77.6	86.9	75.3	81.1	90	5, 6, 7, 9, 11	73	26, 28	74.5	74.5	29.2	29.2	83.3	73.5	6.2	6.9
March	29-782	29-736	77.4	81.5	74.7	76.6	84.3	73.7	79.0	91	28	71	16	73.5	74.4	28.1	29.0	87.8	79.7	7.7	8.3
April	29-874	29-823	76.9	80.9	74.1	75.1	83.1	72.6	77.9	88	1, 7	69	21, 22	72.8	72.4	27.6	27.2	87.5	76.4	7.7	7.9
May	29-936	29-886	75.2	78.8	72.5	73.6	80.4	71.6	76.0	85	9	68	20, 21	71.1	71.0	26.1	26.0	87.6	77.7	8.3	8.6
June	29-997	29-943	72.6	78.0	68.6	70.3	79.6	68.8	74.2	86	21	64	28	66.2	66.0	22.2	21.9	80.9	66.9	5.1	5.9
July	29-958	29-900	71.1	76.8	68.0	70.2	78.4	67.4	72.9	89	7	63	12	66.0	66.5	22.0	22.3	84.6	71.6	5.3	6.6
August	29-907	29-848	73.0	78.2	69.8	71.3	80.0	69.0	74.5	89	12	62	28	68.1	67.4	23.5	23.2	84.7	70.8	6.6	6.4
September	29-999	29-937	73.0	78.0	68.5	70.1	80.0	68.5	74.2	89	24	61	21	65.8	65.4	21.9	21.7	79.0	66.2	6.7	6.7
October	29-953	29-897	76.0	79.6	71.6	72.8	81.8	71.3	76.6	88	12	68	7	69.4	69.3	24.7	24.6	80.5	71.5	7.4	7.5
November	29-903	29-854	76.4	79.8	71.2	72.4	82.1	70.4	76.3	89	25	67	18	68.6	68.6	23.9	24.1	77.1	69.6	7.3	7.3
December	29-850	29-811	77.5	80.8	72.2	73.4	83.0	72.4	77.7	88	11	66	23, 25	69.4	69.6	24.7	25.0	76.8	69.9	7.7	7.6
Year	29-889	29-839	75.7	80.0	71.9	73.4	82.1	71.3	76.7	..	....	..	....	70.0	70.0	25.3	25.3	83.1	72.6	7.0	7.3
Mean ...	8h. and 14h. 29-864		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SUVA FOR THE YEAR 1939.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of								Wind. Number of Observations.																				
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thndr	Strms	Gales.	Clear Sky				Overcast	N		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.		Var.	
										8h	14h	8h	14h		8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	30.71	141.4	4.6	6230.4	8.4	0	6	5	1	0	14	14	5	2	7	6	4	10	2	4	2	5	0	3	1	1	0	0	10	0	0	0	0	
February	5.71	184.6	6.6	4442.4	6.6	0	4	0	3	0	9	10	4	2	2	1	2	7	4	9	2	5	0	0	0	1	0	2	14	1	0	0	0	
March	23.06	90.9	2.9	4028.2	5.4	0	5	1	0	0	17	20	10	6	8	5	1	9	0	4	0	2	0	4	1	0	1	0	10	1	0	0	0	
April	16.98	120.9	4.0	5286.4	7.3	0	5	2	1	0	17	17	5	0	8	8	8	17	2	2	1	0	0	1	0	2	0	0	6	0	0	0	0	
May	22.88	68.8	2.2	5277.6	7.1	0	0	0	0	0	20	20	3	0	9	6	9	15	7	6	0	1	1	2	0	0	0	0	2	1	0	0	0	
June	2.07	156.3	5.2	4634.4	6.4	0	0	0	8	2	9	8	12	2	4	4	3	7	6	11	1	5	0	1	0	0	0	0	4	0	0	0	0	
July	6.53	161.9	5.2	4540.8	6.1	0	0	0	10	2	10	13	15	1	1	2	2	6	4	5	3	11	0	4	0	0	0	1	5	0	1	1	1	
August	6.55	173.4	5.6	5216.0	7.0	0	0	1	3	2	13	12	16	4	5	5	1	7	2	5	0	6	1	4	1	0	2	0	3	0	0	0	0	
September	6.25	161.6	5.4	5360.0	7.4	0	0	0	1	0	12	7	8	0	5	4	4	11	5	9	2	4	1	2	1	0	2	0	2	0	0	0	0	
October	8.63	129.5	4.2	....	...	0	2	0	1	0	14	16	2	0	8	4	6	14	5	10	0	2	2	1	2	0	2	0	4	0	0	0	0	
November	10.82	169.3	5.6	....	...	0	4	0	0	0	11	13	1	0	6	4	12	17	5	8	2	0	0	1	0	0	0	0	3	0	1	0	0	
December	6.96	144.8	4.7	6088.8	8.2	0	1	1	0	0	17	17	2	0	10	8	7	10	4	8	3	3	0	2	1	0	2	0	2	0	0	0	0	
Year ...	147.15	1703.4	4.7	51105.0 (10 mths)	7.0	0	27	10	28	6	163	167	83	17	73	57	59	130	46	81	16	44	5	25	7	4	9	3	65	3	2	1	1	
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

EXTREMES FOR THE YEAR.

Highest Pressure—30.125° at 8 a.m. on June 5th.
 Lowest Pressure—28.811° at 2 p.m. on January 21st.
 Highest Temperature in Shade—91° on January 2nd and March 28th.
 Lowest Temperature in Shade—61° on September 21st.

Greatest Range—21° on July 13th
 Least Range—3° on April 4th, July 27th, August 20th, October 6th, and November 16th
 Most Rain in 24 hours—5.78" on January 19th.
 Maximum wind velocity—73 m.p.h. from N x W at 1020 on January 21st.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
JANUARY, 1939.

JANUARY.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		S.ate of ground.		Sunshine (hours and minutes)					
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.								
		I	I	I and II	II	II	I	II	I	II	I	II	I	II	(42)	(43)	I	II						
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)					
146-4	6-1	op,v	ov	c,opq	opo	oprartld	M	J	9	10	a-cu-lent/cu-nb/st	cu-nb/nb/st	?/N.	S.W.	0-20	4-37	1	1	1-3					
136-8	5-7	o,c,bc	bc	bc,c	bc	bc,ctlp	L	L	6	6	ci/ci-st/a-cu/cu	ci-st/cu/cu-nb	NW/NNE/N.	WNW./NE.	...	0-60	2	1	9-2					
139-2	5-8	c,or,bc	cjp	c,opqbc	cv	c,bc,cf	K	M	8	8	nb/st	a-st/cu-nb	N.E.	WSW./NE.	1-99	0-47	2	2	2-3					
129-6	5-4	c,bcf	bc	bc,c	opo	opp,c,bc,b	L	M	6	9	cu/nb	cu/cu-nb/nb	N.E.	N.E.	Trace	0-23	2	1	6-1					
69-6	2-9	bc,b	bey	bey,c	cv	cv,op,bc,b	M	M	6	8	ci/a-cu/cu/st	ci/cu-nb	-/N.E.	W./N.E.	...	0-22	1	1	7-6					
132-0	5-5	b,bc,c,opp	o	ov	ojpv	o,c,bc	L	M	10	9	a-st/nb	a-st/cu-nb	N.W./-	W./N.W.	Trace	...	1	1	1-1					
105	4-4	cw	cv	c	oiro	otlprq,bc	M	M	8	9	a-cu	a-cu/cu-nb	S.W.	-/S.W.	Trace	0-50	1	1	3-4					
129-6	5-4	bc	bey	bc,c	bey	bey,coir	M	M	4	6	ci/a-cu/cu	cu-nb	-/E.N.E.	E.	...	1-12	1	1	8-6					
117-6	4-9	oirrq	ojp	oirrq,c	cjp	oir,c,bc	H	L	10	7	nb/st	ci/ci-cu/cu-nb	N.E.	W./E.	0-47	3-39	2	2	1-6					
220-8	9-2	c,orr,ir	oir	oid,c	cjp	oir,c	I	J	10	8	nb/st	ci/cu/cu-nb	E.XN.	?/E.	0-01	0-67	2	1	1-5					
218-4	9-1	oirrdqg	oidg	oidg,rr	orr	oir,ir	K	H	10	10	nb/st	nb/st	E.N.E.	E.S.E.	0-72	0-44	2	2	0-0					
112-8	4-7	oidr	oid	oid,p	o	oidr,c	I	L	10	10	nb/st	a-st/cu-nb	E.N.E.	?/N.N.E.	0-04	0-47	2	1	0-1					
124-8	5-2	od	o	c,o	ojp	odr	M	K	9	9	a-st/st	a-cu-lent/cu-nb	?/N.N.E.	N.W./N.E.	...	0-37	2	1	2-6					
110-4	4-6	o,cv	cv	cv,bc	ov	cv,op,b	M	M	8	9	ci-st/cu-nb/st	ci-st/cu-nb/nb	W./N.E.	?/S.S.W.	...	0-40	1	1	5-6					
86-4	3-6	bc,op	c	cv,bc	bey	c,opl	M	M	8	6	ci-st/cu/cu-nb	ci/cu/cu-nb	S.E./S.E.	W.N.W./S.E.	...	Trace	1	1	8-8					
278-4	11-6	bc,c	c	ep,bcz	cz	c,op	L	K	8	7	a-st/cu-nb	ci/cu/cu-nb	?/S.	?/S.E.	0-01	0-27	1	0	7-6					
249-6	10-4	oppq	o	c,op	c	cz,op,bc	L	I	9	8	st-cu	cu/cu-nb	S.	S.S.E.	0-05	0-11	1	1	5-7					
237-6	9-9	cp,bc	cz	c,op,bczq	czq	opq	I	I	8	8	st-cu/st	st-cu/nb	S.E.	S.S.E.	0-07	1-27	1	1	3-8					
549-6	22-9	orql	opq	orrrq	orrrq	orrrq	F	F	10	10	st	st	N.E.	N.E.	2-86	2-92	2	2	0-0					
460-8	19-2	orqtp	ojp	opq,c	opq	oppq,c	G	I	10	9	a-st/st	cu-nb	N.	N.	0-17	0-85	2	2	1-4					
482-4	20-1	oidrq	oidq	oidrq	orrrq	oidrq	J	I	10	10	a-st/nb	nb/st	?/N.	W.	1-05	0-61	2	2	0-1					
669-6	27-9	oq	o	oq,c	cjp	o,qc,bc,b	K	J	10	8	a-st/nb	ci-st/cu-nb	?/W.S.W.	?/S.W.	Trace	Trace	2	1	3-4					
276-0	11-5	bc,cq	c	beyq,c,o	ojpv	c,oqr	K	M	7	9	a-cu/cu-nb	a-cu-lent/nb	W/?	N.W./N.W.	Trace	0-54	1	1	6-7					
124-8	5-2	c,bc,b	bc	c,bc,op	cjp	corr,bc,b	L	I	6	8	a-cu	cu-nb	N.N.E.	N.W.	0-35	1-10	1	1	5-7					
98-4	4-1	b,bc	c	c,o,bcz	bcz	c,opo,b	K	K	8	6	ci-st/st	ci/cu/cu-nb	NW./NNE.	WNW./ENE.	...	0-01	2	1	7-7					
F24-8	5-2	bw	b	b,bc,cor	c	c,bc,op	M	M	1	8	cu	ci/cu/cu-nb	N.E.	N.W./N.E.	0-44	0-05	1	1	5-4					
146-4	6-1	opo,v	ov	cv,bc,oqto	ojpt	or,id	M	K	9	9	ci-st/st-cu/cu-nb	ci-st/cu-nb	?/N./N.	?/W.	Trace	0-10	1	1	4-4					
153-6	6-4	c,bc	c	bc,ct	c	c,oid	M	M	8	7	ci-st/a-cu	a-cu/cu-nb	?/N.N.E.	NW./N.E.	Trace	0-20	1	1	4-4					
76-8	3-2	oid	c	c,opo	ojp	o,c,bc	M	M	9	9	a-cu/nb/st	ci-st/cu-nb	N.E./N.E.	WSW./ENE.	0-06	0-34	1	1	3-4					
146-4	6-1	c,opq	o	c,bc	bc	c,bc,b	L	L	8	6	st-cu/cu-nb	ci-st/cu-cu/nb	?/N.E.	NE./N.E.	...	...	2	1	10-0					
175-2	7-3	bc,c	c	c,bc	bc	bc,cf	L	L	7	5	cu-nb	ci/cu	N.E.	-/E.	...	0-60	1	0	10-0					
6230-4	259-6	....	...	....	...	....	..	..	250	251	...	....	....	....	8-49	22-22	...	...	141					
201-0	8-4	....	...	....	...	....	..	..	8-1	8-1	....	....	....	....	...	...	...	...	4					

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	1	5	15	10	0	3	4	5	0	4	0	1	2	1	0	0	1	0	0	0
2 p.m.	0	8	23	0	1	0	2	4	3	7	2	3	1	4	0	3	0	1	0	0
Total	1	13	38	10	1	3	6	9	3	11	2	4	3	5	0	3	1	1	0	0

Prevailing Direction, E.; 8h., N.E.; 14h., E.; maximum velocity, 73 m.p.h. from N. x W. at 1020 on 21st.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

JANUARY, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	4-3	12-9	17	..	...
2	4-5	15-5	18	..	...
3	4-5	16-0	19	..	...
4	4-5	17-0	20	..	...
5	4-7	14-0	21	..	...
6	4-6	15-1	22	..	...
7	4-6	12-2	23	4-5	13-6
8	4-6	13-3	24	3-7	11-6
9	6-0	12-2	25	3-8	12-9
10	6-6	17-8	26	4-0	13-1
11	6-4	15-5	27	4-6	14-1
12	5-0	12-5	28	4-4	14-5
13	4-4	12-2	29	4-9	12-7
14	3-6	10-3	30	4-5	14-5
15	5-6	14-1	31	4-5	14-5
16	5-4	16-0	..	..	...
Totals	..	...	..	118-2	348-1
Means	..	...	..	4-7	13-9

WEATHER DIARY—JANUARY, 1939.

Date.

1. Light to gentle N.W.'ly winds early and overcast. N.N.E. airs to calm 0610. Showers 0225 to 0310 and 0535 to 0610 and 0535 to 0610. Unusual visibility. Cloudy at times during the morning, wind backed S'ly by 1310, becoming variable and squally force 1/5 to 1620, boxing the compass 1420 to 1520. N.N.E. breeze force 1/2 1745. Overcast and heavy to light showers 1330 to 1425 then very heavy rain to 1700, then moderate rain and drizzle to 2015. Moderate thunderstorm 1450 to about 1545. 2.09" rain fell in one hour, 3 to 4 p.m. Temperature fell 86° to 75° 1300 to 1410. Poor visibility during afternoon.
2. Early morning fine and overcast, becoming half cloudy about 0630. Light N.N.E. wind to calm. Light to gentle N.N.E. breeze 0720, veering N.E. force 3/4 1225, falling to force 1/3 1900. Cloudy late afternoon and night, anvil cloud to West. Solar halo 1300 to 1350. Thunderstorm to West 1920 to 2030. Showers 2050.
3. Early morning cloudy and showery with bright intervals and N.E. to N. airs to Calm. Light E. breeze 0725, becoming variable N.E. to N.W. and squally force 1/3, backing N.E. 3, 1310, gradually falling off 1420. Cloudy to overcast and heavy showers 0900 to 1100, clearing at sunset. Showers 2320 to 2350. Lunar Corona at night. 1.12" rain in one hour, 10 to 11 a.m. Unusual visibility during afternoon.
4. N.N.E. airs to calm early and half cloudy. Showers 0305 to 0600, cloudy to overcast 1230 clearing 1830. Light to heavy showers 1355 to 1415 and 1752 to 1802. Light showers 2140 to 2200. Light to gentle variable E.S.E. to N.N.E. winds, mainly E'ly 0900 to 1812, then backing to N'ly airs to calm. Lunar Corona at night.
5. N'ly airs to calm early, fine and quarter to half cloudy. Unusual visibility. Gentle E. to N.E. breeze 1025, falling off 1644, backing N.N.E., cloudy to overcast after 1330, heavy showers at 1644 and 1838 to 1840, then sky gradually cleared.
6. Clear sky at first, cloudy to overcast and heavy showers 0138 to 0142, light showers 0257 to 0310. N.N.E. airs to calm. Light breeze 0412 backing N.W. and W., calm 0757. Light to gentle W. to S.S.W. winds 0805, falling off 1430, backing E. 1 1635 and to N.E. 1730. Mainly overcast all day with trace of rain 1100 and 1402. Unusual visibility during afternoon, cloudy night, a-cu predominating.
7. Early morning fine, cloudy with a-cu predominating, and N.N.E. airs to calm. Dew and unusual visibility. N.W. airs 0950, backing S'ly 1000, increasing force 2/3 with S.S.W. squall force 4 at 1418 and W.S.W. squall force 5 1620 to 1630 then wind backed N'ly airs to calm. Mainly overcast all day and night, light intermittent rain 1355 to 1403. Moderate to heavy showers and distant thunderstorm 1530 to 1705.
8. N'ly airs to calm early, fine half cloudy and unusual visibility. S'ly airs 0842 increasing force 2 and backing S.E'ly, falling off 1820 backing N'ly 1852. Half to three-quarters cloudy during the day, overcast night. Drizzle 1920 to 1930. Intermittent rain 2125 to 2300.
9. N'ly airs to calm, overcast and light to heavy intermittent rain 0120 to 1825. Moderate E.S.E. squall 0635 to 0645, then backing N.N.E. 2, veering E'ly 0830 squally and variable force 2.5. Cloudy 1100 to 1300, and half to three-quarters cloudy after 1945. Steady E breeze force 3/4 1955. Maximum wind velocity 25 m.p.h. from E. x S. at 1540.
10. Cloudy and gentle to moderate E'ly breeze, freshening 0200, backing N.E'ly 0334, then gradually veering E.S.E., being gusty force 3 4 0400 to 1640, then backing N.N.E. falling off, increasing force 3 4 0810 N.E. to E. Overcast and trace rain 0235. Heavy continuous rain 0320 to 0625, then light to moderate intermittent rain. 1.62" rain fell 4 to 5 a.m. Very thin intermittent drizzle 0810 to 1030. Moderate to fresh E'ly breeze 1020 to 1600 then gentle to moderate breeze. Mainly overcast all day and night but cloudy 1130 to 1240.
11. Light to moderate E. to N.E. winds early with fresh squalls. Gentle to moderate E'ly breeze 0700. Overcast, gloomy and intermittent drizzle. Moderate rain 0920 to 1300 then light rain. Intermittent rain 2130. Variable airs 1148. Light S.W. to S. breeze 1420 to 1620 then calm to light N.E'ly.
12. Overcast all day. Intermittent rain to 0200, then thin intermittent drizzle to 0810. Var. E. to N. winds to calm. Light to gentle E'ly 0700, occasionally backing N.E. Gentle to moderate E. breeze 1440, falling to force 2 1620, backing E.N.E. and to N.N.E. airs 2225. Showers 0935 to 0950. Intermittent rain and drizzle 1510 to 2040. Cloudy 2230.
13. Light N.N.E. winds early and overcast. Drizzle 0020 to 0040, then fine, sky becoming cloudy about 1100. Wind veered N.E'ly force 3 1125 falling off 1600. Overcast 1430. Drizzle and rain 1540 to 2220.
14. Early morning fine, cloudy and N.N.E. airs to calm, backing W'ly 0830. Unusual visibility. Half cloudy to 1320 then overcast. Showers 1650 to 1800, then sky cleared gradually to cloudless 2030. Variable airs 0900 light to gentle S.S.W.

Date.

- breeze 1020, gradually backing S.E. falling off 1340, N.E. airs 1600. Gentle W.N.W. squall falling off 1700 veering N'ly.
15. N'ly airs to calm early fine and clear sky, cloudy later. Gentle S.S.E. to S.E. breeze 0715. Heavy showers 0630 to 0700. Heavy bank of cu-nb cloud to N.W. down to 400 feet. Variable sky during the day, becoming cloudy to overcast at times during the night. Showers 1740. Lightning to W. 2020 to 2100. Unusual visibility. Calm 1835. Light S.E. breeze 1925 gradually veering S. 2140 increasing force 3/4.
16. Early morning fine and half cloudy to cloudy. Gentle to fresh S'ly breeze with momentary veer to W.S.W. force 3 0200 to 0240. Gentle breeze after 0910 backing S.E'ly 1857 veering S.W. to W. 1940 increasing force 4 from S.S.W. 2220. Cloudy to overcast afternoon and night. Shower at 0910 and from 1820. Bright golden ring observed around the sun a few minutes before sunset. Hazy afternoon.
17. Mainly cloudy to overcast all day and night but occasionally half cloudy. Hazy during the afternoon and brownish tinge in sky. Light to heavy showers to 0720. Showers 1215 to 1320 and light scattered showers 1730 to 1800. Gentle S. to S.E. breeze during the day but squally force 3/5 in early morning. Maximum wind velocity 22 m.p.h. from S. x W. at 0500.
18. Variable sky early and hazy. Frequent passing showers of short duration from 0116. Gentle to fresh S.S.E. to S.E. winds. Hazy afternoon. Steady wind from S.S.E. 1015, moderate to strong with squalls of gale force 1708, 2303 and 2342. Overcast afternoon and night with heavier and more frequent showers from 1700. Maximum wind velocity 40 m.p.h. from S.S.E. at 2342.
19. Overcast all day. Frequent showers early and occasional distant lightning. From 0000 wind steadily increased from S.S.E. to S.E. backing E.S.E. 0415 and reaching maximum of 60 m.p.h. at 0510, rapidly falling off 0548 and backing N.E. force 3/5 by 0618, increasing again 0720 and ranging from force 5/8 with squalls force 9 throughout the day. Heavy rain set in 0820, then moderate rain from 1300.
20. Lull 0015 to 0202 N.N.E. 3, then moderate to strong N.E. to N.N.E. winds with occasional squalls up to force 8. Heavy rain 0000 to 0100, then showers. Distant thunder about 0500. Mainly overcast all day with frequent showers but cloudy and a little sunshine 1330 to 1745. Wind gradually backed N. but mainly N. x E. all day. Heavy squall 1925 to 1930 reaching 52 m.p.h. from N.N.W. at 1928. Cloudy at times between 2300 and midnight.
21. Overcast all day and with driving drizzling rain to 2320. Wind steadily increased again from N. x E. to N. from 0110 with heavy squalls ranging from 40 to 60 m.p.h., reaching a maximum of 73 m.p.h. from N. x W. at 1020, gradually moderating 1200 and from 0900, very gradually backing W. by 1840. From 1600 to 1800 wind was force 3/5, then becoming squally W'ly force 4/7 and occasional squalls 47 to 52 m.p.h. Visibility reduced to 200 yards at times during morning but improving considerably during the afternoon.
22. Fine all day but mainly overcast and good visibility, W'ly winds early force 4/7 with maximum of 42 m.p.h. at 0152. Wind backed W.S.W. 0500 force 3/5 then to S.W. x W. squally, ranging from 20 to 27 with squalls 1530 to 1600 reaching 37 m.p.h. at 1540. Gentle breeze 1820, veering West 2020, gradually falling off and sky clearing. Very pretty red sunset.
23. Early morning fine cloudy and N'ly airs to calm, but moderate W.N.W. squall veering N.N.E. 0225 to 0320. Variable sky during the day but mainly cloudy, unusual visibility at times. Showers to N.W. 1320 to 1430. Gentle to moderate S.S.W. breeze 0835 veering S.W., falling to force 1/2 1200, backing S. and to E.S.E. 1300, gradually veering N.N.W. after 1500, with moderate squall 2055, then N'ly airs to calm. Overcast night and moderate to heavy rain 1850 to 2015.
24. Early morning fine, half to quarter cloudy with a-cu predominating. N'ly airs to calm. Cloudy at times during the morning. Cloudy to overcast 1200. Heavy showers 1220 to 1510. Light showers 1720 to 2005, then sky cleared. Light N.N.W. breeze 1010, rapidly backing E. variable force 2/4 gusty 1210, falling off 1525. N'ly airs to calm 2050.
25. Fine early and half to quarter cloudy, becoming cloudy to overcast 0750 clearing 0950 cloudy to overcast again 1510 and light shower 1940 clearing 2030. Low bank of st to S.W. 0800. N'ly airs to calm at first, increasing force 2 1015. Light to gentle E.S.E. breeze 1245 backing N.E. 1500, gradually falling off, veering S.W. 2100. Calm 2320. Slight haze during afternoon.
26. Calm early, cloudless and dew, gradually becoming half cloudy after 0800, cloudy to overcast and heavy showers 1130 to 1200. Variable sky at night. S'ly airs 0900, gradually backing W'ly force 2 with gentle to moderate squalls. Gentle N.N.E. to N.E. breeze 1342, falling off 1920.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
FEBRUARY, 1939.

27. Overcast and light showers to 0130. Variable sky during the day, mainly cloudy. Overcast afternoon and night with light rain 1700 to 1730 then intermittent drizzle to 2245. Unusual visibility. Distant thunder 1330 to 1402. Light variable N.E. winds backing N.N.W. in gentle squall 0700, veering N. 0750. Gentle breeze 1020 becoming squally force 3/5 N. to N.N.W. 1158 backing W'ly 1320 and to S.W'ly force 2/3 1442, veering N.N.E'ly 1650. Maximum wind velocity 25 m.p.h. from N. x W. at 1208.
28. N'ly airs to calm early. Light N.N.E. breeze 0740. Fine and cloudy with a-cu predominating. Variable sky during the morning, overcast afternoon and night. Distant thunder 1335. Intermittent drizzle 1625. Wind veered E x N. 1347 force 3 falling off 1525, backing N'ly 1705.
29. N'ly airs to calm early, overcast and intermittent drizzle to 0100. Light showers 0910 to 0940. Moderate showers 1215 to 1225. Cloudy to overcast all day, but with a few bright intervals. Light to gentle E'ly breeze 1000 falling off 1700 backing N.N.E., but variable N.W. airs 1157 to 1342. Lunar halo 1930.
30. N.E. airs to calm early with gentle squalls 0306 and 0602. Cloudy and heavy showers of short duration 0140 to 0605, then fine with variable sky mainly half cloudy. Light N.E. breeze 0700, increasing force 3/4 veering E'ly 1425 backing N.E. 1800 falling off.
31. Fine and half cloudy all day, but cloudy 0800 and after 2200. Heavy showers 2212 and 2305 N.E. airs at first. Light to gentle E'ly breeze 0320 increasing force 3/4 gradually falling to force 2 after 1700 N.E. airs 2325.

ADDITIONAL NOTES.

A very wet month, rainfall being 18·83" above normal. During the heavy fall on the 1st, 2·09" fell in one hour, 3 to 4 p.m.

Mean pressure at 8 a.m. was 0·062" below normal and mean temperature 0·2° below the normal.

On the 15th, pressure was relatively low in the Fiji-Tonga region. A depression developed between Keppel Island and Vavau on the 16th and 17th, gradually deepening and moving almost due west. Early on the morning of the 19th the centre passed very close to the North of Suva, and continued in a Westerly direction to the West of Viti Levu, when it deepened further, and commenced to move towards the East on the 20th. On the morning of the 21st, the centre again passed close to the South of Suva, moving away fairly quickly to the S.S.E. after midday.

The lowest barometer at Suva occurred at approximately 5·45 a.m. on 19th, the barograph reading then being 28·89", and the maximum wind was 60 m.p.h. at 5.10 a.m. from E.S.E.

On the 21st the lowest barometer, (mercurial) was 28·739" at noon, and the maximum wind 73 m.p.h. from N x W. at 10.20 a.m.

There was little or no damage to buildings, but trees were uprooted and branches and palm leaves broken off, and telephone and power lines were down in several places mainly due to trees falling on them.

Practically the whole of Fiji was affected by this storm, winds of force 8 to 10 being experienced in most places, and damage to roads and bridges, caused by rain and floods was considerable. Several trading vessels were blown ashore.

FEBRUARY.

Wind. Miles gun for previ- ous 24 hours.	Wind. Mean velo- city.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and fraction)
		Before Obser- tion.	At time of Obser- tion.	Between Obser- tion hours.	At time of Obser- tion.	After Obser- tion.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.			
									I	II	I	II	I	II					
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)
189.6	7.9	bc,c,opq	bc	bc	bc	bc	L	L	5	4	st-cu/cu-nb	cu	E./E.	E.	..	0.03	2	1	11.3
168.0	7.0	bc,p	bc	bc,b	b	b	L	L	4	2	cu	cu	E.N.E.	E.S.E.	..	..	1	0	11.8
153.8	6.4	b,bc	bc	bc,b	b	bc,cp,b	K	K	4	2	cu	cu	E.	E.	..	Trace	0	0	10.7
141.6	5.9	b	bv	b,bc,ct	ct	orq,cp,bc,b	M	L	1	8	cu	cu-nb	N.	N.	..	0.81	0	0	8.1
117.6	4.9	bc,b	bv	bv	bv	b,bc,c,rl	M	M	0	2	.....	cu	....	N.W.	..	Trace	1	0	8.0
134.4	5.6	bc,bwv	bv	bv,bc,cq	bcv	bcv,c,b	M	M	1	5	cu	ci/cu-nb	....	NW./NNW.	Trace	..	0	0	11.5
127.2	5.3	bw	b	b,bc	bc	bc,cp,b	L	M	3	4	cu	ci/cu-nb	E.	-/-	..	0.05	0	0	10.9
158.4	6.6	bc	bc	bc,cz	cz	cz,ol,bc	K	K	6	8	ci/cu/cu-nb	ci/cu/cu-nb	W./E.	W./E.	Trace	..	0	0	7.0
153.6	6.4	c	c	bc,c	c	c,o,bc	L	M	7	7	ci/a-st/cu	ci/cu	W./?/N.E.	W./N.E.	..	..	0	0	7.2
129.6	5.4	bc,c	c	c,o,id	oid	oid,c,be	L	J	8	10	ci/cu	a-st/cu/st	W./?	?/s.w.	Trace	0.04	0	0	2.1
105.6	4.4	bc,be	bcv	bc,c	op	ort,cb	M	J	5	9	ci/a-cu/cu	st-cu/cu/nb	W./w./?	?/N.W.	..	0.79	0	0	4.3
96.0	4.0	b,bev	bev	cv,opq	cv	cv,o,bcp,b	M	M	6	7	ci/ci-st/cu	a-cu-lent/cu	W.N.W./?	WNW./NNW	0.07	0.03	1	1	3.8
117.6	4.9	b,bev	cv	cv,op	op	opqtlird	M	L	8	9	a-st/cu-nb	cu-nb/nb	-/-	W.N.W.	0.07	0.18	1	1	4.3
222.4	5.1	oid	ov	oir	oir	oid	M	H	10	10	a-st/nb	nb/st	-/-	N.N.W.	0.46	0.35	1	1	0.1
115.2	4.8	op	o	oidrq	oir	oid	K	K	10	10	a-st/nb/st	a-st/st	-/N	?/N.W.	0.06	0.14	1	1	0.0
158.4	6.6	oid	o	c,opq	ojp	oid	L	J	9	9	a-st/st-ca	st-cu/nb/st	-/s.w.	S.W.	0.13	0.59	1	1	3.2
228.0	9.5	o	ojp	oid	oid	o,c,opq	J	I	10	10	nb/st	nb/st	S.S.E.	S.S.E.	0.12	0.02	1	1	0.7
151.2	6.3	bc,c,o	o	o,c,be	o	o,c	K	K	9	9	a-cu/cu-nb	a-cu/cu-nb	-/S.S.E.	-/S.S.E.	Trace	..	1	0	6.0
151.2	6.3	c	c	o,cp	oid	o,cp,be	L	L	8	9	cu-nb	st-cu	S.S.E.	....	0.01	0.05	0	1	3.2
151.2	6.3	c,op	o	o,c,be	c	cp,be,b,cp	K	K	9	8	a-cu/nb/st	ci/cu/cu-nb	N.W./S.E.	ESE./ESE.	..	0.13	1	0	7.3
230.4	9.6	c,opq	op	op,c,be	o	c,be,op	K	J	9	9	ci-cu/cu/nb/st	st-cu/nb	-/s.	-/S.S.E.	0.05	0.35	1	1	4.8
180.0	7.5	opq,c	c	c,be	c	co,be	L	L	8	7	a-cu/cu-nb	ci-cu/cu/cu-nb	NW./S.E.	-/S.E.	..	0.02	1	1	6.8
213.6	8.9	bc	bc	bc	bc	bc	K	L	4	6	a-cu/cu	cu/cu-nb	S.E./S.E.	S.S.E.	..	0.78	0	0	10.4
175.2	7.3	c,opq	op	opq,c,be,b	cjp	o,c,be	J	K	9	8	cu-nb	cu/cu-nb	E.	E.S.E.	0.10	0.01	1	1	5.2
187.2	7.8	bc,p,b	bc	bc,cp	c	op,c	K	K	4	8	cu/cu-nb	cu-nb	E.	E.	0.03	0.16	1	0	8.0
182.4	7.6	cp,o	bc	bc,b	b	b,be,c	K	K	5	3	cu-nb	cu	E.	E.	..	0.04	1	0	10.1
235.2	9.8	bc,c,op	o	op,c,be	bc	bc,op,c,b	J	K	9	6	st/cu	a-cu/cu/cu-nb	N.E.	-/E.S.E.	0.01	0.02	1	0	5.6
168.0	7.0	b	b	b,bc	bcy	bc,c,op	L	K	2	5	cu	ci/fr-cu/cu	....	-/W.N.W.	..	0.01	0	0	11.4
442.4	185.1	....	...	....	...	....	..	..	173	194	.....	.....	.....	.....	1.11	4.60	..	..	184.4
158.7	6.6	....	...	....	..	....	..	..	6.2	6.9	.....	.....	.....	.....	..	..	0	0	6.0

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	1	13	14	1	3	1	1	0	2	0	4	1	1	0	0	0	0	0	0
2 p.m.	0	12	15	1	2	1	0	1	1	4	5	5	3	3	0	0	1	0	0	1
Total	0	13	28	15	3	4	1	2	1	6	5	9	4	4	0	0	1	0	0	1

Prevailing Direction, S.E.; 8h., S.E.; 14h., E.S.E. and S.E.; Maximum velocity, 30 m.p.h. from S.S.W. at 1314 on 16th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

FEBRUARY, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	4.6	13.6	15	3.7	12.5
2	4.2	14.5	16	3.8	10.3
3	5.1	14.0	17	3.9	10.1
4	4.6	15.4	18	3.8	13.0
5	4.7	14.6	19	4.6	13.6
6	3.1	10.5	20	4.4	12.7
7	3.4	14.5	21	4.3	12.9
8	4.0	11.3	22	5.2	17.2
9	3.7	12.2	23	4.6	12.5
10	2.6	9.1	24	6.7	14.5
11	3.2	11.0	25	4.9	14.5
12	3.6	13.3	26	4.9	13.4
13	3.5	13.6	27	5.1	13.7
14	3.3	17.7	28	4.7	13.1
Totals	..	...	..	118.2	369.3
Means	..	...	..	4.2	13.2

WEATHER DIARY—FEBRUARY, 1939.

Date.

1. Light variable winds to calm early and variable sky. Heavy showers 0230 and 0520 to 0635, then fine and half to quarter cloudy. Moderate E.x.S. squall 0530 to 0600. Gentle to moderate E.S.E. to E. breeze 0900, gradually falling off 1700 backing N.E. 1915. Lunar Corona occasionally at night.
2. N.E. to E.x.S. winds force 1/2 early and half to quarter cloudy all day. Shower at 0208 and 0440 to 0500. Gentle breeze 0810 veering E.S.E. falling off 1720 backing E. to N. 2150.
3. Fine and half to quarter cloudy early, and N'ly airs to calm. Variable sky at night and trace of rain 2325. Gentle to moderate E.S.E. breeze 1000, falling off 1520 gradually backing N'ly.
4. N'ly airs to calm early, fine and clear sky and unusual visibility. Threatening to N.W. 1250. Distant thunder 1330 to 1410. Heavy rain 1445 to 1530, then sky cleared gradually, but cloudy and showery 1935 to 1940. Gorgeous sunset; Ci-cu lent clouds at times. Light S'ly breeze 1018, backing S.E'ly force 2 3 1135, veering W'ly in fresh squall 1450 to 1505, then variable winds to calm. Maximum wind velocity 23 m.p.h. from N.W. at 1500.
5. N'ly airs to calm early fine and cloudless sky. Light S'ly breeze 1015, gradually backing N.E. force 4, falling off 1600. Moderate W.S.W. squall 1658 to 1735. N'ly airs to calm 1900. Cloudy to overcast and thunderstorm 1510 to 1740, then sky cleared. Gorgeous sunset. Unusual visibility during the day.
6. N'ly airs to calm early, cloudless, dew on grass and unusual visibility, light S'ly breeze 1000, gradually backing N.E., moderate N.N.E. squall 1258 to 1312. N'ly airs 1335. Gentle to moderate E'ly breeze 1404, falling off 1700, backing N'ly 1830. Variable sky during the day and threatening at times to W.N.W. Clear sky at night.
7. N'ly airs to calm early, cloudless and dew. Light N.E.x.E. breeze 0812 increasing force 3/4, veering E.x.S., occasionally backing N.E., falling off 1740, backing N'ly. Quarter to half cloudy all day, but cloudy and showery 1530 to 1540 and 2330 to 2340.
8. Fine and half cloudy early and variable to calm, mainly N'ly, veering E'ly 0806, increasing force 3/4 gradually falling off after 1600. N.E. airs to calm 2200. Cloudy to overcast and hazy afternoon, becoming half cloudy about 2115. Trace rain 1228. Lightning 2100 to 2110.
9. Fine and half cloudy early and N.E'ly airs to calm. Half cloudy during the day, cloudy to overcast afternoon and night becoming half cloudy about 2030. Ci clouds predominating. Gentle N.E. breeze 0850 veering E. 1240 falling off 1650 backing N'ly.
10. N.E. to N'ly airs to calm early and cloudy with ci predominating, gradually becoming overcast with a-st, clearing about 2030. Light to gentle S.W. to W.S.W. breeze 1112, becoming variable 1448. N'ly airs to calm 1730. Thin intermittent drizzle 1250 to 1600.
11. N'ly airs to calm early, fine clear sky and unusual visibility, gradually becoming cloudy to overcast. Light showers 1350, increasing to moderate rain 1410 to 1530. Distant thunder 1435, sky cleared about 2130. S'ly airs 1015, becoming variable 1200 force 2/3. Wind boxed the compass (veering) 1210 to 1600, then N'ly airs to calm.
12. N'ly airs to calm early, fine half to quarter cloudy and unusual visibility, gradually becoming cloudy to overcast. Showers 1050 to 1150 and at 2018 and 2325. Mainly clear sky after 2130. Variable winds force 1/3 from 0530, N.N.W. to W.S.W. with moderate squall 1042. Light S'ly breeze 1442, gradually backing N'ly 1730, falling off.
13. Early morning fine and part cloudy. N'ly airs to calm and unusual visibility, becoming cloudy about 0730 and overcast 1130. Moderate to light showers 1335 to 1410. Intermittent rain and drizzle 1520 to 1830. Light variable winds all day N.E. to W.S.W. with fresh W.x.S. squall 1502. Distant thunderstorm 1500 to 1620.
14. Light variable N. to W. winds early. Calm 0650. Unusual visibility up to about 0930, overcast all day. Intermittent drizzle 0430 to 0630 and 1440 to 2030, N'ly airs 0810. Light E.N.E. to N.N.E. winds 1040, N'ly airs 1800. Intermittent rain 1000 to 1440.

Date.

15. Variable N'ly winds early and overcast all day. Light N.E. breeze 0500, backing N'ly 0758. Light to moderate showers 0150 to 0820. Intermittent drizzle and light rain from 1125. Light to gentle N.N.W. to N.W. wind 0810 with moderate squalls, veering to N'ly airs after 1800.
16. Intermittent drizzle to 0140. Overcast early with a-st predominating. Calm at first. Light N'ly winds 0200, falling off 0625. Cloudy during the morning and gentle to strong S.W. breeze gradually backing S.E. by 1920, then falling off. Variable airs 1900 backing N'ly 2210. Overcast and moderate to heavy showers 1330 to 1630, then light showers to 2330. Maximum wind velocity 30 m.p.h. from S.S.W. at 1314.
17. Mainly overcast all day, N.E. to N'ly airs to calm early. Light to gentle E.S.E. to S.S.E. breeze 1150 with moderate squall 1758. Light breeze 2000. Intermittent drizzle 0920 to 1105. Drizzle 1355 to 1405. Shower 1748 to 1800.
18. Fine and half cloudy early, becoming overcast about 0530. Variable sky during the day mainly cloudy. Light shower 1200. Light S.E. breeze at first, backing to N'ly airs to calm 0500. Light S.W. to S. winds 0850 increasing force 2/4 1200, backing S.E'ly 1600 gradually falling off.
19. S.E. wind for 1/2 early, veering S'ly 0600. Mainly fine and cloudy all day, variable sky at night. Light showers 1210 and 2022. Drizzle 1350 to 1405. Pale yellow sunset. Light variable winds during the day mainly S.W. to S.E. Calm at times. Gentle to moderate E.S.E. 1220 to 1345.
20. Light to gentle S.E'ly wind early, cloudy to overcast and showers 0120 to 0730. Gentle to moderate breeze 0725, becoming light to gentle 1700. Variable sky during the day, mainly half cloudy. Light showers 1515 and 2340 to 2355.
21. Early morning cloudy to overcast and light to moderate, squally S.S.E. to E.S.E. winds. Showers 0305 to 0810, 1218 to 1225 and heavy showers of short duration 1850 to 2335. Variable sky all day, mainly cloudy and gentle to moderate winds between S. and E., mainly S.S.E. Fresh squall 1220.
22. Overcast early and variable winds to calm. Light to heavy showers 0310 to 0550. Gentle S.E'ly breeze 0615, increasing to gentle to moderate breeze. Light breeze 2250. Variable sky all day, mainly cloudy. Light showers at 1410 and 1910.
23. Fine and half cloudy all day. Light S.E'ly breeze early, increasing force 3 at 0700, backing E.N.E. in moderate squall 1910. Light to gentle E. breeze 1940.
24. Light E. breeze at first, cloudy to overcast 0055 and light to heavy showers to 1100. Variable winds E.S.E. to N.N.E. and occasional gentle to moderate squalls. Gentle to fresh E.S.E. breeze 0900 and variable sky, gradually falling to force 2/3 after 1420. Clear sky at night.
25. Fine and half cloudy to quarter cloudy and light to gentle E.S.E. to E. breeze, increasing to force 4/5 after 0745, falling off 1940 backing N.E. N'ly airs 2300. Light showers 0535, 1040 to 1105 and 2010 to 2240. Variable sky during the day, mainly cloudy. Overcast night. Maximum wind velocity 29 m.p.h. from E.S.E. at 1456. Rainbow 0750.
26. Early morning cloudy to overcast and light variable winds to calm, becoming half to quarter cloudy during the day. Light N.E. breeze 0805 veering E'ly 0900 force 3 falling off 2300 backing E.N.E.
27. Variable airs to calm early and cloudy to overcast. Light showers 0535 to 0730, 0955 and 2120 to 2150. Light to gentle E.S.E. to S.S.E. breeze 0538, becoming moderate E.S.E. 1000 gradually falling off 1700, backing N'ly. Moderate E.N.E. squall 2122. Sky very gradually cleared during the day. Pretty sunset.
28. N'ly airs to calm early with light E. to N.E. 0210 to 0420. Fine and cloudless. Quarter to half cloudy during the day, cloudy night. Light showers 2310 to 2340. Gentle E.S.E. to E. breeze 0810, gradually falling off 1700, backing N'ly 2030, boxing compass (veering) from 2300.

ADDITIONAL NOTES.

A fine and rather pleasant summer month, though rather hot during the first two weeks. Rain fell on most days from 11th to 28th, but was confined mostly to showers of short duration. Pressure and temperatures were fairly even, mean pressure at 8 a.m. being 0.009" below normal, and mean temperature 0.6" above normal. Rain was deficient by 5.49".

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
MARCH, 1939.

MARCH.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and minutes)		
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.					
									I	II	I	II	I	II						I	II
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)		
148.8	6.2	bc,c	bc	bc	bc	bc,c,ob	L	K	5	6	st-cu	ci/cu	E.	NW/NW.	..	..	0	0	10-0		
148.8	6.2	bc,b	b	b,bc	bey	c,o,bc	L	L	2	6	a-st	ci/a-cu/cu-nb	....	W/W/NE.	..	Trace	0	0	7-4		
144.0	6.0	c,o	o	oid	o	o	L	K	9	9	nb/st	a-st/nb/st	N.E.	?/E.XN.	0-13	..	0	1	0-3		
112.8	4.7	o	o	o	o	o	L	L	9	9	a-st/cu-nb	cu	....	E.N.E.	..	Trace	0	0	0-7		
170.4	7.1	o	o	o,c,bcv	bcv	bcv,b	L	M	9	5	st-cu/st	ci/cu	-/N.E.	-/E.S.E.	..	..	0	0	8-3		
98.4	4.1	b	bc	c,o,bc	bv	bv,bc	L	M	6	2	ci/cu/nb	cu	?/E.S.E.	E.S.E.	..	..	0	0	9-2		
120.0	5.0	b,bc,c	cv	bc,ppq	opq	ppq,QL	M	L	8	9	cu/cu-nb	cu-nb/st	E.N.E.	E.N.E.	0-10	1-92	0	0	4-7		
132.0	5.5	ppp,c	c	c,opp	op	ppp	M	G	8	9	ci-st/cu-nb/st	ci-st/nb/st	W./N.E.	?/E.	0-07	0-72	2	2	1-6		
175.2	7.3	od	o	o	od	od,idr	L	K	10	10	a-st	a-st/st	....	-/N.E.	Trace	0-60	1	1	0-0		
122.4	5.1	oid	oid	oid	oid	oidr	L	M	10	10	a-st/st	a-st/nb/st	?/N.E.	?/N.E.	0-01	0-65	1	1	0-0		
141.6	5.9	oid	oid	oid	oid	oidr	M	J	10	10	a-st/st	a-st/st	NNW./NE.	?/N.E.	0-02	0-61	1	1	0-0		
141.6	5.9	oir	or	oid	oid	oid,P	H	M	10	10	a-st/st	a-st/st	....	-/N.	0-07	0-35	2	1	0-0		
65.8	2.7	op	ojp	oid	o	oidr	K	L	10	10	a-st/nb/st	a-st/cu-nb	....	?/NNW.	0-01	0-55	2	1	0-0		
134.4	5.6	od,rr	orr	oidr	oid	oidr	H	K	10	10	nb	a-st/st	....	?/N.	0-12	0-74	2	2	0-0		
132.0	5.5	oidr	ojp	opv	o	orq	K	M	10	10	a-st/nb	a-st/st	-/N.W.	NW/NNW.	0-04	4-30	2	1	0-0		
225.6	9.4	ORRQL	ORR	ORRQV	ORRQV	ORRQV	E	J	10	9	st	a-st/cu-nb/st	N.E.	WSW./WSW.	0-96	0-09	2	2	0-0		
247.2	10.3	c	c	c,oirrq	or	oirrq,c,bc	L	I	8	10	ci-st/st-cu	a-st/st	N./-	?/S.W.	0-57	0-31	2	2	0-8		
115.2	4.8	bc,c,o	o	OP	OP	or,ir	L	I	10	10	st	st	S.	S.S.W.	0-33	0-61	2	2	0-0		
79.2	3.3	od	o	odrrr	or	ORRR	J	H	10	10	nb	st	E.N.E.	....	0-47	3-84	2	2	0-0		
124.8	5.2	oir	o	o,c	op	o	K	I	10	10	a-st/nb/st	a-st/cu-nb/nb	?/E.XN.	?/E.	Trace	0-01	2	2	0-2		
144.0	6.0	od	od	odrr	odr	od,c,bc	K	J	10	10	a-st/st	a-st/st	?/E.N.E.	....	0-84	0-01	2	2	0-0		
132.0	5.5	c,o	o	oid	oid	oidq,c,bc	L	M	9	9	a-st/cu/st	a-cu/st	....	?/N.N.E.	0-01	0-01	2	1	0-1		
136.8	5.7	c,o	c	bc,c,orqtl	ctlp	otlpqc	M	I	7	8	a-cu/cu-nb	a-cu/cu-nb/st	WNW./NNW.	WSW/SW.	0-40	0-21	1	2	4-2		
129.6	5.4	cp	c	o,c,bc	c	cp,ord	K	K	8	7	a-cu/st-cu/nb	a-cu/cu-nb	WSW/WSW.	S.W./S.W.	..	0-29	2	1	3-5		
120.0	5.0	od,id,c	o	o,c	c	c,o	L	M	9	8	ci/a-cu/nb/st	a-st/nb	WSW/SW/E.	?/E.	..	Trace	1	1	0-8		
96.0	4.0	o,c,bc	bc	bc,c,o	ojp	opd	K	J	5	9	st-cu/cu	st-cu/nb/st	S.W.	E.	..	0-57	1	0	2-8		
120.0	5.0	cp,bc	bc	bc,c	cjpv	c,otlrqird,b	M	M	4	7	ci/a-st/st-cu	ci-st/ci-cu/acu/cu	....	-/N.	..	1-41	2	1	6-2		
50.4	2.1	c,bc,b	bv	bv,bc	bvjp	c,ol,bc	M	M	3	6	ci/a-st	ci/cu/cu-nb	....	SE/NNW.	..	Trace	2	1	7-0		
105.6	4.4	bc,bw	bv	bv,corrtl	or	op,c,bc	M	H	3	9	ci/cu	cu-nb/nb/st	NW./-	N.W.	0-99	0-04	1	2	5-1		
117.6	4.9	b	bc	bc	bcv	bcp	L	M	4	6	ci-st/st-cu	ci-st/cu/cu-nb	....	SW/SSE.	..	0-02	1	1	9-3		
96.0	4.0	bc,bw	bv	bv,bc	bv	bv,bc,cp	M	M	3	3	ci-st/cu	ci/cu/cu-nb	NE./NE.	NW./SE.	..	0-06	1	1	9-1		
4028.2	167.8	....	...	....	...	....	..	..	239	256	....	....	....	....	5-14	17-92	..	..	90-4		
129.9	5.4	....	...	....	...	....	..	..	7.7	8.3	....	....	....	....	..	..	..	..	2-8		

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	2	19	10	1	7	5	5	1	0	0	0	0	0	0	0	0	1	0	1
2 p.m.	0	5	25	1	1	5	0	3	5	5	3	1	2	0	2	3	0	0	0	0
Total	0	7	44	11	2	12	5	8	6	5	3	1	2	0	2	3	0	1	0	1

Prevailing Direction, N.; 8h., N.; 14h., N, E.N.E. and E. Maximum wind velocity, 46 m.p.h. from N.N.E. on 16th at 7h 10m.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

MARCH, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	4.0	12.2	17	4.6	13.2
2	..	...	18	4.3	13.0
3	..	...	19	4.5	11.6
4	..	...	20	..	...
5	4.6	12.9	21	4.3	14.1
6	3.4	11.3	22	4.2	15.0
7	4.6	17.2	23	3.0	9.9
8	5.1	16.6	24	3.6	9.9
9	..	...	25	4.4	10.5
10	5.4	11.6	26	3.5	12.5
11	5.5	15.0	27	3.7	11.0
12	..	...	28	3.7	12.0
13	5.3	16.0	29	3.8	11.0
14	4.7	15.0	30	3.5	9.1
15	4.9	13.0	31	3.3	9.1
16	..	...	..	..	...
Totals	..	...	..	101.9	302.7
Means	..	...	..	4.2	12.6

WEATHER DIARY—MARCH, 1939.

Date.

1. Early morning fine, half to threequarters cloudy, and gentle S.W. breeze veering N'yly 0100, then variable airs to calm. Half cloudy all day and night except early evening when sky was cloudy to overcast. Light E.S.E. to E. breeze 0905, increasing force 3/4 1215, falling off 1700, gradually backing N'yly.
2. N'yly airs to calm early and clear to part cloudy sky, gradually becoming cloudy to overcast 1500. Very slight scattered showers (trace) about 1630. Light N.N.E. to N.E. winds 0810 increasing force 3/4 veering E'yly 1115, backing N.N.E. force 1/2 1635.
3. N.N.E. to E.N.E. winds force 1/2 early, increasing force 2/3 0945, falling off 1520. Cloudy to overcast all day and night. Intermittent drizzle 0945 to 1340.
4. N'yly airs to calm early. Light variable E. to N.N.E. during the day, increasing force 2/3, after 1420 E. to E.N.E., falling off 1800 backing N'yly. Cloudy to overcast all day but fine. Trace rain 2150.
5. Overcast and calm early N.E'yly airs 0720, veering E.S.E. force 2/3 0915, and sky clearing to half to quarter cloudy, falling off 1800, backing N'yly 1950. Unusual visibility during the afternoon.
6. N'yly airs early and cloudless, becoming cloudy 0810. Variable sky during the day and unusual visibility; clear afternoon and night, W'yly airs 0950, backing S.S.W. 1040 increasing force 2/3, backing S.S.E. 1340, gradually backing N.E. after 1600, falling off.
7. N.E. to N. airs to calm early, fine, variable sky mainly cloudy and unusual visibility. Light E'yly breeze 0810 increasing force 3/5 squally, occasionally backing N.E. falling off 1915, becoming variable E.xS. to N.N.E. Light to heavy showers from 1212, and rather severe thunderstorm 2000 to 2045 with very heavy showers. Maximum wind velocity 27 m.p.h. from E.xS. at 1906.
8. Light to heavy showers to 0430, then fine and cloudy with very good visibility. N.E. to N. winds force 1/2 early veering E'yly 1042 force 2/4 squally, falling off 1350, backing W'yly airs to calm. N.E. airs after 1850 with moderate squall 1940 to 2010. Overcast and light to heavy showers 1305 to 2330.
9. Variable winds early, mainly N.E. to N.N.E. force 1/2. Overcast and very thin drizzle 0330 to 0530. Drizzle 1355 to 1430, then thin intermittent drizzle, increasing to moderate rain 2050 to 2400. Moderate N.E'yly breeze 1140, falling to force 2 1300. Moderate to fresh squall 2105 to 2120, then gentle N.N.E. breeze.
10. Overcast all day and intermittent drizzle to 1410, then intermittent drizzle and rain to 2240. Light N. to N.N.W. winds early veering N.E'yly airs to calm 0348. Light to gentle N.E. to E.N.E. breeze 1100, backing N.N.E. force 4 1830 to 1900, then light to gentle winds.
11. Overcast all day and night. Thin intermittent drizzle 0310 to 1610, then intermittent drizzle and rain to 2010. N.N.E. winds force 1/2 early becoming variable E to N.E. 1455.
12. Intermittent drizzle and rain from 0400 to about 1600. Overcast all day. N'yly airs to calm early. Moderate N.W. breeze 0748. Variable N.N.E. to N.N.W. winds force 1/3 during the day, calm 2230. Heavy showers 2148 to 2230.
13. Overcast all day and night. Heavy showers 0430 to 0450. Very thin intermittent drizzle during the morning. Drizzle and rain 1440 to 1800. Light to gentle N.E. to N. winds, backing N.N.W. in moderate squall 1440 to 1450. Calm 1548. Light to gentle N.E. to N. winds from 1720.
14. Overcast all day with light to gentle N.E. to N.W. wind, mainly N.xE. Drizzle 0200 to 0430. Moderate rain 0545 to 0805, then intermittent drizzle and rain.
15. Overcast early and light to gentle N.N.E. winds. Intermittent drizzle and rain to 0640. Mainly fine but overcast during the day and unusual visibility at times. Showers 0950 to 1000. Moderate to heavy rain 2015. Wind backed N to N.N.W. 1000, increasing force 4 1230, falling to force 1/3 1430, very gradually veering to E.N.E. 2100, backing N.N.W. 2225, squally force 2/5. Maximum wind velocity 29 m.p.h. from N.xW. at 2232.
16. Densely overcast early with heavy rain to 0910 and very poor visibility. Squally N.E'yly wind force 3/5, increasing 0620 to force 6/8, falling to force 5 0730, gradually backing N.N.W., falling off 1040 becoming variable, conditions at this time improving considerably. Unusual visibility at times. Wind backed S.xE. force 2 1303 rapidly increasing force 5/7 from S.W. 1325, falling to force 3 1800, veering W'yly, and to force 2 2000. Showers 1615 to 1850, then variable sky. Maximum wind velocity 46 miles per hour from N.N.E. at 0710.
17. Early morning fine and cloudy and W. to N. airs to calm, becoming overcast 1100. Moderate to heavy intermittent rain 1110 to 1910, then three-quarters to half cloudy. Light to moderate squally winds between S.S.W. and W.S.W. 0955 to 1900 then falling off calm 2000.

Date.

18. Early morning fine and half to threequarters cloudy and calm, becoming overcast about 0730. Heavy showers 1320 to 1830, then light intermittent rain to 2200. Light variable S. to S.E. winds 1000 to 1330 then calm. Light variable winds 1700.
19. Overcast all day. Drizzle 0300 to 0400 and 1040, increasing to heavy rain and poor visibility 1300 to 1800, then light rain to 2020 and 2230 to 2235. N.N.E. airs to calm at first; gentle to moderate gusty E. to E.N.E. wind 0930, falling off 1900 backing N.N.E. (1/73 of rain fell in one hour 3 to 4 p.m.)
20. Variable N.N.E. airs early. Gentle to moderate E'yly breeze 0900, gradually falling off 1400, backing N.E. Mainly overcast all day but cloudy 1230 to 1330. Thin drizzle 1350 to 1410.
21. Overcast all day. Variable N.E. airs early. Light to gentle N.E'yly breeze from 0580. Drizzle 0715 to 0910. Drizzle and rain 1012 to 1410 with fairly heavy rain 1215 to 1315. Very thin occasional drizzle to about 1800. Moderate N.E.xN. breeze 1215, falling off to force 2 from E.N.E. 1320, gradually backing N.N.E. Variable sky at night.
22. Overcast all day, becoming three-quarters to half cloudy about 1930. Light to gentle N.N.E. breeze early, falling to N'yly airs 0700. Variable N.N.E. to N.N.W. winds force 2/3 during the day from 0810, with moderate squall 1430 to 1440, falling off 1800. Very thin intermittent drizzle 0700 to 1930. Excellent visibility during the afternoon.
23. Early morning fine and cloudy to overcast and excellent visibility, becoming half cloudy 0820. N.N.E. wind force 1/2 backing N.N.W. 0756 and to S.S.W. 0930. Squally winds force 2/6 varying between W.N.W. to S.S.E. but mainly S.W. 1215 to 2100 then light W. breeze. Cloudy to overcast after 1100. Heavy to light showers 1320 to 2050 and moderate thunderstorm 1330 to 1430. Maximum wind velocity 36 m.p.h. from S.W.xS. 1320.
24. Light showers 0215 then fine, cloudy and calm. Variable sky during the morning, cloudy to overcast afternoon and night. Light S.W. breeze 1015 increasing force 3/4 backing S.S.W., veering W.N.W. 1550, backing S.W. 1645, falling off 1900, gradually veering N.N.E. Showers 1645 to 1655. Rain 2120 to 2210 then drizzle.
25. Cloudy to overcast all day and night N'yly airs to calm early. Drizzle to 0030, then thin intermittent drizzle to 0530. Mares' tails 0800. Light variable E.S.E. breeze 1044, gradually backing E. after 1600, falling off.
26. N.N.E. airs to calm early, fine and half cloudy, soon becoming cloudy to overcast. Light N.E. breeze 0840, gradually increasing force 3 with moderate gusts 1200 to 1500, then falling off, backing N.E. 1740. Moderate showers 1730 to 1920 and drizzle 2220 to 2230.
27. N'yly airs to calm early and cloudy, shower 0140, then fine and half cloudy, becoming cloudy 1300. Light S.S.W. breeze 1108 increasing force 3 from S.E. 1200 with fresh squall veering W.S.W. and backing S.E'yly 1455 to 1510, then falling off becoming variable to calm. Overcast and moderate thunderstorm 1445 to 1800. Heavy rain 1455 to 1515 (1.16") then intermittent rain and drizzle to 1220, then sky cleared. Unusual visibility at times during the day but reduced to 150 yds during the heavy rain.
28. Early morning fine, clear sky and unusual visibility. Light N.N.E. breeze 0710, increasing force 3/4 1100 N. to N.N.W., backing S.W'yly 1645, gradually falling off. Half cloudy during the morning, becoming cloudy to overcast afternoon and evening with threatening appearance. Trace rain 1540. Lightning 1930 to 2130.
29. W'yly airs to calm early, fine clear sky, dew, and unusual visibility. Light N.N.W. breeze 0900, becoming variable 1100 force 1/3. Gentle to moderate W.S.W. breeze 1615, falling off 1800 veering N'yly 2048. Overcast and heavy to moderate rain 1255 to 1400 and distant thunder 1340. Light showers 1430 to 1515, then fine and cloudy. Rainbow 1610. Lunar halo 1930 to 2030.
30. Early morning fine, clear sky and N'yly airs to calm, becoming half cloudy 0730. Light S.S.W. breeze 1032 backing S.E'yly 1230, falling off 1700 backing N'yly. Unusual visibility during the day. Showers 1925 to 1940. Lunar halo 2030.
31. Dew early, N'yly airs to calm, fine, clear sky and unusual visibility. Half cloudy during the day, variable sky at night. Showers 2210 to 2315. Light to gentle E.S.E. breeze 1000 falling off 1500 backing N.N.E. 2020, veering S. and backing N.N.E. in gentle gust 2320 to 2330.

ADDITIONAL NOTES.

A very wet but comparatively cool month, rainfall being 8.20" above normal, and mean temperature 1.2° below.

The first week was fine, thereafter the weather was almost continually overcast with frequent rain, heavy falls occurring on 15th to 16th and on 19th. Conditions, however, improved somewhat from 24th onwards.

On 16th a cyclonic disturbance passed over the western portion of Viti Levu moving S.E.

Mean pressure at 8 a.m. was 0.041" below normal.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
APRIL, 1939.

APRIL.

Wind. Miles rup for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).						Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and tenths).	D.								
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.				Amount (0-10).	Form.	Direction whence coming.																	
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)										
132-0	5-5	c,be	c	bc,c	c	bc,c,ptlq	L	L	7	7	ci-st/cu-nb	a-st/cu	-/N.E.	-/E.	..	0-21	0	1	8-2										
208-8	8-7	cpl	otlp	c,be	c	bc,c,otlp	L	L	10	7	st/nb	ci-st/cu-nb	E.	-/E.	..	1-12	0	0	6-3										
158-4	6-6	copq	o	opq,c	o	opq	K	J	9	9	ci-st/a-cu/cu-nb	ci-st/a-cu/cu-nb	NE/NE/NE.	NE/NE/NE.	0-39	0-60	2	2	2-4										
223-2	9-3	orqp	op	orqp	op	op,irdq	H	I	10	10	a-st/cu-nb/st	a-st/cu-nb/st	?/E.N.E.	?/E.N.E.	0-66	1-15	2	1	0-3										
319-2	13-3	oidr,rrq	orr	oidr,rdq	oidr	oidr	F	H	10	10	st	a-st/st	N.XE.	N.XE.	0-35	2-96	2	2	0-0										
338-4	14-1	oidr	oidr	oidr	oidr	oidr	F	J	10	9	a-st/st	a-st/cu-nb/st	?/N.XE.	?/N.XE.	0-36	0-20	2	2	0-2										
364-8	15-2	oq	o	o,c	o	o,c,be	L	L	10	9	ci-st/st	st-cu/cu-nb	-/W.	W.	..	..	2	1	3-5										
160-8	6-7	bc,b	b	b,be,c,o	oid	oidr	L	H	3	9	st-cu	st-cu	....	S.W.	..	0-67	1	1	5-3										
117-6	4-9	oidr	oid	oid,be,cp	cp	c,op,be	H	J	9	8	cu-nb/st	a-cu/cu-nb	W.S.W.	W./W.	0-08	0-36	1	1	5-8										
165-6	6-9	c,be	bc	bc,c,o	c	oidr	L	M	6	8	ci-st/tr-cu/cu	a-cu/cu-nb	-/S.E.	W.N.W./S.E	..	0-42	1	1	4-7										
201-6	8-4	o	o	o	o	oidr	L	L	9	10	cu-nb/st	a-st/cu-nb/st	S.E.	?/S.E.XE.	0-01	1-16	2	1	0-2										
194-4	8-1	oidr	o	oidr	oid	oidr	I	H	10	10	nb/st	a-st/nb/st	E.	?/E.	0-28	0-37	2	2	0-0										
168-0	7-0	oidr,od	od	oidr	oidr	oidr	G	F	10	10	st	st	E.	E.N.E.	0-26	0-74	2	2	0-0										
201-6	8-4	oq,c	o	o	o	oidr	I	H	10	10	st-cu/nb/st	cu-nb/st	E.	E.	0-10	0-26	2	2	0-0										
204-8	8-5	c,op,ir	oir	oidr	oid	oidr	I	H	10	10	nb	nb	E.	E.	0-31	1-18	2	2	0-0										
180-0	7-5	oid	o	oid	oid	oidr	I	I	9	10	ci-cu/nb	ci-cu/nb	-/E.	E.	0-01	0-67	2	2	0-3										
146-4	6-1	op,c,be	o	op,c,be	op	op	J	K	9	9	cu-nb/st	cu-nb/st	E.S.E.	E.X.S.	0-03	0-14	2	1	4-8										
184-8	7-7	op	o	op,be	c	c,be,p	L	L	9	8	a-st/cu-nb/st	a-cu/cu-nb	?/E.S.E.	-/E.	Trace	0-01	1	1	3-8										
156-0	6-5	cp,be	c	bc,c,o	o	op,c,be	K	J	8	9	a-cu/cu-nb	a-st/cu-nb/st	N.W./E.	?/E.	Trace	0-03	1	1	0-9										
204-8	8-5	bc,c,o	o	bc,b	b	bc,c,bw	M	M	9	3	st-cu/cu	ci/cu	E.	-/E.	..	Trace	1	1	8-0										
153-6	6-4	bc,e	c	c,b,be	bc	bc,bw	L	M	8	5	st-cu	ci/st-cu	N	WNW/NNW.	..	..	1	0	8-8										
129-6	5-4	b,be	bc	bc,c,b	bc	bc,bw	K	L	5	6	ci/cu	ci/cu	ESE/NE.	SE/NE.	..	..	0	0	8-7										
124-8	5-2	b,be,c	c	c,be	bc	bc,b	L	M	7	4	ci/a-cu/cu	ci-st/cu	-/NE.	SE/NE.	..	0-24	0	0	9-7										
120-0	5-0	orq,be	bc	bc,c	c	op,be	L	M	6	7	ci/cu/st	ci/ci-st/a-cu/cu	S.E./N.	SE/NW/NE.	..	Trace	1	0	6-7										
98-4	4-1	b,c,o	o	op,be,ortlq	orr	op,be,ortlq	L	K	9	9	a-cu/st-cu/nb	a-st/nb/st	-/E	?/N.E.	0-59	0-19	0	2	1-8										
120-0	5-0	op,be,b	b	bc,c,b	b	bc,be	K	M	0	2	..	cu	..	E.	..	0-02	1	1	9-3										
124-8	5-2	bc,c	bc	bc,b,op	bc	c,o,be,bw	L	M	4	6	cu	cu/cu-nb	E.	E.	Trace	..	1	0	7-7										
127-2	5-3	b,be	bc	bc,be	bc	c,o,bel	L	M	4	4	st-cu	cu	E.	N.E.	..	0-23	0	0	8-6										
141-6	5-9	orq,be	cz	c,op	o	op,be,cl	J	J	7	10	ci-st/cu/st	cu-nb	-/N.	N.	0-03	0-05	1	1	3-2										
175-2	4-8	c,be,b	b	bc,op,qtq	o	op,be	L	J	3	10	ci-cu/cu	a-st/cu-nb	N./N.	N.	0-26	0-28	1	1	1-7										
5286-4	220-2	....	....	....	....	....	..	..	230	238	....	....	....	....	3-72	13-26	..	..	120-9	To									
176-2	7-3	....	....	....	....	....	..	..	7-7	7-9	....	....	....	....	..	..	..	..	4-0	Me									

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	4	20	6	0	4	3	5	2	7	1	1	0	1	0	0	0	0	0	0
2 p.m.	0	13	17	0	0	0	1	6	2	15	2	1	0	0	0	1	1	1	0	0
Total	0	17	37	6	0	4	4	11	4	22	3	2	0	1	0	1	1	1	0	0

Prevailing Direction, E.; 8h., E.; 14h., E.; Maximum velocity, 50 m.p.h. from N.N.W. at 0223 on 7th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

APRIL, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	3-5	10-8	16	5-6	12-9
2	3-7	11-1	17	..	..
3	5-5	13-3	18	..	..
4	6-9	16-0	19	..	..
5	..	..	20	5-4	14-1
6	..	..	21	4-0	12-5
7	4-6	13-0	22	..	..
8	4-8	12-9	23	..	..
9	5-5	13-3	24	3-3	10-8
10	3-7	11-3	25	3-4	11-6
11	3-8	12-2	26	3-5	11-9
12	3-8	13-6	27	4-1	14-1
13	4-1	16-0	28	3-9	14-5
14	4-1	14-2	29	4-3	15-0
15	..	..	30	4-5	14-7
Totals	..	..	..	96-0	289-8
Means	..	..	..	4-4	13-2

WEATHER DIARY—APRIL, 1939.

Date.

1. N.N.E. airs to calm early with light E.S.E. 0200 to 0300. Half to threequarters cloudy. Rainbow 0905. Cloudy to overcast and light showers from 1930. Thunderstorm 2130 to about 2330. Gentle to moderate E.S.E. to E. breeze 0920, becoming variable and squally 1810 to 2020, then falling off backing N'ly.
2. Cloudy early and light showers to 0810 and distant thunderstorm 0700 to 0810, then variable sky. Variable E. to N.E. airs early with fresh squall from E.N.E. 0215 to 0250. Gentle E.S.E. breeze 0720, increasing force 4/5, backing E.N.E. and N.N.E'ly 1712 in squall reaching 34 m.p.h. at 2215, then falling off to force 1/2. Distant thunderstorm 1304 to 1600 with lightning to about 2300 and rather severe thunder 2200 to about 2300. N.E.xN. squall 2200 to 2203 37 m.p.h. Heavy showers 1713 to 1723, then light showers to 2345.
3. Cloudy to overcast all day. Light variable N.E. wind at first becoming squally gentle to fresh E. to N.N.E. with same strong to high squalls, falling off 2230. Heavy showers with poor visibility 0128 to 0140, 0335 to 0340 and 0945 to 1145. Moderate to heavy showers 1800 to 2220. Maximum wind velocity 32 m.p.h. from N.E. at 1022.
4. Overcast all day and poor visibility most of the time. Heavy showers and squall 0700 to 0720, then light showers to 1615, then intermittent drizzle and rain N.E. airs at first increasing force 3/4 N.E. to E.N.E. with some strong squalls. Maximum wind velocity 37 m.p.h. from E.N.E. at 0710.
5. Overcast all day and night with moderate to fresh N.E'ly winds, increasing 1000 with frequent gusts and squalls force 6/7. Intermittent drizzle and rain to 0640, then moderate rain to 0830, then intermittent rain and drizzle increasing to heavy rain 2248 to 2400. Very poor visibility during the day and frequent low scud from N.E. Maximum wind velocity 33 m.p.h. from N.E. at 1041.
6. Overcast early with light to heavy intermittent rain and drizzle to 1940. Squally N.E. to N.N.E. wind, gentle to moderate gales with a few squalls, force 9 and wind veered gradually to N.xW. Sky overcast all day, but with signs of clearing 1400, clouds then being mainly a-st, frequent low scud from N. to N.N.W. during the day. Maximum wind velocity 49 m.p.h. from N.xW. at 2158.
7. N. to N.W. gales at first, falling to force 6 after 0400, rapidly falling to force 2 4 0710, backing W'ly 1200, and to S.W.xW. 1525. Fresh squall 1612 to 1615. Calm 2020. Fine and mainly cloudy to overcast all day. but clearing towards evening. Maximum wind velocity 50 m.p.h. from N.N.W. at 0223. Pretty sunset.
8. Early morning fine and clear sky and variable airs to calm. Light to moderate S.S.W'ly breeze 1010 becoming variable W.N.W. to S.S.E. after 1640 sky gradually covered after 1230. Intermittent drizzle and rain 1340.
9. Variable airs to calm early and overcast with intermittent drizzle and rain to 0900. Gentle to moderate S'ly squall 0532 to 0600. Light S'ly breeze 0758 veering S.S.W. Beautiful rainbow 0800 to 0825. Wind increased force 3 from S'ly 1200 backing W. in fresh squall 1315 to 1330, then backing W.S.W. falling off. Light S.W. breeze 1410 very gradually backing N'ly. Cloudy to overcast and showers 1315 to 2210, then fine and mainly half cloudy.
10. N'ly airs to calm early, fine and half cloudy. Variable sky during the day becoming overcast during the afternoon. Intermittent drizzle and rain 1930 to 2400. Light to gentle variable E.S.E. breeze 1000 to 1940, then light N'ly.
11. Light N. to N.E. wind at first, gentle to moderate S.E'ly breeze 0215, backing E.N.E. 0630. Overcast all day and gentle to moderate E.S.E. to E.N.E. breeze with some fresh gusts. Thin drizzle 0950 to 1015. Intermittent drizzle and rain from 1450.
12. Overcast all day with intermittent rain and drizzle to 1800, poor visibility at times. Gentle to moderate E'ly winds with some fresh gusts, gradually backing N.N.E. force 2/3 after 1400. Light breeze 2140.
13. Overcast all day N.N.E. winds force 1/2 early. Drizzle 0035 to 0100. Thick continuous drizzle 0400 to 0900, then intermittent drizzle and rain to 2030. Poor visibility. Wind veered S.E'ly 0800, backing E.S.E. to E.N.E. 0810, increasing force 4/6, moderating 1200, with lulls at 1530 and 1912 to 1940, wind falling off 2230, backing N'ly. Maximum wind velocity 30 m.p.h. from E.xS. at 0940.
14. Light E.xN. breeze 0012, backing N'ly 0120, falling off. Moderate E.xS. squall 0510. Gentle to moderate E'ly breeze 0635 and cloudy to overcast, wind backing N.N.E. occasionally, falling off 1948. Intermittent drizzle 0930 to 1800, then sky gradually cleared to half cloudy. Moderate N.E. squall 2258 to 2310 and heavy rain showers.
15. N'ly airs to calm early cloudy to overcast and light showers at 0000, 0110 and 0340. Light intermittent rain and drizzle 0630 to 1410 and 1845, increasing to heavy rain 2150. Gentle to fresh E.S.E. to E.N.E. breeze 0900 falling off 1700 becoming variable force 1/3. Maximum wind velocity 27 m.p.h. from E.S.E. at 1244.

Date.

16. Mainly overcast all day but with slight clearings between 0900 and 1200. Variable N'ly airs at first. Gentle E. breeze 0355 increasing force 3/5 gusty 1200, moderating 1600. Wind varying between S.E. and N.E. after 0810 but mainly E.S.E. Thin drizzle 1140 increasing to moderate intermittent rain 1440 to 2015, then intermittent drizzle to 2200. Maximum wind velocity 27 m.p.h. from E.S.E. at 1244.
17. Gentle E.S.E. to E. breeze all day, occasionally backing E.N.E. and moderate gusts 0915 to 1840. Rainbow 0750 to 0835. Cloudy to overcast early generally, but with bright intervals. Shower 0105 to 0110, 0550 to 0630, 0930 and 1400 to 1740. Thick drizzle 1830 to 1930.
18. Light to gentle E'ly breeze all day with moderate gusts 1103 to 1620, backing N.E'ly 2050. Mainly fine with variable sky. Light showers at 0630, 0950 and 2320.
19. Light N.E. breeze early, fine and half cloudy becoming cloudy 0740 and wind increasing force 3 veering E'ly 0810 with moderate gusts to 2300 then light E.N.E. Variable sky during the day but mainly overcast. Light showers at 0155 and 0625. Moderate showers 1505 to 1510 and 1725 to 1730.
20. Light to gentle E.N.E. breeze early, fine and half cloudy, becoming cloudy to overcast 0630, clearing 0940. Variable sky at night, but mainly clear. Dew 1930. Gentle to moderate E'ly breeze during the day gradually falling off after 1600 backing N'ly 2000.
21. N.N.E. wind force 1/2 early and half cloudy becoming cloudy about 0630. Half to quarter cloudy after 0830. Dew at night. Light to gentle E'ly breeze 0900 falling off 1600 backing N'ly.
22. N'ly airs early, fine and half cloudy. Variable sky during the day, but mainly half cloudy. Clear sky at night and heavy dew. Light N.N.E. breeze 0920 gradually increasing force 3/4 veering E. 1135, falling off 1600 backing N'ly.
23. Fine and half cloudy early, becoming cloudy 0700 ci clouds predominating. Half cloudy during the day, clear sky at night. Gentle to moderate N.E'ly breeze 0900 falling off 1700.
24. Light variable N'ly winds to calm early. Fresh squall 0000 to 0015 and heavy shower, then fine and half cloudy, Cirrus predominating, gradually becoming cloudy to overcast late afternoon. Distant thunder and showers to W. 1610 to 1620, lightning continuing to about 2015, then sky cleared. Light N.E. breeze 0940 veering E.S.E. 1110 force 3, then gradually backing N.E. veering E. 1405, backing N.E. 1700 falling off. Pretty sunset. Solar halo 1350.
25. N'ly airs to calm early, fine and clear, gradually becoming overcast. Shower 0820. Rainbow 0850. Light to moderate rain 1000 to 1410, then light showers to 2400, half cloudy at times and heavy showers 1615 to 1630 and 2250 to 2300. Distant thunderstorm 1310, continuing intermittently to about 2230. Pretty sunset. Variable squally wind all day, force 0/3 mainly N.E., moderate W.N.W. squall 1440 to 1500. Gentle to fresh E.S.E. squalls 2310 to 2350.
26. Gentle to moderate E'ly breeze 0100, backing N.E. 0210, falling off. Calm and cloudless 0600. Mainly clear sky all day but cloudy at times, showers at 2120. Gentle E'ly breeze 0900 with moderate gusts, falling off 1700, backing N'ly. Gentle E.xN. breeze 2148 to 2248. Very pretty pale yellow sunset.
27. Fine and cloudy early becoming half cloudy 0700. Light variable E. to N.N.E. winds. Variable sky during the day, clear at night. Light to gentle E'ly wind 0750, backing and veering N.N.E. 1200 to 1310, falling off 2020. Trace of rain 1220 to 1230. Dew at night.
28. N.E.xN. airs to calm early, fine and quarter to half cloudy. Scattered showers to N.W. during the morning, variable sky at night. Lightning 1950 to about 2200. Lunar Corona 2120. Wind gradually increased 3/4 falling to force 2 1800.
29. Moderate N.N.E. squall 0022 to 0118 and heavy showers, then N.E. airs to calm and slight haze. Mainly cloudy to overcast all day, but with bright intervals. Light showers 0935 to 1440 and 1950 to 2115. Lightning at night and half cloudy at times. Gentle to moderate E'ly breeze 0950, backing N.E. 1415 gradually falling off 1435.
30. Light N.N.E. to N.E. winds force 1/2 early, fine and clear sky becoming cloudy to overcast after 0840. Moderate to heavy showers 0855 to 1810. Distant thunder 1250 to 1320. Light to fresh squally E.N.E. to N.N.E. winds during the day veering E'ly 1525, backing N.E.xN. 1925 force 2.

ADDITIONAL NOTES.

A rather wet though comparatively cool month, rainfall being 4.71" above the average and mean temperature 0.9° below normal.

Mean pressure at 8 a.m. was 0.012" below normal.

Frequent rains with cloudy to overcast conditions continued until the 17th, when conditions improved considerably.

On 3rd, a cyclone developed to the N.E. of Rotuma and travelled S.W., passing close to the South of Rotuma at 1 a.m. on 4th. It recurved to the N.W. of Fiji on 5th, and then moved South-eastwards, passing West of Fiji on 6th, and West of Tonga on 7th and 8th. At Rotuma the lowest barometer was 29.210" at 1 a.m. on 4th, with maximum wind force 9, whilst at Suva the lowest barometer (barograph) was 29.26" at 2.20 a.m. on 7th.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
MAY, 1939.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and tenths).	Da				
		Before Obser- tion.	At time of Obser- tion.	Between Obser- tion hours.	At time of Obser- tion.	After Obser- tion.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.								
									I	II	I	II	I	II			I	II						
		I	I	I and II	II	II																		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)		(39)		(40)	(41)	(42)	(43)	44	45	(46)			
127-2	5-2	o,c,bc	bc	bc,c,o	c	c,bw	K	L	6	8	ci/cu		ci-st/a-st/cu		W./E.N.E.	W./W./E.	..	..	1	1	6-0			
122-4	5-1	b	b	b,bc,c,o	o	o,c,bc	M	L	3	10	ci-st/a-cu/cu		a-st/cu		W./W./E.	?/E.	..	..	1	0	4-2			
105-6	4-4	c,o	o	c,o	o	od,id	L	L	9	9	a-st		a-st/cu		W.N.W.	N.W./S.	..	0-07	0	0	1-2			
115-2	4-8	oid	oid	oid	oid	oidr,d	K	I	10	10	a-s/st		a-st/st		?/N.	?/N.N.W.	0-07	0-60	1	1	0-0			
86-4	3-6	od,c,bc	c	oid,c	c	c,o	M	M	7	8	a-cu-lent/cu/st		a-st/cu-nb		WNW/ENE	?/NNW.	Trace	0-48	1	1	4-2			
103-2	4-3	op,d,c,bc	bc	bc,c,odr	o	od	L	L	5	10	ci-st/a-st/cu		a-st/cu-nb		?/N.N.W.	-/W.	0-30	0-32	2	2	1-5			
127-2	5-3	oidr,c	o	bc,c,oid	o	oid,rr	M	M	9	10	st-cu		st/cu		W.	?	Trace	1-77	2	2	2-8			
55-2	2-3	orrd	o	o,c	ojp	odrr	I	L	10	10	a-st		st/nb		N.W.	N.W.	..	1-99	2	1	1-0			
108-0	4-5	o	o	o,c	c	op	M	M	9	8	ci-st/a-cu		st-cu		?/N.W.	N.W.	..	0-14	2	1	2-1			
163-2	6-8	o	o	o,c	o	od	M	M	9	9	st-cu		st-cu		E.S.E.	E.S.E.	Trace	0-01	2	1	0-6			
132-0	5-5	o,c,bc	bc	cp,bc	bc	bc	L	L	6	5	st-cu		cu-nb		N.E.	N.E.	0-01	0-02	1	1	8-2			
206-4	8-6	bc,cp	bc	bc,cp	bc	c,op	K	K	6	6	ci-st/st-cu/nb		a-st/cu-nb		E.	E.	Trace	0-27	1	1	5-2			
187-2	7-8	c,op	ojp	c,o	ojp	orq	K	K	9	10	st/nb		st/nb		E.S.E.	E.S.E.	Trace	0-67	2	1	1-0			
192-0	8-0	o	o	op	o	odr	L	L	9	9	a-cu/st		a-cu/nb		N.W./E.	-/E.	0-04	1-80	2	2	0-3			
172-8	7-2	oid,rr	orr	orrrq	or	oidr	C	F	10	10	nb		st		?	S.E.	1-93	0-32	2	2	0-0			
273-6	11-4	oidr,rr	orr	orrrq	ojp	op,idr	F	J	9	8	st		a-cu/cu/nb		E.S.E.	?/E.	0-20	0-39	2	2	2-0			
237-6	9-9	oidr	o	o	o	op	K	K	9	10	st-cu/cu-nb		st-cu/nb		E.	?/E.	Trace	0-12	2	1	0-0			
206-4	8-6	op	op	op,c,idq	oid	oidq	J	H	9	10	a-st/cu-nb		st		?/E.	E.	0-05	1-24	1	1	0-2			
304-8	12-7	orrrqdd	odd	oidq	ojpq	oidrrq	I	H	10	10	nb/st		a-st/nb/st		E.N.N.	?/E.	0-02	4-08	2	2	0-0			
206-4	8-6	orrrq	orr	orr,ddl	orr	or	F	G	10	10	nb/st		nb/st		E.S.E.	E.S.E.	1-46	1-70	2	2	0-0			
223-2	9-3	orrrqp	o	oir,c	o	op,c	K	I	9	9	nb/st		nb/st		E.S.E.	E.	0-54	0-32	2	2	2-7			
300-0	12-5	op,c	c	cp,o	cjp	opq	I	I	7	8	a-cu-lent/cu-nb/st		a-cu/cu/cu-nb		E./E.N.E.	W./E.	0-01	0-03	2	2	2-8			
290-4	12-1	op,cq	ojp	c,o	ojp	od	I	K	9	9	nb/st		cu/cu-nb		E.	E.	..	0-01	2	1	1-6			
266-4	11-1	odq	o	o	o	o	J	K	9	9	st-cu/nb		st-cu/nb		E.	E.N.N.	0-12	0-12	1	1	0-2			
151-2	6-3	opq	cp	c,o	op	opr	I	K	8	9	st-cu/nb		ci-st/cu-nb		E.N.E.	-/N.E.	Trace	0-48	1	1	2-5			
165-6	6-9	op	bcjp	bc,c	bcjp	c,bc	K	K	5	5	st-cu/cu-nb		a-st/cu-nb		-/N.E.	N.W./N.	Trace	Trace	2	2	5-8			
180-0	7-5	bc,c,o	o	bc,c	bcjp	oid	L	L	9	5	st/nb		ci-st/cu-nb		S.W.	ESE/NW.	..	0-53	1	1	3-1			
134-4	5-6	oidr	ojp	oid	o	oid	J	L	10	10	nb		st/nb		S.E.	E.S.E.	0-05	0-08	2	2	0-0			
110-4	4-6	oid	ojp	oid	o	oid	K	L	10	10	nb/st		a-st/cu-nb		E.S.E.	?/E.N.E.	0-12	0-12	2	2	0-0			
103-2	4-3	oid	c	o,cjp,bc	cjp	bc,c,opq	M	M	8	7	a-cu/st-cu/cu/nb		st-cu/cu-nb		WNW/WNW	E.	..	0-31	2	1	2-9			
120-0	5-0	o,cp	c	c,bc	c	bc,c,op	L	K	8	7	a-cu/st-cu/cu/nb		a-cu/cu/cu-nb		W./E.	WNW/ENE.	..	0-09	2	1	6-7			
5277-6	219-8	....	...	....	...	....	..	..	256	268	.....		.....		....	....	4-80	18-08	..	..	68-8			
170-2	7-1	....	...	....	...	....	..	..	8-3	8-6	.....		.....		....	....	..	..	..	..	2-2			

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8. a.m.	0	8	21	2	1	1	3	7	1	5	7	3	0	0	0	1	0	0	0	0
2 p.m.	0	11	19	1	0	0	0	6	1	11	6	3	0	1	1	1	0	0	0	0
Total	0	19	40	3	1	1	3	13	2	16	13	6	0	1	1	2	0	0	0	0

Prevailing Direction, E.; 8h., N.E. and E.S.E.; 14h., E.; Maximum wind velocity, 36 m.p.h. from E.N.E. at 1.40 a.m. on 21st.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

MAY, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	5-3	15-5	17	7-0	17-2
2	5-0	15-0	18	6-6	16-0
3	5-3	15-5	19	7-8	19-3
4	5-5	14-1	20	7-4	19-3
5	3-4	10-8	21	6-5	16-6
6	3-2	8-1	22	6-1	15-0
7	4-0	12-5	23	5-9	14-8
8	..	...	24	6-1	15-0
9	4-9	15-0	25	6-2	15-5
10	4-6	12-9	26	6-3	15-9
11	3-5	12-5	27	6-0	15-5
12	3-3	10-8	28	6-4	16-1
13	5-5	15-6	29	5-5	15-0
14	5-5	14-2	30	5-9	17-8
15	5-6	16-1	31	6-1	16-0
16	6-8	16-0	..	..	...
Totals	..	...	..	167-2	449-6
Means	..	...	..	5-6	15-0

WEATHER DIARY—MAY, 1939.

Date.

1. Light N.E.xN. breeze at first, falling to force 1 0100, fine and half cloudy. Variable sky during the day mainly clear at night. Ci-cu clouds predominating during the late afternoon. Wind veered E'ly increasing force 3 0845, gradually falling off 1600, backing N.E. Dew about 1930.
2. Fine all day. Quarter cloudy early, gradually becoming cloudy to overcast after 0900. N.E.xN. airs at first increasing force 2 3, veering E'ly falling off 1500 backing N'ly.
3. Fine but cloudy to overcast all day. N'ly airs to calm at first, increasing force 2 0805. Light to gentle N.E. to N.N.E. breeze during the day falling off 2000. Thick drizzle 2050 to 2120 then thin intermittent drizzle to 2300. Lunar halo 2130.
4. Calm at first, light N.N.E. breeze 0320 falling off 0500 becoming variable. Overcast all day. Very thin intermittent drizzle from 0730 increasing to moderate rain 1500 to 1700, then drizzle to 1920. Light N.N.E. to N.N.W. breeze 0925 to 1100 then calm. Light S.W'ly breeze 1218 falling off 1400. Light N.E.xN. breeze 1548 falling off 2035.
5. Overcast early and thin drizzle 0000 to 0050, then sky gradually cleared to half cloudy, becoming cloudy to overcast after 0800. N.E.xN. airs to calm 0826 to 0950, wind N.xE. force 1/2 then calm to 1240 when wind backed to S.xW. force 3 falling off and then veered slowly to N'ly 1600 becoming calm. Wind again backed to S.xW. force 1/2 at 1640 falling off and veering to E.xN. force 1 at 1830. 2300 moderate rain squall from N.N.W.
6. Moderate squall backing W.S.W. to 0020 and showers to 0120. Variable winds to calm early, drizzle 0300 to 0430 then fine, becoming overcast after 0930. 1040 drizzle followed by continuous rain until 1240. Light variable winds all day from E. to N. throughout south with calm periods. Drizzle 1455 to 2140 and overcast for the remainder of the day with N.E.x N., wind force 1, 2.
7. Light to moderate N'ly wind falling off to calm 1130. Moderate S.S.W. squall 1233 to 1243. Calm 1320. Light to gentle E'ly to S.E'ly 1425 to 1900, when wind backed to west force 2 3 falling to calm at 2030. Overcast in early morning then clearing 0750 but becoming overcast again to 1030. Intermittent drizzle and rain 0100 to 0710, and intermittent drizzle 1030 to 1930, then moderate rain.
8. Overcast and cloudy all day, gentle variable N.E. wind at first with moderate rain to 0250 then drizzle to 0700. Wind mainly gentle to light N'ly throughout day. Drizzle 1515 dull and overcast increasing to heavy rain 1555 to 1605 and wind shifted to South force 4 then S.E. falling off to force 2 at 1640 gradually backing N'ly force 1/2. Light rain continued to 1830 and overcast night.
9. Light airs to calm early, overcast but fine and good visibility, becoming cloudy after 0900 with light N.E'ly breeze veering E.S.E. 1440 increasing force 3/4 from W. to S.W. 1800. overcast night, light to moderate showers 1740 to 1900.
10. Light to gentle W.xS. to S.W. breeze early falling off 0320 to light S.E. breeze 0744 increasing force 3 falling off 2230 backing N.E. Overcast to cloudy and fine at times but good visibility. Trace rain 0902, thin drizzle 2240 to 2400.
11. N.E. airs to calm at first, light E'ly breeze 0800 increasing force 4 0830. Slight shower 0840. Cloudy and fine with good visibility early then bright weather all day.
12. Shower 0745 to 0755. Fine and bright to cloudy with gentle E.S.E. to E. breeze increasing to force 4 at 0820 with frequent fresh gusts. Good visibility. Slight drizzle 1005. Cloudy 1215. Slight shower at 1240. Cloudy to overcast during the afternoon and night with showers from 1545 and wind backed to N.E. occasionally.
13. Gentle to fresh E'ly wind early, cloudy to overcast and showery to 0530. Sky mainly overcast throughout the day with moderate E.S.E. to E. breeze. Shower at 1450, moderate rain 1830 to 2120. S.E. breeze force 4/6 2150 to 2400 backing E.xN. Squally weather during night. Maximum wind velocity 31 m.p.h. from E.S.E. at 2258.
14. Gentle E.xN. breeze at first, falling off to N'ly airs to calm 0040, cloudy to overcast all day and night. Showers 0930 to 0940, drizzle 1750, increasing to moderate rain 1825 to 2000. Light rain and drizzle 2100 to 2400. Light N.E.xN. breeze 0835 veering E. increasing force 3 1108 and to force 3/4 with fresh gusts 1600 to 2200, with momentary veer to S.E'ly 1810 to 1900.
15. Overcast all day and night with poor visibility most of the time. Light to gentle E'ly winds early becoming squally and variable force 1/4 after 0215, boxing compass 0520 to 0735, then gentle to moderate E.S.E. to E. breeze, increasing force 4/5 from E.S.E. 1330, falling off 2400. Drizzle 0610, increasing to heavy continuous rain 0650 to 0900, then light to moderate to 1525. Intermittent rain and drizzle 2020 to 2400.
16. Overcast early with very thin occasional drizzle and light E.xS. breeze increasing force 4 0750. Moderate rain 0715 to 0840. Poor visibility at times. Mainly overcast all day, but showery with bright intervals 0900 to 1330. Shower to about 1530 then intermittent rain and drizzle. Moderate to fresh E.S.E. to E. breeze all day with some strong gusts. Maximum wind velocity 29 m.p.h. from E.S.E. at 1410.

Date.

17. Intermittent drizzle and rain to about 0400, then fine but overcast all day. Gentle to fresh E. to E.S.E. breeze with some strong gusts, very gradually falling off after 1100, veering S.S.E. after 1700, becoming variable 2140. Trace of rain at 1040 and 1550. Light showers 2340. Maximum wind velocity 29 miles per hour from E.xS. at 0158.
18. Overcast all day. Light showers to 0820. N.N.W. to N.xE. airs to calm early, gentle E.xS. breeze 0500 with moderate to fresh gusts and squalls occasionally reaching force 6, increasing force 5 to 6 with occasional gusts force 7, 1500, Intermittent drizzle 1140 to 1420. Rain 1740 to 1800, boisterous conditions all night. Maximum wind velocity 34 m.p.h. from E. at 1903. Rainbow 0900.
19. Moderate to strong squally and gusty E. to E.N.E. winds with some squalls force 7, moderating 2148. Densely overcast and rain 0020 to 0110. Heavy rain 0545 to 0700, then thin drizzle to 1735. Intermittent rain and drizzle 1900 increasing to moderate to heavy rain 2250. Generally, rather boisterous conditions all day and night and poor visibility at times. Maximum wind velocity 35 m.p.h. from E. at 0120.
20. Gentle to moderate gusty E.N.E. breeze early veering E.S.E., increasing force 4/5 with gusts force 6. Densely overcast and moderate to heavy rain to 0840 and poor visibility. Light to moderate rain, but heavy at times, from 0905. Light to gentle variable breeze 2055. Maximum wind velocity 30 m.p.h. from E.S.E. at 1159.
21. Light to moderate rain to 0300. Light showers at 0348, 0525, and 0820, generally fine but overcast early. Moderate to light intermittent rain 0925 to 1105 then cloudy to overcast. Showers from 1450. Gusty variable N.E. to E. breeze at first, falling to N.E. to N'ly airs 0202. Gentle to moderate E. breeze 0700 varying between E.S.E. and N.E. during the day with fresh to strong gusts. Maximum wind velocity 36 m.p.h. from E.N.E. at 0140.
22. Cloudy to overcast and showers to 0600 and gentle to fresh E'ly breeze with frequent strong gusts after 1325. Light showers 0912 to 0935. Moderate shower 1450 to 1500. Mainly overcast all day but cloudy at times with a little sunshine. Maximum wind velocity 30 m.p.h. from E.xS. at 1559.
23. Mainly overcast all day and moderate to fresh E. to E.S.E. breeze (mainly E.) with frequent strong gusts, changing to N.E. 2320 to 2340. Light showers at 0148 and 0710. Then drizzle 2230 to 2310. Maximum wind velocity 31 m.p.h. from E. at 0958.
24. Gentle to moderate E'ly breeze early with occasional fresh gusts and squalls after 0600 and backing N.N.E. at times between 0655 and 0810. Then frizzle 0735 to 0740. Cloudy to overcast all day and night and E.N.E. breeze after 0830, falling off 1500 backing N.E.xN. Maximum wind velocity 25 m.p.h. from E.N.E. at 0902.
25. Overcast early and light to moderate showers 0030 to 0040 and 0420 to 0840, then variable sky. Light N.E'ly winds with gentle to moderate squalls, Gentle breeze during the day from 0700, varying E. to N.N.E. with moderate to fresh gusts. Moderate to heavy showers 1355 to 1800. Maximum wind velocity 25 m.p.h. from E.N.E. at 1110.
26. Light to gentle N.E'ly winds early, cloudy to overcast and showers 0420 to 0500. Variable sky during the day mainly half cloudy and gentle to moderate N.E. to N.N.E. winds, falling to N'ly airs to calm 1912, mainly half cloudy night.
27. N'ly airs to calm early and overcast. Wind backed S.W'ly 0750, increasing force 2/3, very gradually backing S.E. by 2200 with moderate to fresh S.S.E. 2000 to 2100. Variable sky during the day and overcast night with intermittent drizzle from 1930.
28. Overcast all day. Intermittent rain and drizzle to 1200. Gentle S.E. to S.S.E. breeze early becoming light and variable 0820. Light to gentle S.E. breeze 1300, falling off 2100, backing N.E'ly 2200. Intermittent drizzle 2100.
29. Overcast all day and intermittent drizzle. Variable airs early. Light to gentle S.E'ly breeze 0500, becoming variable 1025.
30. Overcast early with intermittent drizzle to 0640. Variable winds force 0/2 mainly N.N.E. Variable sky after 0800 and excellent visibility. Gentle E'ly breeze 1200, falling off 1612 backing N'ly. Moderate E.N.E. squall 2032. Showers 2015 to 2045.
31. N'ly airs to calm early and cloudy. Light W. breeze 0352, backing E.S.E. 3, 0430 and to E. 2, 0640. Showers 0430 to 0620. Variable sky during the day, mainly half to three-quarter cloudy. Wind backed N'ly force 1 0830, increasing force 2/3 1015, varying between N.E. and S.E., falling off 1940 backing N. Gentle to moderate S.E.xS. breeze 2110. Overcast and showers 2020 to 2300.

ADDITIONAL NOTES.

An exceptionally wet month, rainfall being 12.06" above the average. There were 28 days with rain.

Mean temperature was 0.07° below normal and mean pressure at 8 a.m. 0.010" below normal.

Moderate to high trade winds occurred from 10th to 24th, reaching gale force at times in parts of the Group.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
JUNE, 1939.

JUNE.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and tenths).	Day					
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.									
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)						
211-2	8-8	c	cjp	c, bc	bc	bc, cp, b	L	M	7	5	st-cu/cu/nb	ci-cu/cu	E.S.E.	WSW./SE.	..	0-04	1	1	5-6	1					
192-0	8-0	bc, b	b	b, bc	bey	bey, c, opq	M	M	3	4	cu	cu	S.E.	S.E.	..	0-24	1	1	7-5	2					
228-0	9-5	c, opq	opq	opq	oy	o, c, b, bcq	J	L	9	9	cu-nb/nb/st	st-cu/cu/cu-nb	E.S.E.	E.S.E.	0-05	0-02	2	1	0-2	3					
252-0	10-5	c, opq	opq	cqbc	bey	c, bc, b	K	K	9	4	st-cu/nb	cu/cu-nb	E.	E.	0-01	Trace	1	1	5-8	4					
283-2	11-8	b, bep	bc	bc, b, cqp	cjp	cq, bc, b	K	K	5	8	a-cu/st-cu/cu-nb	st-cu/cu-nb	E./E.	E.	..	Trace	1	0	5-7	5					
247-2	10-3	bcq, c	c	bczcpq	cjp	c, opq	K	K	7	7	st-cu/cu/nb	st-cu/cu-nb	E.N.E.	E.X.N.	0-01	0-10	0	0	4-4	6					
182-4	7-6	c, bc	bc	bc, cp, o	o	op, c, bc	J	J	5	9	ci/a-cu/cu	a-cu/cu-nb	?/N.E./N.E.	?/N.E.XE.	0-03	0-13	1	1	2-2	7					
148-8	6-2	bc, b	b	b, bc	b	bc, bw	M	L	1	3	a-st	cu	N.E.	N.N.E.	..	..	1	0	8-5	8					
134-4	5-6	bc, b	b	b	b	b, bcw	K	L	0	1	..	cu	..	S.	..	..	0	0	9-2	9					
136-8	5-7	b	b	b, bc	bc	c, op	M	L	1	6	cu	cu/cu-nb	..	S.E.	..	0-01	0	0	6-8	10					
108-0	4-5	op, c	c	c, bc	c	c, oir	L	M	7	8	st-cu/cu/cu-nb	st-cu/cu/cu-nb	S.	S.E.	..	0-61	0	0	4-0	11					
105-6	4-4	oir, v	oidv	oid, bcv, c	cv	cv, o	M	M	9	8	cu/nb/st	a-cu/cu	S.X.W.	W./S.S.E.	0-01	..	1	0	4-1	12					
151-2	6-3	c, o	o	o, bc, c	c	c, or, id	L	M	9	7	st-cu/cu	a-cu/st-cu/cu-nb	..	W./S.E.	..	0-30	0	0	1-9	13					
108-0	4-5	o	o	o	o	o	M	M	9	9	st-cu	st-cu	S.S.E.	S.S.E.	Trace	Trace	1	1	0-0	14					
182-4	7-6	o	ojp	od	ojp	oid	L	L	9	10	st-cu/nb	st-cu/nb	S.E.	S.E.	Trace	0-01	1	0	0-0	15					
177-6	7-4	o, c, bc	c	c, oid	oid	oidr	K	I	8	10	a-cu/st-cu	st/nb	W/E.X.N.	E.S.E.	0-01	0-37	0	0	0-8	16					
163-2	6-8	o, c	c	o	o	o, c, bep	L	L	8	9	st-cu/nb	cu-nb	E.S.E.	E.S.E.	Trace	0-01	1	1	0-4	17					
163-2	6-8	bc, c, p	o	o, cp, bc	ojp	o, c, bcw	L	L	10	9	st-cu	nb/st	E.S.E.	E.N.E.	0-04	Trace	1	1	2-9	18					
175-2	7-3	bc, b	b	bv	bvy	bw	L	M	1	2	ci-cu/cu	cu	..	..	..	..	1	0	8-0	19					
48-0	2-0	b	b	b	b	bw	M	M	0	1	..	cu	..	E.	..	..	0	0	8-5	20					
96-0	4-0	b	b	b	by	bc, c, o, bw	M	M	0	3	..	fr-cu/cu	..	N.	..	..	0	0	8-2	21					
127-2	5-3	bc, b	b	bv	bv	bc, c, o, bw	M	M	3	2	st-cu	cu	S.	S.	..	..	0	0	8-4	22					
91-2	3-8	c, o	o	o, c	c	o, c, bcw	L	L	10	8	st-cu	st-cu/cu/cu-nb	E.S.E.	E.S.E.	Trace	..	0	0	1-2	23					
112-8	4-7	bc, b	b	b	b	bw	M	M	2	3	st-cu	fr-cu/cu	N.E.	E.S.E.	..	..	0	0	9-2	24					
124-8	5-2	b	b	b, bc	bey	bey, b, ep	M	M	2	4	cu	cu	E.	N.E.	..	0-02	0	0	9-0	25					
136-8	5-7	bc	bey	bey, b	bv	bv, w, bc	M	M	4	3	fr-cu/cu	cu	E.	N.E.	..	..	0	0	8-0	26					
134-4	5-6	bc, bv	bv	bv, bc, cp	cv	cv, bc, bw	M	M	3	7	fr-cu/cu	cu/cu-nb	E.	S.E.	0-01	..	0	0	8-2	27					
129-2	5-8	bv	bv	bv, bc	bey	bey, c, o	M	M	1	5	cu	cu	?	E.	..	Trace	0	0	8-0	28					
158-4	6-6	c, o	ov	cv, o	ov	odq, c, b	M	M	9	9	a-st/st-cu/cu	a-st/cu-nb	WNW./WNW	NW./WSW.	..	0-04	0	0	1-0	29					
115-2	4-8	b	b	b	b	bw, bc, c, o	M	M	1	3	cu	cu	?	W.	..	..	1	0	8-6	30					
1634-4	193-1	....	...	....	...	....	..	..	152	176	.....	.....	....	....	0-17	1-90	..	..	156-3	Total					
154-5	6-4	....	...	....	...	....	..	..	5-1	5-9	.....	.....	....	....	..	..	..	..	5-2	Mean					

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	4	22	4	0	12	0	4	0	2	3	4	0	1	0	0	0	0	0	0
2 p.m.	0	7	23	0	0	2	1	2	2	2	8	6	3	2	2	0	0	0	0	0
Total	0	11	45	4	0	14	1	6	2	4	11	10	3	3	2	0	0	0	0	0

Prevailing Direction, N.; 8h., N.; 14h., E.S.E. Maximum velocity, 33 mp.h. from E. at 3h. 02 m. on 5th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

JUNE, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	6-1	15-0	16	5-9	18-6
2	6-0	17-2	17	5-9	15-0
3	6-4	15-5	18	3-2	13-3
4	7-1	21-1	19	2-6	12-2
5	7-2	21-1	20	4-4	14-1
6	7-7	19-3	21	2-9	10-8
7	8-0	23-2	22	7-4	14-3
8	5-8	16-8	23	4-5	12-2
9	5-6	15-4	24	5-6	16-0
10	4-1	12-5	25	4-5	12-2
11	3-7	10-5	26	5-6	16-0
12	6-9	18-6	27	4-9	16-2
13	5-0	14-1	28	5-6	15-0
14	5-8	13-6	29	5-7	17-2
15	6-4	18-6	30	4-5	15-2
Totals	..	...	..	165-0	470-8
Means	..	...	..	5-5	15-7

WEATHER DIARY—JUNE 1939.

Date.

1. Gentle to moderate S.E. to E.S.E. breeze all day and fine. Cloudy early and showers to N.W. 0800, then variable sky, mainly half cloudy. Showers at 1815, 2015 and 2345 and cloudy, but cloudless sky at times during the night.
2. Fine and half to quarter cloudy all day with gentle to moderate S.E'ly breeze and unusual visibility at times, becoming squally 2300 falling off 2335 backing N'ly. Cloudy night and light shower 2320 to 2330. Maximum wind velocity 25 m.p.h. from S.E. at 2230.
3. Cloudy to overcast all day. Squally E.S.E. breeze force 2.5 early, becoming variable 0400 S.S.E. to N.N.E. Moderate to fresh E.S.E. breeze, with some strong gusts 1025, falling off 2000 backing E.N.E., increasing again force 4/6, gusty 2110. Showers 0335 to 1015. Variable sky late afternoon and at night. Very pretty sunset. Maximum wind velocity 28 m.p.h. from E.S.E. at 1203.
4. Gentle to fresh E.S.E. breeze early and cloudy to overcast backing E. 0700. Squall 31 m.p.h. from E.x.S. at 0718, then gentle breeze, increasing to force 4.5 with strong gusts 0815. Mainly fine all day and quarter to half cloudy but cloudy at times. Showers at 1005.
5. Early morning fine, half to quarter cloudy and moderate to fresh E. breeze backing N.E. force 2 occasionally. Trace rain at 0415, 1350 and 1702. Steady E. breeze force 2.5 after 0900 with strong gusts and squalls. Cloudy afternoon, clear night cloudless at times. Maximum wind velocity 33 m.p.h. from E. at 1502.
6. Fine and half cloudy early becoming cloudy 0705. Variable sky during the day and showers at 1120, 1235, 1508 and 1700 to 1905. Overcast night, slight haze during the morning. Rainbow 1530. Moderate to fresh E'ly breeze at first falling off 0230, backing N.E'ly increasing to force 2.5, squally from E. to E.N.E. 0820, gradually falling off 1800 backing N.E. Maximum wind velocity 29 m.p.h. from E.x.N. at 0124.
7. Light to gentle N.E'ly breeze early, fine and half cloudy. Gentle to moderate E.N.E. to N.E. breeze during the day, falling off 1600 and cloudy with light showers 1010 to 2300, then sky cleared.
8. Fine all day and half to quarter cloudy, cloudless occasionally at night and dew. N.E. to N.N.E. winds force 1/2 early, calm at times. Gentle to moderate breeze during the day falling off 1900.
9. Mist on hills early, cloudless and light N'ly breeze. Calm 0610. S.W. airs 1000 increasing force 2 becoming variable and very gradually backing to N.N.E. airs to calm by 1800. Mainly cloudless all day and night. Dew about 1930.
10. N.E. to N.N.E. winds force 1/2 early, fine and clear sky, becoming half cloudy 1230 and cloudy 1500. Overcast night and light showers 1900 to 2020. S.W. airs 1015 increasing force 2.3 backing S.E. becoming variable N'ly 2248.
11. Overcast early and very light showers 0100 to 0220, then sky very gradually becoming half cloudy. Variable N'ly winds force 0.2 early. Light W.S.W. breeze 0915 very gradually backing S.E. force 2/3 falling off 1500, becoming variable 2040. Overcast night. Trace rain 1700 and 2050. Intermittent rain 2150.
12. Intermittent rain to 0100 then very thin intermittent drizzle to 0855. Variable winds force 1/3 early. Gentle S. to S.S.E. breeze 0755 increasing force 4 0912 gradually falling to force 2.3 1330, backing E.S.E. after 1600. Variable sky during the day, mainly cloudy and unusual visibility. Cloudy to overcast night.
13. Fine but cloudy to overcast early and N'ly winds force 0.2. Variable sky during the day, cloudy to overcast afternoon and night. Light to gentle variable S.E'ly wind 1050 veering N'ly 2340. Excellent visibility. Rain 1710 to 1740 and 2240 to 2330 and occasional thin drizzle.
14. Overcast all day and night and fine with excellent visibility N'ly airs to calm early with W.S.W. breeze force 2/3 0318 to 0410. S.S.E. to S.E. breeze force 1/3 from 0648 gradually backing E.S.E. increasing force 3/4 2305. Trace rain about 0850.

Date.

15. Overcast all day, fine at first and gentle to moderate S.E. to E.S.E. breeze, backing E. after 1800. Very thin intermittent drizzle between 1040 and 1900.
16. Variable sky early mainly cloudy, N.E'ly wind force 1/2, veering E. to E.S.E. force 3/4 0908, falling off 2030, backing N.N.W. increasing force 3 from E.x.N. 2305 overcast 1100. Intermittent drizzle and rain 1330 to 2320.
17. Early morning cloudy to overcast and light to gentle E'ly breeze backing N.E. 1 0545. Light to gentle E.S.E. breeze 0712, increasing force 3/4. Variable sky at night, mainly half cloudy. Shower 2300 to 2310.
18. Gentle E.S.E. breeze early, backing E. 0925 increasing force 3/5, lulling and backing E.N.E. 1945 to 1448, falling off 1800, gradually backing N'ly. Variable sky during the day and mainly fine. Light showers 0848 to 0900 and 1330 to 1420. Half cloudy night and dew.
19. Fine and clear sky all day and night cloudless at times and excellent to unusual visibility. Pretty sunset. N'ly airs to calm at first, W.S.W. airs 1013 backing E.S.E. force 2/3 1115, falling off 1645, backing N'ly 1800. Dew at night.
20. Fine and clear all day mainly cloudless and N'ly airs to calm early. S'ly airs 1100, gradually backing E. force 2/3 falling off 1800 backing N'ly. Dew at night.
21. Early morning fine cloudless and N'ly airs to calm. Light to gentle N.N.E. to N.N.W. breeze 0940, backing W. 1435 and to W.S.W. 1513 force 4 backing S.W. 1810, gradually falling off. Calm 2040. Sky gradually covered after 1600, clearing 2100. Dew at night.
22. Calm early and clear sky, becoming cloudy to overcast towards evening, clearing later. Light S.S.W. to S. breeze 1025 increasing force 2/3, backing S.E. 1525, falling off 1700. Dew at night.
23. Cloudy to overcast during the day clearing after 1800. N.E. airs to calm at first. Light to gentle S.E. breeze 0900 with moderate gusts backing E'ly after 1600 gradually falling off. Trace rain 1305. Dew at night.
24. Fine and clear sky all day and night N.E. airs to calm at first, light E'ly breeze 0820, increasing force 3/4 0935 from E.S.E., backing E.N.E. after 1410 gradually falling off. Dew at night.
25. Fine and clear sky early and N.x.E. airs. Quarter to half cloudy during the day and unusual visibility. Gentle E. to E.S.E. breeze 0905 falling off 1700, backing N.N.E. Trace rain 2030. Cloudy and showery 2325 to 2400.
26. Fine and half to quarter cloudy all day and night and unusual visibility. Dew about 1930. Light to gentle E.S.E. breeze early falling off 0600 backing N'ly, increasing force 3 from E.S.E'ly 0835, veering S.E. 1430, falling to force 2 1700 N'ly airs to calm 2352.
27. N.x.E. airs early. Light to gentle E.S.E'ly breeze 0910, gradually falling off after 1700 backing N'ly 1900. Mainly clear sky all day, cloudless at times and unusual visibility but cloudy occasionally between 1230 and 1730. Light showers 1315 to 1320. Dew at night. Lunar Corona 1935.
28. Light N'ly breeze early, fine clear, sky and unusual visibility, becoming half cloudy. Gentle breeze 0900 veering N.E'ly 1200. Gentle to moderate breeze after 1400, very gradually falling off 1600 backing N'ly, and to W'ly 2312. Variable sky at night, mainly cloudy.
29. Cloudy to overcast during the day and unusual visibility to 1500 then drizzle 1545 to 1715, sky gradually clearing 1930. N.N.E. to N.N.W. winds force 1/3 during the morning; calm 1410, boxing the compass 1512 to 1648 then N'ly force 1/2. Gentle to moderate S.W. squall 1525 to 1540.
30. N'ly winds force 1/2 early; fine and clear to cloudless sky. Dew at night and variable sky after 1945. Light S.W. breeze 1014, backing S.S.W. force 3, falling off 1900 backing N'ly.

· ADDITIONAL NOTES.

A fine, dry and fairly cool month. Rainfall was deficient by 4.20", and mean temperature was 0.7° below normal. Mean pressure at 8 a.m. was 0.021" above normal. From 1st to 5th, moderate to strong Trade winds occurred.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
JULY, 1939.

JULY.

Wind. Miles run for previous 24 hours.	Wind. Mean velo- city.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and tenths).	D.	
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.					
									I	I	I and II	II	II	I			II	I			II	I	II
		(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)		(39)		(40)	(41)	(42)		(43)	44	45	(46)
146-4	6-1	bc,b	b	b	b	b,c,o,bcw	L	L	1	1	cu	cu	....	S.	..	..	0	0	9-4		
105-6	4-4	bc,b	b	b	b	bw	L	L	0	2	....	cu	....	S.W.	..	..	0	0	9-4		
182-4	7-6	b	b	b,bc	bey	bczw	L	L	0	4	....	a-cu/cu	....	WNW/WNW	..	..	0	0	9-4		
122-4	5-1	b	b	bczep	cp	c,opoq,bc	K	K	1	7	cu	cu/cu-nb	....	S.S.W.	0-09	0-09	0	0	6-7		
132-0	5-5	bc,bzo	bzo	bzo	b	bzo,w	K	M	0	2	....	cu	....	N.N.W.	..	..	1	0	9-5		
153-6	6-4	b	b	b,bc	b	bc,c,o,bw	L	M	1	2	cu	cu	....	N.W.	..	..	0	0	8-0		
98-4	4-1	bc,b	b	b	b	b,bc,c,oird	M	M	1	3	cu	cu	....	N.W.	..	0-76	0	0	9-2		
170-4	7-1	oddq	odd	oid	odd	oid,ird	H	F	10	10	st	st	S.	S.	0-07	0-30	1	1	0-0		
52-8	2-2	oidr,d	oid	o,c	o	oidr	K	L	9	10	nb/st	st-cu	S.E.	S.E.	Trace	0-09	1	1	0-8		
100-8	4-2	oir,cd	o	od,c	o	o,c,bc,b	L	M	9	10	st-cu/cu	a-st/nb	S.E.	?/S.E.	0-01	..	1	1	0-2	1	
156-0	6-5	b,bcv	cv	cv,bc	bey	bc,c	M	M	7	6	a-cu/cu	cu	S.E./S.E.	E.S.E.	..	..	1	0	7-1	1	
182-4	7-6	b,bc,c	c	c,bc	bey	bc,bw	M	M	7	5	st-cu/cu	cu	E.	N.	..	..	0	0	8-9	1	
124-8	5-2	b,bc,c	bc	bc,b,c	c	bc,c,o,bw	L	L	6	8	ci/a-cu	ci/cu/cu-nb	WNW/WNW	?/N.W.	..	..	0	0	8-6	1	
144-0	6-0	bv	bv	bv,bc,c,o	oid	oido,c,bc	M	I	2	9	ci-cu/cu/cu-nb	nb/st	WNW/sw.	S.W.XS.	Trace	0-01	0	0	4-7	1	
235-2	9-8	b	b	b	by	b,bc,c,o	L	L	3	3	st-cu/cu	st-cu/cu	S.	E.S.E.	..	..	0	0	8-3	1	
199-2	8-3	o,c,bc	c	c,o	ojp	oid	L	L	7	10	st-cu	nb/st	N.E.	N.	..	0-14	0	0	0-5	1	
117-6	4-9	oiddr	oid	oido,c	c	c,o,bc,bw	J	M	10	7	nb	a-cu/cu/cu-nb	E.S.E.	WNW/ENE.	0-03	..	1	0	2-8	1	
98-4	4-1	bc,bw	b	bv	bv	bc,c,bw	M	M	1	2	cu	cu	....	W.	..	..	0	0	9-1	1	
160-8	6-7	b	bv	bv	bv	b	M	M	0	1	....	cu	....	S.	..	..	0	0	10-3	1	
148-8	6-2	b,bc	bc	bc,c	o	oidrq	L	M	5	9	ci-st/a-cu	a-st/cu-nb	w./w.	w./w.	..	0-19	0	0	4-0	2	
112-8	4-7	oidr,c	c	c,bc	c	c,o	L	L	7	8	ci-st/nb	a-cu/cu-nb	S./-	S.W./S.E.	..	0-04	1	0	5-6	2	
141-6	5-9	oid	oid	oid	oid	oid	J	M	10	10	nb/st	st-cu/st	S.	S.E.	Trace	Trace	1	0	0-5	2	
144-0	6-0	o,c,bcv	bv	bv,c	ovy	ov,c,bcw,b	M	M	4	9	ci-cu/st-cu	cu/cu-nb	w./E.	N.	..	..	0	0	6-9	2	
127-2	5-3	b	b	b,bc	bc	c,o	M	M	0	4	....	ci-cu-lent/cu	....	N.W./N.W.	..	Trace	0	0	8-4	2	
110-4	4-6	c,bc	bc	bc,c	c	c,oq	M	M	6	7	ci/ci-cu	ci-st/cu/cu-nb	W.S.W.	WNW/WNW	..	0-18	0	0	7-9	2	
151-2	6-3	opq,c,bc	c	c,bc	c	oidr	K	L	7	7	ci/cu/cu-nb/st	cu/cu-nb	WNW/WNW	W.XS.	..	0-68	1	0	4-9	2	
129-6	5-4	oidr	oir	oidrq	odr	oidrq	G	F	10	10	st	st	S.	S.S.E.	0-14	0-40	1	1	0-0	2	
201-6	8-4	oidr	ojp	oid	oid	oidrq	I	G	10	10	a-st/nb/st	st	?/S.E.	S.E.	0-04	0-52	1	1	0-0	2	
232-8	9-7	oidr	oir	oidr	oir	oidrq	F	I	10	10	st	st	E.S.E.	E.S.E.	0-17	1-47	2	2	0-0	2	
187-2	7-8	odr	odd	odr,idr	oid	oidr	G	G	10	10	st	st	E.	E.	0-37	0-27	2	2	0-0	3	
170-4	7-1	oidrq	ojp	c,o	o	od	I	M	10	9	st	ci-st/cu-nb	S.E.	?/S.E.	..	0-54	2	1	0-8	3	
1540-8	189-2	....	...	....	...	....	..	..	164	205	....	....	....	....	0-85	5-68	..	..	161-9	To	
146-5	6-1	....	...	....	...	....	..	..	5-3	6-6	....	....	....	....	..	..	..	..	5-2	Me	

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	Var.
8 a.m.	0	2	24	5	0	15	1	0	0	1	2	2	3	1	0	0	0	0	0	0	1
2 p.m.	0	6	25	0	1	0	0	2	1	3	5	2	1	9	3	2	0	0	0	1	1
Total	0	8	49	5	1	15	1	2	1	4	7	4	4	10	3	2	0	0	0	1	2

Prevailing Direction, N.; 8h., N.; 14h., S.; maximum wind velocity, 29 m.p.h. from S.W. x S. at 17h. 49m. on 14th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

JULY, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	4-3	13-6	17	4-9	15-3
2	4-1	13-8	18	4-4	16-0
3	4-3	14-5	19	5-0	17-0
4	5-2	17-3	20	5-2	17-8
5	6-9	18-6	21	5-6	18-0
6	5-0	15-0	22	5-1	17-5
7	4-4	14-0	23	5-0	15-3
8	3-4	10-7	24	4-5	12-2
9	4-7	16-3	25	4-2	14-1
10	5-1	17-4	26	4-8	15-8
11	5-6	18-1	27	5-1	16-6
12	6-5	16-0	28	7-6	20-2
13	4-6	12-5	29	7-2	19-7
14	3-9	11-3	30	7-0	18-9
15	4-6	11-8	31	6-9	17-8
16	4-1	13-6	..	...	...
Totals	...	...	..	159-2	486-7
Mean	...	...	..	5-1	15-7

WEATHER DIARY—JULY, 1939.

Date.

1. N. wind force 1/2 early, fine and clear to cloudless sky, becoming cloudy to overcast 1800, clearing about 2230. Pretty red sunset. Light S'y breeze 1015, backing N.E. 11645 becoming variable and boxing compass 2000 to 2100, then N.xW. Dew at night.
2. Fine and clear to cloudless sky all day and night and heavy dew about 1900. Light variable N'y wind at first backing S.W'y after 0945 gradually increasing force 4,5 falling off 1500. Calm 1900. N'y airs 2200. Maximum wind velocity 23 m.p.h. from S.W.xS. at 1250.
3. N'y airs early, fine and cloudless sky. Quarter to half cloudy during the day, clear night and dew. Slight haze during afternoon. S.S.E. to S. breeze force 1/2 1020 veering S.S.W. 1508 force 4, falling off 1700 to N'y force 0/2.
4. Fine and clear sky early, slight haze and N'y breeze force 1/2 backing S.W. to S.S.W. force 3 1012 increasing force 3/4 1340 becoming squally and variable S.S.W. to S.E. 1600. Calm 2030. Showers 1340 to 2030, then sky gradually cleared.
5. Calm early and slight haze, also during late afternoon. Clear to cloudless sky all day, and night mainly cloudless. Dew about 1930. Gentle to moderate N. to N.W. winds 1000 backing W. force 2 3 1710. Veering N.W'y 1800 falling off 2108 to N.xE. force 1 2.
6. Light N'y winds early. Calm 0740. Clear to cloudless sky most of the time, but half cloudy during the forenoon and cloudy to overcast occasionally at night. Light variable S'y breeze 1015 backing N.E. 1 2 1722. Dew at night.
7. Fine and clear sky all day becoming overcast about 2200. Light N. to N.W. winds to calm early, increasing from 2/3 with moderate gusts 0900, backing S.W. 1402 falling off 1600, N.E. airs to calm 1825. Moderate W. to S.W. breeze 2300 with drizzle and rain. Heavy break on reef during the day.
8. S.W. squall 0030, 23 m.p.h., then light variable S.W. to S.E. breeze force 1 3. Light variable winds to calm 1720. Overcast all day with intermittent drizzle and rain and poor visibility. Moderate break on reef.
9. Intermittent drizzle and rain to 0600 then thin intermittent drizzle to 0820 then fine but cloudy to overcast. Intermittent drizzle and rain from 1930. Light N'y winds to calm at first, light to gentle variable winds between E. and S. 1042, backing N.W'y 2045 with moderate gusts.
10. Intermittent drizzle to 0140 and wind veered N'y force 1/0. Cloudy to overcast all day, sky gradually clearing 1720. Drizzle 1310 to 1340. Light to gentle S.S.E. to E.S.E. breeze 0925 with lulls 1030 and 1355.
11. Fine all day and half to 3/4 cloudy. Unusual visibility during the morning. Light to gentle S.E. to E.S.E. winds with frequent moderate gusts after 1100.
12. Fine all day and half to 3/4 cloudy, clear sky at night and dew. Gentle E.S.E. breeze early gradually backing N.N.E. force 1 increasing force 4 from E.xN. 0930 backing N.N.E. 1650 falling off.
13. N'y airs to calm early, fine and variable sky with a-cu predominating. Clear to cloudless after 2300. Dew at night. Light to gentle variable winds between N.E. and N.W. from 0920 falling 1625. Moderate N.N.W. breeze 1864 falling off 2100.
14. N'y airs to calm early. Fine clear sky and unusual visibility. Bank of low cu-nb to S.W. gradually covering the sky by 1130. Very thin intermittent drizzle 1300 to 1630. Light S.S.W. breeze 0940 increasing from 4/6 after 1040 veering S.W. to W.S.W. after 1740 gradually falling to force 3 backing moderate S.S.W. 2322. Maximum wind velocity 29 m.p.h. from S.W.xS. at 1749.
15. Fine and clear to part cloudy sky all day, becoming cloudy to overcast at night. Moderate S.S.W'y breeze early, becoming variable 0325, falling off light to gentle S.E'y breeze 0645 backing E.S.E. after 1500, falling off to N. 1, 2025.
16. N'y airs to calm early and cloudy. Light to gentle and variable N.E. breeze 1040 veering E. variable 1315 falling off 1700 backing N.E. to N'y. Overcast about 1100 and moderate to poor visibility, and low clouds. Very thin intermittent drizzle from 1430.
17. Overcast and variable N'y winds force 1/2 and intermittent rain and drizzle to 1305. Moderate S.W. by W. breeze 0540 to 0620 then gentle to moderate S.E.xS. breeze falling off 1920 backing N.E'y and N'y force 1/2 1800. Sky gradually cleared after 2030. Dew at night.

Date.

18. N'y airs to calm early fine and clear sky part cloudy during the day and unusual visibility. Variable sky at night and dew. Light to gentle S.S.W. breeze 1025 veering W'y 2100.
19. Fine and cloudless to part cloudy all day. Light to gentle W'y breeze at first veering N. 1 0140. Light to gentle S.xW. breeze 1115 gradually veering N. 2 after 1600.
20. Fine and half cloudy early and light N'y winds to calm backing W. to S.W. variable force 2/4 1225 falling off 1835. Wind boxed compass 2000 to 2200, then moderate to fresh S.S.W. squall to 2240 then light variable W. to N.W. Sky gradually became overcast by 1400. Thin to moderate intermittent drizzle and rain from 1530.
21. Thin to moderate intermittent drizzle and rain to 0100 then fine and cloudy becoming half cloudy. Light to gentle variable N.W. to W. winds at first, backing S. 0140 falling off to variable airs to calm 0300. Light to gentle S'y breeze 0922 gradually falling off after 1400 backing S.E. and to N'y 2100. Cloudy to overcast afternoon and night, trace rain 1650.
22. Overcast all day and night N'y air at first. Moderate S'y squall 0348 to 0400 then light to gentle breeze falling off 0510. Light to gentle breeze 0715, falling off 0801 veering W. Light to gentle S.S.E. to E.S.E. breeze 1204. Intermittent drizzle 0510 to 0810 and occasional thin drizzle 1400 to 1430.
23. Overcast at first and light S.E.xE. breeze falling off 0600 and sky becoming half cloudy. Unusual visibility. Cloudy to overcast after 1200, clearing about 1930. Dew at night. Light to gentle E.S.E. to E.N.E. breeze 0905 to 1705 with moderate gusts, then N.N.E. airs.
24. Fine and cloudless early and N.N.E. to N. winds force 1/2, gradually becoming cloudy to overcast by 1515. Trace rain 1800. Gentle S.E. to E.S.E. breeze 1230, gradually falling off 1500.
25. Fine half cloudy and calm early N'y winds force 1/2 0300, very gradually becoming cloudy to overcast. Light to gentle N.N.W. breeze 1002, backing S'y 1345 falling off 1715. Gentle to fresh squally W.S.W. to S.S.W. breeze 2150. Lunar Corona 1800.
26. Overcast early and light to moderate showers 0000 to 0300 then variable sky. Squally S.S.W. breeze falling off 0100 becoming variable N'y airs 0612. Light to gentle W.S.W. breeze 1000 backing S.E. becoming variable 1800 force 1/2. Overcast after 1600. Intermittent drizzle and rain from 1640.
27. Variable airs early S.S.E. to S.E. breeze, forces 1/2 0140, becoming variable 0700. Overcast and intermittent rain and drizzle all day poor visibility, at times. Squally winds force 2/5 S.W. to S.E. 1300 to 1920 then light S.E. backing N.E'y 2130 to 2225.
28. Overcast all day with intermittent drizzle and rain and gentle to moderate S.E. breeze with some fresh gusts and squalls. Poor visibility at times.
29. Overcast all day with intermittent drizzle and rain and gentle to moderate S.S.E. to E.S.E. breeze with some fresh to strong gusts, backing E'y 0830 and to N.E. variable force 3 2015. Low clouds and poor visibility most of the time. Maximum wind velocity 26 m.p.h. from E.xN. at 1318.
30. Overcast all day with continuous drizzle and rain to 1250, then intermittent drizzle and rain. Light to gentle variable N.E. winds at first. Gentle to moderate E'y winds 0640 falling off 1625. Low clouds and poor visibility most of the day.
31. Intermittent drizzle and rain to 0530, and overcast with low clouds to 0650, then conditions improved, visibility becoming excellent, but the sky mainly overcast. Calm at first W'y airs 0200, increasing to a strong squall 0220 to 0235, then fresh S. breeze falling to force 3 backing S.S.E. and to S.E. to E.S.E. 1130 gradually falling off, backing N.E. 1605. Variable S.E. winds force 1/2 2112. Drizzle 1545 to 1600. Rain and drizzle 2045. Maximum wind velocity 27 m.p.h. from S. at 0228.

ADDITIONAL NOTES.

A fine and cool month generally. The first week was particularly fine and bright, with clear skies.

Moderate rain fell on 7th and 8th, and a dull and wet spell set in on 25th.

Rainfall was 1.07" in excess of normal; mean temperature 0.7° below normal; and mean pressure at 8 a.m. 0.023" below normal.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
AUGUST, 1939.

AUGUST.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunst. (hours and tenths).	Day								
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.															
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)									
129-6	5-4	odr	c	c,oid	odd	oid	K	F	8	10	st-cu	st	W.	S.	0-1	0-05	2	2	0-7	1								
132-0	5-5	old	ojp	oid	ojp	oid	L	I	10	10	nb/st	a-st/nb/st	S.	?/S.	Trace	0-01	2	1	0-0	2								
187-2	7-8	oid	ojp	oid	ojp	oid	I	L	10	9	nb/st	cu-nb	E.S.E.	S.E.	Trace	Trace	1	1	0-3	3								
180-0	7-5	oid	ojp	oid	o	oidr	L	I	10	9	nb/st	st-cu/cu	N.E.	E.	Trace	0-72	1	1	0-0	4								
168-0	7-0	oidr	odd	oddep	op	op,c,bc,o	I	I	10	9	st	ci/cu/cu-nb	E.	?/E.N.E.	0-01	Trace	2	1	2-6	5								
158-4	6-6	o,c	c	c,bc	c	bc,c,o	L	L	8	8	a-cu/st	ci-st/cu/cu-nb	WNW./SNE	W./W.	..	Trace	1	0	5-3	6								
273-6	11-4	oidc	o	c,bc	bc	bc,c	L	L	9	4	ci-st/a-cu	ci-st	?/S.W.	S.W.	..	..	0	0	8-7	7								
242-4	10-1	bc,bw	b	b	by	bw,bc	L	M	3	0	st-cu	..	S.	..	..	..	0	0	10-1	8								
117-6	4-9	b,bc	bc	bc,b	b	bw,bc	L	L	6	3	st-cu	cu	E.	N.E.	..	..	0	0	9-2	9								
134-4	5-6	bc,c,ov	ov	cv,bc	bey	bc,bw	M	M	9	6	st-cu	st-cu	N.N.E.	N.	..	..	0	0	6-3	10								
141-6	5-9	bc	bc	bc,b	b	bz,bw	M	L	6	2	a-cu/cu	cu	W./N.	N.N.E.	..	..	0	0	10-3	11								
165-6	6-9	b	b	b	b	bw	K	L	1	3	st	cu	?	N.W.	..	..	0	0	10-5	12								
144-0	6-0	b	b	b,bc	b	b,bc	L	L	3	2	ci/cu	cu	W./N.E.	..	..	0-01	0	0	9-5	13								
122-4	5-1	cp	cjp	bc,c,o	ojp	oid	K	J	8	9	ci/ci-cu/st	cu-nb/st	/S.E.	S.E.	..	0-04	1	0	4-7	14								
266-4	11-1	oidd	ojp	o,c,bc	bcjp	bc,bc,op	K	L	9	4	ci-cu/st	cu/cu-nb	/E.	E.N.E.	..	0-04	1	0	7-0	15								
192-0	8-0	c,bc	bc	bc,cz	bcz	b,bc,c	K	K	4	4	a-st/cu	cu	E./-	N.	..	..	1	0	10-3	16								
120-0	5-0	bc,c	c	bc,c	cjp	orrqg	L	J	8	8	ci-st/st-cu	a-cu/a-st/cu-nb	/E.	N.W./N.	..	1-97	0	0	3-7	17								
225-6	9-4	orr	o	o	o	op,bc	M	M	9	9	a-st/st	cu-nb/nb	WNW./NW.	N.	..	0-07	2	2	0-2	18								
141-6	5-9	c,op	ojp	op,c,bc	c	c,or,id	J	L	10	8	st	st-cu	S.E.	N.E.	0-06	0-38	1	1	6-2	19								
194-4	8-1	orr	orr	orrq,id	o	oidc,bc,q,b	I	M	10	10	nb	st-cu	..	..	0-56	0-01	2	2	0-7	20								
122-4	5-1	bc,c,o	ojp	orq,p	op	op,c	J	H	9	9	st-cu/nb/st	cu-nb/st	W.	S.W.	0-33	0-04	2	2	0-2	21								
208-8	8-7	c,o	o	o,id	oid	c,bc,oid,c	L	I	10	10	a-st/st	nb/st	/-	E.	0-01	0-02	1	1	1-3	22								
91-2	3-8	bc,b	b	bc,c	c	bc,c,orr	L	L	2	7	a-cu/cu/st	cu/cu-nb	N.W./N.N.E.	N.	..	1-16	1	0	7-9	23								
187-2	7-8	op,c	o	c,bc,opp	o	op,c,bc	L	K	9	9	st-cu/nb	cu-nb	S.W.	N.W.	0-21	0-02	2	2	5-4	24								
144-0	6-0	bc	bc	bc,b,c	c	c,orqbc,b	L	K	4	7	ci/ci-cu/st-cu/cu	a-cu/st-cu/cu	WNW./NW.	N.W./N.W.	..	0-68	1	0	6-6	25								
280-8	11-7	c,orp,bc	c	c,oid	oid	o,c,b	K	H	8	10	a-cu/cu	nb/st	W./W.S.W.	S.S.W.	0-02	Trace	1	1	0-7	26								
104-8	8-5	b	b	b	b	b,c,bw	L	L	1	1	cu	cu	S.	S.	..	..	1	0	10-2	27								
182-4	7-6	b	b	b,bcv	bey	bey,bw	M	M	2	4	cu	cu	W.	W.XN.	..	..	0	0	10-0	28								
134-4	5-6	b	b	bv	bv	c,o,bew	M	M	1	2	cu	tr-cu/cu	S.	S.	..	..	0	0	9-5	29								
108-0	4-5	bc,b	b	b,bc,cv	cv	cv,bc,bw	M	M	3	8	st-cu/cu	st-cu/cu	W.S.W.	W./E.S.E.	..	..	0	0	7-5	30								
115-2	4-8	cbev	bey	c,bey	bey	bey,c,b	M	M	6	5	a-cu	st-cu/cu	S.W.	W.	..	0-12	0	0	7-8	31								
216-0	217-3	...	...	...	...	...	..	..	206	199	.....	.....	.....	.....	1-21	5-34	..	..	173-4	Total								
168-3	7-0	...	...	...	...	...	..	..	6-6	6-4	.....	.....	.....	.....	..	..	..	..	5-6	Mean								

WIND SUMMARY—No. OF OBSERVATION OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	3	25	3	1	12	7	1	0	1	0	2	0	0	0	0	2	0	1	1
2 p.m.	0	15	16	0	1	3	0	5	1	5	2	4	1	4	2	3	0	0	0	0
Total	0	18	41	3	2	15	7	6	1	6	2	6	1	4	2	3	2	0	1	1

Prevailing Direction, N.; 8h., N.; 14h., N.E. and E. Maximum velocity, 40 m.p.h. from S.S.W. at 2048 on 17th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

August, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	4-9	16-6	17	4-8	14-7
2	5-1	17-2	18	..	...
3	4-7	16-1	19	5-1	16-6
4	7-6	17-8	20	4-3	13-4
5	..	...	21	4-4	10-8
6	4-4	12-9	22	5-9	16-6
7	4-9	14-1	23	4-1	10-9
8	4-9	13-6	24	4-1	10-8
9	4-7	15-0	25	5-9	17-2
10	4-3	14-8	26	8-3	17-8
11	3-9	11-7	27	..	...
12	3-7	10-6	28	6-4	15-9
13	4-4	13-1	29	7-1	17-4
14	..	...	30	6-1	16-6
15	5-0	17-6	31	..	...
16	4-4	14-9	..	..	...
Totals	..	...	..	133-4	384-7
Means	..	...	..	5-1	14-8

WEATHER DIARY—AUGUST, 1939.

Date.

1. Overcast, with drizzle and rain to 0525, then becoming cloudy. Variable S.S.E. to S.W. winds, force 1-3 all day, but calm at times.
2. Overcast all day and occasional thin drizzle to about 1900. N'y airs 0045. Gentle S. squall 0608, falling off and veering W.N.W. Light to moderate S.S.W. to S.E. breeze all day after 0920.
3. Light to gentle S.E. winds early, overcast all day, with occasional very thin drizzle. Moderate to fresh breeze after 1000, gradually backing E'y falling off 2230.
4. Overcast all day with occasional thin drizzle to 1710, then intermittent drizzle and rain. Light variable winds to calm at first, then gentle to moderate E.N.E. to E.S.E. winds from 0810.
5. Overcast with intermittent drizzle and rain to 0700, then thin drizzle to 0810. Light to moderate variable E. to N.E. winds, mainly E.N.E., with fresh gusts 1200 to 1500. Mainly overcast all day and night, and occasional light showers, but bright intervals 1000 to 1250, and during late afternoon. Light N.N.E. winds 1700.
6. Light N.N.E. winds early, and cloudy to overcast with A-Cu predominating, and St. down to 1000 feet. Wind increased to force 4 0700 with fresh gusts, and sky gradually cleared to half cloudy, becoming cloudy again 1315. Variable sky at night. Wind backed N.N.W. force 3-4 1030, falling off 1415. Gentle S'y breeze 1435, gradually falling off 1515. Moderate S.W./W. breeze 1940.
7. Cloudy to overcast early, with occasional thin drizzle to 0330, and moderate to fresh W.S.W. breeze, backing S.S.W. after 0840, and sky becoming half cloudy. Variable sky at night and wind gradually falling off 2000. Maximum wind velocity 25 m.p.h. from W.S.W. at 0520.
8. Variable airs to calm early, fine, half to quarter cloudy and dew. Wind gradually backed S.E., force 2-3 after 1000 backing N.E'y 1700, falling off. Clear sky during afternoon and night, cloudless at times. Very pretty sunset. Dew about 2100.
9. N'y airs early, fine and half to quarter cloudy all day. Dew about 1930. Light to gentle N.E. breeze 0842, veering E, force 4, 1220, backing N.E. 1540, falling off to N.N.E. airs 1800.
10. N.N.E. airs early with gentle breeze 0655 to 0725. Fine but overcast, and unusual visibility, becoming half cloudy and cloudless at night with dew. Gentle to moderate E'y breeze 1100, backing N.E. 1600, gradually falling off.
11. Half cloudy early, with A-Cu predominating and light to gentle N.N.E. breeze, with moderate gusts 0350 to 0500. Red sky at sunrise. Quarter cloudy to cloudless during the day and night, hazy during the afternoon. Gentle to moderate N. to N.E. breeze after 0815 falling to light N.N.E. airs 2000. Dew at night.
12. Fine and clear to cloudless all day, and night, and heavy dew at night. N.N.E. breeze force 1/2 at first, increasing force 2/4, veering N.E. 1430, falling off 2040.
13. N.N.E. airs to calm early; fine and clear to half cloudy all day and night. W'y airs 0950, backing E.S.E. force 2/3, falling off 1715, backing N.N.E.
14. N'y airs to calm early, and cloudy. Showers 0720 to 0730. Light to gentle E.S.E. breeze to S.E./S. 0718, increasing force 3/5, with occasional strong gusts. Variable sky during the morning, overcast during afternoon and night, with very thin intermittent drizzle from 1630. Maximum wind velocity 27 m.p.h. from S.E. at 1447.
15. Gentle to fresh E.S.E. to E./N. winds early, falling to force 2/3 0415, increasing 0900 to force 3/5, falling off 1700. Overcast and intermittent drizzle to 0500, then gradually becoming half-cloudy. Showers to the West during the day. Quarter cloudy during the late afternoon, variable sky at night. Heavy shower 2355 to 2340.
16. E.N.E. to N. airs to calm early, fine and half cloudy. Slight haze during the day. Gentle to moderate breeze 0840, veering E. 1140, very gradually backing N.E., falling off 1820. Variable sky at night, cloudless at times during late afternoon.
17. Light N.N.E. winds early, fine and half to three-quarter cloudy. Gentle to moderate breeze after 0900, falling to force 2 1620, backing W.S.W. 1950 in squall and to S.S.W. 2054, and to S.S.E. 2 after 2120. Wind reached maximum of 40 m.p.h. (force 8) at 2058. Light to heavy rain from 1835.

Date.

18. Light to heavy rain to 0650, then overcast but fine and excellent visibility. St. clouds down to 800 feet on hills to N.W. to 0900. Threatening appearance of sky to S.W. during afternoon. Light to gentle variable winds N.N.E. to N.W. early, mainly N.N.E. after 0900, with occasional moderate gusts, falling off 1600. Light showers 1615 to 1730, sky becoming half cloudy 1030.
19. N.E. airs to calm early, cloudy to overcast and scattered showers to 0905, then variable sky. Overcast at night with rain 2000 to 2100, then thin intermittent drizzle. Gentle to fresh N.E'y breeze 1035, falling off after 1600 becoming variable, increasing again force 2/4 2040.
20. Gentle to moderate N.E. to N.N.E. breeze early, overcast and moderate rain 0550 to 1100, then intermittent drizzle to 1600, when sky gradually cleared. Very pretty sunset. Squally winds force 3/6 mainly N./E. 0810 to 1300, then light to gentle N.E. to N. breeze, with moderate squall force 4 2246. Maximum wind velocity 30 m.p.h. from N./E. at 1222.
21. Fine and half cloudy early, becoming overcast. Light N. to N.W. winds. Calm 0700. Rain 0818 to 0830 and 1030 to 1240, then light showers to 2000. Moderate to strong S.W. to S. breeze 1018, gradually falling off after 1630; backing S.E. 1900, becoming variable 2230. Maximum wind velocity 31 m.p.h. from S.S.W. at 1235.
22. N'y airs to calm early, fine but overcast and dull. Then intermittent drizzle 1200 to 1430 and 1830 to 2100. Half cloudy 1630, becoming overcast again 1710, commencing to clear 2300. Wind veered E'y 0935 force 1/2 backing E.N.E. 1420, becoming variable 1900.
23. Early morning fine, clear sky and N'y airs to calm. Light N.E. breeze 0735, gradually increasing force 4 from N.E., with fresh gusts, falling to force 2/3 1715. Variable sky during the day, gradually covering 1600. Rain 1935 to 2340.
24. Cloudy to overcast early. Light showers 0240 to 0300, 0840 to 0850, and 1605 to 1628. Heavy showers to 1250 to 1330. Mainly cloudy during the day but with bright intervals. Variable sky at night. Light N.N.E. winds at first, increasing force 2/4 1100, varying between E./S. and N.N.E. Rainbow 1530.
25. Early morning fine, half cloudy and N.N.E. airs to calm. Wind increased 0820 to force 4, N.N.W. with fresh to strong gusts, backing S.W. 1235, falling to force 3/4 1340. Fresh squalls 1640 to 1700, then wind veered N. variable force 1/2. Sky gradually covered 1300. Heavy showers 1645 to 1715, then sky cleared. Pretty sunset. Maximum wind velocity 28 m.p.h. from S.W./W. at 1248.
26. Overcast and moderate to heavy showers 0205 to 0500, then half to 3/4 cloudy, gradually becoming overcast 0830. Gentle to fresh S.S.W. breeze 0100, veering W.S.W'y 0612 force 3/4, increasing force 3/5 1130, backing S.S.W., veering S.W. variable 1420, and to W'y force 3 1818. Thin intermittent drizzle 1200 to 1420. Sky cleared 2150. Maximum wind velocity 23 m.p.h. at 1258.
27. Fine and clear sky all day, becoming cloudless at sunset, but cloudy with A-Cu 2130 to 2200. Dew at night. N.N.W. to N.W. airs early, with gentle W'y 0420 to 0608, backing S./W. increasing force 4 1048, veering S.W. 1645, to W.S.W. 1848, falling off 1848, veering N'y airs 1920. Very pretty sunset.
28. N'y airs to calm early, fine all day and night, and clear to part cloudy sky, cloudless at times and unusual visibility during the afternoon. Dew at night. Variable W.S.W. to S.S.W. airs 0952. Light to gentle S'y 1312, backing S.S.E. 1, 1748, veering S.S.W. 3 1835, veering N. 1/2 1935.
29. N'y airs force 1/2 early, fine and clear sky and unusual visibility. Variable sky after 1530, becoming overcast 1730 clearing 2000. Light S'y breeze 1042, gentle breeze 1335 to 1600, then backing S.E. force 1/2, becoming variable and backing N'y 2050. Dew at night.
30. N'y winds force 1/2 early, fine all day, variable sky and unusual visibility. Light S'y breeze 0940, backing S.E. falling off 1520. N.E./N. airs 1903. Dew at night.
31. N'y airs to calm early, fine and cloudy with A-Cu, and unusual visibility. Variable sky during the day, clearing about 1810. Light N.N.E. breeze 0810, backing S.S.W. to S. 1120 force 2/3, falling off 1500, backing N.N.E. and to N'y 1914.

ADDITIONAL NOTES.

Except for wet spells from 4th to 5th, and 17th to 25th, the month was generally fine and bright.

Rainfall was deficient by 1.55"; mean temperature 0.7° above normal, and mean pressure at 8 a.m. 0.086" below the average.

On the 17th, the wind reached gale force in a squall from S.S.W.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
SEPTEMBER, 1939.

SEPTEMBER.

Wind. Miles run for pre- vious 24 hours.	Wind. Mean velo- city.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and tenths).	Da								
		Before Obser- tion.	At time of Obser- tion.	Between Obser- tion hours.	At time of Obser- tion.	After Obser- tion.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.	I	II										
		I	I	I and II	II	II			I	II	I	II	I	II														
		(29)	(30)	(31)	(32)	(33)																						
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	44	45	(46)									
132-0	5-5	c,oid,dr	odr	odr,idqz	oidz	oidzq,c,bc	G	I	10	10	st	a-st/st	W.	?/sw	0-01	Trace	1	1	1-7									
432-0	18-0	bcq	bc	bc,b	by	bc,c,o	L	L	4	3	st-cu/cu	cu	S.S.W.	W.	..	..	0	0	9-4									
177-6	7-4	c	e	c,bc,o	bey	c,o	L	L	7	6	st-cu	st-cu	..	E.S.E.	..	..	0	0	6-6									
115-2	4-8	o,c	e	bc,c,opo	c	bc,c,o	L	M	8	7	a-st/st-cu	st-cu/cu-nb	—/N.E.	N.N.E.	0-01	..	0	0	4-7									
110-4	4-6	o,c,bc	o	o,c,bc	bey	bc,c,pc	L	M	9	6	st-cu	a-cu/cu	E.S.E.	N.W./E.	Trace	Trace	0	0	7-2									
148-8	6-2	c,bc	b	b,bc,c	c	bc,b,c	L	M	2	7	ci/cu	ci/cu	N.W./E.	W/ESE	..	..	0	0	9-3									
165-6	6-9	c,bc	bc	bc,c	cjp	bep,cPo	L	M	5	7	st-cu	cu/cu-nb	E.S.E.	S.S.E.	..	0-17	0	0	8-3									
230-4	9-6	cop	ojp	op,c	cjp	op,c	L	K	9	8	a-cu/cu/nb/st	st-cu/cu-nb	WNW/E	E.	0-02	1-19	1	1	0-3									
204-8	8-5	orrd	odd	odd,cporR	oRR	oRr,c,bc	H	G	10	10	st	st	E.N.E.	E.	0-53	2-52	2	2	0-1									
187-2	7-8	c,bc	bc	bc,b	by	b,bc,cp	L	M	5	3	st-cu/cu	cu	E.	E.	..	0-78	2	1	9-2									
177-0	7-4	orR,cp	cp	c,bc	bey	bc,cp,b	K	L	7	5	cu/cu-nb	cu	E.N.E.	EXN	Trace	Trace	2	1	8-2									
180-0	7-5	b	b	b,bcz	bey	bcz,bw	K	K	2	4	st-cu/cu	cu	N.E.	N.N.E.	..	..	1	0	10-1									
141-6	5-9	bz	bz	bz	bz	bzw	K	J	1	2	cu	ci/cu	N.	?/—	..	..	0	0	10-9									
132-0	5-5	b,bc	bc	b,bcjp	bcjp	cp,o	K	L	5	6	ci/cu	cu/cu-nb	?/S.E.	S.E.	..	0-01	0	0	7-1									
285-6	11-9	c,o	o	c,oid	ojp	o,c	K	J	9	9	cu/cu-nb	cu/cu-nb	S.E.	S.E.	Trace	Trace	0	0	1-1									
244-8	10-2	bc,c,o	ojp	o,c	oy	o,c,bc	L	L	9	7	st-cu/nb	cu-nb	E.S.E.	E.S.E.	..	0-04	0	0	1-7									
187-2	7-8	op	o	o,c,bc	cy	c,op	L	L	9	7	cu-nb	cu-nb	N.	E.S.E.	..	0-10	1	0	2-6									
105-6	4-4	op	ojp	c,op	op	oidrq	J	H	10	10	a-st/nb	a-st/cu-nb/st	?/E.S.E.	?/S.E.	0-02	0-25	1	1	0-4									
172-8	7-2	oid,c	c	o,c,bc	c	c,o	L	L	8	7	ci/st-cu/cu	st-cu/cu	—S.E.	S.E.	..	0-02	1	0	2-4									
168-0	7-0	op,c,bc	cy	o,c,bc	cy	c,bc,bw	L	L	7	7	st-cu	a-cu/st-cu	E.	ENE/ESE	..	..	0	0	6-1									
256-8	10-7	c,bc,b	b	b,bc,b	c	c,op	L	L	2	8	cu	st-cu/cu-nb	..	E.N.E.	..	0-06	0	0	6-5									
153-6	6-4	op,c,bc	bc	c,bc,b	bc	c,bc,bw	M	M	5	5	st-cu	a-cu/cu/cu-nb	N.E.	W/ENE	..	..	1	0	8-5									
139-2	5-8	b	b	b,bc	bc	bc,c	L	L	2	4	st-cu	ci-st/cu	E.N.E.	?/ENE	..	..	0	0	9-1									
156-0	6-5	bc,b	bc	b,bc,b	bc	bc,b	L	L	4	6	ci	st-cu/cu	W.	N.W.	..	0-08	0	0	9-8									
108-0	4-5	bc,c,oid	o	o,c	od	oidrq	K	I	9	9	a-st/cu	a-st/nb/st	SW/NW	W.S.W.	Trace	0-40	0	0	1-3									
194-4	8-1	oidr	o	oid	ojp	oidq	K	J	10	10	nb/st	nb/st	S.W.	S.	0-02	0-02	1	1	0-0									
244-8	10-2	oid	oid	oidc	c	c,o	L	M	9	8	a-st/nb	a-cu-lent	—/S.	W.N.W.	Trace	Trace	1	0	1-6									
112-8	4-7	c,o	c	c,o	o	o,c	L	K	8	9	a-cu/st-cu	a-cu/cu-nb	W/W	W/NE	..	Trace	0	0	2-8									
151-2	6-3	o,c	o	o,c,bc	bc	c,bc,b	K	L	9	4	a-cu/st	ci-cu/cu	WNW/SNE	NW/—	..	..	0	0	5-2									
144-0	6-0	b,bc	bc	bc,c	c	bcz,b,c	K	K	6	8	ci-cu/cu	a-cu/cu	WNW/NE	SW/NE	..	..	0	0	9-4									
360-0	223-3	....	...	....	...	....	..	..	200	202	.....	.....	.....	.....	0-61	5-64	..	..	161-6	Tot								
178-7	7-4	...	...	....	...	....	..	..	6-7	6-7	.....	.....	.....	.....	..	..	..	..	5-4	Me								

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	4	24	2	1	7	1	4	1	2	3	2	2	1	0	1	0	1	0	2
2 p.m.	0	18	12	0	0	0	0	2	4	6	7	5	1	3	1	1	0	0	0	0
Total	0	22	36	2	1	7	1	6	5	8	10	7	3	4	1	2	0	1	0	2

Prevailing Direction, E.S.E.; 8h., N.; 14h., E.S.E.; Maximum Wind Velocity, 36 m.p.h. from S.W. at 1526 on 1st.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

SEPTEMBER, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	6-3	16-6	16	9-1	18-5
2	7-6	23-2	17	6-6	17-0
3	5-5	13-6	18	5-4	15-1
4	..	..	19	5-0	14-2
5	..	..	20	5-3	15-0
6	6-1	16-4	21	4-8	13-1
7	..	..	22	..	..
8	8-8	15-4	23	6-6	16-7
9	7-2	17-8	24	6-9	17-8
10	6-9	16-1	25	4-9	12-2
11	6-0	15-1	26	6-2	18-6
12	7-2	13-6	27	5-4	14-5
13	7-0	16-6	28	5-3	14-2
14	8-2	17-8	29	5-0	14-0
15	..	..	30	4-0	12-1
Totals	..	..	..	157-3	395-2
Means	..	..	..	6-3	15-8

WEATHER DIARY—SEPTEMBER, 1939.

Date.

1. Fine and N'ly airs at first, backing N. variable, 0320, becoming overcast with thin intermittent drizzle. Drizzle and rain 0700 to 0815. Moderate breeze 0630, falling off 0730 to variable W. to N.W. force 1/3, backing S.W'ly 1102, increasing force 5/7 1248, backing S.S.W. 1725. Mainly cloudy to overcast all day, with occasional very thin drizzle, and hazy, to about 2000 then sky gradually cleared. Maximum wind velocity 36 m.p.h. from S.W. at 1256.
2. Moderate to strong S.S.W. breeze at first, falling to force 3 after 0600, veering S.W. 0700, and to S'ly 0740, backing S.E. after 1500, falling to force 2 backing N'ly 2348. Fine and half to quarter cloudy during the day, cloudy to overcast at night. Maximum wind velocity 30 m.p.h. from S.S.W. at 0048.
3. N'ly winds force 1/2 early, backing S.E. force 2/3 1000, falling off 1800, backing N'ly. Variable sky all day, but mainly cloudy to overcast.
4. Cloudy to overcast early and at night. Variable sky 1230 to 1930. Light showers at 0830 and 1040 to 1110. N'ly airs at first, veering E.S.E. 0820 force 2/4, backing N'ly 0900, falling off 1050. Light to gentle E.S.E. to E.N.E. breeze 1222, falling off 1720, backing N.N.E.
5. Fine and cloudy to overcast early, and N'ly airs to calm, backing N.W'ly force 1/2 0715. Gentle to moderate E'ly breeze 1013, gradually falling off after 1400, veering E.S.E., backing N.N.E. after 1800, becoming variable N.N.E. to N.W. 2310. Sky gradually cleared 1330. Cloudless at times during the night, Zodiacal light 1900. Trace rain 2210.
6. N'ly airs to calm early, and clear sky. Light to gentle E./S. to E.S.E. breeze 0320, increasing force 3/4 0940, falling to force 2/3 1642. Variable sky all day and night with Ci predominating at times. Pretty sunset. Zodiacal light 1910.
7. Fine and variable sky all day, mainly half cloudy. Light E.S.E. breeze at first, backing N. 1, 0210, increasing force 2/3 from E.S.E. 0725 becoming variable S.E. 0835, with moderate gusts after 1120. Light showers 1855 to 1905. Heavy shower 2350 to 2400.
8. Cloudy to overcast all day. Light showers to 0020, moderate showers 0620 to 0640, then occasional showers to 1635. Moderate E.S.E. breeze with some fresh to strong gusts, very gradually backing E.N.E., moderating 1600, falling off 2100, backing N.N.E. Maximum wind velocity 30 m.p.h. from E.S.E. at 1139.
9. Mainly overcast all day, but cloudy at times. Moderate rain to about 0500, then drizzle to 0900, then intermittent drizzle, increasing to moderate to heavy rain 1320 to 2100. Gusty light to moderate variable winds mainly E. to N.N.E. all day. Moderate E.S.E. breeze 2230.
10. Fine and half cloudy early and moderate E.S.E. breeze with occasional fresh gusts, gradually backing E./N. falling off after 1600, backing N.N.E., becoming variable 2308. Variable sky all day, mainly half cloudy to clear. Cloudy with light showers 2310 to 2345.
11. Light to gentle N.E'ly winds early, overcast and light to heavy rain 0215 to 0400, then cloudy and light showers to 0800. Rainbow 0750. Fine and mainly half cloudy all day, mainly clear sky at night. Trace rain 1910. Wind increased force 4 with fresh gusts 0900, N.E. to E./N., falling off 1700, backing N.N.E. Maximum wind velocity 26 m.p.h. from E.N.E. at 1224.
12. N.E. to N.N.E. winds force 1/2 early, fine and clear to part cloudy sky all day. Light haze during the afternoon. Wind increased force 2/4 0810, falling off 1700, backing N.N.E. Dew at night.
13. N'ly airs to calm early, fine clear sky and slight haze all day, cloudless at times. Light N.N.E. breeze 0820, veering E. force 2/3 1000, falling off 1600, backing N.N.E. Dew at night.
14. Fine and half cloudy early, and N'ly airs to calm. Light to gentle S.S.E. breeze 0720, increasing force 3/5 with some strong gusts, 1045, gradually backing S.E., and sky becoming cloudy to overcast 1430. Shower 1450 to 1500. Maximum wind velocity 26 m.p.h. from S./E. at 1507.
15. Gentle to fresh S.E. to E.S.E. breeze all day, with some strong gusts. Mainly fine and cloudy to overcast. Occasional very thin drizzle 1100 to 1230 (trace only). Maximum wind velocity 26 m.p.h. from S.E./E. at 1444.

Date.

16. Moderate E.S.E. to E. breeze early, gradually falling to force 1/2, and variable sky. Red sunrise. Trace rain 0810. Gentle to moderate breeze from 0840, mainly E.S.E. and mainly overcast. Variable sky at night.
17. Overcast early and S.E. breeze, becoming variable, force 1 0440, and light showers to 0700. Mainly cloudy to overcast all day, but bright intervals between 1100 and 1500. Light variable S'ly breeze 1200, gentle S.E. to E.S.E. breeze 1335 becoming variable N. to N.W'ly force 1/2 1826. Light showers 1800 to 2130.
18. Variable N.E. to W.N.W. winds force 1/2 early, cloudy to overcast and light scattered showers to 0835 and 1358 to 1610. Intermittent rain and drizzle from 1700. Light S'ly breeze 0940, backing E.S.E. 3 1220, falling off after 1900, fresh S'ly squall 2305 to 2310.
19. Overcast and intermittent drizzle to 0220 then fine and cloudy to overcast, with bright intervals 1130 to 1350. Gentle to fresh S.S.E. breeze all day gradually backing E.S.E.
20. Cloudy to overcast early, and gentle to fresh E.S.E. breeze gradually falling off after 1220, backing N'ly 2030. Shower 0400 to 0415, then cloudy to half cloudy. Pretty sunset. Mainly clear sky at night and dew.
21. N'ly winds to calm early, and variable sky, mainly clear, becoming cloudy 1300 and cloudy to overcast 1500. Light showers from 1910. Gentle N.E'ly breeze 0842 increasing to moderate E.N.E. 1050 with fresh gusts, falling off 1600, becoming variable N'ly 1900.
22. Light showers to 0010, then fine and variable sky, mainly cloudy. N.N.E. to N. airs to calm, increasing force 2/4 after 0830; E. to E.N.E., falling off 1600 to N'ly airs. Half cloudy during the day; cloudy afternoon; clear sky at night and dew.
23. N'ly airs to calm early, fine and clear sky. Half cloudy during the day, variable sky at night. Light to gentle N.E'ly breeze 0815, increasing force 3/4 1140, veering E'ly 1240, falling off 1652, backing N.N.E.
24. Fine and mainly clear sky all day, and night, but half to three-quarter cloudy at times, N'ly airs to calm early and after 1905. Lunar corona 0010. Wind backed N.N.W. force 2/3 0818, becoming gusty force 2/4 0955, backing S.S.W'ly 1216, force 3 gradually falling off after 1600. Calm 1800 to 1910.
25. N. to N.W. winds force 0/2 early, veering N.N.E. 0745, overcast and intermittent drizzle 0500 to 0730, mainly overcast all day, but cloudy at times. S'ly airs 1110, increasing force 2/3 1328, becoming squally 1425. Light to gentle breeze after 1538, veering W.S.W. after 2030. Trace rain 1202. Intermittent rain and drizzle from 1400. Maximum wind velocity 26 m.p.h. from S.S.W. at 1440.
26. Intermittent drizzle and rain to 0500. Overcast all day and night. Light to gentle W.S.W. to S.S.W. breeze early, becoming gentle to fresh 1000, varying between W.S.W. and S. Light to gentle W'ly breeze 2000. Drizzle 1015 to 1030, and 1950 to 2000, and occasional very thin drizzle at times. Maximum wind velocity 26 m.p.h. from S.x.W. at 1530.
27. Variable winds early force 1/3. Cloudy to overcast all day and night. Light N.E. breeze 1012, veering S. force 2/3 1120, gradually falling off 1500, backing S.E. 1700, and to N'ly 2155. Very thin intermittent drizzle 0450 to 0810.
28. N'ly airs to calm early. Fine, and cloudy to overcast all day. Gentle to moderate breeze after 0900, varying between S.E. and N.E., falling to force 2 1700 to N'ly airs 2320. Trace rain 1640 and 2030.
29. Cloudy to overcast early, and variable Northerlies force 0/2. Wind backed E.S.E. force 4 1145, and sky cleared to half cloudy, very gradually backing N.E. and falling off. Cloudy during the late afternoon, becoming half to quarter cloudy later.
30. Variable sky all day, and mainly half-cloudy. N.E. airs early, increasing to force 4 1000. Gradually falling off after 1612. Zodiacal light 1910. Hazy afternoon.

ADDITIONAL NOTES.

Except for moderate to heavy rain from 7th to 9th, the month was mainly fine and bright.
 Rainfall showed a deficiency of 1.45" and mean temperature 0.3°. Mean pressure at 8 a.m. was 0.008" above normal.
 High winds from S.W. occurred on the afternoon of the 1st.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
OCTOBER, 1939.

OCTOBER.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sun's line (hours and tenths).	Day.						
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.													
		I	I	I and II	II	II			I	II	I	II	I	II												
		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)						
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)							
..	..	c, bc	bc	bc, z	bcz	bcz, ctp, b	K	J	6	4	cu	cu	N.E.	N.E.	..	Trace	0	0	9-1	1						
..	..	c, bc	bcz	bcz	bz	bz, w	K	J	5	3	st-cu/cu	ci-cu	N.E.	SW/E	..	..	0	0	10-0	2						
..	..	b, bc, c	c	bc, b	b	bc, b	K	K	7	2	st-cu	cu	N.E.	E.S.E.	..	..	0	0	10-3	3						
..	..	bc, c, o	o	o	o	od, c	K	K	10	10	a-st/nb	a-st/cu	—/ENE	?/E	..	Trace	0	0	0-2	4						
..	..	o, c	o	c, od	o	o	K	K	9	10	ci-st/a-cu/cu/nb	a-st/cu-nb/nb/st	?/WNW/ENE	?/NE	Trace	0-07	0	0	0-7	5						
..	..	oid	oid	oid, dd	odd	odd, c	K	J	10	10	a-st/cu-nb/st	a-st/st	WNW/N	?/NW	0-07	0-10	1	1	0-0	6						
..	..	c, bc, b	b	b	b	b, c, o, bc	M	M	1	2	cu	ci-cu	?	S.S.W.	..	Trace	1	0	8-8	7						
..	..	c, bc	bc	bc, c, op	oid	oid, c	M	K	5	10	ci-cu/cu	st	NW/NE	N.E.	0-09	0-63	0	1	3-1	8						
..	..	e, orr	or	oid	oid	oid, c	F	G	10	10	st	nb/st	W.S.W.	S.S.E.	0-04	0-12	1	1	0-3	9						
..	..	odr, c, bc	c	c, odr	cjz	cz, odr	M	J	7	8	a-cu/cu-nb	a-cu/cu-nb	W/E	NW/ENE	0-14	1-37	1	1	3-8	10						
..	..	opP, c	op	olP, c, bc	c	c, od, bc	H	K	9	8	cu-nb/st	ci/cu/cu-nb	N.E.	NW/NE	1-45	0-03	2	2	2-1	11						
..	..	bc, b	b	b	b	bc, c, o	M	M	3	3	a-cu/cu	cu/cu-nb	—/SSE	N.W.	..	0-02	1	0	7-5	12						
..	..	o, cp	c	bc, c	c	c, oid	K	M	8	7	a-cu/cu/cu-nb	a-cu/cu/cu-nb	NW/WSW	NW/ESE	..	0-04	1	0	6-3	13						
..	..	c, oid	o	c, oid	o	oidr	L	K	9	10	a-st/cu-nb	a-st/nb	WNW/SE	—/S.	0-01	0-49	1	1	0-8	14						
..	..	oidr, d	oid	oid, c	o	oir	I	M	9	9	nb/st	a-cu/st-cu/cu-nb	S.E.	WNW/—	Trace	0-56	2	1	0-9	15						
..	..	c, op	cjz	c, olP	cjz	cp, op	J	K	8	7	a-cu/cu-nb	cu/cu-nb	WNW/E	EXS	0-15	0-56	2	1	5-3	16						
..	..	op, c, bcp	cp	cp, bc	c	c, bc, bw	J	K	8	7	cu-nb	cu/cu-nb	E.	E.	Trace	..	2	1	7-1	17						
..	..	b	b	b, bc	by	bw	M	L	2	3	cu	cu	E.N.E.	N.E.	..	..	0	0	11-3	18						
..	..	b	b	b	b	bc, c, o	L	K	2	3	cu	cu	N.E.	E.N.E.	..	..	0	0	9-7	19						
..	..	o, c, bc	cjz	c, bc	c	c, ord	K	L	8	7	ci/cu/cu-nb	a-cu/cu/cu-nb	SW/NE	W/SE	..	1-05	0	0	4-8	20						
..	..	ord	c	bc, c, od	od	odd, id	J	H	7	10	cu/cu-nb	nb/st	S.E.	S.E.	0-01	0-10	2	1	2-4	21						
..	..	op	o	o	oid	oid	M	L	9	10	cu-nb	cu-nb	S.E.	E.S.E.	Trace	0-01	1	0	1-1	22						
..	..	o	o	c, o	o	o, c, bc	M	M	9	9	ci-st/st-cu	ci-st/st-cu	?/WNW	?/WNW	..	..	0	0	2-7	23						
..	..	bc, c	c	c, bc	bey	bey, c, o	M	L	7	6	ci-st/cu/st-cu	ci-st/cu/cu-nb	?/E	?/ESE	..	..	0	0	7-4	24						
..	..	o	o	oid	oid	oid	M	M	9	10	a-st	a-st/st-cu	E.	?/ESE	..	0-02	0	0	0-0	25						
..	..	op	op	c, op	op	op	I	K	9	10	cu-nb/nb	cu-nb/nb	E.S.E.	E.N.E.	0-08	0-02	0	0	2-3	26						
..	..	c, bc	c	c, o	oy	o, bc, cp	L	L	8	9	a-cu/cu	st-cu/cu	WSW/ENE	W/E	..	0-01	0	0	4-1	27						
..	..	c, o	oz	oz	o	oP	K	K	10	10	a-st/cu/cu-nb	cu-nb	?/ENE	.....	..	0-19	0	0	0-7	28						
..	..	op	ojp	op	ojp	o	K	L	10	10	cu-nb/nb	a-st/nb	E.	—/E	0-11	..	1	1	0-0	29						
..	..	o, c, bc	bey	bey, c, o	o	o, c, bc, or	M	M	5	9	a-cu-lent/cu	a-cu/cu/cu-nb	—/E	—/E	..	0-92	0	0	6-6	30						
..	..	or, ir	oir	oir, d, c	cjz	o	H	L	10	8	nb/st	a-cu-lent/cu/cu-nb	N.E.	SW/E	0-08	0-09	1	1	0-1	31						
..	..	..	..	..	..	..	..	..	229	234	..	..	..	..	2-23	6-40	..	..	129-5	Tot						
..	..	..	..	..	..	..	..	..	7-4	7-5	..	..	..	..	..	..	..	..	4-2	Mea						

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	3	24	4	0	1	2	6	3	4	1	4	0	0	1	1	0	1	2	1
2 p.m.	0	14	17	0	0	0	1	3	1	9	9	4	2	1	1	0	0	0	0	0
Total	0	17	41	4	0	1	3	9	4	13	10	8	2	1	2	1	0	1	2	1

Prevailing direction, E.; 8., N.E.; 14h., E. and E.S.E. Maximum wind velocity, 27 m.p.h. from E.xS. at 1110 on 17th.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

OCTOBER, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	4-9	16-0	17	5-9	15-0
2	4-6	17-2	18	4-9	17-8
3	5-0	16-6	19	3-6	15-2
4	..	..	20	5-0	13-6
5	4-6	17-2	21	..	..
6	8-6	20-2	22	..	..
7	4-4	13-3	23	6-2	19-0
8	5-2	16-6	24	5-1	17-8
9	9-5	19-3	25	6-6	19-0
10	4-3	11-5	26	6-1	16-9
11	4-8	13-6	27	6-0	17-6
12	4-6	15-0	28	6-6	16-2
13	7-1	17-8	29	..	..
14	4-3	13-3	30	6-3	27-3
15	5-9	16-0	31	6-1	15-0
16	5-3	16-0	..	..	..
Totals	..	..	..	151-5	450-0
Means	..	..	..	5-6	16-7

WEATHER DIARY—OCTOBER, 1939.

Date.

1. N. to N.E. winds force 1/3 early, fine and half cloudy, increasing force 4, falling off 1640 backing N'ly. Calm 2015. Anvil cloud to W. 1400. Cloudy and moderate thunderstorm to N.W. 1600 to 1730 and very light showers 1700 to 1930, then sky cleared.
2. Calm early; fine and half cloudy all day, and slight haze. Light N.E'ly breeze 0640, increasing force 4 veering E., falling off 1600, backing N.N.E. Calm 2300. Clear sky at night and dew.
3. Fine and clear to half cloudy all day, cloudless at times at night. N'ly airs to calm at first, veering E. force 4 0850, falling off 1700, backing to N'ly airs to calm.
4. N'ly airs to calm early, veering N.E'ly 0545. Fine but overcast all day and night, except for very thin drizzle (trace only) between 1730 and 1830. Light to gentle E.N.E. to E.S.E. breeze during the day, backing N'ly 1925.
5. Cloudy to overcast early and N'ly airs to calm to 0325. Overcast all day from 0800. Trace rain 1305. Drizzle 1845 to 1915. Light to gentle variable winds between N.E. and S.S.E. during the day. N.N.E. to N. airs to calm after 1530.
6. Overcast and intermittent drizzle from 0500. N'ly airs at first; light to gentle variable winds between S. and W. from 0200 with fresh squalls 0900 to 1130, then falling off backing E.N.E. by 1600 and to N.E. airs 1810. Moderate drizzle 1145 to 1630 then overcast to cloudy. Maximum wind velocity 24 m.p.h. from W.S.W. at 1112.
7. Early morning fine, clear sky, and N'ly airs to calm, backing W.N.W. 0706 and to S.S.W. force 1/3 after 0930, very gradually backing S.S.E. and falling off, backing N.E'ly 1955. Variable sky after 1500, overcast at times.
8. N.E. airs to calm early and cloudy. Trace rain 0030. Light N.E. breeze 0700 and half cloudy, wind gradually increasing force 3/4, veering E'ly 1000, falling off 1300, becoming variable 1450. N.E. airs to calm 1810. Cloudy to overcast 1140 and light showers. Moderate intermittent drizzle 1315 to 1700.
9. N'ly airs to calm at first and cloudy. Overcast 0520 with light rain, and poor visibility, to 0810 then intermittent drizzle to 0500. W'ly breeze force 3/4 0520, rapidly backing S'ly 0805 then very gradually backing S.E.
10. Light to S.E. to S.S.E. breeze at first, variable airs to calm 0300. Drizzle and rain 0145 to 0250, then fine and cloudy to half cloudy, becoming cloudy to overcast 0930. Drizzle and rain 1030 to 1115, 1508 and 2130 to 2140. Hazy conditions during the afternoon. Gentle to moderate E. to N.E. winds from 1125.
11. Cloudy to overcast and light to heavy showers 0020 to 1230 then fine and cloudy to half cloudy. Distant thunder 1415 to 1445. Overcast and drizzle 1715 to 1915 then variable sky. Light to gentle N.E. to N. winds at first, veering N.E. force 3.5, gusty, gradually falling off 1515.
12. Fine and part cloudy early and light N.N.E. winds, increasing force 3 after 0600 and to force 4 from N.E. 1015, gradually falling off 1515, and sky covering. Threatening appearance of sky to W. 1515 to 1630.
13. Cloudy to overcast early. Light variable W'ly winds 0355, increasing force 3 0750, backing S'ly and to S.E'ly force 2/3 0900. Showers 0745 to 0755, then fine and cloudy to half cloudy. N'ly airs after 1730. Cloudy to overcast 1530. Intermittent drizzle 1735 to 2300.
14. Cloudy to overcast early and N'ly airs to calm. Light W.N.W. breeze 0725. Very thin intermittent drizzle 0540 to 0700. Intermittent drizzle and rain from 1250. Wind gradually backed S.E'ly increasing force 3/4, falling off 1930, becoming variable 2040.
15. Light variable winds to calm early, overcast with intermittent drizzle and rain to 0100, then very thin intermittent drizzle to about 0830. Gentle to moderate S.E.xE. breeze 0650 with fresh gusts, backing N.N.E. by 1300 force 1/2, veering S.E'ly after 1435, increasing force 3/4 1640. Cloudy 1200 to 1330, then overcast. Intermittent rain 1640 to 2310. Maximum wind velocity 25 m.p.h. from E.S.E. to 0920.

Date.

16. Cloudy to overcast early. Light shower 0635. Variable airs 0230. Light to gentle E.S.E. breeze 0540 increasing force 4 with some fresh gusts. Variable sky all day, mainly cloudy. Heavy showers 1010 to 1115, light showers 1550 to 1610. Showers from 2015. Maximum wind velocity 26 m.p.h. from E.S.E. at 1602.
17. Moderate E.S.E. to E. breeze with fresh to strong gusts backing N.E. after 1630 falling off. Variable sky all day, clearing towards evening. Showers to 0240 and 0618 to 0815. Dew at night. Maximum wind velocity 27 m.p.h. from E.xS. at 1110.
18. Fine and clear to half cloudy sky all day, cloudless at times at night and dew. N'ly airs to calm early veering E'ly force 3/4, falling off 1600 backing N.N.E.
19. Fine and clear sky early and N'ly airs to calm, becoming cloudy about 1600. Wind veered E.S.E. 0920 force 3, and to S.E. 2, 1620.
20. S.E. airs early and cloudy, backing N'ly 0250 and to N.W. 0755, becoming variable 0810. Gentle to moderate S.E. breeze 0952, very gradually backing E.S.E., and to N'ly force 2, 2125. Variable sky during the day, mainly cloudy, and overcast at night. Moderate rain and drizzle 2320. N.N.W. breeze 2250.
21. Moderate rain and drizzle to 0530 and variable winds 0/2. Light S.E. breeze 0725, increasing force 4 with some fresh gusts 1230 to 1905. Mainly overcast all day and night. Thin intermittent drizzle 1350 to 1430 and 2330 to 2400. Moderate drizzle 1710 to 1910.
22. Overcast all day. Light variable winds early. Rainbow 0650. Showers 0550 to 0730. Light to moderate S.E.xE. breeze 0725 falling off 1800, backing and becoming variable. Thin intermittent drizzle 1840 to 1930.
23. Variable N. to N.E. winds force 1/2 early. Light to gentle E.S.E. breeze from 0755, falling to force 1 2225, backing N'ly 2308. Fine all day but cloudy to overcast, becoming half cloudy about 2030.
24. Light to gentle E.S.E. to E. breeze 0050, fine and half to three-quarter cloudy. Overcast night. Gentle to moderate breeze after 1000.
25. Gentle to moderate E'ly breeze at first, gradually falling off and becoming variable. Light to gentle E'ly breeze 0650. Fine but overcast and dull all day. Very thin intermittent drizzle (trace only) 1845 to 1930. Moderate E.S.E. gusts 1845, then wind gradually backed N.E'ly force 1/2.
26. N'ly airs to calm early and overcast. Showers 0615 to 0810. Bright intervals 0900 to 1150, then cloudy to overcast showers to 1440, and 2005 to 2020. Gentle to moderate E. to N.E. breeze after 1900, falling off 2100.
27. N'ly airs to calm early, fine and half cloudy, becoming cloudy to overcast 0750. Variable sky after 1600. Cloudy and light showers 2130 to 2140. Wind increased force 3/4 from E.N.E. 0600, veering E'ly, falling to force 2 1710 and to N.E'ly force 1 2140. Lunar corona 1950.
28. Fine but overcast all day and slight haze. N.E'ly airs to calm early. Gentle E.N.E. breeze 0710, increasing force 4. Light to gentle breeze after 1300, backing N.E'ly 2120. Heavy showers 2250 to 2340.
29. Overcast all day. Variable E. to N.N.E. winds force 1/3 early. Gentle to moderate E.S.E. to E. breeze 0908, falling to force 3 1615. Light showers 0150 to 0215. Light to moderate showers 0830 to 0910 and 1150 to 1215.
30. Gentle to moderate E.S.E. to E. breeze all day, with momentary change to N.E'ly 2050 to 2140. Fine and half cloudy early, becoming overcast 1230. Variable sky 1700 to 1845, then overcast and moderate to light rain 2030 to 2230.
31. Overcast all day except from 1350 to 1430. Light to moderate rain 0220 to 0500. Intermittent rain 0745 to 0915. Drizzle 1230 to 1300. Gentle E'ly breeze early falling off 0250, becoming variable N.W. to N.E. Gentle to moderate E'ly breeze 0950.

ADDITIONAL NOTES.

A normal month. A moderately wet spell occurred from 8th to 16th, otherwise the month was generally fine and cloudy except on 21st and 29th to 30th when fairly heavy showers occurred.

Mean pressure at 8a. m. was 0.011" below normal; mean temperature 0.6° above normal; rainfall 0.42 "below the average.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
NOVEMBER, 1939.

NOVEMBER.

Wind. Miles run for previous 24 hours.	Wind. Mean velocity.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and tenths).				
		Before Observation.	At time of Observation.	Between Observation hours.	At time of Observation.	After Observation.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.							
									I	II	I	II	I	II			I	II					
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)		(39)		(40)		(41)		(42)	(43)	44	45	(46)
..	..	oid	oid	oid,jp	ojp	o	H	M	10	10	nb/st	nb/st	E.	E.S.E.	0-01	Trace	1	1	0-0	..	..	..	..
..	..	o	ojp	o	ojp	oid	L	K	9	10	st-cu/cu-nb	a-st/nb/st	N.E.	E.	..	0-37	1	0	0-0	..	..	..	..
..	..	oidDr	oiD	orr	orr	oidr	G	G	10	10	nb/st	st	E.	E.S.E.	1-58	0-60	1	2	0-0	..	..	..	..
..	..	oidr	o	oidr	ojp	o	K	K	10	10	a-st/cu-nb	nb/st	?/E.	E.	0-05	..	2	1	0-8	..	..	..	..
..	..	c	c	c,bc	bc	c,o	M	M	8	4	ci/cu/cu-nb	cu/cu-nb	WNW/ESE	E.S.E.	..	..	1	1	9-1	..	..	..	..
..	..	c,bc	c	c,bc	cy	c,bc,b	M	M	8	7	st-cu	ci-st/cu/cu-nb	E.S.E.	W/ESE	..	..	0	0	8-3	..	..	..	..
..	..	b	bv	bv,bc	bey	bc,b	M	M	2	5	fr-cu/cu	cu	E.	E.	..	0-03	0	0	11-3	..	..	..	..
..	..	bc,c,op	o	c,o	o	c,c	L	M	10	9	cu-nb	st-cu/cu	E.	E.S.E.	..	..	0	0	1-0	..	..	..	..
..	..	c,bc	bc	bc	bey	bc,c,o	L	L	5	6	ci/cu	ci/cu/cu-nb	W/E	W/E	..	0-05	0	0	9-6	..	..	..	..
..	..	c,opq	ojp	o,c	c	c,bc	J	K	9	8	ci-st/st-cu/nb	st-cu/cu	?/E	N.E.	..	Trace	0	0	3-9	..	..	..	1
..	..	c	c	c,bc	c	c,o,bc	K	K	7	8	ci-st/cu/cu-nb	ci-st/cu-nb	—/S.E.	—/S.E.	..	..	0	0	5-9	..	..	..	1
..	..	bc	bc	bc	bc	bc,c,o	K	K	6	6	ci-st/cu	ci/cu	W/NE	W/NW	..	..	0	0	8-6	..	..	..	1
..	..	c,bc,b	b	b,bc,c,otlp	ojp	op,c,bc	M	I	3	9	cu	cu-nb/nb	..	SW.	0-03	0-07	0	0	6-4	..	..	..	1
..	..	c,o	o	c,o	o	ordtl	K	L	9	9	ci/cu/nb	ci-st/cu/cu-nb	..	?/ESE	..	1-22	0	0	0-6	..	..	..	1
..	..	ord	oir	oid	o	odrr	J	M	10	9	nb/st	a-st/cu-nb	S.E.	?/E	0-01	1-18	2	1	0-0	..	..	..	1
..	..	orr, id	oid	oidrr	orr	orr,R	I	F	10	10	nb/st	st	N.E.	E.S.E.	0-25	1-63	2	2	0-0	..	..	..	1
..	..	oid,ir	orr	orr	orr	orr	F	F	10	10	st	st	S.E.	S.E.	0-63	0-82	2	2	0-0	..	..	..	1
..	..	o,c	cjp	c,p,o	cjp	bc,c,opq	I	M	8	8	a-cu/cu-nb	cu-nb/st	SW/SE	E.	0-06	0-25	2	1	5-0	..	..	..	1
..	..	op,c	ojp	c,oP	ojp	o,c	L	J	9	9	a-cu/cu-nb/nb	cu-nb/nb	?/E	E.	0-06	..	1	1	1-0	..	..	..	1
..	..	o,c	c	c,bc	c	c,bc,b	L	L	7	7	ci-st/st-cu	ci/cu	—/E	W/NE	..	..	0	0	9-3	..	..	..	2
..	..	bc	bc	bc	bc*	bc,b	K	L	5	5	ci/cu	a-cu/cu	W/ENE	WNW/E	..	Trace	0	0	10-1	..	..	..	2
..	..	b,bc,c	cjp	bc,cjp	o	bc,b,c,o	J	J	7	9	cu-nb	cu/cu-nb	E.	E.	..	0-02	0	0	6-2	..	..	..	2
..	..	op,c,bc	bc	bc,c	c	bc,c,o	K	K	6	8	ci/a-cu/cu	ci-st/cu/cu-nb	W/w/E	SW/ESE	..	Trace	0	0	8-7	..	..	..	2
..	..	bc,c	c	bc,b	b	b,bc	L	L	7	3	ci-st/st-cu	st-cu/cu	—/E	..	..	Trace	0	0	8-8	..	..	..	2
..	..	bc,cp	c	cp,bc	bc	bc,b	K	L	7	6	ci-st/st-cu/nb	st-cu	—/E	E.	0-08	..	0	0	6-5	..	..	..	2
..	..	bc	bc	bc	bc	ctlRq,bc	L	L	4	6	cu	cu	N.E.	N.E.	..	1-03	0	0	9-4	..	..	..	2
..	..	bc,c	c	bc,ct	ctjp	otr,q,b	K	K	8	9	cu-nb	cu-nb/nb	E.N.E.	E.S.E.	..	0-42	2	1	6-2	..	..	..	2
..	..	b	b	b,bc	bc	bc,b	L	L	2	4	st-cu/cu	st-cu	E.N.E.	E.	..	0-02	1	0	11-3	..	..	..	2
..	..	bc,cp	cjp	bc,b	b	b,bc,coPq	L	L	8	3	st-cu/cu/cu-nb	cu	E.	..	..	0-35	0	0	9-5	..	..	..	2
..	..	oPq,c,bc	bc	bc,b	b	b,bc	L	L	6	2	cu/cu-nb	cu	EXN	..	..	..	1	0	11-8	..	..	..	3
..	..	..	..	..	..	..	..	..	220	219	..	..	..	..	2-76	8-06	..	..	169-3	..	..	..	Tot
..	..	..	..	..	..	..	..	..	7-3	7-3	..	..	..	..	..	..	..	..	5-6	..	..	..	Me

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7.	1/3.	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	Var.
8 a.m.	0	4	23	3	0	1	1	2	6	6	7	1	0	2	0	0	0	0	0	0	1
2 p.m.	0	14	16	0	0	0	0	3	2	11	10	3	0	0	1	0	0	0	0	0	0
Total	0	18	39	3	0	1	1	5	8	17	17	4	0	2	1	0	0	0	0	0	1

Prevailing Direction, E. and E.S.E.; 8h., E.S.E.; 14h., E; Maximum velocity, 28 m.p.h. from E. at 1032 on 22nd.

KATA THERMOMETER OBSERVATIONS IN "SCREEN."

Time of Observation between 8h. 30m. and 9h. F. 464.

NOVEMBER, 1939.

Date.	Cooling Power.		Date.	Cooling Power.	
	Dry Kata.	Wet Kata.		Dry Kata.	Wet Kata.
1	5-7	16-0	16	6-5	14-7
2	7-5	24-4	17	6-9	15-5
3	6-6	15-9	18	5-9	17-8
4	5-3	13-6	19	6-9	19-3
5	5-7	15-6	20	..	..
6	5-1	16-0	21	7-1	21-2
7	4-8	14-5	22	5-7	20-2
8	..	..	23	4-2	17-2
9	5-0	17-8	24	4-1	16-6
10	7-1	20-2	25	..	..
11	6-6	19-1	26	5-4	17-2
12	6-3	18-7	27	5-7	17-8
13	6-4	19-3	28	5-6	16-9
14	4-0	11-3	29	5-7	15-0
15	5-2	13-3	30	6-4	17-8
Totals	..	..	..	157-4	462-9
Means	..	..	..	5-8	17-1

WEATHER DIARY—NOVEMBER, 1939.

Date.

1. Overcast all day. Intermittent drizzle 0250 to about 1000. Light to gentle E.S.E. to E.N.E. breeze at first, gradually increasing force 3/4 from E.S.E. backing E. force 3, 1700, and to N'y airs force 1/2 2020.
2. Variable N.E. airs early. Overcast all day. Light to gentle E.N.E. to E.S.E. breeze from 0355, with occasional moderate gusts, backing N'y after 1715, falling off 1830. Moderate E. squall 2235 to 2240. Thin intermittent drizzle 1730 to 2330.
3. Intermittent drizzle and rain 0005 to 0820, and from 1420. Moderate steady rain 0820 to 1420. Overcast with low clouds and poor visibility all day. Variable airs at first. Light to gentle E.S.E. breeze 0300, falling off 0600, backing to N'y airs to calm. Light to gentle E.S.E. to E.N.E. breeze, mainly E. from 0920 with occasional moderate gusts, freshening 2312.
4. Moderate to fresh E'y breeze falling to force 2/3 0345. Intermittent drizzle and rain to 0600 and 1150 to 1320. Overcast all day. Wind veered E.S.E. to S.E. 1000, backing E. 1500, falling to force 2. Maximum wind velocity 25 m.p.h. from E.x.S. at 0325.
5. Light E.S.E. breeze early backing N. 1, 0250. Gentle E.S.E. breeze 0725. Fine and cloudy early, gradually clearing, becoming cloudy to overcast 1700 and wind gradually falling off backing N'y 2120.
6. Fine and half cloudy early. N'y airs to calm at first. Gentle E.S.E. breeze 0720, and variable sky mainly cloudy, gradually falling off after 1600, backing N'y 2130 and sky cleared.
7. N'y airs to calm early. Fine and clear to half cloudy sky all day. Gentle E.S.E. breeze 0700, increasing to moderate breeze, very gradually falling off after 1730, backing N'y 2325. Unusual visibility during the day.
8. Gentle to moderate E.S.E. breeze 0000 and sky gradually covered. Light showers 0240 to 0500. Cloudy to overcast all day. Gentle breeze after 1200, very gradually backing E. by 2300. Pretty sunset.
9. Fine and half cloudy early. Gentle E. breeze backing N.E. force 1/2 0230, veering E. 0500, increasing force 4 with some fresh gusts 0610, falling off after 2100 backing N.E. Variable sky after 1530, mainly cloudy.
10. Cloudy to overcast during the day, variable sky after 1500, mainly cloudy. Light showers 0100 to 0300 and N'y airs. Moderate N.E. squall 0145 to 0215. Gentle to moderate E.N.E. breeze 0600 with some fresh gusts, gradually falling to force 2/3 after 1700. Maximum wind velocity 26 m.p.h. from E.x.N. at 1213.
11. Cloudy early. Wind backed N.E. force 1/2 0050, increasing force 3/4 0805, N.E. to E.N.E., falling to N.E.x.N. airs 1800. Light shower (trace only) 0715. Variable sky all day and night. Slight haze during the afternoon. Pretty sunset.
12. Fine and half cloudy all day, becoming cloudy to overcast about 1600. N'y airs to calm at first. Light to gentle N. breeze 0750, increasing force 4 veering N.E. 1215, falling off after 1600, backing W.N.W. 1803 force 2/3, gradually veering to N'y airs after 1930.
13. N'y airs to calm early, fine and clear sky. Light to gentle S.S.W. breeze 0834. Sky covered 1230, and dense bank of low nimbus appeared to S.W. 1330 to 1430. Showers 1325 to 1600. Light shower 1120 then variable sky. Distant thunderstorm 1330 to 1340. Gentle to moderate breeze 1415, falling off 1900. Calm 2148.
14. Calm early and variable sky, becoming overcast 0730. Variable airs 0820. Light E.S.E. to S.E. breeze 0912, gradually increasing force 4, with fresh gusts 2200 to 2250, then light to gentle S.S.E. Rain and drizzle from 1500. Moderate thunderstorm 1545 to 1550. Maximum wind velocity 27 m.p.h. from S.E.x.S. at 2238.
15. Rain and drizzle to 0400. Light intermittent rain 0745 to 0800 then thin intermittent drizzle to 1200. Light to gentle S'y winds at first, boxing compass 0450 to 0530. Light variable S.E. breeze 0750. Gentle E'y breeze 1358, becoming variable 2050. Drizzle 1940, increasing to moderate rain 2025. Overcast all day and unusual visibility at times.
16. Overcast all day and poor visibility. Moderate rain to 0130 and 1100 to 2400, with intermittent drizzle from 0130 to 1100 and heavy rain 1910 to 2100. Gentle S.E. breeze at first gradually falling to N.N.E. force 1. Light to gentle variable N.E. to E.S.E. breeze 0856 veering SE'y after 1800.

Date.

17. Intermittent drizzle to 0100. Overcast all day and poor visibility. Intermittent rain 0610. Moderate to light rain 0745 to 2400. Variable winds force 0/2 early. Light S. to S.W. breeze 0800, backing S.E. force 3/4 0930, lulling 1410 to 1510, then gentle to fresh E.S.E. to E. breeze, backing NE'y force 2 after 2200.
18. Light NE'y breeze early; calm 0300. Gentle E.S.E. to E. breeze 0750, increasing to moderate breeze, falling off to light variable N'y 1800, but with occasional moderate squalls. Mainly cloudy to overcast all day and night, but with bright intervals especially during the afternoon. Showers 0915 to 0940 and from 1740.
19. Cloudy and variable airs at first, and showers to 0335. Gentle E'y breeze 0200, increasing to moderate to fresh breeze 0600. Cloudy to overcast all day. Heavy shower 1030 to 1040. Maximum wind velocity 27 m.p.h. from E.x.N. at 0803.
20. Early morning fine and cloudy with light to moderate E. to E.N.E. breeze. Steady moderate E. breeze 0815, falling off 1700, backing N.E. Variable sky during the day, clearing late at night.
21. N'y airs to calm early, fine and half cloudy all day, becoming clear to cloudless at night. Light to gentle E.N.E. breeze 0710, veering E'y 0815 increasing force 4, gradually falling off 1700, backing N.E. airs to calm.
22. N.E. airs to calm at first, fine and half to three-quarter cloudy. Wind gradually increased force 4 after 0230, veering E'y 0445 with some fresh to strong gusts, gradually falling off 1700 backing N.N.E. Light to gentle E'y breeze 2240. Mainly cloudy to overcast after 1330, but clear sky about 1800 to 2000. Maximum wind velocity 28 m.p.h. from E. at 1032.
23. Light to moderate variable winds at first, overcast and light showers 0300 to 0400. Gentle E'y breeze 0740, veering E.S.E. force 3/4. Light E. breeze after 1720. Fine with variable sky all day and night. Solar halo 1352 to 1410. Lunar halo 1930 to 2115.
24. N'y airs 0310. Light to gentle E'y breeze 0725. Fine and variable sky all day and night, but mainly half cloudy. Moderate breeze 1245 with some fresh gusts. Gentle breeze after 1700.
25. Light to gentle E.S.E. to S.E. breeze early, increasing force 3/4 0700. Fine and half cloudy, becoming cloudy to overcast 0630. Trace rain 0640. Showers 0835 to 1010, then fine and half to quarter cloudy. Wind backed N.E. 0940 falling off. Gentle to moderate E.S.E. breeze 1020, gradually falling off 1800, backing N.E. airs to calm 1940.
26. Fine, half cloudy and calm early. Variable airs 0745. Gentle E'y breeze 0910 increasing force 4 1045 with fresh to strong gusts, backing N.E. 1135, falling off 1700. Cloudy to overcast after 1500. Distant thunder 1630 to 1700 and occasional lightning to about 2130. Heavy rain and NE'y squall 1920 to 2030, then light variable N.E. winds and sky gradually cleared. Maximum wind velocity 27 m.p.h. from N.N.E. at 1956.
27. Variable N'y winds force 1/2 at first, fine and half to three-quarter cloudy, becoming overcast about 1310. Light E.N.E. breeze 0703, backing N.E.x.N. 0920, veering E.x.N. 1206 squally force 3/5, falling off 1320 backing N'y. Distant thunder 1320 to 1530 and light to moderate rain 1420 to 1635, then fine and clear to cloudless. Moderate S.W.x.W. squall 1605 to 1630, then N'y airs to calm. Very pretty sunset. Rainbow 1810.
28. N'y airs to calm early, fine and clear to cloudless. Half cloudy at times during the day. S.x.E. airs 0740, increasing force 3, backing E.S.E. 1000, falling off 1700, backing N'y 2010.
29. Fine, half cloudy and N'y airs to calm early. N.E. to N.N.E. winds force 1/2 0312. Cloudy and light showers 0700 to 0750, then half cloudy to clear. Variable sky at night. Rainbow 0808. Gentle to moderate E'y breeze 1020, gradually falling off 1700, becoming squally E.N.E. to E.S.E. 2130 force 1/4 and heavy showers.
30. Heavy showers to 0020, then fine and half to quarter cloudy, cloudless at times. Light N.E. to N. winds at first, increasing force from E.N.E. 0740, veering E. force 4 with fresh gusts, falling off 2100, backing N.N.E. Pretty sunset.

ADDITIONAL NOTES.

A fairly cool month except for the last week, with average rainfall, mean temperature being 1.1 degrees below normal.

Mean pressure at 8 a.m. was 0.012" above the average.

METEOROLOGICAL OBSERVATIONS TAKEN AT SUVA, FIJI,
DURING
DECEMBER, 1939.

DECEMBER.

Wind. villes. cun for pre- vious 24 hours.	Wind. Mean velo- city.	Weather for 24 hours ending midnight. (Beaufort Letters).					Visibility.		Cloud.						Amount of Rain.		State of ground.		Sunshine (hours and 'enths).	Day.				
		Before Obser'tion.	At time of Obser'tion.	Between Obser'tion hours.	At time of Obser'tion.	After Obser'tion.			Amount (0-10).		Form.		Direction whence coming.		6 hours during the day measured at 14h.	18 hours measured next morning at 8h.								
									I	II	I	II	I	II			I	II						
		I	I	I and II	II	II																		
(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)		(39)		(40)		(41)		(42)	(43)	44	45	(46)	
180-0	7-5	bc,b	b	b,bc	bc	bc,c,b	L	K	2	4	cu		cu		E.N.E.	N.E.	..	0-03	0	0	12-0		1	
187-2	7-8	cpo,bc	bc	bc,b	b	bc,c,b	K	L	4	3	cu		cu		EXN	E.	..	Trace	0	0	12-2		2	
228-0	9-5	bc,c	c	c,o,bc	c	bc,c,o	K	K	7	7	cu		cu/cu-nb		E.	E.	..	..	0	0	7-4		3	
264-0	11-0	c,o	o	c,o	o	op	L	L	9	9	a-cu/st-cu		a-cu/st-cu/cu-nb		—/E.	N.E.	..	0-25	0	0	2-7		4	
144-0	6-0	orr	orr	oir	oir	opq	I	H	10	10	nb		a-st/nb		E.	N.E.	0-05	0-23	1	1	0-0		5	
151-2	6-3	op	oip	opq	oip	oqp	L	I	10	10	a-st/st		a-st/st		N.E.	?/N.E.	0-03	0-05	1	1	0-0		6	
216-0	9-0	o	oidr	oid,c	o	ojp	H	K	10	10	st		a-st/st		N.E.	?/N.E.	0-01	0-04	1	1	0-4		7	
120-0	5-0	o	op	oz	ojpz	odd,r	J	K	10	10	a-st/nb		cu-nb		—/N.E.	N.E.	Trace	0-51	1	0	0-6		8	
201-6	8-4	odr	odr	odr	odd	c,bc,od	H	H	10	10	st		st		N.E.	N.E.	0-13	0-02	2	2	0-4		9	
182-4	7-6	c,o	ojp	o,c,bcz	cz	cp,orr	K	J	10	8	st		ci-st/cu-nb		N.E.	—/N.E.	..	1-48	1	0	3-0		10	
194-4	8-1	orr	o	c,bc	cp	o,bc,cp,b	L	L	9	8	st-cu/nb		ci/cu/nb		N.N.E.	..	..	0-09	2	1	6-2		11	
211-2	8-8	bc,c	c	c,bc,o	ojp	oid	K	K	8	9	cu/cu-nb		a-st/nb		S.S.E.	?/S.S.E.	..	Trace	1	0	2-6		12	
170-4	7-1	c,o	o	c,o	o	o,c	L	M	9	9	st-cu		st-cu		..	S.W.	..	..	0	0	1-4		13	
213-6	8-9	bc,b	b	b,bc	bc	bc,c,o	L	L	3	6	ci-st/cu		ci/cu		?/S.E.	W.S.W./—	..	Trace	0	0	11-9		14	
141-6	5-9	c,bc	cjp	c,bc,b	bc	bc,bw	M	M	8	4	st-cu		cu		E.	EXS	..	..	0	0	9-6		15	
244-0	6-0	bc,b	b	b,bc	bc	bc,c,o	L	L	3	4	ci/cu		st-cu		W/N.E.	N.E.	..	0-03	0	0	9-0		16	
170-4	7-1	op,cz	oz	oz,c	oz	oz,id	K	I	9	9	a-cu/cu/cu-nb		a-cu/cu-nb		?/NNE	W/ESE	..	0-08	0	0	2-6		17	
187-2	7-8	o	oz	o	o	o	K	K	9	10	a-st/cu		a-st/cu/nb		?/E	?/E	..	..	0	0	0-6		18	
172-8	7-2	o	oz	oz,c	ojpz	o	K	K	10	9	st/nb		a-cu/cu-nb		E.N.E.	W/E	..	..	0	0	1-2		19	
235-2	9-8	o	o	o,c	o	o,c,bc,b	L	L	9	9	st-cu		st-cu		S.S.W.	S.E.	..	..	0	0	0-7		20	
206-4	8-6	bc,c	cv	c,bc	cy	c,bc	M	L	8	7	ci-st/cu/cu-nb		ci/cu		WSW/SSE	W/SSE	..	Trace	0	0	9-4		21	
252-0	10-5	bc	bcy	bc,b	by	b,bc	L	L	5	2	ci-st/cu		cu		?/SE	S.E.	..	..	0	0	11-6		22	
168-0	7-0	bc	c	bc	bcy	bc,b,cp	M	M	7	5	ci/a-cu/cu		ci-st/cu		W/E/E	..	..	0-03	0	0	8-9		23	
244-8	10-2	bc,c	c	c,b	by	b,bc	L	L	7	2	cu-nb		ci-cu		S.	..	..	..	0	0	6-2		24	
158-4	6-6	b	b	b,bc,c,o	o	op,c,bc,b	L	L	2	10	st-cu		st-cu		..	..	..	Trace	0	0	6-7		25	
120-0	5-0	bc,b,c	c	c,bc,o	o	op,rR	L	L	7	9	a-cu/cu		cu-nb		WNW/E	E.	..	1-24	0	0	4-6		26	
261-6	10-9	orR	o	op	or	or	K	F	10	10	a-st/st		cu/cu-nb		N/N.E.	N.E.	0-09	1-33	1	1	2-0		27	
355-2	14-8	orRQTL	ojpq	opqt	op	otPq,c,bc	K	H	10	10	a-st/nb/st		a-st/nb		?/WSW	?/SW	0-23	0-46	2	2	1-2		28	
252-0	10-5	cp,bc	bc	bc,c	c	cp,bc,b	M	M	6	8	ci/cu		a-cu/cu		?/SE	SE/SE	..	0-02	2	1	5-9		29	
172-8	7-2	bc,c,o	o	o	ojp	op,c	M	J	9	9	cu/nb/st		nb/st		EXS	E.	Trace	0-40	1	1	0-1		30	
182-4	7-6	op,c	op	op,c	c	c,bc,o	I	K	9	7	cu-nb/st		cu/cu-nb		EXN	E.	0-01	0-12	1	1	3-7		31	
2088-8	253-7	....	....	....	....	....	..	..	239	237	.....		.....		....	....	0-55	6-41	..	..	144-8		Totals	
196-4	8-2	....	....	....	....	....	..	..	7-7	7-6	.....		.....		....	....	..	..	..	..	4-7		Means	

CLOUD AMOUNT.

Number of cases of total cloud amount.

Hour.	0	1/3	4/6	7/9	10
8 a.m.	0	4	3	15	9
2 p.m.	0	3	5	14	9

WIND SUMMARY—No. OF OBSERVATIONS OF.

	Force 8 or more.	4/7	1/3	Calms.	N.N.W.	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.
8 a.m.	0	3	26	2	2	0	3	6	5	4	0	3	2	2	0	0	0	1	0	1
2 p.m.	0	18	13	0	0	0	1	7	1	8	2	7	1	2	1	1	0	0	0	0
Total.	0	21	39	2	2	0	4	13	6	12	2	10	3	4	1	1	0	1	0	1

Prevailing Direction, N.E.; 8h., N.E.; 14h., E. Maximum velocity, 68 m.p.h. from N.xE. at 0354 on 28th.

WEATHER DIARY—DECEMBER, 1939.

Date.

1. N.E. to N.N.E. airs to calm early. Fine and cloudless to half cloudy all day. Light E.N.E. breeze 0740, increasing to moderate E'ly 0925, backing N.E. 1600. Gentle breeze 1700, falling to N.N.E. 1 2 2100. Rainbow 1710. Pretty sunset.
2. Light N.N.E. to N.E. winds early. Shower about 0200, then fine and half cloudy to clear. Gentle E. breeze 0700. Moderate E'ly breeze with fresh gusts 1050, falling off 1700 backing N.E. Pretty sunset. Variable sky at night. Trace rain 2202. Gentle to moderate E.N.E. breeze 2315.
3. Gentle to moderate E.N.E. breeze early. Fine all day with variable sky. Moderate E. breeze 0830, gradually falling to force 2 3 1700, backing E.N.E. Pretty sunset.
4. Light to gentle E.N.E. breeze early; fine and variable sky during the day but mainly cloudy to overcast. Overcast night had light showers 1658 to 1708 and 1830 to 1910. Moderate E.N.E. breeze during the day, backing N.E. force 1 2, 1745.
5. Light rain 0000 to 0805. Overcast and dull all day. Variable N.E. winds force 1 3 with some moderate gusts. Moderate N.N.E. squall 1840 to 1850. Light intermittent rain 1140 to 1410. Showers 1810 to 1830 and from 2350. Light N.N.E. breeze 2100.
6. Overcast all day. Showers to 0630, and 1245 to 1305 and 1950 to 2200. N.N.E. winds force 1 2 at first. Gentle N.N.E. to N.E. breeze during the day with occasional moderate to fresh squalls. Light breeze 1930. Maximum wind velocity 24 m.p.m. from N.E.x.N. at 1252.
7. Overcast all day. Light N.N.E. to N.E. winds early. Drizzle and rain 0720 with thin intermittent drizzle to 1330. Moderate squall 0812, then gentle to moderate N.E. to E.N.E. winds with fresh gusts 1915 to 2050.
8. Overcast all day. Light to gentle N.E. winds with moderate squall 0130 to 0135. Moderate to fresh gusty breeze 0810 to 1700. Drizzle and rain from 1650. Hazy afternoon. Maximum wind velocity 27 m.p.h. from N.E. at 1000.
9. Light to moderate N'ly winds all day. Overcast with low clouds and poor visibility. Drizzle and rain to 0200, 0500 to 0530 and 0710 to 1415, then variable sky. Drizzle 2300 to 2330.
10. Light to gentle N.E. to N.N.E. winds at first, moderate breeze after 0721, becoming light to gentle 1700. Variable sky during the day, mainly cloudy. Hazy afternoon. Showers 1515 to 1600. Moderate rain from 1730.
11. Light rain to 0230. Cloudy early and N.N.E. winds force 1/3, becoming variable 1330, veering S.W. 4 1425, then backing S'ly falling off, increasing force 4 1925 backing S.S.E. Variable sky during the day and night. Threatening appearance of sky to N. 1330 to 1430. Light shower (trace) 1400. Showers 2000 to 2130.
12. Fine and half cloudy to cloudy early and gentle to moderate S.S.E. to S.E. breeze, becoming overcast 1230 and wind very gradually falling off 1600, backing E.S.E. Very thin drizzle (trace only) 1855 to 1910.
13. Overcast to cloudy with st-cu all day and fine. Variable airs at first. Light S.S.E. breeze 0545, gradually increasing to gentle breeze and veering S.W'ly, and to W'ly 2220 to 2320, then moderate S'ly.
14. Moderate S'ly breeze at first backing S.S.E. to S.E. force 2/3 0340. Fine and half cloudy to clear all day, becoming cloudy to overcast at night. Wind gradually backed E'ly, falling off 1700. Solar halo 1350.
15. N'ly airs to calm early and cloudy. Trace rain 0750. Light E. breeze 0812, increasing force 3/4, gradually falling off 1600, backing N.E'ly 1810. Half cloudy to clear 0910. Dew at night.
16. N'ly airs to calm early, fine and part cloudy, becoming cloudy to overcast about 1500. Wind increased force 4 veering E. backing E.N.E. 3, 1630 and to N.N.E. 1, 1850.
17. Cloudy to overcast all day and hazy. Variable N.E. winds force 1 2 at first, backing N.N.W. 1, 0750. Showers 0438 to 0450. Light to moderate E. to E.S.E. breeze 0840, backing N.E. after 2000, falling off 2120. Light E'ly breeze 2220. Thin intermittent drizzle 1855 to about 2220.

Date.

18. Light to gentle E.S.E. breeze early, backing E.N.E. 1/2 after 0600. Gentle E.S.E. to E. breeze 1145. Overcast all day and slight haze during the morning.
19. Gentle to moderate E.S.E. to E. breeze all day, fine, cloudy to overcast and slight haze, wind falling to force 2/3 1720.
20. Fine all day, cloudy to overcast and gentle to moderate S'E'ly winds. Pretty sunset. Variable sky at night, clear at times.
21. Light S.E. breeze early, backing N. 1, 0520. Gentle to moderate S.S.E. breeze 0625, falling to gentle breeze 1700. Fine all day, cloudy to half cloudy and unusual visibility during the morning, ci-st predominating. Solar halo 0810. Pretty sunset.
22. Fine and clear to half cloudy all day and gentle to moderate S'E'ly winds.
23. Fine early and half to three-quarter cloudy. N'ly winds force 1/2 at first, backing N.N.W. 0720 and to S'ly 0830 increasing force 3, falling off 1740 backing S.S.E., and to N'ly 2105. Solar halo 1100 to 1210. Pretty sunset. Cloudy and light showers 2235 to 2320.
24. Fine all day. Cloudy at first but soon clearing. N'ly airs early. Light W'ly 0822, backing S.S.W. force 4, veering N'ly after 2100 falling off. Pretty sunset.
25. N'ly airs to calm early fine and clear sky, becoming cloudy to overcast 1300. Light W.S.W. to S.S.W breeze 0830, backing S'E'ly force 2/3 1200, falling off 1800, backing N'ly 2100. Red sunset. Light showers (trace only) 1900 to 1920, then clearing.
26. N'ly airs to calm early and cloudy to half cloudy with a-cu predominating. Light E'ly breeze 0745, increasing force 4, falling off 1700 backing N.E. Cloudy to overcast after 1130. Shower 2240. Moderate to heavy rain 2350.
27. Light to gentle N.E'ly winds early and overcast. Moderate to heavy rain to 0340. Moderate to strong winds from 0845 and cloudy to overcast. Continually overcast after 1230. Light to heavy showers 1330 to 1400. Moderate rain 2330. Maximum wind velocity 33 m.p.h. from N.E.x.E. at 2346.
28. Wind rapidly increased to gale force gradually backing N.N.W., reaching maximum of 68 m.p.h. from N.x.E. at 0345, then rapidly falling off. Densely overcast and moderate to heavy rain to 0330 and rather severe thunderstorm 0030 to about 0430. Wind backed W'ly 0700, freshening 0755, backing S.W'ly 0940 with high squalls at 0825 and 1142, backing S.W'ly 1720, falling off 1832, backing N.E'ly 2000. Light variable N.W'ly 2150. Distant thunder 1250 to 1310 and at 1507. Light to heavy showers 1300 to 1720 with bright intervals 1500 to 1630. Variable sky at night mainly cloudy.
29. Light showers 0420 to 0430. Light W'ly winds becoming variable 0220. Light S.S.E'ly 0645 increasing force 3, backing S.E., falling off 1800. Fine all day with variable sky, except for light showers 1900 to 2150 and 2320.
30. Variable sky early, becoming overcast. Light to gentle E'ly winds, increasing force 3/4 0900, backing N.E. 0945 to 1012. Light to moderate showers 1750.
31. Light to moderate showers to 0315. Light shower 0800, but heavier in distance, and at 0930 and 1140. Light to moderate N.E. to E. breeze with fresh gusts and mainly E. after 0820. Mainly overcast all day, but variable sky 1330 to 1800.

ADDITIONAL NOTES.

A fairly cool and dry December with low humidity records. Mean temperature was 1·2 degrees and rainfall 5·77" below the average. Mean pressure at 8 a.m. was 0·029" above normal.

On the 28th a cyclonic storm passed near the S.W. portion of the Group moving S.E. The lowest barometer recorded was 29·29" (barograph) at 4 a.m. and the wind reached a maximum velocity of 68 m.p.h. from N.x.E. at 3·54 a.m. On the morning of 29th the storm centre had passed well to the South of Nukualofa still moving S.E.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NADARIVATU FOR THE YEAR 1939.

Months.	Air Temperature. (F°.)									Mean Dew point	Mean vap'r Pres- sure.	Mean Relative Humidity (Satura- tion=100)
	Means of				Mean	Absolute Max. and Min.						
	Dry bulb.	Wet bulb.	Max.	Min.		Max.	Date.	Min.	Date.			
January	71.5	68.4	76.0	63.8	69.9	79	3, 17, 30, 31	59	24	66.6	22.3	85.1
February	72.0	68.8	77.1	63.9	70.5	81	2, 8	58	2,28	67.0	22.6	84.6
March	70.5	68.5	74.2	64.9	69.5	79	31	56	1	67.4	23.0	90.7
April	70.3	66.9	74.6	64.0	69.3	80	23	57	21	64.8	21.1	83.3
May	67.4	65.0	73.0	62.9	68.0	77	1, 3, 9, 10, 11, 14, 15	58	30	63.5	20.1	87.7
June	65.5	63.6	71.3	58.7	65.0	76	22	52	30	62.2	19.3	89.6
July	65.5	62.1	71.1	57.5	64.3	76	25	50	1	59.7	17.6	82.2
August	66.8	64.3	73.1	58.6	65.8	79	17	46	9	62.5	19.6	87.2
September ..	66.6	62.8	72.1	57.0	64.5	79	27, 30	51	3	59.9	17.9	80.7
October	69.9	65.1	73.5	60.5	67.0	50	2	54	18	62.0	19.2	77.3
November ..	70.0	64.8	73.3	60.6	67.0	80	26	56	5, 11, 28	61.4	18.7	74.5
December ..	69.8	66.2	75.4	62.9	69.1	80	21	54	21, 25	63.9	20.5	82.0
Year ..	68.8	65.5	73.7	61.3	67.5	81	2, 8, 2	46	9, 8	63.4	20.2	83.7

Observer: Miss L. Reay. Position of Station:—Lat. 17° 34' S.; Long. 177° 58' E. Altitude 2,740 feet.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NAVA VALLEY (NEAR NADARIVATU) FOR THE YEAR 1939.

Months.	Air Temperature. (F°.)									Mean Dew point	Mean vap'r Pres-sure.	Mean Relative Humidity (Satura-tion=100)
	Means of				Mean	Absolute Max. and Min.						
	Dry bulb.	Wet bulb.	Max.	Min.		Max.	Date.	Min.	Date.			
January	69.8	68.5	..	63.1	..	..	....	60	15	67.9	23.3	93.5
February	70.0	67.8	79.8	63.0	71.4	84	8	57	28	66.4	22.6	88.7
March	68.9	67.1	77.0	64.1	70.5	84	3, 7	57	1, 2	65.9	21.9	90.6
April	67.1	66.0	76.0	63.4	69.7	83	1	54	22	65.0	21.3	93.8
May	65.5	64.3	74.5	61.7	68.1	80	1, 11	55	2	63.1	19.8	92.4
June	59.1	57.0	75.8	53.7	64.8	84	19	48	21, 24, 30	55.1	15.0	87.5
July	58.5	56.6	75.7	52.2	64.0	84	31	42	5	54.6	14.8	88.7
August	62.3	60.7	75.9	57.3	66.6	82	14	46	28	59.5	17.6	90.9
September ..	59.3	57.0	75.7	52.7	64.2	82	14	47	4	55.0	14.9	85.8
October .. ..	..	..	..	..	..	..	....	..	....	..	..	..
November ..	62.1	60.4	73.5	57.4	65.5	82	7	49	22	59.0	17.3	90.0
December ..	73.3	69.5	78.7	61.9	70.3	85	15, 17	52	16	67.2	23.1	82.8
Year ..	65.1	63.2	76.3	59.1	67.5	85	15, 12/12	42	5 7	61.7	19.2	89.5

Observer: Mr. W. E. Goodsir. Position of Station:—Lat. 17° 37' S.; Long. 177° 59' E.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SIGATOKA COTTON STATION FOR THE YEAR 1939.

Months.	Air Temperature. (F°.)									Mean Dew point	Mean vap'r Pres- sure.	Mean Relative Humidity (Satura- tion=100)
	Means of				Mean	Absolute Max. and Min.						
	Dry bulb.	Wet bulb.	Max.	Min.		Max.	Date.	Min.	Date.			
January	80.5	76.7	87.7	71.2	79.4	91	2, 3	66	31	75.1	29.7	83.8
February	81.3	76.8	87.8	70.7	79.3	90	5, 8, 9, 13, 28	65	28	74.9	29.6	81.2
March	79.5	76.3	86.9	71.4	79.1	92	3, 7	66	1	74.9	29.5	86.2
April	78.3	74.4	86.0	69.3	77.7	91	1, 29	61	21	72.9	27.4	83.1
May	76.4	73.0	82.9	68.1	75.6	89	25	62	21	71.3	26.2	84.5
June	71.7	68.7	81.9	60.9	71.4	88	24	55	28	67.0	22.7	85.7
July	70.3	67.8	81.4	61.4	71.4	89	7	53	12	66.4	22.2	87.5
August	72.9	69.8	82.3	63.4	72.9	90	17, 19	52	28, 29	68.2	23.7	85.3
September ..	73.5	68.6	83.0	60.9	72.0	90	30	53	21	65.8	21.8	77.3
October	77.9	72.7	85.4	65.9	75.6	92	2	60	18, 22, 24	70.1	25.2	77.9
November ..	78.9	72.3	85.2	63.6	74.4	91	30	55	10	69.0	24.3	72.3
December ..	79.5	73.6	86.2	67.6	76.9	91	1	54	25	70.6	25.8	74.9
Year ..	76.7	72.6	84.7	66.2	75.5	92	3, 7/3 2/10	52	28, 29/8	70.5	25.7	81.6

Observer: Mr. C. M. Dass. Position of Station:—Lat. 18° 08' S.; Long. 177° 31' E.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAKOGAI BY THE MEDICAL SUPERINTENDENT FOR THE YEAR 1939.

Months.	Mean Pressure in inches. (Reduced to 32° Fahr. 45° Lat. and M.S.L.)		Air Temperature (F°)											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation= 100)		Mean Amount of Cloud. (0-10)	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h.	14h.	8h.	14h.	8h.	14h.	8h.	14h.
January	29-727	29-673	79-8	84-1	76-7	78-1	85-0	73-9	79-5	90	9	71	12	75-4	75-5	30-0	30-2	86-7	76-0	7-8	7-6
February	29-781	29-731	80-8	85-3	77-0	78-3	86-3	75-1	80-7	89	3, 4, 5, 6, 8	74	Var. dates	75-3	75-3	30-0	30-0	84-0	72-7	6-2	6-6
March	29-774	29-735	79-3	83-0	76-1	77-2	83-9	73-7	78-8	89	31	71	13	74-8	74-7	29-4	29-4	86-4	76-8	8-2	8-1
April	29-854	29-796	78-7	82-0	74-8	76-4	83-7	72-8	78-3	88	2	70	11, 13, 14, 16	72-9	73-9	27-7	28-6	82-8	77-2	7-2	7-0
May	29-906	29-860	77-2	80-4	73-3	74-6	82-5	72-0	77-2	87	5	68	31	71-4	71-9	26-3	26-8	82-9	75-9	7-9	8-1
June	29-973	29-912	75-0	78-9	70-4	71-7	80-9	68-9	74-9	84	8, 9	63	4	67-9	68-0	23-5	23-5	79-5	69-8	5-5	5-8
July	29-931	29-875	74-4	78-4	69-8	71-6	80-7	68-1	74-4	87	24	63	2	67-3	67-8	22-9	23-4	79-1	71-3	5-5	5-7
August	29-875	29-822	75-6	80-6	71-1	73-3	82-1	69-4	75-8	86	19, 25	65	9, 29	68-7	69-4	24-2	24-7	79-6	69-1	4-8	5-2
September	29-952	29-898	75-2	80-7	69-4	71-6	81-9	68-8	75-3	86	30	65	3, 16, 23	66-1	66-6	22-1	22-6	74-1	63-1	5-8	5-6
October	29-913	29-865	79-0	83-1	72-8	74-1	84-6	71-9	78-2	88	11, 12, 13	67	7	69-6	69-6	24-8	24-8	73-3	64-5	5-5	6-0
November.....	29-863	29-829	78-2	81-7	72-0	73-5	82-9	70-6	76-7	86	12, 13, 26, 27	66	18	69-3	69-4	24-6	24-6	74-7	67-2	5-3	6-3
December	29-817	29-789	78-3	83-1	73-1	74-7	84-0	72-0	78-0	87	10, 17, 26	67	24, 25, 26	70-5	70-5	25-3	25-7	77-4	66-4	7-1	6-5
Year	29-864	29-815	77-6	81-8	73-0	74-6	83-2	71-4	77-3	..	....	..	....	70-8	71-1	25-9	26-2	80-0	70-8	6-4	6-5
Mean ...	8h. and 14h. 29-840		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

Observer: The Medical Superintendent, Makogai. Position of Station: Lat. 17° 26' 52" S., Long. 178° 58' 38" E. Altitude 12 feet.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAKOGAI BY THE MEDICAL SUPERINTENDENT FOR THE YEAR 1939.—continued.

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of							Wind. Number of Observations.																			
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder- storms.	Gales.					N	N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.		Var.		
									8h	14h	8h	14h		8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	14.85	...	...	....	...	0	0	1	0	0	14	12	3	7	8	12	9	6	0	0	1	1	1	0	1	1	0	1	8	3	0	0
February	5.85	...	...	....	...	0	0	0	1	0	6	7	3	2	13	10	4	6	0	1	1	0	0	0	0	2	3	3	4	3	0	0
March	24.28	...	...	....	...	0	0	0	0	1	20	18	0	3	6	7	7	10	0	0	0	0	0	0	3	7	2	2	12	2	0	0
April	21.80	...	...	....	...	0	0	0	0	0	10	11	1	1	8	10	17	14	1	2	0	0	0	0	1	2	0	1	1	0	0	0
May	19.54	...	...	....	...	0	0	0	0	0	12	16	3	2	12	8	10	11	1	3	0	1	0	0	1	2	0	2	4	1	0	0
June	0.94	...	...	....	...	0	0	0	3	2	5	7	1	1	11	7	9	15	2	2	0	0	0	1	0	0	0	0	7	3	0	0
July	2.95	...	...	....	...	0	0	0	6	5	11	12	4	4	13	11	7	10	0	0	0	0	0	0	0	2	0	1	7	1	0	0
August	3.75	...	...	....	...	0	0	0	6	6	5	6	3	3	9	14	9	7	0	1	0	1	2	3	0	0	0	2	7	0	0	0
September	1.81	...	...	....	...	0	0	0	3	4	9	7	0	0	0	4	16	14	5	4	0	0	0	0	7	7	0	0	2	0	0	0
October	0.48	...	...	....	...	0	0	0	2	0	9	10	0	0	7	11	22	17	0	3	0	0	0	0	1	0	0	0	1	0	0	0
November	3.63	...	...	....	...	0	0	0	1	2	8	10	0	1	6	4	15	17	5	5	0	0	0	1	1	2	0	0	3	0	0	0
December	2.52	...	...	....	...	0	0	0	3	0	18	11	0	3	8	7	13	16	2	2	1	1	0	0	0	0	1	1	6	0	0	0
Year ...	102.40	...	...	....	...	0	0	1	25	20	127	127	18	27	101	105	138	143	16	23	3	4	3	5	15	25	6	13	62	13	0	0
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

EXTREMES FOR THE YEAR.

Highest Pressure—30.113" at 8 a.m. on June 15th.
 Lowest Pressure—29.0112" on 8 a.m. on January 19th.
 Highest Temperature in Shade—90° on January 9th.
 Lowest Temperature in Shade—63° on June 4th and July 2nd.

Greatest Range—20° on July 24th and December 26th.
 Least Range—4° on April 12th.
 Most rain in 24 hours—5.12" on April 16th.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LABASA FOR THE YEAR 1939.

Months.	Mean Pressure in inches. (Reduced to 32 Fahr. 45° Lat. and M.S.L.)		Air Temperature (F)											Mean Dew Point (Degrees).		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation-- 100).		Mean Amount of Cloud (0-10).	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h.	14h.	8h.	14h.	8h.	14h.	8h.	14h.
January	29.755	29.722	77.9	83.1	75.7	78.8	86.0	72.3	79.2	92	4	71	Var. dates	74.7	77.0	29.4	31.6	89.8	82.5	3.9	5.6
February	29.798	29.755	78.4	85.6	76.1	80.4	87.9	72.2	80.0	92	3	69.5	7	75.2	78.1	29.7	33.2	89.7	79.3	3.3	4.6
March	29.812	29.767	76.8	82.5	75.2	78.3	84.5	72.4	78.4	91	30	69	1	74.7	76.6	29.2	31.3	92.5	83.2	4.7	5.5
April	29.871	29.817	76.2	82.5	74.3	77.0	84.4	71.1	77.7	90	24	66	21	73.5	74.6	28.1	29.3	91.0	77.9	3.8	4.5
May	29.921	29.870	75.6	82.5	73.7	77.2	83.9	71.1	77.5	88	1, 9, 27	66	2	72.7	74.9	27.4	29.5	90.8	78.2	3.8	4.8
June	29.972	29.918	71.5	82.1	69.0	74.0	83.4	65.9	74.7	88	13, 20	58	29	67.7	70.1	23.2	25.2	87.8	67.2	1.8	2.7
July	29.953	29.890	71.3	83.1	69.1	74.6	83.8	66.4	75.1	90	6	60	4, 5	67.9	70.5	23.2	25.6	89.6	66.2	1.8	3.0
August	29.907	29.840	73.2	83.7	71.0	74.8	85.0	68.0	76.5	90	11, 12	60	10	69.8	70.4	24.9	25.6	89.0	65.8	2.9	3.5
September	29.967	29.909	74.6	83.6	70.4	74.9	85.1	66.9	76.0	93	13	60	18	68.0	71.0	23.7	26.6	80.4	66.8	3.8	6.2
October	29.924	29.866	77.8	84.9	73.1	77.9	87.1	70.1	78.6	92	1	63	23	70.7	74.7	25.8	29.8	79.3	72.3	4.9	7.1
November	29.874	29.825	77.8	84.1	72.9	74.5	87.4	69.8	78.6	92	13, 26	66	30	70.4	69.7	25.5	25.0	78.3	63.0	5.1	6.5
December	29.845	29.794	77.7	84.1	73.5	75.8	87.0	71.0	79.0	91	11, 26	60	23	71.6	71.9	26.7	27.1	81.7	68.0	7.2	7.4
Year	29.883	29.831	75.7	83.5	72.8	76.5	85.5	69.8	77.6	..	....	..	....	71.4	73.3	26.4	28.3	86.7	72.5	3.9	5.1
Mean ...	8h. and 14h. 29.857		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

Observer: The Postmaster, Labasa. Position of Station: Lat. 16° 26' S., Long. 179° 25' E. Altitude, 152 feet.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LABASA FOR THE YEAR 1939.—*continued.*

Months..	Total Rainfall (Inches.)	Sunshine (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of						Wind. Number of Observations.																				
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder- storms.	Gales.	Clear Sky.		Overcast.	N.		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.		Var.		
									8h	14h		8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	18.34	...	...	....	...	0	0	1	0	0	1	1	0	1	0	3	6	2	12	5	1	2	0	0	1	3	3	8	8	7	0	0
February	11.49	...	...	....	...	0	0	0	1	0	0	0	0	0	0	3	3	3	7	1	2	0	0	0	1	4	13	17	2	0	0	
March	25.76	...	...	....	...	0	0	0	0	0	0	0	0	1	0	0	1	4	1	2	0	0	0	0	0	3	14	26	10	0	0	
April	15.53	...	...	....	...	0	0	0	1	1	0	0	1	1	1	0	3	13	2	10	1	1	0	0	1	1	0	2	21	2	0	0
May	9.56	...	...	....	...	0	0	0	1	0	0	0	0	0	1	0	4	9	6	9	0	3	0	0	0	0	1	5	19	5	0	0
June	0.45	...	...	....	...	0	0	0	9	2	0	0	0	0	0	0	4	4	10	17	0	0	0	0	0	0	0	7	16	2	0	0
July	2.48	...	...	....	...	0	0	0	17	4	0	0	0	0	0	0	3	2	10	10	2	1	0	0	0	0	0	15	16	3	0	0
August	3.55	...	...	....	...	0	0	0	14	2	1	1	0	0	0	1	9	5	13	14	0	2	0	0	0	0	1	7	8	2	0	0
September	1.40	...	...	....	...	0	0	0	11	1	4	9	0	1	0	0	3	3	16	16	5	7	0	0	0	0	0	3	6	0	0	0
October	1.59	...	...	....	...	0	1	0	4	0	5	9	0	0	0	1	3	7	20	15	2	2	0	2	0	2	0	1	6	1	0	0
November	4.61	...	...	....	...	0	1	0	3	0	4	8	0	0	0	1	2	4	16	16	6	3	0	1	0	0	0	3	6	2	0	0
December	5.97	...	...	....	...	0	1	0	0	0	15	10	1	0	0	1	3	5	19	12	1	5	0	1	0	0	0	5	7	2	0	0
Year ...	100.73	...	...	....	...	0	3	1	61	10	30	38	2	4	2	7	44	61	128	133	19	29	0	4	2	7	12	83	156	38	0	0
Mean ..	...	...	...	....	...																											

EXTREMES FOR THE YEAR.

Highest Pressure—30.118" at 8 a.m. on September 5th.
 Lowest Pressure—29.320" at 2 p.m. on January 19th.
 Highest Temperature in Shade—93° on September 13th.
 Lowest Temperature in Shade—58° on June 29th.

Greatest Range—29° on September 13th.
 Least Range—3° on April 3rd.
 Most Rain in 24 hours—6.66" on April 5th.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LAUTOKA FOR THE YEAR 1939.

Months.	Mean Pressure in inches. (Reduced to 32° Fahr. 45° Lat. and M.S.L.)		Air Temperature (F°).											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation= 100).		Mean Amount of Cloud. (0-10).	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h	14h	8h	14h	8h	14h	8h	14h
January	29-710	29-673	78-9	84-0	75-7	78-0	85-8	73-5	79-6	91	17	69	31	74-3	75-5	28-9	30-2	85-9	76-5	6-1	6-5
February	29-778	29-732	79-1	85-9	75-6	79-0	87-6	72-8	80-2	90	5, 7, 9, 21, 23	66	28	73-7	76-2	28-6	30-9	84-3	73-1	3-8	6-1
March	29-773	29-728	77-5	83-1	75-4	78-5	85-0	73-5	79-3	89	4, 5, 7	69	1	74-6	76-6	29-3	31-3	90-7	81-2	7-0	7-5
April	29-846	29-793	76-6	84-1	73-2	77-2	85-6	70-7	78-1	92	2	67	21, 23, 27, 28	71-6	74-1	26-5	28-9	84-8	72-6	4-7	5-6
May	29-903	29-851	74-5	82-2	72-0	75-5	84-0	69-7	76-9	89	10	65	21, 23	70-5	72-3	25-7	27-1	88-5	72-7	5-3	6-6
June	29-969	29-906	70-0	81-0	67-5	72-9	82-4	63-8	73-1	85	1, 8, 23, 24	57	4	66-0	68-5	21-9	24-0	87-4	66-7	1-9	3-9
July	29-934	29-879	69-5	80-5	67-6	73-6	81-4	64-8	73-1	84	7, 15, 25, 26	56	12	66-5	70-0	22-4	25-3	90-9	71-0	4-4	4-4
August	29-886	29-824	72-5	81-3	69-7	76-1	82-8	66-7	74-8	87	17	58	10, 28	68-1	73-6	23-7	28-6	86-2	78-0	4-1	4-1
September	29-961	29-899	73-1	81-7	68-6	75-2	82-8	65-1	74-0	87	14	58	20	66-1	72-0	22-0	27-1	78-6	73-3	3-2	3-0
October	29-917	29-858	76-9	83-0	71-8	75-7	84-1	68-6	76-4	87	20	64	24, 25	69-2	72-3	24-4	27-2	77-1	70-4	3-2	3-6
November	29-862	29-813	77-7	83-3	71-5	75-7	84-6	67-5	76-0	88	23	62	8, 9	68-2	72-2	23-6	27-1	73-2	69-4	2-3	3-1
December	29-815	29-767	78-9	84-8	72-8	76-3	86-3	70-5	78-4	88	Var.	60	25	69-8	72-3	25-0	27-3	73-7	66-5	3-5	3-4
Year	29-863	29-810	75-4	82-9	71-8	76-1	84-4	69-8	76-7	..	....	..	....	69-9	73-0	25-2	27-9	83-4	72-6	4-1	4-8
Mean ...	8h. and 14h. 29-837		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

Observer: The Wireless Officer, Lautoka. Position of Station: Lat. 17° 36' S., Long. 177° 27' E. Altitude, 15 feet.

SUMMARY OF METEOROLOGICAL OBSERVATION AT LAUTOKA FOR THE YEAR 1939.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of						Wind. Number of Observations.																					
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder- storms	Gales.	Clear Sky		Overcast	N.		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.		Var.			
									8h	14h		8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	18-09	...	...	....	...	0	4	3	3	0	11	11	2	15	3	3	1	2	0	0	3	2	3	1	0	3	0	4	19	1	0	0	0
February	9-42	...	...	....	...	0	4	0	12	1	7	5	3	9	1	1	1	1	0	0	0	2	1	1	1	4	0	10	21	0	0	0	0
March	27-49	...	...	....	...	0	3	0	3	0	15	13	1	13	4	7	8	0	0	0	0	0	1	0	1	4	1	5	15	2	0	0	0
April	7-74	...	...	....	...	0	4	2	6	1	6	6	0	14	4	3	3	1	0	1	1	0	0	5	0	2	1	4	21	0	0	0	0
May	9-75	...	...	....	...	0	0	0	6	0	9	9	0	8	3	4	1	2	0	1	1	0	0	2	0	5	2	8	24	1	0	0	0
June	0-86	...	...	....	...	0	0	0	16	7	1	4	0	4	2	2	5	1	0	2	1	3	0	3	0	4	0	11	22	0	0	0	0
July	1-38	...	...	....	...	0	1	0	11	7	6	6	1	6	4	2	4	0	0	0	5	5	1	4	0	5	0	7	16	2	0	0	0
August	5-54	...	...	....	...	0	0	0	10	8	6	5	2	10	5	6	1	0	1	1	5	5	0	1	1	4	0	3	16	1	0	0	0
September	1-14	...	...	....	...	0	0	0	10	6	0	0	0	9	0	0	0	0	0	1	7	3	0	2	0	8	0	7	23	0	0	0	0
October	1-93	...	...	....	...	0	1	0	8	2	1	0	1	13	2	0	0	0	0	0	1	0	1	2	0	7	0	5	26	4	0	0	0
November	3-94	...	...	....	...	0	0	0	12	4	0	0	2	14	2	0	2	0	1	1	0	0	0	3	0	8	0	4	23	0	0	0	0
December	4-04	...	...	....	...	0	0	1	10	6	0	0	0	7	4	6	3	0	4	1	0	1	2	2	0	8	0	4	18	2	0	0	0
Year ...	91-32	...	...	....	...	0	17	6	107	42	62	59	12	122	34	34	29	7	6	8	24	21	9	26	3	62	4	72	244	13	0	0	0
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

EXTREMES FOR THE YEAR.

Highest Pressure—30-100" at 8 a.m. on June 5th.
 Lowest Pressure—28-827" at 2 p.m. on January 19th.
 Highest Temperature in Shade—92° on April 2nd.
 Lowest Temperature in Shade 56° on July 12th.

Greatest Range—27° on July 15th.
 Least Range—4° on January 11th.
 Most Rain in 24 hours—5-10" on January 21st.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LEVUKA FOR THE YEAR 1939.

Months.	Mean Pressure in inches. (Reduced to 32 Fahr. 45' Lat. and M.S.L.)		Air Temperature (F)											Mean Dew Point (Degrees).		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation = 100).		Mean Amount of Cloud (0-10).	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.			Max.	Date.	Min.									Date.
	8h.	14h.	8h.	14h.	8h.	14h.								8h.	14h.	8h.	14h.	8h.	14h.	8h.	14h.
January	29-710	....	80-5	..	77-8	..	83-1	74-8	79-0	86	7, 23	71	11	76-7	..	31-3	..	88-2	..	..	..
February	29-760	29-737	82-2	83-0	79-5	80-1	83-7	76-2	79-9	88	17	71	15	78-4	78-9	33-4	33-9	88-7	87-9	..	..
March	29-762	29-730	80-0	81-0	77-4	77-6	82-2	74-9	78-2	85	3, 18, 29	69	11	76-5	76-3	30-9	31-0	88-5	85-8	8-1	7-7
April	29-843	29-795	79-1	79-8	76-4	77-0	81-7	74-3	78-0	84	1, 24, 25, 29	71	13	75-2	75-9	29-9	30-5	88-0	87-9	6-6	6-9
May	29-896	29-844	77-8	78-6	75-1	75-5	80-6	72-5	76-6	85	8, 9	68	30	73-8	74-4	28-7	29-0	87-7	86-8	6-8	8-1
June	29-954	29-905	77-8	76-9	72-8	72-5	79-1	70-5	74-8	84	21	67	5, 19	70-2	70-2	25-3	25-4	77-8	80-3	4-0	4-7
July	29-917	29-864	77-0	76-2	71-6	71-7	79-3	70-7	75-0	87	6	67	2, 3, 10	68-8	69-3	24-2	25-0	76-9	79-4	5-6	6-3
August	29-875	29-825	76-7	76-9	72-4	72-4	78-8	73-4	76-1	84	22	69	3	70-3	70-3	25-4	25-5	80-9	80-1	5-8	6-1
September	29-954	29-902	76-0	76-3	71-4	71-4	78-4	73-9	76-2	84	25	70	9, 21	69-6	69-0	24-8	24-3	80-9	78-2	6-4	5-9
October	29-912	29-860	78-0	77-9	73-9	73-6	80-0	75-6	77-8	85	9	71	24	71-9	71-6	26-9	26-5	81-7	80-5	6-7	6-7
November	29-866	29-827	77-1	77-2	73-4	73-3	79-3	73-9	76-6	87	13, 14	68	18	71-6	71-6	26-7	26-4	83-6	82-8	6-8	6-7
December	29-818	29-791	79-9	80-6	75-2	75-9	82-0	74-7	78-4	86	16, 18, 27	70	23	73-1	73-6	28-0	28-6	80-2	79-9	7-5	7-1
Year	29-856	29-825	78-5	78-6	74-7	74-6	80-7	73-8	77-2	..	....	..	....	73-0	72-8	28-0	27-8	83-6	82-7	6-4	6-6
Mean ...	8h. and 14h. 29-841		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

Observer: The Wireless Officer, Levuka. Position of Station: Lat. 17° 41' S., Long. 178° 48' E. Altitude, 10 feet.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LEVUKA FOR THE YEAR 1939.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of						Wind. Number of Observations.																				
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder- storms.	Gales.	Clear Sky.	Overcast.	N.	N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.		Var.				
									8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h		
January	28.38	...	...	....	...	0	0	..	..	..	..	..	10	..	3	..	5	..	5	..	3	..	1	..	0	..	4	..	0	..	0	..
February	7.73	...	...	....	...	0	0	0	..	..	..	..	4	5	3	0	2	4	10	13	5	3	1	0	0	0	3	3	0	0	0	0
March	25.71	...	...	....	...	0	0	0	0	0	17	14	9	11	4	3	5	6	8	5	3	5	0	0	0	0	2	1	0	0	0	0
April	20.65	...	...	....	...	0	0	0	0	0	11	14	0	2	3	1	6	6	14	18	4	2	0	0	0	0	3	1	0	0	0	0
May	17.19	...	...	....	...	0	0	0	0	0	10	17	4	4	4	2	0	4	18	18	5	3	0	0	0	0	0	0	0	0	0	0
June	2.81	...	...	....	...	0	0	0	9	8	5	4	1	2	1	1	4	2	16	21	7	4	1	0	0	0	0	0	0	0	0	0
July	3.07	...	...	....	...	0	0	0	6	5	10	13	4	6	3	2	1	3	6	10	12	8	1	1	0	0	2	1	2	0	0	0
August	5.66	...	...	....	...	0	0	0	5	5	8	10	3	3	4	7	6	3	8	8	6	9	3	1	0	0	1	0	0	0	0	0
September	3.41	...	...	....	...	0	0	0	2	2	10	8	1	2	1	1	3	3	15	15	10	7	0	1	0	0	0	1	0	0	0	0
October	2.52	...	...	....	...	0	0	0	0	0	8	9	0	1	1	0	9	9	18	18	2	3	1	0	0	0	0	0	0	0	0	0
November	8.14	...	...	....	...	0	0	0	0	0	10	11	1	1	1	1	5	5	11	13	12	10	0	0	0	0	0	0	0	0	0	0
December	3.85	...	...	....	...	0	0	0	0	0	14	13	2	0	1	1	4	7	15	16	7	6	2	0	0	0	0	1	0	0	0	0
Year ...	129.12	...	...	....	...	0	0	0	22	20	103	113	39	37	29	19	50	52	144	155	76	60	10	3	0	0	15	8	2	0	0	0
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

EXTREMES FOR THE YEAR.

Highest Pressure—30.077" at 8 a.m. on June 5th.

Lowest Pressure—29.098" at 8 a.m. on January 21st.

High Temperature in Shade—88° on February 17th.

Lowest Temperature in Shade—67° on June 15th and 19th and July 2nd, 3rd and 10th.

Greatest Range—17° on July 2nd and 4th.

Least Range—1° on Various dates.

Most Rain in 24 hours—6.00" on March 15th.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ROTUMA BY OR THE YEAR 1939.

Months.	Mean Pressure in inches. (Reduced to 32° Fah. 45° Lat. and M.S.L.)		Air Temperature (F°)											Mean Dew Point. (Degrees)		Mean Vapour Pressure in Millibars.		Mean Relative Humidity (Saturation= 100)		Mean Amount of Cloud. (0-10)	
			Mean Dry Bulb.		Mean Wet Bulb.		Means of		Mean	Absolute Max. and Min.											
							Max.	Min.		Max.	Date.	Min.	Date.								
	8h.	14h.	8h.	14h.	8h.	14h.								8h	14h	8h	14h	8h	14h.	8h	14h
January	29-747	29-708	80-3	83-5	77-0	78-0	85-3	75-1	80-2	88	6	72	3, 11, 27	75-5	75-7	30-2	30-4	85-5	77-8	7-0	6-6
February	29-773	29-735	80-6	83-7	77-4	78-5	85-7	74-8	80-3	88	7, 8	71	16, 19	75-9	76-6	30-6	31-1	86-1	79-1	6-2	7-0
March	29-773	29-740	80-2	83-0	77-1	78-1	84-6	74-5	79-6	88	4, 30	72	10	75-7	75-9	30-3	30-7	86-4	80-0	7-3	7-6
April	29-804	29-758	79-8	82-6	76-6	77-4	84-1	75-0	79-6	87	2, 18, 19, 20	72	11	75-4	75-1	29-8	29-7	86-1	78-6	6-3	6-8
May	29-851	29-807	80-6	83-8	77-1	78-5	85-6	75-5	80-6	89	10	71	20	75-7	76-4	30-4	31-0	85-2	78-2	5-0	5-8
June	29-901	29-854	78-9	82-8	73-7	75-7	84-1	74-7	79-4	86	11	70	7	71-1	72-5	26-4	27-4	78-0	71-3	4-3	5-0
July	29-898	29-851	78-3	82-8	74-8	76-5	84-1	74-4	79-2	86	14, 16, 21, 24	72	31	73-2	73-9	27-9	28-5	84-7	74-5	4-5	5-0
August	29-836	29-792	79-5	83-4	75-8	77-3	85-0	75-0	80-0	87	22, 24, 28	72	3, 31	74-2	74-7	28-8	29-4	84-0	75-1	4-3	4-9
September	29-912	29-861	79-5	83-1	74-9	76-6	84-5	75-3	79-9	87	26	73	10, 29	72-8	73-8	27-6	28-6	80-1	73-5	5-3	5-9
October	29-867	29-814	79-9	82-8	76-3	77-7	85-4	74-8	80-1	89	9	71	17	74-8	75-7	29-5	30-3	84-2	79-3	6-3	6-7
November	29-816	29-771	80-4	83-3	76-6	77-8	85-0	75-5	80-2	88	17	73	4, 28	75-0	75-4	29-7	30-1	83-8	77-7	6-1	6-4
December	29-791	29-752	80-5	84-0	77-2	78-9	85-7	75-5	80-6	89	14, 20	72	16	75-6	76-3	30-4	31-0	85-8	77-8	6-7	6-9
Year	29-831	29-787	79-9	83-2	76-2	77-6	84-9	75-0	80-0	..	....	..	....	74-6	75-2	29-3	29-9	84-2	76-9	5-8	7-1
Mean ...	8h. and 14h. 29-809		..	..	..	..	..	..	..	..	....	..	....	..	..	..	..	..	..	..	..

Observer: Mr. A. E. Cornish. Position of Station: Lat. 12° 30' S., Long. 177° 01' E. Altitude, 90 feet.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ROTUMA FOR THE YEAR 1939.—*continued.*

Months.	Total Rainfall (Inches.)	Sunshine. (Hours and Tenths.)		Miles of Wind.		Weather. No. of days of						Wind. Number of Observations.																				
		Total.	Mean daily	Total.	Mean velocity (m.p.h.)	Hail.	Thunder- storms.	Gales.	Clear Sky		Overcast	N		N.E.		E.		S.E.		S.		S.W.		W.		N.W.		Calms.		Var.		
									8h	14h		8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h	8h	14h
January	7.81	209.6	6.8	....	...	0	0	0	0	0	7	8	1	4	10	8	5	3	1	1	0	1	4	2	3	3	5	9	2	0	0	0
February	9.20	211.0	7.5	....	...	0	0	0	0	0	5	6	2	4	2	4	8	5	3	2	0	0	1	1	4	2	8	10	0	0	0	0
March	15.39	145.1	4.7	....	...	0	0	0	1	0	13	14	9	11	4	1	0	0	3	3	0	3	0	2	1	1	10	10	4	0	0	0
April	18.64	192.3	6.4	....	...	0	0	1	1	0	7	9	2	5	4	6	12	6	6	8	1	1	0	0	0	1	5	3	0	0	0	0
May	6.67	265.4	8.6	....	...	0	0	0	0	0	1	2	1	4	6	4	11	10	5	6	0	2	0	1	0	0	1	3	7	1	0	0
June	4.64	259.0	8.6	....	...	0	0	0	4	1	3	3	0	2	1	1	17	8	11	17	0	1	0	0	0	0	0	1	1	0	0	0
July	3.87	269.5	8.7	....	...	0	0	0	4	1	1	1	2	7	5	2	12	5	7	13	0	2	0	0	0	0	0	1	5	1	0	0
August	7.31	279.5	9.0	....	...	0	0	0	3	0	0	0	2	7	3	5	12	8	5	8	1	1	0	0	0	0	0	2	8	0	0	0
September	4.44	244.5	8.2	....	...	0	0	0	1	0	3	2	1	1	0	0	8	4	17	21	1	2	0	1	0	0	2	1	1	0	0	0
October	12.71	204.6	6.6	....	...	0	0	0	0	0	10	5	1	1	2	2	14	13	6	7	2	3	1	1	0	0	2	3	3	1	0	0
November	14.94	217.7	7.3	....	...	0	0	0	0	0	5	5	1	2	3	3	10	7	9	11	2	3	0	1	0	0	2	3	3	0	0	0
December	13.02	187.5	6.0	....	...	0	0	0	0	0	11	6	7	10	6	5	6	4	7	7	0	0	1	1	1	1	1	3	2	0	0	0
Year ...	118.64	2685.7	7.4	....	...	0	0	1	14	2	66	61	29	58	46	41	115	73	80	104	7	19	7	10	9	8	36	49	36	3	0	0
Mean ..	...	...	...	....	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

EXTREMES FOR THE YEAR.

Highest Pressure—30.015" at 8 a.m. on September 6th.

Lowest Pressure—29.436" at 8 a.m. on April 4th.

Highest Temperature in Shade—89° on May 10th, October 9th, and December 14th and 20th.

Lowest Temperature in Shade—70° on June 7th.

Greatest Range—16° on May 20th.

Least Range—2° on November 18th.

Most Rain in 24 hours—5.18" on April 4th.

1939

RETURN OF MAXIMUM, MINIMUM AND MEAN TEMPERATURES, WITH ABSOLUTE MAXIMUM AND MINIMUM AND DATES OF THEIR OCCURRENCE, AT FIVE STATIONS CONTROLLED BY THE COLONIAL SUGAR REFINING CO., LTD.

Months.	LABASA.							LAUTOKA.						
	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.
January ..	86.0	73.1	79.6	90	9 16	70	7, 10, 13	85.5	73.0	79.2	91	4	70	19
February ..	86.8	73.0	79.9	94	2	70	6, 28	88.3	74.0	81.1	91	1, 10, 18, 23, 24, 28	70	19
March ..	84.8	71.3	78.0	94	31	67	16	85.7	73.2	79.4	90	1, 6	70	2
April ..	84.4	69.9	77.1	88	1	65	5	85.5	71.9	78.7	92	3	69	11, 17, 21, 22
May ..	84.1	70.5	77.3	87	11, 15	65	31	84.5	70.0	77.2	92	10	64	4
June ..	83.7	64.7	74.2	89	9, 22	58	29, 30	84.3	66.1	75.2	87	23	62	5
July ..	83.9	65.3	74.6	88	24	61	1, 3, 4, 5, 6, 13	83.2	65.7	74.4	89	8	63	11, 12, 13, 15, 17, 20
August ..	84.6	66.9	75.7	89	11, 12	59	10	84.1	67.5	75.8	87	4, 11, 16	63	28, 31
September ..	85.3	66.2	75.8	91	29	60	18	84.3	67.1	75.7	92	4	63	20
October ..	87.1	69.7	78.4	90	1, 7, 9	65	18	85.7	71.8	78.9	89	27	69	28
November ..	87.2	69.2	78.2	91	25	62	10	86.3	70.7	78.5	91	16	65	24
December ..	87.5	71.3	79.4	91	1, 16	60	23	86.1	71.4	78.7	89	12, 30	65	27
Year ..	85.5	69.3	77.4	94	....	58	....	85.3	70.2	77.7	92	....	62	....

Months.	NAUSORI.							PENANG.						
	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.
January ..	85.8	73.4	79.6	90	7	69	24, 25	87.5	73.5	80.5	93	2	70	9
February ..	86.8	73.2	80.0	92	11	70	28	88.1	74.4	81.3	94	6	72	6, 28
March ..	84.1	74.4	79.2	89	23	70	6, 7	85.5	73.4	79.5	91	2, 30	70	13
April ..	82.0	71.5	76.8	89	6	67	22	83.8	72.9	78.4	89	1	70	22
May ..	81.0	70.9	76.0	87	5	68	30, 31	83.2	72.5	77.9	89	9	69	27
June ..	79.4	66.5	72.9	84	9, 10, 12	62	28, 29	81.6	68.0	74.8	89	13, 22	62	20, 28
July ..	79.9	64.1	72.0	88	7	61	12, 24	83.7	65.3	74.5	88	24, 26	57	3
August ..	81.0	66.5	73.7	88	25	61	28, 29	84.4	68.4	76.4	91	11	63	10, 14
September ..	80.5	65.0	72.7	89	24, 25, 30	58	21	83.5	68.5	76.0	86	2, 13, 23, 26, 29, 30	64	21
October ..	80.6	67.9	74.2	89	1, 6	61	19, 21, 23, 25, 26	86.3	71.8	79.1	94	11, 19	67	7
November ..	80.2	67.2	73.7	85	25	62	3, 24	86.8	70.7	78.8	95	27	66	10
December ..	81.6	69.0	75.3	89	28	61	24	86.7	73.0	79.9	94	26	70	6, 14, 15, 22, 27
Year ..	81.9	69.1	75.5	92	....	58	....	85.1	71.0	78.1	95	....	57	....

RARAWAI.							
Months.	Mean Max.	Mean Min.	Mean.	Abs. Max.	Date.	Abs. Min.	Date.
January ..	87.2	72.5	79.8	94	17	69	24
February ..	88.2	71.8	80.0	94	7, 8	66	26, 27
March ..	84.5	72.2	78.4	93	7	69	11, 12
April ..	86.0	70.3	78.2	91	28	64	20, 27
May ..	84.8	69.1	77.0	89	11	63	24
June ..	83.5	62.0	72.8	90	24	58	2, 24
July ..	83.1	62.7	72.9	86	6, 9, 14	55	1, 12
August ..	85.3	64.4	74.9	92	13, 19	56	9
September ..	85.6	63.7	74.7	90	8, 30	57	11
October ..	86.1	67.4	76.8	90	1, 3, 11, 27	62	7
November ..	87.2	67.4	77.3	92	20, 26	61	10
December ..	88.1	69.0	78.6	30	30	61	23
Year ..	85.8	67.7	76.8	94	....	55	....

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1939.

Rainfall measured in Points: 100 points=1". a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Bucalevu Head Master, Provincial School.	Cakaudrove Taveuni.		1	a	1523	1054	1721	2453	1386	176	285	1017	152	120	274	546	10707
				c	18	11	18	21	22	10	9	10	6	2	5	11	143
				e	293 on 18th	213 on 14th	347 on 13th	420 on 14th	194 on 15th	41 on 3rd	128 on 6th	456 on 16th	93 on 26th	89 on 11th	94 on 16th	231 on 17th	456 on 16/8
Delainasau (Lekutu) L. N. Anderson.	Bua Vanua Levu.	71	20	a	2628	1671	3231	1865	806	18	406	411	184	242	214	627	12303
				b	1487	1615	1819	1031	750	237	213	227	230	398	752	1070	9829
			20	c	27	19	28	17	10	1	2	7	4	3	4	10	132
				d	15	15	18	11	8	3	2	3	3	4	7	10	99
				e	480 on 20th	532 on 14th	360 on 16th	640 on 5th	206 on 6th	18 on 30th	350 on 31st	111 on 1st	65 on 26th	140 on 12th	105 on 28th	210 on 27th	640 on 5/4
Deloi (Buca Bay) A. MacKenzie.	Cakaudrove Vanua Levu	51	25	a	2205	904	1808	2252	761	71	450	767	216	744	225	381	10784
				b	1048	1215	1224	1128	881	389	308	392	430	557	903	1257	9732
			25	c	20	19	22	23	15	6	10	13	4	10	8	10	160
				d	13	12	15	13	8	5	5	6	6	7	9	12	111
				e	387 on 18th	230 on 16th	325 on 15th	338 on 6th	200 on 19th	27 on 9th	150 on 29th	215 on 16th	153 on 27th	418 on 10th	80 on 16th	100 on 27th	418 on 10/10
Devo (Buca Bay) R. S. Lyons.	Cakaudrove Vanua Levu.	70	12	a	2360	1530	3620	2835	715	30	335	335	170	420	155	509	13014
				b	1236	1329	1452	1235	946	305	337	474	347	709	886	1258	10514
			12	c	18	12	18	19	20	3	9	7	5	5	3	9	128
				d	14	12	15	12	13	6	7	7	6	7	9	12	120
				e	310 on 19th	240 on 16th	400 on 15th	310 on 3rd	160 on 13th	15 on 3rd	115 on 28th	145 on 19th	50 on 14, 26	250 on 23rd	124 on 2nd	125 on 31st	400 on 15/3
Kanacea H. P. Little.	Lau Kanacea.		14	a	1593	433	1472	1769	1554	168	406	1004	212	340	319	359	9629
				b	969	714	894	579	796	206	250	452	374	409	583	696	6922
			13	c	20	12	18	23	22	13	11	8	7	6	12	13	165
				d	15	12	14	12	11	7	6	10	8	9	10	12	126
				e	331 on 18th	119 on 14th	310 on 14th	311 on 2nd	506 on 20th	50 on 12th	123 on 14th	485 on 17th	78 on 26th	278 on 6th	90 on 3rd	88 on 4th	506 on 20/5
Katafaga T. O. U. Stockwell.	Lau Katafaga.	8	18	a	928	422	1469	823	1042	300	310	411	124	430	410	148	6817
				b	815	674	934	681	646	328	238	383	299	385	504	486	6373
			9	c	18	14	18	14	14	7	7	5	4	2	7	6	116
				d	15	13	15	12	12	9	7	9	7	8	9	11	127
				e	323 on 19th	127 on 15th	368 on 14th	180 on 3rd	378 on 8th	205 on 19th	157 on 17th	222 on 18th	59 on 8th	350 on 5th	130 on 13, 17	65 on 18th	378 on 8/5
Labasa Manager, C.S.R. Co., Ltd.	Macuata Vanua Levu.	15	45	a	4856	1189	3020	1483	964	60	261	324	134	175	463	540	10469
				b	1304	1442	1438	839	484	210	185	183	276	364	598	1013	8336
			29	c	18	14	26	17	20	9	9	8	4	5	9	10	149
				d	17	17	18	12	11	5	5	7	7	8	11	15	133
				e	308 on 17th	467 on 14th	729 on 16th	650 on 5th	191 on 6th	30 on 14th	86 on 18th	218 on 18th	93 on 27th	104 on 12th	235 on 4th	190 on 18th	729 on 16/3
Labasa Wireless Officer.	Macuata Vanua Levu	150	2	a	1834	1149	2576	1553	956	45	248	355	140	159	461	597	10073
				c	22	15	27	19	21	8	9	9	3	6	7	10	156
				e	251 on 27th	366 on 14th	457 on 7th	668 on 5th	229 on 6th	23 on 14th	90 on 17th	167 on 18th	115 on 26th	74 on 11th	235 on 3rd	198 on 17th	666 on 5/4
Lakeba Head Master, Provincial School.	Lau Lakeba	87	12	a	1323	170	915	758	679	57	223	492	144	85	267	121	5234
				b	911	732	1102	841	732	322	356	376	278	499	722	452	7323
			12	c	18	6	9	15	8	6	9	7	3	1	4	5	91
				d	17	15	19	16	15	11	10	11	11	11	12	12	160
				e	348 on 18th	65 on 3rd	298 on 13th	261 on 3rd	213 on 31st	20 on 10th	121 on 31st	382 on 17th	65 on 24th	85 on 5th	123 on 1st	37 on 28th	382 on 17/8
Lautoka Manager, C.S.R. Co., Ltd.	Lautoka Viti Levu.		39	a	1703	963	2522	776	962	65	160	610	106	243	413	352	8875
				b	940	1278	1268	615	456	198	199	333	233	330	432	776	7058
			31	c	18	16	19	12	16	3	5	5	4	9	7	9	123
				d	14	15	16	11	8	5	5	5	5	8	8	11	111
				e	443 on 21st	303 on 15th	506 on 13th	506 on 6th	273 on 5th	54 on 29th	85 on 8th	156 on 18th	41 on 1st	70 on 16th	116 on 15th	171 on 28th	506 on 13/3, 6/4
Lautoka Wireless Officer.	Lautoka Viti Levu.	15	2	a	1809	942	2749	774	975	86	138	554	114	193	394	404	9132
				c	20	17	25	14	16	3	6	6	4	5	6	9	131
				e	510 on 21st	301 on 14th	388 on 15th	434 on 5th	270 on 7th	57 on 28th	47 on 30th	288 on 20th	45 on 25th	59 on 16th	108 on 15th	192 on 28th	510 on 21/1

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1939.—continued.

Rainfall measured in Points: 100 points=1". a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
✓ Lawaqa District Commissioner.	Nadroga Viti Levu.	15	33	a	1931	1137	1658	602	1395	77	504	596	70	285	640	487	9382
				b	899	926	1024	612	564	320	358	506	318	369	510	686	7082
			33	c	17	13	23	11	16	5	13	13	5	9	7	10	142
				d	13	13	14	9	9	6	7	8	6	7	8	10	110
				e	504 on 5th	450 on 15th	395 on 14th	334 on 6th	400 on 8th	45 on 28th	110 on 20th	195 on 19th	38 on 7th	75 on 12th	247 on 15th	217 on 27th	540 on 5/1
✓ Levuka Wireless Officer ..	Lomaviti Ovalau.	8	45	a	2838	773	2571	2065	1719	281	307	566	341	252	814	385	12912
				b	950	1079	1258	1075	816	422	390	539	527	598	826	898	9378
			45	c	22	17	21	23	23	12	17	14	11	8	17	12	197
				d	18	18	20	18	16	12	12	14	13	12	14	15	182
				e	536 on 11th	202 on 15th	600 on 15th	340 on 16th	256 on 20th	72 on 1st	100 on 31st	240 on 18th	150 on 22nd	105 on 22nd	260 on 15th	150 on 29th	600 on 15/3
Lomaloma District Commissioner.	Lau Vanua Balavu.	12	2	a	1814	592	1684	1502	1259	315	490	459	309	229	306	314	9273
				b	21	15	18	17	17	11	11	7	9	5	8	12	151
				c	436 on 18th	156 on 14th	323 on 15th	278 on 4th	444 on 19th	76 on 8th	119 on 15th	207 on 16th	130 on 26th	120 on 6th	145 on 17th	56 on 27th	444 on 19/5
✓ Makogai Medical Superintendent.	Lomaiviti Makogai	12	26	a	1485	585	2428	2180	1954	94	295	375	181	48	363	252	10240
				b	786	848	1081	969	733	312	277	363	367	411	584	931	7662
			25	c	20	12	22	17	22	12	12	13	11	10	9	12	172
				d	16	15	18	15	15	10	9	11	11	11	11	14	156
				e	296 on 22nd	167 on 16th	407 on 15th	512 on 16th	371 on 15th	16 on 7, 8	83 on 21st	172 on 18th	39 on 26th	14 on 22nd	104 on 17th	83 on 29th	512 on 16/4
Mago H. Powell.	Lau Mago		12	a	1719	328	1329	1527	1402	162	347	767	340	245	343	186	8695
				b	816	781	1145	809	858	241	339	446	338	491	647	680	7591
			12	c	24	14	24	20	22	19	12	11	8	9	6	14	183
				d	15	13	16	13	13	9	9	10	8	9	10	12	137
				e	372 on 18th	95 on 14th	169 on 15th	440 on 2nd	422 on 14th	56 on 21st	100 on 20th	410 on 17th	110 on 8, 22	85 on 6th	126 on 13th	33 on 5th	440 on 2/4
✓ Mua S. A. Bull.	Cakaudrove Taveuni.	200	20	a	1719	1023	2129	2278	1788	191	219	1422	246	260	504	603	12382
				b	1279	1322	1191	1307	1209	472	423	585	593	769	1103	1228	11481
			20	c	22	22	23	25	26	22	11	12	12	9	13	15	212
				d	18	17	18	15	16	12	10	12	12	14	15	17	176
				e	373 on 18th	178 on 14th	675 on 15th	554 on 12th	545 on 19th	33 on 16th	63 on 30th	759 on 16th	61 on 8th	110 on 19th	138 on 16th	179 on 8th	759 on 16/8
✓ Munia W. M. Hazard.	Lau Munia.	67	44	a	1352	362	1499	1378	947	159	393	546	179	241	292	387	7735
				b	800	751	890	772	613	387	275	383	336	466	562	656	6892
			33	c	21	12	20	16	20	12	10	6	7	7	8	10	149
				d	18	17	20	16	14	12	11	12	11	10	11	16	168
				e	296 on 18th	139 on 14th	219 on 15th	495 on 2nd	268 on 20th	37 on 19th	140 on 16th	331 on 17th	77 on 26th	81 on 6th	69 on 13th	175 on 17th	495 on 2/4
Nabouwalu District Officer.	Bua Vanua Levu.		21	a	1868	1455	3019	1670	1724	63	236	444	122	83	616	332	11632
				b	1329	1472	1392	1050	902	406	367	450	557	677	806	1180	10588
			18	c	21	12	26	19	25	4	10	11	4	7	10	11	160
				d	14	15	17	13	13	8	8	8	7	7	9	10	129
				e	310 on 20th	317 on 13th	500 on 16th	270 on 5th	370 on 9th	26 on 23rd	54 on 30th	223 on 17th	42 on 19th	20 on 31st	260 on 3rd	130 on 27th	500 on 16/3
✓ Nadarivatu Miss L. Reay.	Colo North Viti Levu.	2,740	39	a	6759	2761	5575	2524	1797	42	627	912	187	436	377	1078	23075
				b	2237	2681	2571	1301	750	335	368	565	450	515	808	1685	14266
			33	c	23	23	28	12	14	6	11	11	7	12	8	17	172
				d	21	21	24	17	14	9	7	9	9	11	14	19	175
				e	2000 on 20th	680 on 13th	1150 on 15th	1300 on 5th	367 on 7th	14 on 28th	118 on 20th	256 on 20th	62 on 25th	99 on 20th	130 on 29th	450 on 27th	2000 on 20/1
✓ Nailaga Mrs. B. C. Bock.	Ba Viti Levu.	15	10	a	2082	1789	3099	825	1059	19	225	373	74	387	269	364	10565
				b	1021	1688	1758	676	375	107	198	195	255	302	466	805	7846
			10	c	22	17	27	10	13	1	10	7	3	11	8	12	141
				d	12	13	16	10	7	3	4	3	5	6	10	11	100
				e	621 on 21st	556 on 14th	829 on 15th	490 on 5th	370 on 7th	19 on 28th	53 on 20th	293 on 19th	44 on 25th	185 on 13th	70 on 26th	175 on 10th	829 on 15/3

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1939.—continued.

Rainfall measured in Points: 100 points=1". a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Naitauba	Lau	15	20	a	2273	725	1733	2547	1886	102	325	511	138	393	386	727	11746
G. M. Hennings.	Naitauba.			b	963	899	1004	948	835	301	285	473	370	510	707	871	8166
			12	c	19	11	21	22	18	14	13	9	7	6	7	13	160
				d	15	13	17	14	12	8	8	10	8	9	11	13	138
				e	450 on 26th	250 on 14th	288 on 15th	472 on 15th	1090 on 20th	17 on 3rd	70 on 8th	273 on 17th	37 on 22nd	238 on 6th	183 on 3rd	355 on 17th	1090 on 20/5
Naitonitoni	Serua (Navua)	8	23	a	3062	922	2147	2970	2579	199	470	884	347	1126	1257	586	16549
District Commissioner.	Viti Levu.			b	1251	1130	1387	1376	1266	774	646	822	869	1002	1226	1315	13064
			23	c	23	19	22	20	18	4	8	8	8	13	11	10	164
				d	17	16	18	16	16	10	11	12	13	12	14	15	170
				e	418 on 9th	230 on 17th	505 on 8th	1023 on 6th	366 on 14th	68 on 17th	108 on 17th	308 on 18th	100 on 19th	180 on 17th	275 on 16th	214 on 11th	1023 on 6/4
Namaka	Nadi	100	1	a	2297	1508	2295	1058	1132	9	445	816	39	237	380	147	10363
Head Master Provincial School.	Viti Levu.			c	15	13	23	13	14	3	6	9	2	6	6	11	121
				e	671 on 22nd	501 on 15th	693 on 15th	484 on 6th	336 on 8th	5 on 10th	158 on 7th	275 on 17th	27 on 18th	170 on 15th	152 on 16th	37 on 30th	693 on 15/3
Nasinu (Citrus Research Station).	Rewa		9	a	2587	724	2679	1756	1837	110	579	641	359	419	1223	500	13414
H. R. Surridge.	Viti Levu.			b	1380	1243	1785	1252	1399	366	745	752	765	1111	1430	1399	13627
			9	c	31	25	26	25	27	16	15	18	15	20	20	16	254
				d	23	21	25	23	23	16	16	18	17	20	21	20	243
				e	400 on 19th	124 on 16th	800 on 15th	256 on 16th	400 on 19th	32 on 11th	103 on 29th	270 on 17th	125 on 9th	51 on 14th	277 on 3rd	121 on 10th	800 on 15/3
Nausori	Tailevu	23	45	a	2961	797	2694	1349	1716	136	333	486	302	366	1487	327	12954
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	1264	1273	1443	1186	1055	581	475	645	647	824	953	1323	11669
			30	c	24	19	29	18	29	10	10	14	12	15	16	11	207
				d	21	21	23	20	20	16	15	16	18	16	17	19	222
				e	458 on 20th	150 on 12th	549 on 16th	214 on 6th	384 on 20th	38 on 1st	100 on 31st	229 on 18th	110 on 25th	118 on 14th	380 on 25th	60 on 27th	549 on 16/3
Navai Valley	Colo North			a	6344	2086	4381	3465	1778	78	356	1008	167	.....	32	1016	.....
W. E. Goodsir.	Viti Levu.			c	24	22	30	22	27	7	10	14	4	.....	6	10	.....
				e	1876 on 22nd	698 on 16th	1001 on 16th	1412 on 6th	424 on 8th	25 on 8th	97 on 8th	245 on 18th	106 on 26th	.....	14 on 20th	.....	.....
Naviti Island	Lautoka		5	a	1445	1429	3887	754	806	52	562	694	147	491	481	1077	11825
Capt. F. Giblin.	Yasawa Islands.			c	15	11	24	6	12	3	8	7	3	7	5	12	113
				e	291 on 21st	338 on 14th	676 on 8th	497 on 4th	166 on 27th	33 on 27th	182 on 30th	285 on 19th	102 on 25th	222 on 10th	148 on 16th	430 on 10th	676 on 8/3
Navo	Nadi		38	a	2089	1189	1751	731	951	19	297	719	33	384	472	320	8955
W. MacLeod.	Viti Levu.			b	954	1141	1090	507	381	204	209	331	247	306	405	766	6541
			30	c	16	8	16	15	13	2	6	8	3	9	6	11	113
				d	13	14	15	9	7	4	4	5	4	6	8	11	100
				e	935 on 21st	380 on 14th	362 on 14th	309 on 5th	297 on 7th	14 on 28th	132 on 20th	295 on 20th	18 on 25th	118 on 13th	207 on 16th	130 on 27th	935 on 21/1
Navuso	Naitasiri	24	8	a	4022	990	2489	1732	2329	72	287	583	373	458	1301	599	15235
B. E. Parham.	Viti Levu.			b	1681	1200	1394	1597	1562	352	548	722	803	1058	1410	1674	14001
			8	c	26	19	23	22	20	7	12	16	11	18	17	18	209
				d	21	20	22	21	22	16	15	17	15	17	19	20	225
				e	927 on 8th	217 on 11th	675 on 15th	235 on 5th	450 on 19th	15 on 6th	47 on 16th	264 on 17th	227 on 25th	240 on 15th	286 on 26th	120 on 1st	927 on 8/1
Nayavu	Tailevu	180	5	a	3286	654	2218	2407	2354	176	213	524	319	334	525	516	13526
J. Vunivola.	Viti Levu.			c	21	11	16	20	23	5	7	10	6	12	11	12	154
				e	483 on 9th	173 on 21st	427 on 14th	496 on 6th	355 on 8th	64 on 14th	53 on 31st	185 on 18th	194 on 27th	65 on 14th	154 on 28th	224 on 28th	496 on 6/4
Penang	Ra		55	a	2178	1520	3011	1008	1281	53	126	551	70	141	104	525	10568
Manager, C.S.R. Co., Ltd.	Viti Levu.			b	1159	1481	1336	966	523	273	200	299	246	338	519	914	8254
			34	c	20	16	23	12	18	4	5	9	4	6	9	14	140
				d	15	16	18	14	11	7	6	7	7	8	10	13	132
				e	823 on 21st	266 on 16th	715 on 14th	492 on 6th	587 on 8th	22 on 30th	98 on 21st	268 on 18th	35 on 26th	115 on 14th	41 on 17th	118 on 29th	823 on 21/1
Qaraituva	Namosi		3	a	4079	1381	2171	2047	2908	254	323	698	284	1198	1186	1018	17547
Sister Yves.	Viti Levu.			c	31	25	26	25	30	13	11	17	13	18	18	18	245
				e	840 on 18th	230 on 14th	405 on 19th	440 on 5th	445 on 31st	48 on 7th	61 on 30th	205 on 17th	50 on 8, 9	300 on 1st	325 on 14th	227 on 10th	840 on 18/1

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1939.—continued.

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Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Rabi S. G. Lyons.	Cakaudrove Rabi.	110	35	a	1971	1389	3002	3032	1997	210	405	1073	203	246	382	793	14703
				b	1551	1535	1660	1566	1274	630	409	635	671	795	1118	1579	13423
			34	c	26	20	23	23	27	14	15	16	6	8	10	10	198
				d	19	18	19	18	17	13	12	12	13	12	14	17	184
				e	294 on 18th	236 on 14th	592 on 20th	715 on 13th	517 on 1st	51 on 24th	126 on 28th	391 on 18th	127 on 26th	120 on 12th	205 on 16th	260 on 31st	715 on 13/4
Rarawai Manager, C.S.R. Co., Ltd.	Ba Viti Levu.		45	a	2240	2074	3454	837	1163	15	135	781	53	498	352	418	12000
				b	1189	1692	1452	774	418	224	189	301	255	355	483	939	8271
			34	c	23	20	28	15	16	2	9	9	3	11	5	13	154
				d	16	17	17	12	8	6	4	5	5	8	10	13	121
				e	765 on 21st	649 on 14th	820 on 15th	491 on 5th	405 on 7th	14 on 28th	39 on 30th	374 on 17th	26 on 25th	207 on 13,14	180 on 26th	106 on 10th	820 on 15/3
Richmond Mrs. H. D. Cato.	Rewa Kadavu.		24	a	1579	1212	1373	908	821	30	237	509	209	244	506	692	8320
				b	750	787	777	634	681	288	311	523	298	432	362	474	6317
			24	c	24	19	22	21	18	8	8	9	6	8	8	12	163
				d	14	14	16	13	12	8	8	10	8	8	9	10	130
				e	206 on 21st	354 on 14th	290 on 14th	213 on 5th	183 on 7th	13 on 1st	80 on 30th	305 on 17th	110 on 25th	107 on 8th	191 on 15th	664 on 27th	664 on 27/12
Rotuma A. E. Cornish.	Rotuma (Lat. 12° 30' S. Long. 177° 01' E.)	87	35	a	781	920	1539	1864	667	464	387	731	444	1271	1494	1302	11864
				b	1411	1531	1427	1118	1248	876	795	944	896	1066	1293	1309	13914
			27	c	22	22	25	22	22	10	15	20	14	24	20	18	234
				d	22	21	21	20	20	17	18	20	19	20	21	21	240
				e	125 on 11th	205 on 18th	390 on 1st	518 on 4th	214 on 20th	144 on 13th	95 on 24th	140 on 18th	132 on 11th	362 on 29th	275 on 19th	335 on 4th	518 on 4/4
Saiyaro Mrs. M. Hunt.	Tailevu Viti Levu.	30	6	a	2727	747	3318	2342	3178	157	254	209	391	381	1483	456	15643
				c	20	14	24	18	24	8	6	6	8	13	13	11	165
				e	445 on 21st	205 on 21st	495 on 19th	398 on 15th	?	35 on 13th	100 on 25th	100 on 25th	115 on 24th	90 on 12th	300 on 26th	100 on 27th	495 on 19/3
Salia Levu G. B. Crabbe.	Cakaudrove Taveuni.	100	24	a	2248	868	2357	4661	3638	1002	1494	1929	1214	1643	2938	1268	25260
				b	1741	1660	1484	1784	2113	1494	1395	1537	2160	2084	1921	1905	21278
			24	c	22	18	24	21	23	13	14	15	14	16	17	15	212
				d	16	16	16	16	17	14	13	16	16	14	13	16	183
				e	387 on 18th	121 on 8th	618 on 19th	1270 on 15th	790 on 19th	301 on 13th	317 on 27th	906 on 17th	487 on 6th	609 on 11th	963 on 16th	214 on 4th	1270 on 15/4
Sigatoka (Cotton Station) C. M. Dass.	Nadroga Viti Levu.	160	13	a	2479	1151	1710	809	1018	48	390	731	140	681	563	464	10184
				b	1018	986	1087	724	556	226	322	399	302	374	534	707	7235
			13	c	29	14	23	17	20	8	15	15	7	12	10	15	185
				d	16	16	18	13	13	7	9	9	7	9	12	13	142
				e	626 on 21st	287 on 14th	477 on 14th	494 on 5th	337 on 4th	18 on 10th	117 on 7th	183 on 20th	67 on 25th	481 on 12th	202 on 16th	109 on 27th	626 on 21/1
Suva Harbour Master.	Rewa Viti Levu.		55	a	3071	571	2306	1698	2288	207	653	655	625	863	1082	696	14715
				b	1188	1120	1486	1227	1082	627	546	810	770	905	1034	1273	12068
			55	c	27	21	24	24	28	17	17	18	15	21	19	18	249
				d	23	22	25	23	22	18	18	19	19	19	19	22	249
				e	578 on 19th	81 on 4, 14	434 on 15th	331 on 5th	410 on 19th	61 on 11th	164 on 29th	197 on 17th	305 on 9th	151 on 10th	218 on 3rd	148 on 10th	578 on 19/1
Tamanna John Chapman.	Serua (Navua) Viti Levu.	30	9	a	2538	1148	1688	2503	2772	318	628	908	398	1875	1142	710	16628
				b	1582	1179	2007	1575	1715	629	764	975	828	1509	1457	1469	15699
			9	c	30	23	25	27	29	18	16	19	14	24	20	21	266
				d	23	22	25	25	25	17	17	19	17	22	22	21	252
				e	294 on 9th	175 on 14th	428 on 15th	615 on 15th	513 on 12th	69 on 28th	127 on 29th	156 on 4th	118 on 9th	1068 on 14th	255 on 14th	158 on 10th	1068 on 14/10
Tamavua No. 1 E. H. Terry.	Rewa Viti Levu.		5	a	3172	792	2483	1463	1966	142	549	614	258	1042	1036	770	14287
				c	31	18	29	20	23	15	15	11	14	14	14	19	223
				e	521 on 18th	103 on 13th	371 on 15th	240 on 16th	403 on 20th	28 on 6th	90 on 9, 29	215 on 17th	101 on 17th	416 on 12th	315 on 14th	195 on 26th	521 on 18/1
Tamavua No. 2 Caretaker.	Rewa Viti Levu.		5	a	3283	729	2299	2431	3107	234	801	897	435	1060	1207	852	17335
				c	31	23	26	26	26	16	15	17	16	18	17	17	248
				e	542 on 18th	85 on 13th	619 on 15th	377 on 5th	788 on 19th	40 on 11th	162 on 29th	242 on 17th	114 on 17th	260 on 14th	297 on 3rd	233 on 26th	788 on 19/5

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1939.—continued.

Rainfall measured in Points: 100 points=1". a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Tautu W. F. Fry.	Lomaiviti Gau.	25	12	a	2120	642	1785	1445	1106	64	131	336	135	120	231	164	8279
				b	1045	1065	1291	892	719	327	331	359	355	459	571	796	8210
			12	c	26	17	17	18	23	5	9	10	8	6	7	10	156
				d	19	19	20	17	17	10	10	12	9	11	11	13	168
				e	570 on 18th	188 on 15th	190 on 9th	310 on 4th	240 on 7th	22 on 6th	50 on 20th	168 on 17th	37 on 21st	46 on 16th	66 on 26th	43 on 5th	570 on 18/1
Tavua (Emperor Gold Mines) S. Coggins.	Colo North Viti Levu.	350	3	a	2546	1528	3211	958	1141	Nil	254	571	92	633	383	791	12108
				c	21	15	26	16	14	Nil	10	9	4	12	7	15	149
				e	676 on 21st	370 on 14th	780 on 15th	561 on 5th	321 on 7th	Nil	92 on 20th	194 on 17th	51 on 25th	222 on 13th	185 on 3rd	197 on 18th	780 on 15/3
Uduya Point H. C. Fryer.	Rewa Viti Levu.	100	4	a	2852	840	2034	2150	2936	284	812	746	403	1018	1037	708	15820
				c	29	25	27	26	29	19	15	17	16	16	20	19	258
				e	614 on 19th	130 on 4th	435 on 15th	423 on 5th	557 on 20th	61 on 10th	138 on 29th	218 on 17th	Nil	360 on 14th	214 on 14th	156 on 27th	614 on 19/1
Vaileka District Commissioner.	Ra Viti Levu.	15	10	a	1474	546	2883	492	602	86	Nil	302	Nil	115	130	419	7049
				b	1062	1544	1652	724	443	138	192	232	226	249	434	887	7783
			10	c	7	5	14	3	2	1	Nil	1	Nil	3	2	9	47
				d	12	12	12	8	6	2	3	3	4	5	6	8	81
				e	735 on 21st	190 on 13th	677 on 15th	400 on 7th	497 on 7th	86 on 28th	Nil	320 on 17th	Nil	106 on 13th	115 on 29th	150 on 28th	725 on 21/1
Valeci Wireless Officer.	Cakaudrove Vanua Levu.	30	33	a	1420	1062	2164	1148	1677	265	642	580	255	182	927	435	10757
				b	1140	1127	1197	890	932	472	470	621	647	745	865	1069	10175
			32	c	24	15	24	20	23	13	10	17	8	10	9	13	186
				d	17	16	16	14	14	10	10	11	10	10	12	14	154
				e	278 on 11th	209 on 31st	454 on 15th	283 on 4th	210 on 7th	105 on 11th	144 on 27th	190 on 2nd	80 on 8th	47 on 11th	382 on 14th	107 on 4th	454 on 15/3
Vatugunisese A. S. McLeod.	Cakaudrove Vanua Levu.	12	8	a	1055	961	2254	1547	1372	126	293	663	137	209	778	316	9711
				b	1083	998	1215	1036	1006	269	282	501	372	835	909	974	9480
			8	c	22	17	24	23	25	11	14	11	9	7	10	13	186
				d	19	18	19	15	16	9	11	12	11	13	13	16	172
				e	310 on 20th	195 on 13th	742 on 20th	456 on 4th	283 on 20th	68 on 11th	75 on 8th	432 on 17th	101 on 26th	96 on 11th	392 on 3rd	108 on 4th	742 on 20/3
Vuna J. V. Tarte.	Cakaudrove Taveuni.	25	20	a	1747	1025	1535	2595	2980	160	710	771	360	112	559	765	13319
				b	1367	1317	1060	1290	1227	514	671	776	759	1170	937	1271	12359
			20	c	20	18	17	19	22	2	6	7	6	1	6	9	133
				d	16	17	18	17	15	10	10	12	13	11	12	5	166
				e	575 on 18th	300 on 14th	400 on 15th	550 on 13th	400 on 9th	95 on 4th	175 on 15th	400 on 17th	125 on 26th	112 on 11th	275 on 3rd	265 on 18th	575 on 18/1
Vunibaka E. B. Williams.	Tailevu Viti Levu.		4	a	3147	1141	2475	2067	2855	178	289	524	450	449	1220	764	15559
				c	25	19	27	22	23	9	10	10	10	15	10	13	193
				e	637 on 10th	251 on 23rd	376 on 15th	210 on 14th	765 on 15th	40 on 13th	76 on 29th	222 on 18th	156 on 27th	92 on 31st	335 on 14th	216 on 27th	765 on 15/5
Vunidawa District Officer.	Colo East Viti Levu.	200	27	a	3645	670	3594	2880	2687	190	192	506	95	681	755	690	16585
				b	1576	1712	1671	1622	1077	697	451	677	763	1031	1287	1731	14295
			27	c	26	12	21	24	23	8	7	6	6	11	13	12	169
				d	19	18	19	17	16	11	11	12	13	15	15	16	182
				e	760 on 10th	620 on 14th	554 on 13th	600 on 5th	665 on 19th	40 on 7, 8	60 on 31st	280 on 17th	40 on 8th	300 on 11th	330 on 14th	200 on 27th	760 on 10/1
Vunisea W. E. Henderson.	Rewa Kadavu.	70	9	a	1957	1261	1377	818	1030	45	324	532	362	383	559	682	9330
				b	989	804	920	859	1075	233	351	468	320	624	596	790	8029
			8	c	18	20	20	17	19	1	8	11	6	9	6	3	138
				d	14	13	16	15	14	8	10	11	7	11	10	12	141
				e	426 on 21st	262 on 13th	305 on 14th	171 on 5th	261 on 7th	45 on 28th	112 on 16th	146 on 17th	157 on 24th	178 on 8th	152 on 16th	677 on 27th	677 on 27/12
Wainunu W. B. Cobham.	Bua Vanua Levu.	6	30	a	2328	1807	2809	1588	2440	321	624	679	321	343	814	1003	15077
				b	1865	1799	1788	1458	1194	596	565	687	871	1089	1268	1605	14785
			30	c	26	23	25	19	28	18	15	17	11	17	20	18	237
				d	20	20	21	17	17	12	12	14	15	14	16	18	196
				e	504 on 22nd	430 on 17th	636 on 15th	332 on 5th	233 on 15th	109 on 22nd	235 on 31st	170 on 18th	100 on 26, 27	114 on 12th	223 on 27th	213 on 5th	636 on 15/3

RETURN OF RAINFALL AT VARIOUS STATIONS IN FIJI DURING 1939.—continued.

Rainfall measured in Points: 100 points=1". a=total rainfall; b=average rainfall; c=No. of wet days; d=average No. of wet days; e=amount and date of wettest day.

Name of Station and Observer.	Province and Island.	Approximate height above M.S.L.	No. of years.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Waiyevo Wireless Officer.	Cakaudrove Taveuni.	180	33	a	609	478	1843	2096	1283	71	215	920	146	296	222		
				b	1123	1226	1108	1086	943	467	281	471	459	722	895		
				c	16	12	18	19	18	7	10	7	4	1	6		
				d	14	14	15	14	12	9	7	8	9	10	11	14	137
				e	164 on 22nd	125 on 16th	485 on 15th	500 on 13th	195 on 7th	28 on 23rd	48 on 20th	442 on 16th	50 on 1, 26	296 on 11th	104 on 16th	125 on 17th	500 on 13/4
Yanawai (Mt. Kasi Mines)... D. Haszard and L. Harman.	Cakaudrove Vanua Levu.	1131	3	a	2246	1325	2548	3069	3409	586	1217	688	460	617	1660	1918	19743
				c	25	19	26	24	27	16	15	17	13	23	21	19	245
				e	406 on 19th	175 on 12th	392 on 18th	820 on 13th	466 on 28th	110 on 23rd	253 on 28th	220 on 17th	....	174 on 10, 20	385 on 16th	305 on 18th	820 on 13/3