

## METEOROLOGICAL OBSERVATIONS.

1933.

## Main features of the weather experienced during the Year.

The highest temperature at the Valletta Station was  $94.7^{\circ}$  F. on the 16th July.

On the 10th August, at Zurrigo, a maximum temperature of  $95^{\circ}$  F. was registered.

The reading of the black bulb thermometer in vacuo, gave the highest reading on the 2nd May and on the 16th July, when a temperature of  $151^{\circ}$  was recorded.

The mean maximum temperature at the Valletta Station, for the months of June, July and August was  $80.3^{\circ}$  F.

The mean minimum temperature at the same Station for the months of January and February was  $51.2^{\circ}$  F.

The lowest temperature recorded at Valletta was  $43.2^{\circ}$  on the 21st and 24th February. On the 20th and 21st January at Notabile, a temperature of  $42^{\circ}$  was registered.

During the months of January and February, the average duration of bright sunshine was 5.07 hours. The number of days on which no bright sunshine was registered in the abovementioned months, was 3. During the summer months of June, July and August, the duration of sunshine averaged 11.55 hours per diem.

The mean rainfall over the Islands of Malta and Gozo for the period January-December and as deduced from the Pluviometer readings at the Government Elementary Schools, was 22.00 inches for Malta and 23.58 for Gozo. The number of days during which rain fell was 96 against 79 in the previous year. The mean rainfall as deduced from the latest observations equals 21.5 inches. The rainfall for the island of Comino amounted to 18.93 inches.

The prevailing winds, as usual, were the westerly ones; the N.W. heading the list with 107 days. The S.W. winds follow next with 73 days. The S. winds were the least frequent of all.

The relative humidity at the Valletta Station varied from a maximum of 96% on the 19th November and a minimum of 39% on the 2nd May. The mean relative humidity for the year equals 75%.

## METEOROLOGICAL OBSERVATIONS—1933.

STATION—VALLETTA, MALTA.

 $\lambda = 14^{\circ} 30'$  $\phi = 35^{\circ} 53'$ 

H = 185 ft.

Months	Mean Pressure (W.M.)	Air Temperature								Tension of Vapour (8 a.m.)	Relative Humidity (8 a.m.)
		Adjusted Mean Temperature	Means of		Absolute Min. and Max.						
			Min.	Max.	Min.	Date	Max.	Date			
January ...	29.968	54.6	50.8	59.9	43.4	20th	65.3	30th	11.4	76	
February ...	29.869	55.2	51.8	59.0	43.2	21st, 24th	64.7	12th	11.6	75	
March ...	30.032	56.5	53.3	60.2	46.5	23rd	58.0	4th	12.1	76	
April ...	30.030	61.1	57.0	65.8	49.8	24th	75.9	20th	17.6	76	
May ...	29.969	64.9	59.9	69.8	56.8	18th	91.4	2nd	16.1	72	
June ...	29.261	69.7	65.2	74.3	59.9	4th	88.3	22nd	20.3	76	
July ...	30.039	77.4	72.4	82.6	66.0	1st	94.7	16th	24.9	69	
August ...	30.545	78.5	72.3	84.1	63.7	28th	92.6	14th	27.1	74	
September ...	30.056	75.5	70.6	80.4	67.2	29th	88.3	15th	27.9	76	
October ...	30.053	72.9	68.2	78.4	62.7	17th	84.2	4th	24.9	79	
November ...	29.941	65.2	61.5	69.2	52.7	14th	77.2	4th	18.7	79	
December ...	29.893	58.1	55.8	62.6	53.4	23rd	69.8	14th	14.4	79	
Year ...	29.972	65.9	61.6	70.5	45.2	21st, 24th Feb.	94.7	16th July	18.9	76	

 $\lambda$  = Longitude of Station. $\phi$  = Latitude of Station.

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

Ht. = 71.

hr. = 59.

Months	Cloud 8 a.m.	Sunshine Hours of	Rainfall			Weather No. of Days of:—								Wind—No. of Observations of:— (8 a.m.)							
			Total	Max.	Date	Fog	haze	Hail	Thunder Storms	Clear Sky	Overcast	Gales	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calms
January ...	7	4.99	7.30	1.29	6th	20	...	3	3	...	12	3	...	1	2	2	1	6	1	6	12
February ...	6	5.25	3.18	0.63	21st	15	...	2	1	3	11	3	1	7	...	2	...	9	1	5	3
March ...	7	4.97	0.24	0.06	27th	10	...	1	...	1	16	4	...	9	3	2	...	7	...	8	2
April ...	4	9.28	0.09	0.05	24th	3	...	...	...	7	4	2	1	2	3	4	1	5	3	9	2
May ...	5	9.91	0.44	0.37	23rd	4	...	...	...	11	8	...	1	2	3	3	1	3	1	16	1
June ...	3	10.61	0.48	0.32	12th	5	...	...	...	14	5	...	3	6	2	2	1	2	1	13	...
July ...	1	12.05	0.03	0.03	26th	1	...	...	...	25	2	...	2	6	1	1	...	2	4	14	1
August ...	1	11.99	0.80	0.67	28th	3	...	...	2	23	1	1	4	3	1	...	...	2	3	11	7
September ...	2	10.17	0.09	0.05	19th	3	...	...	1	12	...	...	1	3	3	10	...	3	2	6	2
October ...	4	8.50	0.21	0.20	18th	4	...	...	1	8	4	...	...	...	...	7	1	6	2	9	6
November ...	6	4.71	2.18	0.59	19th	13	...	1	4	2	12	3	1	4	2	3	2	13	1	2	2
December ...	5	5.43	6.14	1.92	2nd	15	1	1	3	2	9	1	...	2	...	2	...	15	2	8	2
Year ...	4.3	7.98	21.21	1.92	2nd Dec.	96	1	8	15	110	84	17	14	45	20	38	7	73	21	107	40

ht = Height of the Therm. above the ground in feet.

hr. = Height of the Raingauge above the ground in feet.