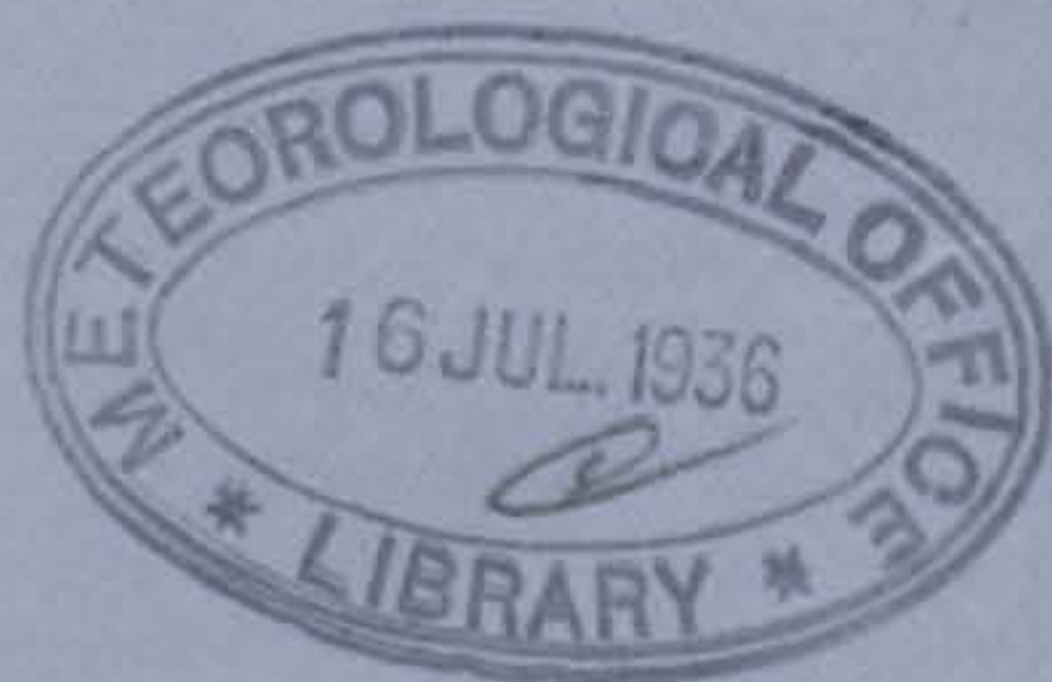


3.
Reprinted from the 1935 Blue Book of the Uganda Protectorate.



UGANDA PROTECTORATE.



METEOROLOGICAL OBSERVATIONS

1935.

ENTEBBE:

PRINTED BY THE GOVERNMENT PRINTER.

THE WEATHER OF 1935.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1935.

In connection with the Service 104 Rainfall Stations have reported, including one First Order Station, fifteen Second Order Stations, one Third Order Station and five Rainfall Stations which were opened during the year.

The times of observation are the international hours—0600 G.M.T. and 1200 G.M.T. (8-30 a.m. and 2-30 p.m. Local Standard Time).

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

RAINFALL.

The total rainfall for the year was 1% above normal. January and July were unusually dry, the total rainfall for these months being 79% and 62% below normal respectively, while the total rainfall for February and June was high, being 86% and 89% above normal for these months.

With only a few exceptions the rainfall in all districts was very nearly normal, although individual stations frequently had fairly large departures. The abnormalities at certain stations are shown in the following table :—

| Station. | Province. | Deviation. | Station. | Province. | Deviation. |
|----------------|-------------|------------|-----------------|--------------|------------|
| | | ins. | | | ins. |
| Entebbe ... | Buganda ... | + 3.41 | Moroto ... | Eastern ... | ... |
| Kampala ... | " ... | + 6.15 | Bubulu ... | " ... | + 1.11 |
| Masaka ... | " ... | + 8.30 | Fort Portal ... | Western ... | + 1.29 |
| Bukalasa ... | " ... | - 2.00 | Busenyi ... | " ... | - 9.47 |
| Mubende ... | " ... | - 5.11 | Bunyaruguru ... | " ... | + 6.49 |
| Kalangala ... | " ... | + 5.71 | Kabale ... | " ... | + 6.85 |
| Jinja ... | Eastern ... | - 0.84 | Butiti ... | " ... | - 3.77 |
| Mbale ... | " ... | - 5.12 | Kilclooney ... | " ... | - 1.76 |
| Namasagali ... | " ... | - 1.73 | Kitgum ... | Northern ... | - 3.81 |
| Serere ... | " ... | - 2.75 | Hoima ... | " ... | - 6.71 |
| Bugondo ... | " ... | - 1.26 | Gulu ... | " ... | + 0.79 |
| Ngetta ... | " ... | + 3.45 | Arua ... | " ... | + 12.45 |

The highest fall for the year was 97.06 ins. at Nagoje, and the lowest 31.59 ins. at Mwirasundu. The greatest fall recorded in 24 hours was 6.26 on 13th November, at Entebbe.

TEMPERATURES.

Twenty-three Stations recorded temperatures during 1935. Of these, seventeen recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 100° F. at Budini in January, and the lowest 41.0° F. at Kabale in July.

The departures from normals for the various stations are shown below :—

| Station. | Province. | Deviation (o F). | | Station. | Province. | Deviation (o F). | |
|--------------|-------------|------------------|-------|------------|--------------|------------------|-------|
| | | Max. | Min. | | | Max. | Min. |
| Entebbe ... | Buganda ... | - 0.6 | - 0.9 | Mbale ... | Eastern ... | - 0.7 | - 0.1 |
| Kampala ... | " ... | - 0.1 | - 0.2 | Serere ... | " ... | + 1.7 | - 0.9 |
| Masaka ... | " ... | - 2.1 | - 1.8 | Ngetta ... | " ... | - 1.3 | - 0.7 |
| Bukalasa ... | " ... | + 0.5 | ... | Arua ... | Northern ... | + 3.8 | + 1.0 |

| 1935. | Station. | Lat. | Long. | Alt. ft. | Air Temperature. | | | | | | Rainfall. | | | |
|---------------------------------------|----------|-----------|-------|----------|------------------|---------|--------------------------------|-------|------------------|-------|------------|-------------|-------------------|----------|
| | | | | | Mean. | | Absolute Max. | | Absolute Min. | | Total ins. | No. of days | Max. in 24 hours. | |
| | | | | | Max. °F | Min. °F | °F | Date. | °F | Date. | | | Amt. ins. | Date. |
| Arua .. | 3° 01' N | 30° 55' E | 4,200 | 86.5 | 63.9 | 95.0 | { Jan., Feb., Mar., Apr. .. | 59.0 | Sept. 6 | .. | 62.95 | 94 | 2.71 | Sept. 3 |
| Gulu .. | 2° 45' N | 32° 20' E | 3,700 | 85.2 | 62.9 | 97.0 | Jan. 26, Mar. 31 | 56.0 | Feb. 5 | .. | 60.27 | 122 | 2.58 | June 28 |
| Lira .. | 2° 17' N | 32° 56' E | 3,710 | 86.0 | 61.5 | 96.5 | Jan. 27 | 49.1 | Jan. 11 | .. | 57.75 | 151 | 3.34 | Aug. 28 |
| Butiaba .. | 1° 50' N | 31° 20' E | 2,020 | 84.5 | 71.4 | 91.0 | Jan. 31 | 62.4 | July 30 | .. | 34.13 | 110 | 3.71 | Nov. 30 |
| Hoima .. | 1° 26' N | 31° 20' E | 3,800 | 83.3 | 60.9 | 94.0 | Jan. 27, Feb. 1 | 53.0 | Aug. 22 | .. | 52.22 | 170 | 1.80 | Aug. 28 |
| Masindi .. | 1° 41' N | 31° 43' E | 3,760 | 83.4 | 62.0 | 94.6 | Jan. 26 | 53.3 | July 30 | .. | 53.23 | 138 | 2.65 | June 14 |
| Serere .. | 1° 31' N | 33° 27' E | 3,600 | 87.7 | 62.9 | 98.0 | Feb. 1 & 11 | 54.0 | Feb. 23, 25 | .. | 50.77 | 137 | 2.26 | Sept. 11 |
| Simsa .. | 1° 44' N | 33° 35' E | 3,600 | 89.3 | 63.0 | 99.0 | Jan., Feb., Mar. | 56.0 | Dec. 23 | .. | 46.94 | 108 | 3.30 | June 19 |
| Soroti .. | 1° 43' N | 33° 37' E | 3,700 | 87.6 | 64.0 | 98.0 | Jan., Feb. | 59.0 | Apr., May | .. | 40.87 | 130 | 2.66 | Mar. 9 |
| Mbale .. | 1° 06' N | 34° 11' E | 4,000 | 85.3 | 61.5 | 97.9 | Jan. 30 | 53.9 | Jan. 26 | .. | 40.85 | 158 | 1.93 | April 13 |
| Fort Portal .. | 0° 40' N | 30° 17' E | 5,300 | 77.1 | 54.8 | 86.4 | Jan. 27 | 45.6 | Jan. 17, Aug. 21 | .. | 58.21 | 185 | 3.40 | Feb. 4 |
| Mubende .. | 0° 35' N | 31° 22' E | 5,120 | 76.0 | 60.5 | 87.0 | Jan. 26 | 53.5 | July 10 | .. | 45.28 | 130 | 3.27 | June 8 |
| Budo .. | 0° 16' N | 32° 29' E | 4,300 | 75.8 | 62.7 | 87.0 | Nov. 14 to 16 | 58.0 | Feb. 11 | .. | 52.58 | 94 | 2.17 | Sept. 26 |
| Bukalasa .. | 0° 43' N | 32° 30' E | 3,700 | 83.3 | 61.0 | 94.0 | Feb. 2 | 52.0 | Dec. 21 | .. | 50.00 | 145 | 2.85 | Dec. 29 |
| Kampala Govern- ment Plantation .. | 0° 19' N | 32° 35' E | 3,900 | 81.3 | 60.5 | 91.0 | Jan. 26 | 53.0 | June 1 | .. | 57.82 | 149 | 3.11 | Aug. 27 |
| Jinja .. | 0° 26' N | 33° 12' E | 3,880 | 81.8 | 63.6 | 94.0 | Jan. 19 | 58.0 | Aug. 3, Sept. 11 | .. | 44.33 | 108 | 2.24 | Dec. 5 |
| Budini .. | 0° 56' N | 33° 31' E | 3,500 | 87.6 | 65.3 | 100.0 | Jan. 19 | 59.0 | Dec. 8-13 | .. | 46.43 | 108 | 2.53 | May 9 |
| Tororo .. | 0° 40' N | 34° 10' E | 3,861 | 83.3 | 61.3 | 94.0 | Feb. 1 & 2 | 53.9 | Jan. 10 | .. | 63.99 | 152 | 2.67 | May 9 |
| Mbarara .. | 0° 37' S | 30° 39' E | 4,800 | 79.7 | 57.9 | 88.5 | Jan. 30 | 50.9 | July 17 | .. | 33.72 | 109 | 2.43 | Aug. 15 |
| Masaka .. | 0° 20' S | 31° 44' E | 4,200 | 78.2 | 59.8 | 85.9 | Jan. 20 | 51.4 | Nov. 29 | .. | 50.84 | 136 | 2.05 | May 22 |
| Kabale .. | 1° 15' S | 29° 59' E | 6,000 | 71.8 | 49.7 | 82.2 | Jan. 28 | 41.0 | July 15 | .. | 41.84 | 168 | 2.02 | June 11 |

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ENTEBBE DURING THE YEAR 1935.

Latitude 0°40' N.

Longitude 32°29' E.

Altitude 3,878 ft.

Standard time 2 h. 30 m. East.

Reference Number 89-3202

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts. | | | | | Rainfall. | | | Number of days of | | |
|-----------------|-------------------------|-------------|--------------|---------|------------|---------|------------------|------------|---------------------|------------|--------------------|-------|------------------|-------|---------------------------------------|-----|-----|-----|----|-----------|-------|-------|-------------------|-----------|------------------|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Date. | Rain | Thun-der. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | fall in. 24 hrs. |
| JANUARY | ins. 26·069 | ins. 25·989 | F. 70·1 | F. 80·6 | F. 64·8 | F. 65·3 | ins. 0·617 | ins. 0·628 | ins. 0·126 | ins. 0·425 | % 83 | % 60 | 5·3 | 3·2 | 4 | 7 | 5 | 11 | 4 | 17·5 | 0·69 | 0·44 | 5 | 4 | — |
| FEBRUARY | 26·090 | 26·004 | 67·6 | 75·2 | 63·1 | 63·9 | 0·584 | 0·599 | 0·097 | 0·280 | 86 | 68 | 8·3 | 6·3 | 0 | 0 | 4 | 16 | 8 | 135·1 | 5·32 | 1·21 | 21 | 16 | 6 |
| MARCH | 26·066 | 25·986 | 71·4 | 77·8 | 65·8 | 66·4 | 0·640 | 0·652 | 0·136 | 0·304 | 82 | 68 | 7·1 | 5·0 | 0 | 3 | 8 | 13 | 7 | 114·3 | 4·50 | 1·18 | 26 | 19 | 4 |
| APRIL | 26·090 | 26·001 | 70·1 | 75·7 | 65·5 | 65·5 | 0·634 | 0·634 | 0·109 | 0·263 | 86 | 71 | 7·4 | 6·2 | 0 | 6 | 3 | 13 | 8 | 248·2 | 9·77 | 1·44 | 9 | 21 | 5 |
| MAY | 26·122 | 26·031 | 68·2 | 73·7 | 64·8 | 65·3 | 0·616 | 0·628 | 0·077 | 0·210 | 89 | 75 | 7·5 | 6·2 | 0 | 6 | 2 | 10 | 13 | 259·6 | 10·22 | 2·30 | 9 | 20 | 5 |
| JUNE | — | — | 67·5 | 73·5 | 64·0 | 64·9 | 0·602 | 0·619 | 0·076 | 0·216 | 89 | 74 | 7·8 | 6·7 | 0 | 2 | 7 | 9 | 12 | 118·6 | 4·67 | 1·09 | 2 | 15 | 3 |
| JULY | — | — | 67·3 | 75·1 | 62·1 | 63·9 | 0·560 | 0·599 | 0·113 | 0·277 | 83 | 68 | 5·4 | 3·5 | 1 | 8 | 13 | 3 | 6 | 32·5 | 1·28 | 0·62 | 6 | 6 | 1 |
| AUGUST | 26·104 | 26·034 | 68·2 | 75·4 | 62·6 | 63·9 | 0·572 | 0·596 | 0·121 | 0·289 | 83 | 67 | 4·9 | 5·5 | 3 | 10 | 7 | 6 | 5 | 45·0 | 1·77 | 0·92 | 4 | 5 | 4 |
| SEPTEMBER | 26·102 | 26·013 | 69·2 | 75·1 | 63·9 | 64·8 | 0·597 | 0·617 | 0·124 | 0·260 | 83 | 70 | 6·2 | 6·2 | 1 | 6 | 7 | 11 | 5 | 119·4 | 4·70 | 2·47 | 27 | 9 | 4 |
| OCTOBER | 26·090 | 26·001 | 70·0 | 76·5 | 63·9 | 64·4 | 0·599 | 0·608 | 0·139 | 0·310 | 81 | 66 | 6·5 | 6·3 | 0 | 6 | 7 | 12 | 6 | 100·3 | 3·95 | 2·23 | 25 | 8 | 4 |
| NOVEMBER | 26·081 | 25·987 | 70·1 | 77·5 | 63·7 | 65·0 | 0·594 | 0·623 | 0·151 | 0·331 | 80 | 65 | 7·1 | 5·7 | 0 | 4 | 6 | 14 | 6 | 230·9 | 9·09 | 6·26 | 13 | 15 | 3 |
| DECEMBER | 26·090 | 25·995 | 68·7 | 76·6 | 64·0 | 65·1 | 0·602 | 0·626 | 0·106 | 0·298 | 85 | 68 | 7·0 | 6·2 | 2 | 3 | 5 | 9 | 12 | 167·1 | 6·58 | 1·76 | 22 | 14 | 2 |
| Year | 26·090 | 26·004 | 69·0 | 76·1 | 64·0 | 64·9 | 0·601 | 0·619 | 0·115 | 0·289 | 84 | 68 | 6·7 | 5·6 | 11 | 61 | 74 | 127 | 92 | 1588·5 | 62·54 | 6·26 | Nov. 13th | 152 | 41 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | | Frequency of Visibility at 8-30. | | |
|-----------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|----|------------------------|---------|-------------------------------------|-----------|---------|------------|-----------|-----------|-----------------|--------|------|-------|----------------------------------|-------|-----------|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| JANUARY | 2 | 0 | 1 | 3 | 0 | 5 | 7 | 13 | 0 | 27 | 4 | 0 | mph. 6 | mph. 19 | F. 84·8 | 19 | F. 59·5 | 2 | 82·1 | 62·8 | 72·5 | 23·5 | 14·1 | 19·3 | 0 | 0 | 31 |
| FEBRUARY | 1 | 0 | 1 | 3 | 2 | 6 | 7 | 7 | 1 | 22 | 5 | 0 | 7 | 17 | 83·1 | 1 | 59·7 | 22 | 78·3 | 63·9 | 71·1 | 22·7 | 6·8 | 14·4 | 0 | 0 | 28 |
| MARCH | 0 | 1 | 1 | 7 | 4 | 7 | 8 | 2 | 1 | 25 | 5 | 0 | 7 | 21 | 82·2 | 19 | 62·4 | 15 | 79·6 | 66·0 | 72·8 | 16·9 | 9·4 | 13·6 | 0 | 0 | 31 |
| APRIL | 4 | 2 | 5 | 2 | 4 | 3 | 5 | 3 | 2 | 24 | 4 | 0 | 6 | 17 | 80·7 | 24 | 62·7 | 23 | 78·3 | 64·7 | 71·5 | 17·3 | 7·6 | 13·6 | 0 | 1 | 29 |
| MAY | 2 | 4 | 3 | 4 | 3 | 5 | 4 | 6 | 0 | 23 | 8 | 0 | 9 | 13 | 78·9 | 30 | 58·8 | 29 | 76·3 | 63·0 | 69·7 | 18·3 | 7·4 | 13·3 | 0 | 3 | 28 |
| JUNE | 3 | 0 | 3 | 3 | 0 | 5 | 4 | 11 | 1 | 25 | 4 | 0 | 7 | 11 | 78·8 | 11 | 59·6 | 26 | 75·8 | 62·7 | 69·3 | 16·8 | 8·2 | 13·1 | 0 | 1 | 29 |
| JULY | 5 | 0 | 1 | 5 | 0 | 1 | 10 | 9 | 0 | 21 | 10 | 0 | 11 | 16 | 79·7 | 27 | 58·6 | 30 | 76·8 | 61·3 | 69·1 | 19·4 | 12·3 | 15·5 | 1 | 1 | 29 |
| AUGUST | 7 | 3 | 3 | 1 | 1 | 3 | 6 | 7 | 0 | 22 | 9 | 0 | 11 | 17 | 80·0 | 25 | 58·1 | 17 | 77·3 | 61·5 | 69·4 | 20·4 | 6·7 | 15·8 | 0 | 0 | 31 |
| SEPTEMBER | 12 | 5 | 3 | 1 | 0 | 0 | 1 | 8 | 0 | 18 | 12 | 0 | 12 | 16 | 84·7 | 23 | 58·1 | 11 | 79·1 | 62·0 | 70·5 | 22·1 | 7·9 | 17·1 | 0 | 1 | 29 |
| OCTOBER | 11 | 4 | 4 | 3 | 2 | 0 | 1 | 5 | 1 | 18 | 12 | 0 | 11 | 15 | 83·6 | 24 | 60·8 | 13 | 79·3 | 63·5 | 71·4 | 19·6 | 11·3 | 15·8 | 0 | 0 | 31 |
| NOVEMBER | 10 | 4 | 0 | 1 | 0 | 2 | 3 | 10 | 0 | 23 | 7 | 0 | 9 | 6 | 82·6 | 9 | 61·3 | 15 | 79·9 | 64·3 | 72·1 | 20·3 | 11·6 | 15·6 | 0 | 0 | 30 |
| DECEMBER | 4 | 1 | 0 | 1 | 3 | 6 | 8 | 8 | 0 | 28 | 3 | 0 | 7 | 12 | 82·8 | 20 | 60·2 | 15 | 78·7 | 63·3 | 71·0 | 19·2 | 11·2 | 15·4 | 1 | 0 | 30 |
| Year | 61 | 24 | 25 | 34 | 19 | 43 | 64 | 89 | 6 | 276 | 83 | 0 | 9 | 15 | 84·8 | Jan. 19th | 58·1 | Aug. Sept. | 78·5 | 63·3 | 70·9 | 23·5 | 6·7 | 15·2 | 2 | 7 | 356 |

SECTION 29.—METEOROLOGICAL—continued.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KOLOLO HILL, KAMPALA, DURING THE YEAR 1935.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,290 ft.

Standard time 2h. 30m. East.

Reference Number 89-3210

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts. | | | | | Rainfall. | | | Number of days of | | |
|-------------------|-------------------------|-------------|--------------|---------|------------|---------|------------------|-------|---------------------|-------|--------------------|-------|------------------|-------|---------------------------------------|-----|-----|-----|----|-----------|-------|----------------------|-------------------|-------|----------|
| | 8-30 | 14-30 | Dry. Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Max. fall in 24 hrs. | Date. | Rain. | Thunder. |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | |
| JANUARY | ins. 25·685 | ins. 25·597 | F. 71·6 | F. 81·2 | F. 63·1 | F. 60·6 | 0·584 | 0·534 | 0·195 | 0·537 | 75 | 50 | 5·1 | 4·7 | 1 | 9 | 9 | 11 | 1 | 23·9 | 0·94 | ins. 0·39 | 9 | 5 | 9 |
| FEBRUARY | 25·697 | 25·611 | 67·5 | 74·7 | 62·4 | 63·0 | 0·569 | 0·578 | 0·109 | 0·286 | 84 | 67 | 7·7 | 7·4 | 0 | 0 | 6 | 18 | 4 | 152·7 | 6·01 | 1·06 | 23 | 15 | 18 |
| MARCH | 25·676 | 25·594 | 69·6 | 77·4 | 64·9 | 65·1 | 0·619 | 0·622 | 0·110 | 0·325 | 85 | 66 | 7·3 | 6·8 | 0 | 1 | 12 | 16 | 2 | 95·8 | 3·77 | 1·02 | 27 | 17 | 20 |
| APRIL | 25·697 | 25·611 | 68·9 | 75·9 | 63·9 | 64·0 | 0·599 | 0·602 | 0·112 | 0·301 | 84 | 67 | 7·5 | 6·9 | 0 | 2 | 6 | 19 | 3 | 68·6 | 2·70 | 0·74 | 9 | 17 | 19 |
| MAY | 25·732 | 25·653 | 67·1 | 73·5 | 63·9 | 64·6 | 0·599 | 0·614 | 0·071 | 0·215 | 89 | 74 | 8·0 | 7·4 | 0 | 1 | 8 | 10 | 12 | 207·0 | 8·15 | 1·39 | 21 | 18 | 13 |
| JUNE | 25·741 | 25·670 | 66·4 | 72·0 | 63·1 | 63·7 | 0·584 | 0·593 | 0·071 | 0·198 | 89 | 75 | 7·9 | 7·6 | 0 | 1 | 7 | 17 | 5 | 141·2 | 5·56 | 2·04 | 8 | 14 | 12 |
| JULY | 25·753 | 25·697 | 66·7 | 75·2 | 60·4 | 60·4 | 0·531 | 0·528 | 0·130 | 0·351 | 80 | 60 | 6·2 | 6·1 | 3 | 5 | 6 | 12 | 5 | 3·6 | 0·14 | 0·11 | 6 | 3 | 15 |
| AUGUST | 25·723 | 25·656 | 67·5 | 75·6 | 61·3 | 61·0 | 0·546 | 0·540 | 0·132 | 0·351 | 80 | 61 | 5·8 | 7·2 | 2 | 8 | 5 | 13 | 3 | 101·3 | 3·99 | 2·19 | 27 | 5 | 22 |
| SEPTEMBER | 25·723 | 25·632 | 68·9 | 75·2 | 63·7 | 62·4 | 0·593 | 0·566 | 0·118 | 0·313 | 83 | 64 | 6·2 | 7·5 | 0 | 7 | 7 | 12 | 4 | 127·0 | 5·00 | 1·78 | 9 | 12 | 28 |
| OCTOBER | 25·712 | 25·623 | 69·1 | 74·8 | 63·1 | 63·1 | 0·582 | 0·582 | 0·156 | 0·289 | 79 | 67 | 7·0 | 7·7 | 0 | 2 | 8 | 17 | 4 | 132·1 | 5·20 | 1·54 | 14 | 12 | 28 |
| NOVEMBER | 25·706 | 25·609 | 70·3 | 78·6 | 62·8 | 63·7 | 0·576 | 0·594 | 0·171 | 0·392 | 77 | 60 | 7·0 | 7·2 | 0 | 1 | 13 | 10 | 6 | 107·2 | 4·22 | 1·88 | 13 | 13 | 24 |
| DECEMBER | 25·709 | 25·617 | 68·9 | 75·6 | 63·1 | 64·4 | 0·582 | 0·611 | 0·130 | 0·281 | 82 | 69 | 7·1 | 7·3 | 0 | 6 | 7 | 9 | 9 | 167·1 | 6·58 | 1·67 | 29 | 19 | 26 |
| Year | 25·713 | 25·631 | 68·5 | 75·8 | 63·0 | 63·0 | 0·583 | 0·580 | 0·125 | 0·320 | 82 | 65 | 6·9 | 7·0 | 6 | 43 | 94 | 164 | 53 | 1327·5 | 52·26 | 2·19 | Aug. 27th | 150 | 234 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | Frequency of Visibility at 8-30. | | | |
|-------------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|----|------------------------|-------|-------------------------------------|-----------|------|-----------|-----------|-----------|-----------------|--------|------|----------------------------------|------|-------|-----------|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| JANUARY | 1 | 1 | 4 | 14 | 4 | 3 | 1 | 0 | 3 | 26 | 2 | 0 | 6 | 15 | 90·1 | 26 | 59·9 | 17 | 83·7 | 64·9 | 74·3 | 25·9 | 11·2 | 18·8 | 0 | 2 | 29 |
| FEBRUARY | 1 | 1 | 1 | 3 | 6 | 10 | 5 | 1 | 0 | 22 | 6 | 0 | 8 | 14 | 88·7 | 1 | 59·7 | 24 | 79·2 | 63·7 | 71·5 | 20·7 | 10·1 | 15·5 | 1 | 2 | 25 |
| MARCH | 0 | 0 | 2 | 4 | 10 | 9 | 5 | 1 | 0 | 25 | 6 | 0 | 9 | 14 | 84·0 | 18 | 60·1 | 24 | 80·2 | 65·3 | 72·7 | 20·5 | 11·3 | 14·9 | 0 | 0 | 31 |
| APRIL | 3 | 0 | 4 | 4 | 10 | 4 | 4 | 1 | 0 | 25 | 5 | 0 | 8 | 15 | 81·5 | 9 | 62·1 | 10,18 | 78·6 | 63·7 | 71·1 | 18·5 | 9·6 | 14·9 | 0 | 0 | 30 |
| MAY | 2 | 4 | 4 | 4 | 6 | 7 | 4 | 0 | 0 | 25 | 6 | 0 | 9 | 13 | 80·4 | 1 | 59·4 | 21 | 76·6 | 62·9 | 69·7 | 20·1 | 8·2 | 13·7 | 3 | 1 | 27 |
| JUNE | 8 | 2 | 3 | 1 | 5 | 3 | 2 | 6 | 0 | 28 | 2 | 0 | 8 | 10 | 80·8 | 11 | 58·8 | 26 | 75·6 | 62·6 | 69·1 | 16·9 | 8·7 | 13·0 | 1 | 1 | 28 |
| JULY | 10 | 4 | 0 | 2 | 5 | 4 | 3 | 3 | 0 | 29 | 2 | 0 | 6 | 3 | 84·6 | 27 | 58·8 | 1 | 77·2 | 62·1 | 69·7 | 22·5 | 9·0 | 15·1 | 0 | 5 | 26 |
| AUGUST | 14 | 6 | 1 | 2 | 3 | 2 | 3 | 0 | 0 | 28 | 3 | 0 | 7 | 12 | 84·0 | 1 | 57·0 | 27 | 79·0 | 61·3 | 70·1 | 24·8 | 6·7 | 17·7 | 0 | 1 | 30 |
| SEPTEMBER | 15 | 5 | 4 | 1 | 1 | 0 | 1 | 3 | 0 | 24 | 6 | 0 | 9 | 12 | 84·6 | 25 | 58·1 | 27 | 80·1 | 61·9 | 71·0 | 22·1 | 10·6 | 18·2 | 0 | 1 | 29 |
| OCTOBER | 8 | 8 | 1 | 5 | 1 | 1 | 3 | 4 | 0 | 29 | 2 | 0 | 7 | 10 | 84·7 | 24 | 60·1 | 2 | 79·3 | 62·6 | 70·9 | 21·2 | 11·7 | 16·7 | 0 | 0 | 31 |
| NOVEMBER | 7 | 3 | 2 | 2 | 1 | 6 | 5 | 1 | 3 | 26 | 1 | 0 | 6 | 9 | 86·5 | 10 | 60·6 | 14 | 81·7 | 63·7 | 72·7 | 22·0 | 14·4 | 18·0 | 0 | 0 | 30 |
| DECEMBER | 1 | 0 | 5 | 3 | 8 | 3 | 3 | 5 | 3 | 26 | 2 | 0 | 5 | 10 | 82·8 | 19 | 57·6 | 25 | 78·6 | 63·1 | 70·9 | 19·8 | 10·3 | 15·5 | 0 | 0 | 31 |
| Year | 70 | 34 | 31 | 45 | 60 | 52 | 39 | 25 | 9 | 313 | 43 | 0 | 7 | 11 | 90·1 | Jan. 26th | 57·6 | Dec. 25th | 79·1 | 63·1 | 71·1 | 25·9 | 6·7 | 16·0 | 5 | 13 | 347 |



UGANDA PROTECTORATE.

METEOROLOGICAL OBSERVATIONS,
1936.

THE WEATHER OF 1936.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1936.

In connection with the Service 107 Rainfall Stations have reported, including one First Order Station, fourteen Second Order Stations, one Third Order Station and seven Rainfall Stations which were opened during the year.

The times of observation are the international hours—0600 G.M.T. and 1200 G.M.T. (8-30 a.m. and 2-30 p.m. Local Standard Time).

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

RAINFALL.

The total rainfall for the year was 11% above normal. January, February and June were unusually wet the total rainfall for these months being 162%, 73% and 80% above normal respectively.

The abnormalities at certain stations are shown in the following table:—

| Station. | Province. | Departure from normal. | Station. | Province. | Departure from normal. |
|----------------|-------------|------------------------|-----------------|--------------|------------------------|
| | | ins. | | | ins. |
| Entebbe ... | Buganda ... | + 13·63 | Moroto ... | Eastern ... | + 1·87 |
| Kampala ... | " ... | + 5·47 | Bubulu ... | " ... | + 15·83 |
| Masaka ... | " ... | + 9·42 | Fort Portal ... | Western ... | + 9·37 |
| Bukalasa ... | " ... | + 1·49 | Busenyi ... | " ... | - 4·26 |
| Mubende ... | " ... | + 2·86 | Bunyaruguru ... | " ... | - 13·22 |
| Kalangala ... | " ... | + 60·75 | Kabale ... | " ... | + 13·36 |
| Jinja ... | Eastern ... | + 1·96 | Butiti ... | " ... | - 6·70 |
| Mbale ... | " ... | + 1·24 | Kilelooney ... | " ... | - 5·14 |
| Namasagali ... | " ... | + 12·60 | Kitgum ... | Northern ... | - 3·57 |
| Serere ... | " ... | - 0·21 | Hoima ... | " ... | - 2·25 |
| Bugondo ... | " ... | + 7·90 | Gulu ... | " ... | - 2·76 |
| Ngetta ... | " ... | + 3·33 | Arua ... | " ... | - 0·65 |

The highest fall for the year was 140·23 ins. at Kalangala, and the lowest 28·57 ins. at Butiaba. The greatest fall recorded in 24 hours was 7·35 on 19th April, at Kyanamukaka.

TEMPERATURES.

Twenty-three Stations recorded temperatures during 1936. Of these, seventeen recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 97°F. at Serere in January, and the lowest 37°F. at Kabale in August.

The departures from normals for the various stations are shown below:—

| Station. | Province. | Departure from normal. (°F). | | Station. | Province. | Departure from normal. (°F). | |
|--------------|-------------|------------------------------|-------|------------|--------------|------------------------------|-------|
| | | Max. | Min. | | | Max. | Min. |
| Entebbe ... | Buganda ... | - 1·3 | - 0·9 | Mbale ... | Eastern ... | - 2·3 | - 0·4 |
| Kampala ... | " ... | - 0·5 | - 0·1 | Serere ... | " ... | + 0·9 | - 0·3 |
| Masaka ... | " ... | - 3·1 | - 0·6 | Ngetta ... | " ... | - 2·0 | - 0·6 |
| Bukalasa ... | " ... | - 0·1 | + 0·5 | Arua ... | Northern ... | + 1·4 | + 2·3 |

| 1936. | Station. | Lat. | Long. | Alt. ft. | Air Temperature. | | | | | | Rainfall. | | | |
|-------|-------------------------------|----------|-----------|----------|------------------|---------|---------------|------------------------------------|---------------|------------------|------------|-------------|-------------------|----------|
| | | | | | Mean. | | Absolute Max. | | Absolute Min. | | Total ins. | No. of days | Max. in 24 hours. | |
| | | | | | Max. °F | Min. °F | °F | Date. | °F | Date. | | | Amt. ins. | Date. |
| | Arua .. | 3° 01' N | 30° 55' E | 4,200 | 84·1 | 65·4 | 95·0 | Feb. 5, Nov. 23 | 60·0 | June, Sept. | 50·83 | 146 | 2·50 | Aug. 11 |
| | Gulu .. | 2° 45' N | 32° 20' E | 3,642 | 84·6 | 62·8 | 94·0 | Jan., Feb. | 58·0 | Jan. 15, Dec. 28 | 56·76 | 121 | 1·84 | Feb. 20 |
| | Lira .. | 2° 17' N | 32° 56' E | 3,612 | 85·3 | 61·6 | 96·0 | February 8 | 55·1 | January 15 | 58·40 | 156 | 2·29 | Sept. 2 |
| | Butiaba .. | 1° 50' N | 31° 20' E | 2,036 | 84·1 | 71·4 | 89·7 | March 21 | 65·0 | December 3 | 28·57 | 100 | 2·27 | April 19 |
| | Hoima .. | 1° 26' N | 31° 22' E | 3,800 | 81·7 | 61·2 | 90·0 | February 2 | 55·0 | July 15 | 56·29 | 162 | 2·02 | Feb. 20 |
| | Masindi .. | 1° 41' N | 31° 43' E | 3,760 | 82·8 | 62·6 | 92·4 | November 22 | 54·0 | December 5 | 50·16 | 151 | 3·50 | Feb. 9 |
| | Serere .. | 1° 31' N | 33° 27' E | 3,600 | 86·9 | 63·5 | 97·0 | January 21 | 57·0 | June 1, 2 | 59·19 | 135 | 3·79 | Feb. 20 |
| | Simsa .. | 1° 44' N | 33° 35' E | 3,600 | 89·0 | 61·4 | 96·0 | Jan., Feb., Nov. | 56·0 | Jan., Nov. | 48·75 | 110 | 2·30 | April 10 |
| | Soroti .. | 1° 43' N | 33° 37' E | 3,655 | 86·0 | 65·4 | 95·0 | Feb. 5, 6, Nov. 23 | 59·0 | June 25 | 45·56 | 103 | 2·31 | May 30 |
| | Mbale .. | 1° 06' N | 34° 11' E | 4,000 | 83·7 | 61·2 | 94·4 | November 22 | 55·0 | August 17 | 47·04 | 180 | 2·64 | April 2 |
| | Fort Portal .. | 0° 40' N | 30° 17' E | 5,050 | 77·3 | 55·0 | 84·4 | February 2 | 43·9 | July 15 | 66·37 | 178 | 4·30 | Sept. 14 |
| | Mubende .. | 0° 35' N | 31° 22' E | 5,128 | 75·4 | 60·6 | 83·0 | Jan. 31, Feb. 7 | 55·0 | July 31 | 50·18 | 129 | 2·22 | Aug. 24 |
| | Budo .. | 0° 16' N | 32° 29' E | 4,300 | 75·4 | 62·3 | 82·0 | March, May | 56·0 | Dec. 18, 19, | 55·46 | 135 | 2·88 | April 25 |
| | Bukalasa .. | 0° 43' N | 32° 30' E | 3,700 | 82·7 | 61·5 | 92·0 | Aug., Nov. Feb., March, Nov., Dec. | 54·0 | July 14 | 53·36 | 154 | 2·09 | April 19 |
| | Kampala Government Plantation | 0° 19' N | 32° 35' E | 3,900 | 80·8 | 60·6 | 88·0 | Nov. 22 | 52·0 | July 11 | 55·51 | 164 | 2·22 | April 20 |
| | Jinja .. | 0° 26' N | 33° 12' E | 3,879 | 81·3 | 63·4 | 90·0 | Nov. 22, 23 | 57·0 | August 18 | 47·14 | 126 | 2·80 | Jan. 23 |
| | Budini .. | 0° 56' N | 33° 31' E | 3,500 | 86·7 | 63·5 | 96·0 | Mar. Nov. Dec. | 56·0 | July 14 | 51·25 | 161 | 2·77 | Jan. 7 |
| | Tororo .. | 0° 40' N | 34° 10' E | 4,045 | 82·7 | 61·5 | 90·1 | Feb. 5, Nov. 20, 21 | 56·0 | August 28 | 54·25 | 166 | 2·51 | Mar. 13 |
| | Mbarara .. | 0° 37' S | 30° 39' E | 4,721 | 79·0 | 57·7 | 88·0 | November 18 | 50·0 | August 2 | 35·69 | 122 | 1·87 | Feb. 13 |
| | Masaka .. | 0° 20' S | 31° 44' E | 4,327 | 77·2 | 61·0 | 87·0 | February 5 | 56·1 | June 25 | 52·16 | 150 | 3·27 | April 19 |
| | Kabale .. | 1° 15' S | 29° 59' E | 6,139 | .. | 50·6 | .. | .. | 37·0 | August 15 | 48·93 | 172 | 2·27 | Jan. 4 |

Summary of Meteorological Observations at Kololo Hill, Kampala, During the Year 1936.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,306 ft.

Standard time 2h. 30m. East.

Reference Number 89-3210.

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts, 8-30. | | | | | Rainfall. | | | Number of days of | | |
|-----------------|-------------------------|--------|--------------|-------|------------|-------|------------------|-------|---------------------|-------|--------------------|-------|------------------|-------|---|-----|------|-----|----|-----------|-------|-------|-------------------|-----------|-----|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Date. | Rain. | Thun-der. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | |
| | ins. | | F. | | ins. | | ins. | | % | | 8-30 | | 8-30 | | | | | | | ins. | | | | | |
| 25.703 | | 66.7 | | 0.582 | | 88 | | 7.5 | | 7.4 | | | | | | | 68.1 | | | | | | | | |
| JANUARY | 25.703 | 25.617 | 66.7 | 75.7 | 63.1 | 64.0 | 0.582 | 0.602 | 0.079 | 0.295 | 88 | 67 | 7.5 | 7.4 | 1 | 2 | 5 | 11 | 12 | 68.1 | 2.68 | 0.58 | 5 | 17 | 19 |
| FEBRUARY | 25.709 | 25.617 | 67.0 | 76.2 | 64.6 | 64.8 | 0.614 | 0.617 | 0.050 | 0.295 | 92 | 68 | 8.3 | 7.8 | 0 | 1 | 4 | 12 | 12 | 66.8 | 2.63 | 1.03 | 6 | 14 | 13 |
| MARCH | 25.703 | 25.614 | 69.2 | 78.6 | 64.9 | 64.9 | 0.620 | 0.623 | 0.100 | 0.363 | 86 | 63 | 6.3 | 5.7 | 1 | 6 | 9 | 7 | 8 | 181.6 | 7.15 | 1.59 | 31 | 16 | 12 |
| APRIL | 25.723 | 25.638 | 67.0 | 74.5 | 64.9 | 64.9 | 0.620 | 0.623 | 0.044 | 0.236 | 93 | 73 | 6.9 | 5.9 | 0 | 3 | 10 | 11 | 6 | 377.7 | 14.87 | 2.91 | 20 | 21 | 15 |
| MAY | 25.718 | 25.644 | 69.9 | 76.3 | 65.8 | 65.3 | 0.641 | 0.629 | 0.097 | 0.283 | 87 | 69 | 7.0 | 6.7 | 0 | 2 | 12 | 12 | 5 | 64.5 | 2.54 | 0.69 | 15 | 11 | 8 |
| JUNE | 25.765 | 25.703 | 66.4 | 72.9 | 62.6 | 62.6 | 0.573 | 0.573 | 0.080 | 0.242 | 88 | 70 | 8.0 | 7.3 | 0 | 0 | 3 | 19 | 8 | 138.9 | 5.47 | 1.98 | 3 | 16 | 15 |
| JULY | 25.777 | 25.721 | 66.0 | 74.4 | 62.1 | 60.6 | 0.561 | 0.534 | 0.083 | 0.325 | 87 | 62 | 6.9 | 7.3 | 1 | 4 | 9 | 9 | 8 | 19.3 | 0.76 | 0.40 | 11 | 10 | 8 |
| AUGUST | 25.747 | 25.676 | 66.2 | 74.3 | 61.9 | 61.9 | 0.558 | 0.558 | 0.091 | 0.298 | 86 | 65 | 6.2 | 7.1 | 3 | 3 | 10 | 7 | 8 | 43.2 | 1.70 | 0.42 | 19 | 13 | 12 |
| SEPTEMBER | 25.744 | 25.656 | 67.4 | 74.6 | 63.5 | 63.5 | 0.590 | 0.590 | 0.009 | 0.275 | 87 | 68 | 6.9 | 7.2 | 3 | 1 | 7 | 13 | 6 | 89.4 | 3.52 | 0.72 | 14 | 16 | 15 |
| OCTOBER | 25.726 | 25.629 | 70.0 | 75.3 | 63.9 | 64.4 | 0.599 | 0.608 | 0.139 | 0.278 | 81 | 69 | 5.5 | 6.9 | 4 | 6 | 6 | 14 | 1 | 87.6 | 3.45 | 0.83 | 26 | 17 | 17 |
| NOVEMBER | 25.709 | 25.611 | 70.8 | 78.1 | 62.8 | 63.1 | 0.576 | 0.582 | 0.186 | 0.387 | 76 | 60 | 6.8 | 6.5 | 1 | 3 | 9 | 14 | 3 | 91.7 | 3.61 | 1.32 | 24 | 14 | 9 |
| DECEMBER | 25.703 | 25.614 | 69.0 | 76.6 | 61.5 | 62.4 | 0.552 | 0.570 | 0.165 | 0.354 | 77 | 62 | 6.8 | 6.8 | 4 | 0 | 8 | 14 | 5 | 112.8 | 4.44 | 2.32 | 20 | 15 | 7 |
| Year | 25.727 | 25.645 | 68.0 | 75.6 | 63.5 | 63.5 | 0.591 | 0.592 | 0.100 | 0.303 | 86 | 66 | 6.9 | 6.8 | 18 | 31 | 92 | 143 | 82 | 1341.6 | 52.82 | 2.91 | April 20th | 180 | 150 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | Frequency of Visibility at 8-30. | | | | | | | | | | | | |
|-----------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|----|------------------------|-------|-------------------------------------|-----------|------|----------|-----------|-----------|-----------------|--------|------|----------------------------------|------|-------|-----------|------|------|------|------|------|------|---|---|----|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | mph. | mph. | F. | | F. | | F. | | F. | F. | F. | | | |
| | | | | | | | | | | | | | | | | | | | | | | 6 | 10 | 82.8 | 31 | 58.8 | 24 | 78.8 | 63.3 | 71.1 | 19.1 | 10.2 | 15.5 | 1 | 2 | 28 |
| JANUARY | 2 | 4 | 3 | 6 | 4 | 8 | 1 | 0 | 3 | 25 | 3 | 0 | 6 | 10 | 82.8 | 31 | 58.8 | 24 | 78.8 | 63.3 | 71.1 | 19.1 | 10.2 | 15.5 | 1 | 2 | 28 | | | | | | | | | |
| FEBRUARY | 4 | 2 | 1 | 3 | 5 | 2 | 5 | 5 | 2 | 25 | 2 | 0 | 6 | 11 | 85.1 | 4 | 59.0 | 6 | 78.3 | 63.7 | 71.0 | 24.5 | 6.0 | 14.6 | 3 | 0 | 26 | | | | | | | | | |
| MARCH | 0 | 2 | 1 | 2 | 14 | 2 | 5 | 3 | 2 | 26 | 3 | 0 | 9 | 14 | 85.1 | 10 | 58.6 | 3 | 80.6 | 63.9 | 72.3 | 22.5 | 12.1 | 16.7 | 0 | 1 | 30 | | | | | | | | | |
| APRIL | 2 | 2 | 3 | 4 | 6 | 9 | 4 | 0 | 0 | 20 | 10 | 0 | 11 | 12 | 81.0 | 24 | 59.7 | 27 | 77.5 | 63.3 | 70.4 | 18.2 | 9.7 | 14.2 | 1 | 0 | 29 | | | | | | | | | |
| MAY | 2 | 0 | 2 | 3 | 15 | 7 | 1 | 1 | 0 | 24 | 7 | 0 | 8 | 15 | 81.9 | 27 | 61.7 | 15 | 78.6 | 64.9 | 71.7 | 18.7 | 7.7 | 13.7 | 0 | 0 | 31 | | | | | | | | | |
| JUNE | 3 | 0 | 3 | 3 | 11 | 6 | 3 | 0 | 1 | 21 | 8 | 0 | 10 | 17 | 80.2 | 2 | 58.1 | 4 | 75.4 | 62.2 | 68.8 | 19.9 | 7.9 | 13.2 | 0 | 0 | 30 | | | | | | | | | |
| JULY | 5 | 2 | 3 | 1 | 7 | 5 | 2 | 6 | 0 | 28 | 3 | 0 | 8 | 16 | 84.0 | 28 | 58.3 | 31 | 76.6 | 62.1 | 69.3 | 22.1 | 6.6 | 14.5 | 2 | 14 | 15 | | | | | | | | | |
| AUGUST | 16 | 5 | 1 | 1 | 2 | 1 | 1 | 4 | 0 | 23 | 8 | 0 | 9 | 13 | 84.2 | 7 | 58.3 | 17 | 78.3 | 61.5 | 69.9 | 24.1 | 10.8 | 16.8 | 1 | 10 | 20 | | | | | | | | | |
| SEPTEMBER | 8 | 6 | 4 | 2 | 0 | 3 | 1 | 6 | 0 | 26 | 4 | 0 | 8 | 10 | 85.3 | 27 | 58.3 | 26 | 78.8 | 62.1 | 70.5 | 23.4 | 6.6 | 16.7 | 1 | 1 | 28 | | | | | | | | | |
| OCTOBER | 8 | 6 | 4 | 1 | 2 | 1 | 3 | 6 | 0 | 30 | 1 | 0 | 6 | 11 | 84.2 | 10 | 60.8 | 25 | 80.6 | 63.3 | 71.9 | 21.8 | 12.6 | 17.3 | 0 | 0 | 31 | | | | | | | | | |
| NOVEMBER | 2 | 7 | 6 | 2 | 6 | 3 | 2 | 1 | 1 | 29 | 0 | 0 | 4 | 10 | 86.4 | 23 | 60.8 | 11 | 81.3 | 64.0 | 72.7 | 22.0 | 9.2 | 17.3 | 0 | 0 | 30 | | | | | | | | | |
| DECEMBER | 4 | 2 | 3 | 3 | 7 | 5 | 4 | 2 | 1 | 26 | 4 | 0 | 7 | 13 | 85.8 | 11 | 59.0 | 21 | 79.7 | 63.7 | 71.7 | 22.8 | 10.1 | 16.0 | 0 | 4 | 27 | | | | | | | | | |
| Year | 56 | 38 | 34 | 31 | 79 | 52 | 32 | 34 | 10 | 303 | 53 | 0 | 7.7 | 12.7 | 86.4 | Nov. 23rd | 58.1 | June 4th | 78.7 | 63.2 | 70.9 | 24.5 | 6.0 | 15.5 | 9 | 32 | 325 | | | | | | | | | |

Summary of Meteorological Observations at Entebbe During the Year 1936.

Latitude 0° 04' N.

Longitude 32° 29' E.

Altitude 3,878 ft.

Standard time 2h. 30m. East.

Reference Number 89-3202.

| Month. | Atmospheric Pressure, † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts, 8-30. | | | | | Rainfall. | | | Number of days of | | |
|-----------------|-------------------------|--------|--------------|-------|------------|-------|------------------|-------|---------------------|-------|--------------------|-------|------------------|-------|---|-----|-----|-----|-----|-----------|-------|-------|-------------------|---------------|---------------------|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Date. | Rain | Thun- der. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | fall in. 24 hrs. |
| | | ins. | ins. | F. | F. | F. | F. | ins. | ins. | ins. | ins. | % | % | | | | | | | | | | | | |
| JANUARY | 26.084 | 25.995 | 67.4 | 75.7 | 64.4 | 66.0 | 0.608 | 0.647 | 0.071 | 0.251 | 90 | 72 | 8.1 | 6.2 | 1 | 3 | 3 | 7 | 17 | 117.1 | 4.61 | 1.39 | 3 | 19 | 7 |
| FEBRUARY | 26.090 | 25.995 | 68.0 | 75.1 | 65.1 | 66.9 | 0.626 | 0.664 | 0.065 | 0.213 | 91 | 76 | 9.1 | 7.4 | 0 | 0 | 3 | 8 | 18 | 112.8 | 4.44 | 1.61 | 16 | 17 | 4 |
| MARCH | 26.078 | 25.989 | 69.8 | 77.7 | 66.0 | 66.9 | 0.643 | 0.664 | 0.092 | 0.292 | 88 | 69 | 6.8 | 5.6 | 1 | 4 | 9 | 7 | 10 | 214.1 | 8.43 | 1.28 | 2 | 16 | 2 |
| APRIL | 26.102 | 26.016 | 68.3 | 74.0 | 64.8 | 65.7 | 0.617 | 0.638 | 0.083 | 0.207 | 88 | 76 | 8.7 | 6.6 | 0 | 2 | 2 | 8 | 18 | 417.1 | 16.42 | 4.20 | 18 | 24 | 2 |
| MAY | 26.093 | 26.022 | 71.2 | 76.3 | 66.0 | 66.6 | 0.646 | 0.658 | 0.125 | 0.254 | 84 | 72 | 7.5 | 5.5 | 0 | 1 | 8 | 17 | 5 | 154.7 | 6.09 | 1.48 | 1 | 17 | 2 |
| JUNE | 26.140 | 26.078 | 68.2 | 73.9 | 63.1 | 64.4 | 0.584 | 0.608 | 0.109 | 0.236 | 84 | 72 | 8.5 | 6.6 | 0 | 1 | 3 | 12 | 14 | 336.0 | 13.23 | 2.34 | 4 | 22 | 0 |
| JULY | 26.152 | 26.099 | 67.9 | 73.6 | 62.1 | 63.5 | 0.561 | 0.591 | 0.124 | 0.245 | 82 | 71 | 6.8 | 6.1 | 0 | 4 | 10 | 7 | 10 | 90.9 | 3.58 | 1.07 | 5 | 11 | 0 |
| AUGUST | 26.119 | 26.051 | 67.3 | 75.1 | 62.2 | 63.3 | 0.564 | 0.587 | 0.109 | 0.290 | 84 | 67 | 6.7 | 5.4 | 0 | 6 | 10 | 3 | 12 | 37.6 | 1.48 | 1.10 | 2 | 5 | 0 |
| SEPTEMBER | 26.119 | 26.037 | 68.2 | 74.8 | 63.0 | 63.9 | 0.579 | 0.599 | 0.115 | 0.272 | 83 | 69 | 6.6 | 6.0 | 0 | 7 | 7 | 7 | 9 | 46.2 | 1.82 | 0.54 | 13 | 10 | 6 |
| OCTOBER | 26.104 | 26.007 | 70.2 | 77.7 | 63.9 | 64.6 | 0.599 | 0.614 | 0.145 | 0.343 | 81 | 64 | 6.8 | 6.1 | 0 | 6 | 7 | 8 | 10 | 93.2 | 3.67 | 2.14 | 27 | 10 | 3 |
| NOVEMBER | 26.087 | 25.995 | 69.6 | 77.8 | 63.9 | 64.9 | 0.599 | 0.620 | 0.130 | 0.337 | 82 | 65 | 7.1 | 4.9 | 0 | 5 | 6 | 8 | 11 | 135.4 | 5.33 | 1.80 | 6 | 12 | 0 |
| DECEMBER | 26.080 | 25.992 | 68.4 | 76.3 | 64.2 | 63.9 | 0.596 | 0.599 | 0.104 | 0.313 | 86 | 66 | 7.2 | 5.6 | 4 | 2 | 4 | 7 | 14 | 95.0 | 3.74 | 1.08 | 20 | 16 | 1 |
| Year | 26.104 | 26.023 | 68.7 | 75.7 | 64.1 | 65.1 | 0.602 | 0.624 | 0.106 | 0.271 | 85 | 70 | 7.5 | 6.0 | 6 | 41 | 72 | 99 | 148 | 1850.1 | 72.84 | 4.20 | April 18th | 179 | 27 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | Calm. | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | Frequency of Visibility at 8-30. | | | | | |
|-----------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|------|------------------------|-------|-------------------------------------|--------------|------|--------------|--------------|--------------|-----------------------|----------------------------------|------|-------|------|-------|--------------|
| | N | NE | E | SE | S | SW | W | NW | | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| | | | | | | | | | | mph. | | mph. | | F. | | F. | | F. | | F. | | | | | | | |
| JANUARY | 5 | 2 | 1 | 2 | 4 | 2 | 8 | 5 | 2 | 26 | 3 | 0 | 5 | 12 | 82.0 | 5 | 57.2 | 12 | 77.8 | 63.0 | 70.4 | 21.0 | 8.0 | 14.7 | 1 | 3 | 27 |
| FEBRUARY | 5 | 1 | 1 | 5 | 2 | 0 | 5 | 10 | 0 | 25 | 4 | 0 | 7 | 10 | 81.2 | 6 | 61.3 | 11 | 77.0 | 64.2 | 70.6 | 17.6 | 5.1 | 12.8 | 1 | 2 | 26 |
| MARCH | 6 | 1 | 1 | 5 | 3 | 3 | 7 | 5 | 0 | 31 | 0 | 0 | 6 | 11 | 82.4 | 23 | 60.7 | 31 | 79.2 | 64.1 | 71.7 | 19.0 | 9.1 | 15.1 | 0 | 4 | 27 |
| APRIL | 4 | 1 | 1 | 4 | 5 | 3 | 6 | 6 | 0 | 29 | 1 | 0 | 6 | 9 | 80.7 | 24 | 60.4 | 19 | 77.0 | 63.8 | 70.4 | 16.8 | 7.0 | 13.2 | 0 | 4 | 26 |
| MAY | 2 | 3 | 0 | 9 | 4 | 6 | 5 | 2 | 0 | 30 | 1 | 0 | 5 | 10 | 80.3 | 29 | 62.2 | 15 | 78.1 | 65.0 | 71.5 | 16.5 | 9.4 | 13.1 | 0 | 2 | 29 |
| JUNE | 1 | 0 | 1 | 6 | 7 | 5 | 6 | 0 | 4 | 24 | 2 | 0 | 5 | 7 | 79.8 | 1 | 59.7 | 28 | 75.9 | 62.9 | 69.4 | 16.2 | 8.0 | 13.0 | 0 | 4 | 26 |
| JULY | 7 | 4 | 2 | 2 | 5 | 2 | 7 | 2 | 0 | 31 | 0 | 0 | 3 | 5 | 81.1 | 28 | 59.0 | 31 | 75.8 | 61.8 | 68.8 | 18.1 | 6.2 | 14.0 | 0 | 2 | 29 |
| AUGUST | 16 | 3 | 1 | 3 | 1 | 0 | 1 | 6 | 0 | 31 | 0 | 0 | 3 | 5 | 84.0 | 18 | 58.0 | 15 | 77.6 | 61.7 | 69.7 | 24.0 | 10.0 | 15.9 | 0 | 0 | 31 |
| SEPTEMBER | 15 | 3 | 1 | 2 | 2 | 0 | 6 | 1 | 0 | 30 | 0 | 0 | 3 | 5 | 81.4 | 25 | 59.0 | 26 | 77.6 | 62.4 | 70.0 | 20.9 | 4.7 | 15.2 | 0 | 0 | 30 |
| OCTOBER | 13 | 3 | 1 | 2 | 2 | 2 | 3 | 5 | 0 | 31 | 0 | 0 | 3 | 6 | 83.2 | 11 | 60.0 | 2 | 80.1 | 63.7 | 71.9 | 21.6 | 12.0 | 16.3 | 0 | 1 | 30 |
| NOVEMBER | 14 | 1 | 1 | 0 | 5 | 1 | 4 | 4 | 0 | 30 | 0 | 0 | 3 | 6 | 83.0 | 22, 24 | 60.0 | 19 | 79.9 | 63.7 | 71.8 | 22.0 | 9.0 | 16.2 | 0 | 1 | 29 |
| DECEMBER | 7 | 3 | 1 | 0 | 2 | 4 | 6 | 8 | 0 | 31 | 0 | 0 | 4 | 8 | 82.0 | 10 | 60.0 | 22 | 77.8 | 63.0 | 70.4 | 20.8 | 7.8 | 14.8 | 0 | 2 | 29 |
| Year | 95 | 25 | 12 | 40 | 42 | 28 | 64 | 54 | 6 | 349 | 11 | 0 | 4.4 | 7.8 | 84.0 | Aug. 18th | 57.2 | Jan. 12th | 77.8 | 63.3 | 70.5 | 24.0 | 4.7 | 14.5 | 2 | 25 | 339 |

28016



UGANDA PROTECTORATE.

METEOROLOGICAL OBSERVATIONS,
1937.

BRITISH EAST AFRICAN METEOROLOGICAL SERVICE.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1937.

In connection with the Service 123 Rainfall Stations have reported, including one First Order Station, fourteen Second Order Stations, one Third Order Station and eighteen Rainfall Stations which were opened during the year.

The times of observations are:—

8-30 a.m. and 2-30 p.m. Local Standard Time. This corresponds to 0545 G.M.T. and 1145 G.M.T.

When the standard time was changed at the beginning of 1937, it was considered inadvisable to alter the local times of observation so that, in reality, the observations are now made 15 minutes earlier than the International Times of 0600 G.M.T. and 1200 G.M.T.

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

Rainfall.

The total rainfall for the year was 8% above normal. November was unusually wet, the total rainfall being 94% above average.

The abnormalities at certain stations are shown in the following table:—

| Station. | Province. | Departure from normal. | Station. | Province. | Departure from normal. |
|------------------|---------------|------------------------|-------------------|----------------|------------------------|
| Entebbe | Buganda | + 7.80 | Bubulu | Eastern | + 6.79 |
| Kampala | " | + 5.15 | Fort Portal | Western | + 7.29 |
| Masaka | " | + 2.48 | Busenyi | " | + 3.33 |
| Bukalasa | " | - 1.00 | Bunyaruguru | " | + 7.63 |
| Mubende | " | + 3.01 | Kabale | " | + 18.01 |
| Kalangala | " | + 44.86 | Butiti | " | + 17.12 |
| Jinja | Eastern | - 2.14 | Kilelooney | " | + 4.37 |
| Mbale | " | + 14.78 | Hoima | Northern | - 1.68 |
| Namasagali | " | - 2.34 | Gulu | " | + 20.76 |
| Serere | " | + 6.12 | Arua | " | + 10.05 |
| Bugondo | " | - 5.92 | Ngetta | Eastern | - 3.45 |

The highest fall for the year was 129.02 inches at Kalangala, and the lowest 29.33 inches at Mwirasan du. The greatest fall recorded in 24 hours was 4.09 inches on the 3rd April at Mutai.

Temperatures.

Thirty-two Stations recorded temperatures during 1937. Of these twenty-four recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 99.0°F. at Katakwi in January and February and at Buwalasi in January, and the lowest 41.5°F. at Kabale in June.

The departures from normals for the various stations are shown below:—

| Station. | Province. | Departure from normal. (°F) | | Station. | Province. | Departure from normal. (°F) | |
|----------------|---------------|-----------------------------|-------|--------------|----------------|-----------------------------|-------|
| | | Max. | Min. | | | Max. | Min. |
| Entebbe | Buganda | - 0.5 | 0.0 | Jinja | Eastern | 0.0 | 0.0 |
| Kampala | " | - 0.3 | + 0.1 | Serere | " | + 0.4 | + 0.7 |
| Masaka | " | - 1.4 | - 0.3 | Ngetta | " | - 0.3 | - 0.3 |
| Bukalasa | " | + 0.3 | + 0.3 | Arua | Northern | - 1.0 | + 0.2 |

| 1937. | Station. | Lat. | Long. | Alt. ft. | Air Temperature. | | | | | Rainfall. | | | | |
|-------|-------------------------------------|----------|-----------|----------|------------------|---------|---------------|-------------------------|---------------|-----------------------|------------|-------------|-------------------|----------|
| | | | | | Mean. | | Absolute Max. | | Absolute Min. | | Total ins. | No. of days | Max. in 24 hours. | |
| | | | | | Max. °F | Min. °F | °F | Date. | °F | Date. | | | Amt. ins. | Date. |
| | Arua | 3° 01' N | 30° 55' E | 4,200 | 84.1 | 64.8 | 95.0 | February 13 .. | 60.0 | January 7 .. | 61.92 | 123 | 2.83 | Sept. 5 |
| | Gulu | 2° 45' N | 32° 20' E | 3,701 | 83.8 | .. | 94.0 | Jan. 23, Feb. 16 .. | .. | .. | 80.12 | 146 | 3.28 | Feb. 25 |
| | Lira | 2° 17' N | 32° 56' E | 3,592 | 85.4 | 61.6 | 97.2 | February 22 .. | 53.0 | December 8 .. | 51.68 | 145 | 3.77 | May 15 |
| | Butiaba | 1° 50' N | 31° 20' E | 2,036 | 83.9 | 71.8 | 95.6 | June 23 .. | 62.1 | September 30 .. | 32.10 | 108 | 2.37 | Nov. 22 |
| | Hoima | 1° 26' N | 31° 22' E | 3,800 | 82.7 | 62.1 | 91.0 | Feb. 17, Mar. 6, 8 .. | 55.0 | January 4 .. | 56.90 | 166 | 2.70 | March 9 |
| | Masindi | 1° 41' N | 31° 43' E | 3,760 | 82.8 | 62.8 | 92.0 | Jan. 18, 23 .. | 57.8 | December 20 .. | 60.78 | 156 | 2.72 | May 11 |
| | Serere | 1° 31' N | 33° 27' E | 3,600 | 86.9 | 64.5 | 96.0 | May 9 .. | 51.0 | February 7 .. | 59.80 | 151 | 2.14 | Aug. 1 |
| | Soroti | 1° 43' N | 33° 37' E | 3,655 | 85.8 | 64.2 | 96.0 | February 22 .. | 57.0 | February 24 .. | 52.31 | 137 | 3.07 | April 19 |
| | Mbale | 1° 06' N | 34° 11' E | 4,003 | 83.9 | 61.2 | 92.2 | Jan. 18, 22 .. | 54.5 | September 28 .. | 60.53 | 193 | 3.13 | June 24 |
| | Fort Portal | 0° 40' N | 30° 17' E | 5,049 | 76.9 | 55.6 | 86.0 | February 14 .. | 48.1 | September 6 .. | 64.53 | 198 | 3.62 | Feb. 23 |
| | Mubende | 0° 35' N | 31° 22' E | 5,095 | 76.0 | 60.7 | 84.0 | March 7 .. | 56.0 | May 18, Dec. 19 .. | 50.43 | 135 | 2.78 | April 13 |
| | Budo | 0° 16' N | 32° 29' E | 4,300 | 75.4 | 62.0 | 83.0 | March 11 .. | 58.0 | Feb., July, Aug, Nov. | 52.43 | 106 | 3.28 | Feb. 5 |
| | Bukalasa | 0° 43' N | 32° 30' E | 3,700 | 83.3 | 61.4 | 93.0 | March 6 .. | 53.0 | December 20 .. | 50.96 | 168 | 2.75 | Feb. 7 |
| | Kampala Government Plantation | 0° 19' N | 32° 35' E | 3,900 | 81.2 | 60.9 | 87.0 | Jan., Feb., Mar., Sept. | 53.0 | January 8 .. | 50.74 | 148 | 3.28 | Feb. 6 |
| | Jinja | 0° 26' N | 33° 12' E | 3,879 | 81.9 | 63.5 | 88.0 | Sept. 20, 21 .. | 57.5 | August 18 .. | 43.08 | 131 | 2.45 | April 27 |
| | Budini | 0° 56' N | 33° 31' E | 3,500 | 87.4 | 63.3 | 96.0 | Feb. 15, 16 .. | 55.0 | December 20 .. | 59.61 | 145 | 2.85 | April 8 |
| | Tororo | 0° 40' N | 34° 10' E | 4,045 | 83.0 | 61.4 | 91.0 | February 22 .. | 55.0 | December 10 .. | 51.80 | 188 | 2.55 | April 8 |
| | Mbarara | 0° 37' S | 30° 39' E | 4,734 | 78.9 | 59.3 | 86.1 | January 22 .. | 53.5 | June 12 .. | 40.59 | 141 | 2.32 | Sept. 25 |
| | Masaka | 0° 20' S | 31° 44' E | 4,307 | 77.2 | 60.9 | 85.0 | January 9, 10 .. | 57.0 | November 12 .. | 45.53 | 152 | 2.07 | Oct. 8 |
| | Kabale | 1° 15' S | 29° 59' E | 6,139 | 73.2 | 50.8 | 79.5 | September 3 .. | 41.5 | June 11 .. | 54.42 | 157 | 2.98 | March 21 |
| | Bulindi | 1° 28' N | 31° 28' E | 3,400 | 84.5 | 60.0 | 93.0 | Feb. 14, 15, 16 .. | 52.0 | Jan 4, Dec 20, 22 .. | 53.21 | 144 | 2.38 | April 17 |
| | Dabani C.M.S. | 0° 28' N | 34° 05' E | 4,000 | 86.2 | 61.8 | 97.0 | January 28 .. | 55.0 | December 22 .. | 66.68 | 190 | 2.02 | March 31 |
| | Koja | 0° 07' N | 34° 42' E | 3,750 | 76.9 | 68.8 | 84.0 | January 8 .. | .. | July, Aug, Nov. | 61.57 | 144 | 2.41 | May 12 |
| | Makimuga | 0° 45' N | 30° 06' E | 3,000 | 84.4 | 63.6 | 94.0 | Feb. 12, May 7 .. | 60.0 | Often .. | 56.86 | 186 | 2.97 | July 19 |
| | Katakwi | 1° 54' N | 33° 38' E | 3,900 | 89.9 | 69.2 | 99.0 | Jan., Feb. .. | 60.0 | Often .. | 42.31 | 131 | 3.31 | March 13 |
| | Buwalasi College | 1° 11' N | 34° 17' E | 5,000 | 80.7 | 63.3 | 99.0 | Jan. 24 .. | 58.0 | Jan. 20, Nov. 26 .. | 62.04 | 136 | 3.23 | Aug. 12 |

Summary of Meteorological Observations at Kololo Hill, Kampala, 1937.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,306 ft.

Standard time 2h. 45m. East.

Reference Number 89-3210.

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts. | | | | | Rainfall. | | | Number of days of | | | |
|-----------------|-------------------------|--------|--------------|-------|------------|-------|------------------|-------|---------------------|-------|--------------------|-------|------------------|-------|---------------------------------------|-----|-----|-----|-----|-----------|-------|----------------------|-------------------|-------|-------|---|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Max. fall in 24 hrs. | Date. | Rain. | Thun. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | | |
| | | | ins. | ins. | F. | F. | F. | F. | ins. | ins. | ins. | ins. | % | % | | | | | | | | | | | | |
| | | 25-700 | 25-603 | 69.5 | 79.6 | 61.7 | 59.9 | 0.555 | 0.520 | 0.171 | 0.496 | 76 | 51 | 6.5 | 6.0 | 5 | 4 | 3 | 11 | 8 | 12.7 | 0.50 | 0.24 | 26 | 7 | 8 |
| JANUARY | 25-700 | 25-603 | 69.5 | 79.6 | 61.7 | 59.9 | 0.555 | 0.520 | 0.171 | 0.496 | 76 | 51 | 6.5 | 6.0 | 5 | 4 | 3 | 11 | 8 | 12.7 | 0.50 | 0.24 | 26 | 7 | 8 | |
| FEBRUARY | 25-709 | 25-617 | 68.2 | 78.4 | 63.5 | 63.1 | 0.591 | 0.585 | 0.103 | 0.395 | 85 | 60 | 8.0 | 7.1 | 0 | 4 | 1 | 11 | 12 | 111.0 | 4.37 | 3.45 | 6 | 11 | 11 | |
| MARCH | 25-679 | 25-600 | 68.5 | 77.8 | 64.9 | 64.0 | 0.620 | 0.602 | 0.083 | 0.358 | 88 | 63 | 7.9 | 7.3 | 0 | 3 | 4 | 13 | 11 | 82.3 | 3.24 | 1.22 | 8 | 16 | 16 | |
| APRIL | 25-712 | 25-638 | 68.3 | 73.9 | 65.3 | 65.7 | 0.629 | 0.638 | 0.071 | 0.207 | 90 | 76 | 7.7 | 7.6 | 0 | 3 | 3 | 18 | 6 | 248.2 | 9.77 | 1.86 | 29 | 22 | 19 | |
| MAY | 25-741 | 25-676 | 66.8 | 73.7 | 64.9 | 65.3 | 0.620 | 0.629 | 0.041 | 0.213 | 94 | 75 | 8.1 | 7.3 | 0 | 0 | 6 | 15 | 10 | 196.3 | 7.73 | 1.68 | 10 | 23 | 10 | |
| JUNE | 25-756 | 25-703 | 65.8 | 73.7 | 64.0 | 63.9 | 0.602 | 0.599 | 0.039 | 0.240 | 94 | 71 | 7.9 | 7.7 | 1 | 2 | 4 | 11 | 12 | 63.8 | 2.51 | 1.02 | 20 | 15 | 14 | |
| JULY | 25-750 | 25-703 | 65.5 | 72.8 | 63.7 | 64.0 | 0.594 | 0.602 | 0.038 | 0.213 | 94 | 74 | 8.3 | 8.1 | 0 | 0 | 8 | 10 | 13 | 97.8 | 3.85 | 1.57 | 15 | 10 | 9 | |
| AUGUST | 25-741 | 25-679 | 67.0 | 76.3 | 64.4 | 65.1 | 0.608 | 0.623 | 0.056 | 0.290 | 92 | 68 | 6.6 | 6.6 | 1 | 4 | 11 | 7 | 8 | 16.3 | 0.64 | 0.32 | 9 | 6 | 12 | |
| SEPTEMBER | 25-735 | 25-647 | 68.9 | 79.0 | 63.3 | 64.0 | 0.588 | 0.602 | 0.124 | 0.396 | 83 | 60 | 6.2 | 6.4 | 1 | 3 | 13 | 11 | 2 | 73.2 | 2.88 | 1.06 | 25 | 12 | 20 | |
| OCTOBER | 25-727 | 25-635 | 68.1 | 76.7 | 64.4 | 64.9 | 0.611 | 0.620 | 0.083 | 0.304 | 88 | 67 | 7.5 | 7.2 | 0 | 2 | 6 | 17 | 6 | 88.6 | 3.49 | 0.67 | 22 | 15 | 18 | |
| NOVEMBER | 25-720 | 25-632 | 65.9 | 75.0 | 63.9 | 64.4 | 0.597 | 0.611 | 0.044 | 0.266 | 93 | 70 | 8.0 | 7.3 | 0 | 1 | 7 | 9 | 13 | 256.8 | 10.11 | 2.42 | 7 | 23 | 10 | |
| DECEMBER | 25-691 | 25-611 | 68.0 | 78.0 | 63.1 | 64.2 | 0.585 | 0.605 | 0.106 | 0.364 | 85 | 63 | 7.0 | 6.9 | 1 | 4 | 6 | 16 | 4 | 56.6 | 2.23 | 1.09 | 14 | 10 | 11 | |
| Year | 25-722 | 25-645 | 67.5 | 76.2 | 63.9 | 64.0 | 0.600 | 0.603 | 0.080 | 0.312 | 89 | 67 | 7.5 | 7.1 | 9 | 30 | 72 | 149 | 105 | 1303.6 | 51.32 | 3.45 | Feb. 6 | 170 | 158 | |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | | Frequency of Visibility at 8-30. | | |
|-----------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|----|------------------------|-------|-------------------------------------|---------|------|--------------------|-----------|-----------|-----------------|--------|------|-------|----------------------------------|-------|-----------|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JANUARY | 1 | 1 | 0 | 5 | 5 | 6 | 3 | 8 | 2 | 26 | 3 | 0 | 5 | 9 | 86.5 | 14 | 63.0 | 30 | 82.6 | 65.8 | 74.2 | 21.4 | 11.0 | 16.8 | 0 | 17 | 14 |
| FEBRUARY | 1 | 0 | 1 | 3 | 9 | 2 | 8 | 1 | 3 | 21 | 4 | 0 | 6 | 10 | 85.8 | 21 | 59.2 | 7 | 80.8 | 64.0 | 72.4 | 23.6 | 8.6 | 16.8 | 1 | 0 | 27 |
| MARCH | 1 | 1 | 1 | 3 | 12 | 7 | 3 | 2 | 1 | 29 | 1 | 0 | 6 | 10 | 86.0 | 4 | 60.3 | 8 | 80.2 | 64.6 | 72.4 | 21.6 | 3.8 | 15.6 | 0 | 1 | 30 |
| APRIL | 3 | 1 | 1 | 3 | 12 | 5 | 2 | 1 | 2 | 22 | 6 | 0 | 8 | 11 | 80.6 | 11 | 59.9 | 28 | 77.5 | 64.0 | 70.7 | 16.7 | 7.2 | 13.5 | 0 | 1 | 29 |
| MAY | 2 | 0 | 0 | 4 | 12 | 5 | 3 | 0 | 5 | 23 | 3 | 0 | 5 | 11 | 79.2 | 9 | 61.0 | 9 | 76.3 | 63.5 | 69.9 | 18.2 | 7.8 | 12.8 | 2 | 1 | 28 |
| JUNE | 6 | 5 | 2 | 2 | 4 | 7 | 3 | 1 | 0 | 29 | 1 | 0 | 6 | 12 | 78.8 | 2,14,16 | 59.7 | 10 | 76.3 | 63.3 | 69.8 | 17.1 | 7.6 | 13.0 | 3 | 3 | 24 |
| JULY | 10 | 3 | 4 | 1 | 3 | 4 | 2 | 4 | 0 | 25 | 6 | 0 | 7 | 12 | 81.0 | 25 | 59.2 | 17 | 75.6 | 62.8 | 69.2 | 18.8 | 9.2 | 12.8 | 3 | 8 | 20 |
| AUGUST | 6 | 9 | 2 | 4 | 5 | 2 | 1 | 2 | 0 | 29 | 2 | 0 | 6 | 12 | 83.7 | 28 | 59.0 | 13 | 78.4 | 62.6 | 70.5 | 20.9 | 9.0 | 15.8 | 2 | 8 | 21 |
| SEPTEMBER | 13 | 7 | 2 | 0 | 2 | 0 | 0 | 5 | 1 | 24 | 5 | 0 | 8 | 12 | 86.2 | 1 | 59.0 | 24 | 82.0 | 62.6 | 72.3 | 25.0 | 12.6 | 19.4 | 0 | 1 | 29 |
| OCTOBER | 9 | 3 | 3 | 0 | 2 | 4 | 2 | 2 | 6 | 24 | 1 | 0 | 4 | 10 | 83.7 | 21 | 60.3 | 5 | 79.7 | 63.3 | 71.5 | 19.8 | 12.1 | 16.4 | 0 | 0 | 31 |
| NOVEMBER | 7 | 4 | 1 | 2 | 3 | 1 | 9 | 3 | 0 | 26 | 4 | 0 | 7 | 9 | 82.4 | 15 | 59.9 | 27 | 78.1 | 62.6 | 70.3 | 20.7 | 10.6 | 15.5 | 3 | 4 | 23 |
| DECEMBER | 3 | 3 | 3 | 1 | 8 | 4 | 2 | 7 | 0 | 27 | 4 | 0 | 7 | 11 | 83.8 | 19 | 60.8 | 15 | 79.9 | 63.9 | 71.9 | 21.2 | 11.0 | 21.8 | 0 | 1 | 30 |
| Year | 62 | 37 | 20 | 28 | 77 | 47 | 38 | 36 | 20 | 305 | 40 | 0 | 6.3 | 10.7 | 86.5 | Jan. 14 | 59.0 | Aug. 13 Sep. 24 | 78.9 | 63.6 | 71.3 | 25.0 | 3.8 | 15.8 | 14 | 45 | 306 |

Summary of Meteorological Observations at Entebbe, 1937.

Latitude 0° 04' N.

Longitude 32° 29' E.

Altitude 3,878 ft.

Standard time 2h. 45m. East.

Reference Number 89-3202.

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts, 8-30. | | | | | Rainfall. | | | Number of days of | | |
|-----------------|-------------------------|--------|--------------|-------|------------|-------|------------------|-------|---------------------|-------|--------------------|-------|------------------|-------|---|-----|-----|-----|-----|-----------|-------|-------|-------------------|----------|------------------|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Date. | Rain | Thunder. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | fall in. 24 hrs. |
| | ins. | ins. | F. | F. | F. | F. | ins. | ins. | ins. | ins. | % | % | | | | | | | | | | ins. | | | |
| JANUARY | 26.072 | 25.978 | 69.0 | 78.9 | 64.6 | 64.4 | 0.614 | 0.608 | 0.104 | 0.390 | 86 | 61 | 7.0 | 4.8 | 3 | 4 | 3 | 8 | 13 | 18.3 | 0.72 | 0.31 | 16 | 8 | 4 |
| FEBRUARY | 26.084 | 25.995 | 68.7 | 76.9 | 64.4 | 66.7 | 0.608 | 0.661 | 0.101 | 0.269 | 86 | 71 | 8.9 | 6.1 | 0 | 1 | 2 | 9 | 16 | 108.5 | 4.27 | 1.18 | 1 | 13 | 8 |
| MARCH | 26.045 | 25.980 | 70.5 | 76.1 | 65.8 | 66.6 | 0.641 | 0.656 | 0.112 | 0.251 | 85 | 72 | 8.3 | 6.8 | 1 | 1 | 4 | 10 | 15 | 196.3 | 7.73 | 1.97 | 21 | 14 | 9 |
| APRIL | 26.081 | 26.016 | 70.8 | 75.2 | 66.0 | 66.6 | 0.644 | 0.659 | 0.118 | 0.221 | 84 | 75 | 8.2 | 6.8 | 0 | 2 | 4 | 11 | 13 | 221.2 | 8.71 | 1.79 | 27 | 23 | 9 |
| MAY | 26.113 | 26.051 | 69.0 | 74.0 | 65.1 | 66.4 | 0.626 | 0.653 | 0.092 | 0.192 | 87 | 77 | 8.5 | 6.7 | 0 | 2 | 3 | 9 | 17 | 328.4 | 12.93 | 2.18 | 1 | 25 | 7 |
| JUNE | 26.128 | 26.072 | 67.4 | 74.4 | 64.0 | 64.4 | 0.602 | 0.611 | 0.077 | 0.248 | 89 | 71 | 8.4 | 7.3 | 1 | 1 | 2 | 11 | 15 | 147.3 | 5.80 | 1.08 | 1 | 15 | 14 |
| JULY | 26.122 | 26.075 | 67.7 | 73.7 | 63.9 | 64.8 | 0.597 | 0.617 | 0.085 | 0.225 | 87 | 73 | 7.6 | 7.1 | 0 | 3 | 6 | 12 | 10 | 105.7 | 4.16 | 1.07 | 28 | 11 | 9 |
| AUGUST | 26.110 | 26.057 | 68.4 | 75.2 | 63.7 | 64.6 | 0.594 | 0.614 | 0.106 | 0.266 | 85 | 70 | 6.5 | 5.9 | 0 | 7 | 8 | 7 | 9 | 52.6 | 2.07 | 1.18 | 17 | 10 | 9 |
| SEPTEMBER | 26.102 | 26.028 | 69.4 | 77.6 | 63.9 | 65.5 | 0.599 | 0.635 | 0.127 | 0.319 | 83 | 67 | 7.4 | 5.4 | 0 | 3 | 5 | 17 | 5 | 112.3 | 4.42 | 1.89 | 26 | 12 | 12 |
| OCTOBER | 26.096 | 26.010 | 70.0 | 76.8 | 64.4 | 65.5 | 0.611 | 0.635 | 0.127 | 0.295 | 83 | 68 | 7.6 | 6.1 | 0 | 2 | 7 | 13 | 9 | 102.1 | 4.02 | 1.05 | 30 | 13 | 10 |
| NOVEMBER | 26.096 | 26.004 | 67.7 | 75.6 | 63.9 | 65.3 | 0.599 | 0.629 | 0.083 | 0.263 | 88 | 71 | 7.9 | 6.4 | 0 | 1 | 7 | 11 | 11 | 215.9 | 8.50 | 1.35 | 19 | 22 | 7 |
| DECEMBER | 26.066 | 25.983 | 69.1 | 76.3 | 64.2 | 65.3 | 0.605 | 0.629 | 0.113 | 0.284 | 84 | 69 | 7.9 | 5.7 | 0 | 1 | 6 | 15 | 9 | 103.6 | 4.08 | 1.26 | 30 | 18 | 11 |
| Year | 26.093 | 26.021 | 69.0 | 75.9 | 64.5 | 65.5 | 0.612 | 0.634 | 0.104 | 0.268 | 86 | 70 | 7.9 | 6.3 | 5 | 28 | 57 | 133 | 142 | 1712.2 | 67.41 | 2.18 | May 1 | 184 | 109 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | Frequency of Visibility at 8-30. | | | |
|-----------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|----|------------------------|-------|-------------------------------------|--------|------|----------------|-----------|-----------|-----------------|--------|------|----------------------------------|------|-------|-----------|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| | | | | | | | | | | | | | mph. | mph. | F. | | F. | | F. | F. | F. | F. | F. | F. | | | |
| JANUARY | 5 | 1 | 2 | 0 | 4 | 3 | 7 | 9 | 0 | 31 | 0 | 0 | 3 | 7 | 84.4 | 8 | 58.6 | 9 | 80.4 | 64.1 | 72.3 | 25.4 | 9.0 | 16.3 | 0 | 3 | 28 |
| FEBRUARY | 1 | 1 | 2 | 5 | 2 | 5 | 7 | 4 | 1 | 26 | 1 | 0 | 4 | 9 | 83.3 | 19 | 60.9 | 13 | 79.1 | 63.8 | 71.5 | 20.7 | 11.0 | 15.4 | 1 | 0 | 27 |
| MARCH | 1 | 0 | 5 | 5 | 9 | 5 | 3 | 3 | 0 | 30 | 1 | 0 | 5 | 10 | 81.2 | 6 | 59.2 | 5 | 78.5 | 64.7 | 71.6 | 21.3 | 9.0 | 13.9 | 1 | 0 | 30 |
| APRIL | 1 | 1 | 4 | 11 | 5 | 6 | 1 | 1 | 0 | 29 | 1 | 0 | 7 | 11 | 81.0 | 22 | 61.5 | 10 | 77.6 | 64.7 | 71.1 | 15.9 | 7.9 | 12.9 | 0 | 4 | 26 |
| MAY | 0 | 2 | 6 | 9 | 4 | 6 | 4 | 0 | 0 | 29 | 2 | 0 | 6 | 10 | 78.8 | 31 | 63.0 | 3,12,13,17 | 76.2 | 64.3 | 70.3 | 14.2 | 8.6 | 12.0 | 0 | 4 | 27 |
| JUNE | 1 | 0 | 1 | 3 | 1 | 9 | 7 | 8 | 0 | 28 | 2 | 0 | 7 | 11 | 79.0 | 17 | 60.0 | 12 | 76.0 | 63.1 | 69.5 | 17.6 | 7.0 | 12.8 | 0 | 1 | 29 |
| JULY | 2 | 2 | 2 | 1 | 2 | 6 | 3 | 13 | 0 | 27 | 4 | 0 | 7 | 11 | 79.4 | 25 | 60.0 | 8,11 | 76.0 | 62.2 | 69.1 | 18.4 | 7.6 | 13.8 | 0 | 13 | 18 |
| AUGUST | 10 | 1 | 1 | 1 | 5 | 4 | 3 | 6 | 0 | 29 | 2 | 0 | 7 | 12 | 80.0 | 25 | 59.2 | 12 | 76.9 | 61.3 | 69.1 | 20.0 | 10.6 | 15.5 | 0 | 31 | 0 |
| SEPTEMBER | 11 | 2 | 1 | 0 | 2 | 2 | 4 | 8 | 0 | 27 | 3 | 0 | 8 | 11 | 84.2 | 24 | 58.6 | 5 | 79.7 | 62.6 | 71.1 | 25.2 | 7.0 | 17.1 | 0 | 16 | 14 |
| OCTOBER | 7 | 2 | 2 | 0 | 3 | 1 | 6 | 10 | 0 | 29 | 2 | 0 | 8 | 12 | 81.8 | 11 | 61.1 | 1 | 78.8 | 63.5 | 71.1 | 19.6 | 10.4 | 15.3 | 0 | 1 | 30 |
| NOVEMBER | 9 | 1 | 1 | 0 | 2 | 4 | 7 | 6 | 0 | 29 | 1 | 0 | 7 | 10 | 82.3 | 15 | 60.0 | 22,27 | 77.9 | 62.6 | 70.3 | 19.3 | 10.6 | 15.3 | 0 | 3 | 27 |
| DECEMBER | 2 | 1 | 3 | 4 | 5 | 1 | 5 | 10 | 0 | 29 | 2 | 0 | 7 | 11 | 80.8 | 10 | 59.9 | 20 | 78.3 | 62.9 | 70.6 | 20.6 | 10.6 | 15.4 | 0 | 2 | 29 |
| Year | 50 | 14 | 30 | 39 | 44 | 52 | 57 | 78 | 1 | 343 | 21 | 0 | 6.3 | 10.4 | 84.4 | Jan. 8 | 58.6 | Jan. 9 Sept. 5 | 77.9 | 63.3 | 70.6 | 25.4 | 7.0 | 14.6 | 2 | 78 | 285 |

13

MOM177



UGANDA PROTECTORATE.

29504

METEOROLOGICAL OBSERVATIONS,
1938.

BRITISH EAST AFRICAN METEOROLOGICAL SERVICE.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1938.

In connection with the Service 173 Rainfall Stations have reported, including one First Order Station, fourteen Second Order Stations, one Third Order Station and fifty-six Rainfall Stations which were opened during the year.

The times of observations are :—

8-30 a.m. and 2-30 p.m. Local Standard Time. This corresponds to 0545 G.M.T. and 1145 G.M.T.

When the standard time was changed at the beginning of 1937, it was considered inadvisable to alter the local times of observation so that, in reality, the observations are now made 15 minutes earlier than the International Times of 0600 G.M.T. and 1200 G.M.T.

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

Rainfall.

The total rainfall for the year was 11% below normal. February was unusually dry, the total rainfall being 60% below average.

The abnormalities at certain stations are shown in the following table :—

| Station. | Province. | Departure from normal. | Station. | Province. | Departure from normal. |
|------------------|---------------|------------------------|-------------------|----------------|------------------------|
| Entebbe | Buganda | - 16.73 | Fort Portal | Western | - 10.55 |
| Kampala | " | - 8.17 | Bunyaruguru | " | - 7.15 |
| Masaka | " | - 6.11 | Kabale | " | + 7.95 |
| Bukalasa | " | - 7.91 | Butiti | " | - 9.59 |
| Mubende | " | - 6.31 | Kilclooney | " | - 16.95 |
| Kalangala | " | - 22.70 | Hoima | Northern | + 3.57 |
| Jinja | Eastern | - 2.43 | Gulu | " | - 16.88 |
| Mbale | " | - 7.12 | Arua | " | + 5.36 |
| Namasagali | " | + 2.41 | Ngetta | " | - 0.68 |
| Serere | " | - 7.43 | Kitgum | " | - 4.90 |
| Bugondo | " | - 5.52 | Moyo | " | - 2.71 |

The highest fall for the year was 111.59 inches at Kalangala, and the lowest 26.20 inches at Butiaba. The greatest fall recorded in 24 hours was 4.70 inches on the 16th June at Kaberamaido.

Temperatures.

Forty-one Stations recorded temperatures during 1938. Of these, thirty recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 99.2°F. at Mbale in February, and the lowest 40.0°F. at Kabale in January.

The departures from normals for the various stations are shown below :—

| Station. | Province. | Departure from normal. (°F) | | Station. | Province. | Departure from normal. (°F) | |
|----------------|---------------|-----------------------------|-------|--------------|----------------|-----------------------------|-------|
| | | Max. | Min. | | | Max. | Min. |
| Entebbe | Buganda | - 0.2 | + 0.1 | Jinja | Eastern | + 0.4 | + 0.2 |
| Kampala | " | + 0.8 | - 0.5 | Serere | " | - 0.1 | .. |
| Masaka | " | - 0.8 | - 0.2 | Ngetta | " | + 0.5 | - 0.1 |
| Bukalasa | " | + 1.2 | + 0.3 | Arua | Northern | + 0.2 | - 0.4 |

| 1938. | Station. | Lat. | Long. | Alt. ft. | Air Temperature. | | | | | | Rainfall. | | | |
|-------|------------------------------------|----------|-----------|----------|------------------|---------|---------------|------------------|---------------|------------------|------------|-------------|-------------------|----------|
| | | | | | Mean. | | Absolute Max. | | Absolute Min. | | Total ins. | No. of days | Max. in 24 hours. | |
| | | | | | Max. °F | Min. °F | °F | Date. | °F | Date. | | | Amt. ins. | Date. |
| | Gulu | 2° 45' N | 32° 20' E | 3,675 | 83.9 | 62.7 | 94.6 | February 24 .. | 57.0 | December 9,16 | 44.13 | 160 | 1.73 | Oct. 22 |
| | Lira | 2° 17' N | 32° 56' E | 3,593 | 86.2 | 61.8 | 97.3 | February 26 .. | 52.0 | June 5 .. | 55.00 | 152 | 2.18 | June 4 |
| | Butiaba | 1° 50' N | 31° 20' E | 2,037 | 83.1 | 71.7 | 94.0 | March 3 | 66.0 | April 27 .. | 26.20 | 99 | 1.76 | Aug. 29 |
| | Hoima | 1° 26' N | 31° 22' E | 3,800 | 83.2 | .. | 96.9 | February 7 | .. | | 62.06 | 165 | 2.65 | April 26 |
| | Masindi | 1° 41' N | 31° 43' E | 3,760 | 83.8 | 62.2 | 95.3 | February 19 .. | 56.0 | Jan. 6 Sept. 10 | 41.20 | 155 | 1.77 | July 28 |
| | Serere | 1° 31' N | 33° 27' E | 3,600 | 86.4 | .. | 98.0 | February 19 .. | .. | | 47.41 | 138 | 2.02 | July 19 |
| | Soroti | 1° 43' N | 33° 37' E | 3,655 | 86.7 | 64.2 | 97.1 | February 23 .. | 60.1 | May 25 July 1 | 48.21 | 140 | 2.71 | Sept. 22 |
| | Mbale | 1° 06' N | 34° 11' E | 4,003 | 85.5 | 60.7 | 99.2 | February 19 .. | 53.4 | January 5 .. | 39.62 | 140 | 2.47 | June 20 |
| | Fort Portal .. | 0° 40' N | 30° 17' E | 5,049 | 77.6 | 55.3 | 86.0 | February 19 .. | 46.0 | January 6 .. | 47.39 | 169 | 2.31 | May 31 |
| | Mubende | 0° 35' N | 31° 22' E | 5,095 | 76.6 | 60.5 | 88.0 | February 24 .. | 55.0 | September 10 .. | 41.43 | 142 | 2.20 | Oct. 6 |
| | Bukalasa | 0° 43' N | 32° 31' E | 3,700 | 84.2 | 61.4 | 96.0 | Jan. 25 Feb. 20 | 52.0 | January 5 .. | 44.10 | 161 | 2.03 | Sept. 27 |
| | Kampala Govern- ment Plantation | 0° 19' N | 32° 35' E | 3,900 | 81.9 | 61.8 | 93.0 | February 28 .. | 52.0 | Jan. 4 July 2 .. | 42.47 | 134 | 2.12 | Oct. 31 |
| | Jinja | 0° 26' N | 33° 12' E | 3,878 | 82.3 | 63.7 | 91.5 | February 27 .. | 55.1 | January 4 .. | 42.49 | 128 | 2.53 | April 9 |
| | Tororo | 0° 40' N | 34° 10' E | 4,045 | 84.0 | 60.9 | 95.0 | March 8 | 53.0 | January 10 .. | 44.75 | 161 | 2.15 | May 23 |
| | Mbarara | 0° 37' S | 30° 39' E | 4,734 | 79.3 | 57.9 | 89.1 | February 27 .. | 50.2 | June 9 .. | Inc | omplete | .. | .. |
| | Masaka | 0° 20' S | 31° 44' E | 4,308 | 77.6 | 61.0 | 87.6 | January 30 .. | 55.8 | June 28 .. | 37.02 | 144 | 1.73 | Sept. 30 |
| | Kabale | 1° 17' S | 29° 59' E | 6,138 | 72.9 | 49.5 | 79.8 | February 16 .. | 40.0 | January 3 .. | 45.93 | 143 | 3.57 | Aug. 17 |

Summary of Meteorological Observations at Kololo Hill, Kampala, 1938.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,304 ft.

Standard time 2h. 45m. East.

Reference Number 89-3210.

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts, at 8-30. | | | | | Rainfall. | | | Number of days of | | |
|-----------------|-------------------------|-------------|--------------|---------|------------|---------|------------------|------------|---------------------|------------|--------------------|-------|------------------|-------|--|-----|-----|-----|----|-----------|-------|-----------|-------------------|----------|------|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Date. | Rain. | Thunder. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | ins. |
| JANUARY | ins. 25·685 | ins. 25·603 | F. 70·2 | F. 81·6 | F. 60·3 | F. 60·1 | ins. 0·526 | ins. 0·523 | ins. 0·218 | ins. 0·567 | % 71 | % 48 | 4·8 | 4·9 | 5 | 7 | 6 | 11 | 2 | 18·3 | 0·72 | ins. 0·33 | 11 | 7 | 6 |
| FEBRUARY | 25·697 | 25·620 | 69·9 | 80·4 | 65·5 | 64·2 | 0·635 | 0·605 | 0·103 | 0·443 | 86 | 58 | 5·8 | 7·2 | 1 | 7 | 10 | 3 | 7 | 19·8 | 0·78 | 0·48 | 23 | 8 | 13 |
| MARCH | 25·670 | 25·600 | 68·1 | 76·9 | 63·9 | 63·7 | 0·597 | 0·594 | 0·097 | 0·336 | 86 | 64 | 7·5 | 7·1 | 0 | 1 | 9 | 13 | 8 | 129·8 | 5·11 | 1·33 | 26 | 15 | 12 |
| APRIL | 25·679 | 25·611 | 69·1 | 77·1 | 64·9 | 65·5 | 0·620 | 0·632 | 0·098 | 0·310 | 87 | 67 | 7·3 | 6·5 | 0 | 2 | 5 | 17 | 6 | 183·6 | 7·23 | 1·91 | 8 | 18 | 11 |
| MAY | 25·706 | 25·647 | 68·0 | 75·1 | 64·0 | 64·8 | 0·602 | 0·617 | 0·089 | 0·260 | 87 | 70 | 7·4 | 7·1 | 0 | 4 | 4 | 16 | 7 | 103·6 | 4·08 | 1·42 | 14 | 13 | 13 |
| JUNE | 25·753 | 25·703 | 66·4 | 72·7 | 62·6 | 62·2 | 0·573 | 0·564 | 0·080 | 0·245 | 88 | 70 | 7·7 | 8·0 | 0 | 2 | 6 | 14 | 8 | 28·4 | 1·12 | 0·33 | 23 | 10 | 18 |
| JULY | 25·744 | 25·691 | 64·9 | 73·3 | 61·2 | 60·6 | 0·543 | 0·535 | 0·077 | 0·289 | 88 | 65 | 6·1 | 7·6 | 1 | 9 | 5 | 10 | 6 | 44·2 | 1·74 | 1·08 | 17 | 11 | 13 |
| AUGUST | 25·712 | 25·647 | 65·3 | 75·2 | 61·9 | 61·2 | 0·558 | 0·543 | 0·071 | 0·337 | 89 | 62 | 7·2 | 7·6 | 1 | 1 | 9 | 15 | 5 | 77·0 | 3·03 | 1·04 | 19 | 12 | 17 |
| SEPTEMBER | 25·726 | 25·647 | 65·6 | 75·2 | 62·4 | 63·0 | 0·570 | 0·579 | 0·068 | 0·301 | 89 | 66 | 7·6 | 7·5 | 1 | 4 | 2 | 15 | 8 | 75·9 | 2·99 | 0·88 | 30 | 12 | 14 |
| OCTOBER | 25·715 | 25·620 | 67·8 | 74·8 | 62·2 | 62·4 | 0·564 | 0·570 | 0·121 | 0·301 | 82 | 65 | 6·9 | 7·5 | 0 | 5 | 9 | 11 | 6 | 139·4 | 5·49 | 1·81 | 31 | 20 | 11 |
| NOVEMBER | 25·706 | 25·617 | 68·1 | 76·8 | 62·1 | 62·4 | 0·561 | 0·570 | 0·133 | 0·360 | 81 | 61 | 7·3 | 7·5 | 0 | 4 | 6 | 12 | 8 | 89·9 | 3·54 | 1·76 | 2 | 17 | 15 |
| DECEMBER | 25·676 | 25·591 | 68·4 | 76·9 | 62·1 | 61·5 | 0·561 | 0·552 | 0·139 | 0·378 | 80 | 59 | 6·6 | 6·8 | 0 | 6 | 7 | 11 | 7 | 119·1 | 4·69 | 1·19 | 20 | 17 | 12 |
| Year | 25·706 | 25·633 | 67·7 | 76·3 | 62·8 | 62·6 | 0·576 | 0·574 | 0·108 | 0·344 | 85 | 63 | 6·9 | 7·1 | 9 | 52 | 78 | 148 | 78 | 1029·0 | 40·52 | 1·91 | April 8 | 160 | 155 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | | Frequency of Visibility at 8-30. | | |
|-----------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|----|------------------------|-------|-------------------------------------|---------|------|---------|-----------|-----------|-----------------|--------|------|-------|----------------------------------|-------|-----------|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| JANUARY | 2 | 5 | 10 | 5 | 3 | 2 | 1 | 3 | 0 | 24 | 7 | 0 | 8·9 | 12·8 | 89·6 | 30 | 60·8 | 12 | 84·7 | 64·5 | 74·6 | 26·4 | 8·8 | 20·2 | 0 | 8 | 23 |
| FEBRUARY | 0 | 0 | 1 | 4 | 10 | 6 | 6 | 1 | 0 | 24 | 4 | 0 | 6·5 | 18·1 | 91·1 | 20 | 58·8 | 4 | 84·4 | 65·3 | 74·9 | 26·3 | 12·1 | 19·1 | 0 | 5 | 23 |
| MARCH | 2 | 1 | 0 | 4 | 9 | 7 | 4 | 2 | 2 | 24 | 5 | 0 | 6·7 | 13·2 | 91·2 | 1 | 60·2 | 8 | 80·0 | 64·1 | 72·1 | 25·1 | 8·9 | 15·9 | 0 | 0 | 31 |
| APRIL | 0 | 1 | 0 | 3 | 12 | 9 | 5 | 0 | 0 | 27 | 3 | 0 | 8·7 | 12·8 | 82·4 | 20 | 60·0 | 10 | 79·2 | 63·9 | 71·5 | 20·0 | 10·7 | 15·3 | 0 | 1 | 29 |
| MAY | 1 | 4 | 0 | 3 | 8 | 10 | 3 | 0 | 2 | 25 | 4 | 0 | 7·2 | 12·3 | 83·6 | 11 | 60·2 | 31 | 78·1 | 63·1 | 70·6 | 18·0 | 12·0 | 15·0 | 1 | 0 | 30 |
| JUNE | 7 | 1 | 4 | 1 | 2 | 9 | 3 | 1 | 2 | 27 | 1 | 0 | 5·4 | 13·4 | 80·3 | 19 | 59·2 | 22 | 76·7 | 62·6 | 69·7 | 19·9 | 10·3 | 14·1 | 0 | 3 | 27 |
| JULY | 8 | 7 | 2 | 0 | 3 | 2 | 2 | 7 | 0 | 29 | 2 | 0 | 7·6 | 13·2 | 81·2 | 9 | 58·1 | 12 | 77·0 | 61·1 | 69·1 | 20·8 | 6·2 | 15·9 | 1 | 13 | 17 |
| AUGUST | 13 | 5 | 1 | 1 | 1 | 1 | 2 | 4 | 3 | 27 | 1 | 0 | 6·0 | 13·0 | 82·8 | 14 | 56·4 | 20 | 78·3 | 60·9 | 69·6 | 23·7 | 12·7 | 17·4 | 4 | 9 | 18 |
| SEPTEMBER | 14 | 9 | 1 | 0 | 1 | 0 | 2 | 3 | 0 | 27 | 3 | 0 | 6·5 | 11·0 | 83·4 | 8 | 59·0 | 23 | 80·1 | 61·1 | 70·6 | 23·8 | 7·5 | 19·0 | 3 | 2 | 25 |
| OCTOBER | 10 | 6 | 3 | 0 | 2 | 3 | 2 | 2 | 3 | 28 | 0 | 0 | 4·9 | 11·0 | 85·0 | 19 | 60·0 | 9,17,26 | 79·8 | 61·9 | 70·9 | 21·9 | 11·6 | 17·9 | 0 | 0 | 31 |
| NOVEMBER | 5 | 2 | 1 | 4 | 3 | 5 | 1 | 4 | 5 | 25 | 0 | 0 | 4·7 | 7·6 | 84·1 | 21 | 59·5 | 20 | 80·4 | 63·1 | 71·7 | 22·1 | 14·0 | 17·4 | 0 | 0 | 30 |
| DECEMBER | 2 | 2 | 2 | 4 | 7 | 7 | 2 | 5 | 0 | 30 | 1 | 0 | 6·3 | 9·4 | 84·9 | 9 | 59·0 | 21 | 81·0 | 63·1 | 72·1 | 21·4 | 13·6 | 17·9 | 1 | 1 | 29 |
| Year | 64 | 43 | 25 | 29 | 61 | 61 | 33 | 32 | 17 | 317 | 31 | 0 | 6·6 | 12·3 | 91·2 | March 1 | 56·4 | Aug. 20 | 80·0 | 62·9 | 71·5 | 26·3 | 6·2 | 17·1 | 10 | 42 | 313 |

Summary of Meteorological Observations at Entebbe, 1938.

Latitude 0° 04' N.

Longitude 32° 29' E.

Altitude 3,878 ft.

Standard time 2h. 45m. East.

Reference Number 89-3202.

| Month. | Atmospheric Pressure. † | | Temperature. | | | | Vapour Pressure. | | Saturation Deficit. | | Relative Humidity. | | Total Cloud Amt. | | Number of Occasions of Cloud Amounts, 8-30. | | | | | Rainfall. | | | Number of days of | | |
|-------------------|-------------------------|--------|--------------|-------|------------|-------|------------------|-------|---------------------|-------|--------------------|-------|------------------|-------|---|-----|-----|-----|-----|-----------|-------|-------|-------------------|-----------|------------------|
| | 8-30 | 14-30 | Dry Bulb. | | Dew Point. | | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 8-30 | 14-30 | 0 | 1-3 | 4-6 | 7-9 | 10 | Total. | | Date. | Rain | Thun-der. | |
| | | | 8-30 | 14-30 | 8-30 | 14-30 | | | | | | | | | | | | | | mm. | ins. | | | | fall in. 24 hrs. |
| | ins. | ins. | F. | F. | F. | F. | ins. | ins. | ins. | ins. | % | % | | | | | | | | | ins. | | | | |
| JANUARY | 26.054 | 25.980 | 71.0 | 79.2 | 63.1 | 63.9 | 0.585 | 0.599 | 0.183 | 0.405 | 76 | 60 | 5.5 | 4.4 | 1 | 10 | 6 | 9 | 5 | 36.3 | 1.43 | 0.59 | 11 | 6 | 3 |
| FEBRUARY | 26.072 | 26.001 | 71.0 | 78.6 | 66.2 | 67.1 | 0.650 | 0.667 | 0.118 | 0.319 | 85 | 68 | 6.9 | 6.5 | 1 | 4 | 6 | 8 | 9 | 32.3 | 1.27 | 0.55 | 8 | 7 | 8 |
| MARCH | 26.045 | 25.978 | 69.4 | 75.6 | 65.3 | 65.5 | 0.629 | 0.635 | 0.097 | 0.257 | 87 | 71 | 8.0 | 6.2 | 1 | 1 | 7 | 8 | 14 | 144.0 | 5.67 | 1.38 | 3 | 18 | 13 |
| APRIL | 26.054 | 25.989 | 71.2 | 76.1 | 66.0 | 66.7 | 0.647 | 0.661 | 0.124 | 0.246 | 84 | 73 | 7.5 | 6.0 | 0 | 3 | 6 | 11 | 10 | 230.6 | 9.08 | 1.57 | 21 | 20 | 11 |
| MAY | 26.084 | 26.022 | 69.5 | 75.0 | 65.5 | 65.8 | 0.635 | 0.641 | 0.091 | 0.236 | 87 | 73 | 7.9 | 6.5 | 0 | 4 | 2 | 11 | 13 | 182.9 | 7.20 | 1.38 | 14 | 21 | 12 |
| JUNE | 26.128 | 26.075 | 67.6 | 73.4 | 63.5 | 64.6 | 0.591 | 0.614 | 0.091 | 0.216 | 87 | 74 | 8.6 | 6.7 | 0 | 1 | 2 | 16 | 11 | 87.4 | 3.44 | 1.12 | 7 | 20 | 14 |
| JULY | 26.113 | 26.066 | 66.3 | 73.8 | 62.6 | 63.3 | 0.573 | 0.588 | 0.080 | 0.251 | 88 | 70 | 6.8 | 6.3 | 0 | 4 | 7 | 15 | 5 | 16.5 | 0.65 | 0.25 | 29 | 9 | 11 |
| AUGUST | 26.087 | 26.025 | 66.7 | 74.2 | 62.8 | 63.9 | 0.576 | 0.597 | 0.085 | 0.253 | 87 | 70 | 6.4 | 6.3 | 0 | 5 | 7 | 16 | 3 | 36.1 | 1.42 | 0.89 | 17 | 8 | 12 |
| SEPTEMBER | 26.102 | 26.022 | 67.5 | 75.4 | 62.6 | 64.0 | 0.573 | 0.602 | 0.106 | 0.284 | 84 | 68 | 6.2 | 5.2 | 1 | 6 | 6 | 12 | 5 | 52.1 | 2.05 | 0.71 | 9 | 10 | 9 |
| OCTOBER | 26.084 | 25.995 | 69.4 | 75.7 | 63.3 | 64.4 | 0.588 | 0.608 | 0.138 | 0.290 | 81 | 68 | 6.8 | 6.3 | 0 | 5 | 6 | 14 | 6 | 100.3 | 3.95 | 1.02 | 8 | 21 | 11 |
| NOVEMBER | 26.075 | 25.992 | 69.4 | 76.7 | 64.4 | 64.4 | 0.611 | 0.608 | 0.115 | 0.316 | 84 | 66 | 7.5 | 5.7 | 0 | 3 | 6 | 16 | 5 | 61.5 | 2.42 | 1.42 | 2 | 16 | 9 |
| DECEMBER | 26.042 | 25.969 | 69.1 | 77.7 | 63.9 | 63.1 | 0.599 | 0.585 | 0.119 | 0.372 | 84 | 61 | 8.6 | 7.9 | 0 | 2 | 2 | 13 | 14 | 100.3 | 3.95 | 1.53 | 24 | 14 | 14 |
| Year | 26.078 | 26.009 | 69.0 | 75.9 | 64.1 | 64.7 | 0.605 | 0.617 | 0.112 | 0.287 | 85 | 69 | 7.2 | 6.2 | 4 | 48 | 63 | 149 | 100 | 1080.3 | 42.53 | 1.57 | April 21 | 170 | 127 |

† At Station level: corrected for Temperature and to standard gravity.

| Month. | Frequency of Wind Directions at 8-30. | | | | | | | | | Frequency of Wind Force at 8-30. | | | Mean Velocity of Wind. | | Extremes of Temperature of the Air. | | | | | | | | | Frequency of Visibility at 8-30. | | | |
|-------------------|---------------------------------------|----|----|----|----|----|----|----|-------|----------------------------------|-----|------|------------------------|-------|-------------------------------------|---------|------|--------|-----------|-----------|-----------------|--------|------|----------------------------------|------|-------|-----------|
| | N | NE | E | SE | S | SW | W | NW | Calm. | 1-3 | 4-7 | >7 | 8-30 | 14-30 | Max. | Date. | Min. | Date. | Mean Max. | Mean Min. | Max. + Min. ÷ 2 | Range. | | | Fog. | Mist. | Good Vis. |
| | | | | | | | | | | | | | | | | | | | | | | Max. | Min. | Mean. | | | |
| | | | | | | | | | | | | mph. | mph. | F. | | F. | | F. | F. | F. | F. | F. | | | | | |
| JANUARY | 7 | 5 | 3 | 0 | 3 | 4 | 3 | 6 | 0 | 27 | 4 | 0 | 7.6 | 12.5 | 86.8 | 15 | 59.0 | 3, 5 | 81.2 | 62.8 | 72.0 | 24.0 | 10.5 | 18.4 | 0 | 11 | 20 |
| FEBRUARY | 1 | 2 | 2 | 4 | 4 | 3 | 8 | 2 | 2 | 26 | 0 | 0 | 3.6 | 7.4 | 83.7 | 27 | 61.4 | 4 | 81.1 | 65.6 | 73.3 | 21.4 | 8.4 | 15.5 | 0 | 6 | 22 |
| MARCH | 0 | 1 | 2 | 5 | 8 | 4 | 3 | 4 | 4 | 27 | 0 | 0 | 3.6 | 7.2 | 86.4 | 1 | 60.0 | 11 | 78.2 | 64.6 | 71.4 | 21.4 | 8.3 | 13.6 | 0 | 3 | 28 |
| APRIL | 0 | 0 | 2 | 5 | 7 | 10 | 4 | 1 | 1 | 28 | 1 | 0 | 6.5 | 11.4 | 80.6 | 20 | 62.0 | 2 | 78.0 | 65.3 | 71.7 | 15.7 | 8.4 | 12.7 | 0 | 0 | 30 |
| MAY | 1 | 1 | 2 | 6 | 8 | 7 | 3 | 2 | 0 | 24 | 6 | 0 | 7.8 | 10.7 | 80.0 | 11 | 60.4 | 30 | 77.0 | 63.9 | 70.5 | 18.0 | 10.3 | 13.1 | 0 | 1 | 29 |
| JUNE | 2 | 5 | 0 | 4 | 5 | 3 | 6 | 3 | 2 | 26 | 2 | 0 | 5.8 | 9.4 | 78.4 | 18 | 60.0 | 22 | 75.6 | 62.8 | 69.2 | 16.4 | 7.8 | 12.8 | 1 | 4 | 25 |
| JULY | 15 | 3 | 0 | 0 | 0 | 2 | 4 | 7 | 0 | 31 | 0 | 0 | 5.4 | 8.7 | 80.4 | 31 | 58.4 | 2, 4 | 75.8 | 61.1 | 68.5 | 20.3 | 8.1 | 14.7 | 0 | 19 | 12 |
| AUGUST | 16 | 10 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 30 | 1 | 0 | 6.0 | 11.2 | 80.5 | 14 | 58.1 | 5 | 77.1 | 61.4 | 69.3 | 21.3 | 9.7 | 15.7 | 0 | 15 | 16 |
| SEPTEMBER | 11 | 10 | 0 | 0 | 1 | 1 | 0 | 7 | 0 | 27 | 3 | 0 | 7.8 | 11.4 | 82.5 | 6 | 58.2 | 16 | 78.2 | 62.1 | 70.1 | 21.5 | 7.4 | 16.1 | 0 | 9 | 21 |
| OCTOBER | 10 | 10 | 4 | 2 | 1 | 0 | 3 | 1 | 0 | 30 | 1 | 0 | 6.0 | 9.6 | 83.0 | 4 | 61.3 | 9 | 78.4 | 63.2 | 70.8 | 18.2 | 8.6 | 15.2 | 0 | 5 | 26 |
| NOVEMBER | 9 | 3 | 3 | 1 | 2 | 1 | 8 | 1 | 2 | 27 | 1 | 0 | 4.5 | 10.1 | 81.3 | 22 | 61.1 | 14 | 78.6 | 63.7 | 71.1 | 18.9 | 10.2 | 15.0 | 0 | 0 | 30 |
| DECEMBER | 5 | 2 | 1 | 1 | 3 | 4 | 5 | 2 | 8 | 22 | 1 | 0 | 4.3 | 15.0 | 82.5 | 10 | 59.9 | 25 | 79.5 | 63.8 | 71.7 | 18.6 | 10.4 | 15.7 | 0 | 3 | 28 |
| Year | 77 | 52 | 19 | 28 | 43 | 39 | 49 | 38 | 19 | 325 | 20 | 0 | 5.7 | 10.4 | 86.8 | Jan. 15 | 58.1 | Aug. 5 | 78.2 | 63.4 | 70.8 | 24.0 | 7.4 | 14.9 | 1 | 76 | 287 |