

XXIII. *Extract of Meteorological Observations made at Hawkhill, near Edinburgh. By John M'Gouan. Communicated by Sir John Pringle, Bart. P.R.S.*

Read February 26, 1778.

Lat. 55°. 58'. } Long. 12'. 42''. in time, per
 Long. 3°. 10½'. W. } Astronomical Observations.

Fahrenheit's Thermometer.

| 1773. | | | | | 1774. | | |
|------------------------|--------------------|---------|-------|------------------|---------|-------|------------------|
| Months | 1st and 2d half | at 8 h. | A. M. | at 2 h. P. M. | at 8 h. | A | at 2 h. P. M. |
| January | 1 | 39.06 | 38.56 | 40.30 | 28.46 | 29.10 | 33.00 |
| | 2 | 38.06 | | | 29.75 | | |
| February | 1 | 32.14 | 35.07 | 40.75 | 34.14 | 36.21 | 40.43 |
| | 2 | 38.00 | | | 38.28 | | |
| March | 1 | 40.46 | 42.06 | 48.45 | 34.06 | 37.12 | 43.26 |
| | 2 | 43.66 | | | 40.18 | | |
| April | 1 | 42.40 | 45.60 | 51.10 | 43.13 | 43.13 | 48.90 |
| | 2 | 48.80 | | | 43.13 | | |
| May | 1 | 44.33 | 48.57 | 53.13 | 46.73 | 46.61 | 50.84 |
| | 2 | 52.81 | | | 46.50 | | |
| June | 1 | 54.13 | 55.19 | 60.06 | 54.80 | 55.10 | 59.70 |
| | 2 | 56.26 | | | 55.40 | | |
| July | 1 | 56.33 | 57.70 | 61.93 | 57.40 | 57.45 | 63.32 |
| | 2 | 59.06 | | | 57.50 | | |
| August | 1 | 60.40 | 58.26 | 64.77 | 58.13 | 57.25 | 62.21 |
| | 2 | 56.12 | | | 56.37 | | |
| September | 1 | 53.26 | 51.29 | 55.83 | 52.40 | 51.70 | 57.80 |
| | 2 | 49.33 | | | 51.00 | | |
| October | 1 | 47.20 | 46.03 | 50.67 | 51.06 | 48.28 | 52.84 |
| | 2 | 44.87 | | | 45.50 | | |
| November | 1 | 41.53 | 38.23 | 42.33 | 40.63 | 38.06 | 42.00 |
| | 2 | 34.93 | | | 35.50 | | |
| December | 1 | 35.60 | 36.42 | 38.48 | 37.40 | 37.32 | 39.97 |
| | 2 | 37.25 | | | 37.25 | | |
| Mediums of years at | 8 h. A. M. | | 46.08 | | | 44.86 | |
| | and 2 h. P. M. | | | 50.65 | | | 49.55 |

1775.

| 1775. | | | | | 1776. | |
|---------------------|---------------------------|---------|-------|---------------|---------|--------|
| Months. | 1st and 2d half | at 8 h. | A. M. | at 2 h. P. M. | at 8 h. | A. M. |
| January | 1 | 39.10 | 37.80 | 40.80 | 33.33 | 29.24½ |
| | 2 | 36.50 | | | 25.16 | |
| February | 1 | 37.64 | 39.07 | 43.96 | 36.32 | 35.66 |
| | 2 | 40.50 | | | 35.00 | |
| March | 1 | 39.80 | 40.05 | 44.32 | 37.60 | 40.86 |
| | 2 | 40.31 | | | 44.12 | |
| April | 1 | 44.83 | 46.83 | 53.35 | 43.60 | 45.90 |
| | 2 | 48.83 | | | 48.20 | |
| May | 1 | 52.60 | 52.74 | 59.61 | 47.36 | 49.29 |
| | 2 | 52.88 | | | 51.22 | |
| June | 1 | 55.66 | 56.60 | 60.43 | 55.00 | 55.50 |
| | 2 | 57.53 | | | 56.00 | |
| July | 1 | 58.20 | 59.13 | 67.53 | 58.16 | 59.36 |
| | 2 | 60.06 | | | 60.56 | |
| August | 1 | 59.10 | 57.65 | 63.67 | 58.60 | 56.73 |
| | 2 | 56.21 | | | 54.86 | |
| September | 1 | 53.20 | 53.26 | 58.87 | 55.00 | 51.80 |
| | 2 | 53.33 | | | 48.60 | |
| October | 1 | 48.86 | 45.30 | 50.22 | 48.60 | 46.99 |
| | 2 | 41.75 | | | 45.38 | |
| November | 1 | 38.00 | 37.96 | 41.10 | 45.80 | 40.97 |
| | 2 | 37.93 | | | 36.13 | |
| December | 1 | 41.16 | 38.58 | 41.48 | 42.54 | 37.77 |
| | 2 | 36.00 | | | 33.00 | |
| Mediums of years at | 8 h. A. M. and 2 h. P. M. | | 47.08 | | | 45.84 |
| | | | | 52.11 | | |

Depth of rain at Hawkhill, near Edinburgh, in perpendicular inches, for the year 1776.

| | | | | Inches |
|------------|---|---|---|--------|
| January | — | — | — | 3.262 |
| February | — | — | — | 2.355 |
| March | — | — | — | 1.465 |
| April | — | — | — | 1.213 |
| May | — | — | — | .626 |
| June | — | — | — | 2.367 |
| July | — | — | — | 3.075 |
| August | — | — | — | 2.410 |
| September | — | — | — | 2.755 |
| October | — | — | — | 1.735 |
| November | — | — | — | 2.750 |
| December | — | — | — | 2.080 |
| | | | | <hr/> |
| Total rain | | | | 26.093 |

