

II This is the sixth month of the year, and has for its sign GEMINI, the Twins; the most probable derivation of its name is from *Junio*, in honour of whom a festival was celebrated at the beginning of the month.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.
1851.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight showers.	Dry days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of Both.			Mean.	Highest.	Lowest.			
January.....	29.61	32.16	30.885	52	-6	29.665	30.42	28.88	5	5	21
February ...	33.00	33.20	33.100	57	9	29.805	30.36	29.28	5	6	17
March	37.774	39.774	387.257	75	21	29.693	07	30	2	6	23
April	44.76	45.7	45.23	77	29	64	30	15	4	6	20
May	56.45	55.45	55.95	88	31	71	10	24	2	8	21
June	65.83	64.16	65.00	92	43	65	06	18	3	8	19
July	69.94	70.00	69.97	97	53	639	29.86	40	4	8	19
August	68.13	67.77	67.95	91	49	749	30.02	50	4	5	22
September ..	63.96	63.00	63.03	96	36	838	30.25	25	5	3	22
October	50.2	50.51	50.35	77	27	6.375	00	28	2	8	21
November ...	38.43	38.13	38.28	53	26	652	40	02	4	7	19
December ...	26.16	26.80	26.48	52	0	68	20	28.90	5	9	17
Mean.....	48.756			Mean heat 29.6882					45	79	241

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Friday	Lord Howe's Victory 1794.	Mercury farthest north.	1 28 0	Sat. Toronto. D. H. M.
2	Satur.	Riots in London 1780.	Moon farthest south.	-1 28 0	I. Disapp. 10 1 41 Mo.
3	SUND.	<i>Trinity Sunday.</i>	Moon in Perigee.	1 28 0	I. Disapp. 17 3 35 Mo.
4	Mond.	Leopold King of Belgians 1831.	Venus south 2.52 eve.	1 28 0	III. Ecapp. 18 11 52 Ev.
5	Tuesd.	Printers' Strike in Toronto 1854.	Moon near Jupiter.	1 28 1	I. Disapp. 23 1 11 Mo.
6	Wed.	Gavazzi's riots in Quebec 1853.	Jupiter South 5.21 mo.	1 28 1	I. Disapp. 25 11 58 Ev.
7	Thur.	<i>Corpus Christi.</i>	Saturn in Taurus.	1 28 1	III. Disapp. 26 0 18 Mo.
8	Friday	(7) Parkes' Steam Boiler expl. '54	Moon on equator.	1 28 1	
9	Satur.	St. John's N. F. burnt, 1846.	Mars N. of Aldebaran.	1 28 1	
10	SUND.	(9) Gavazzi Riots Montreal, 1853.	Saturn ϕ Sun.	1 28 1	
11	Mond.	Hon. S. Smith Admin. 1817.	Moon at Ascen. node.	1 28 1	Ex. 28.—The area of a right-angled triangle is 108: what are the sides, they being in arithmetical progression?
12	Tuesd.	(10) Steamer Admiral burnt 1853.	Venus in $\alpha\beta$ nebula.	1 28 1	
13	Wed.	Corsica taken by France, 1769.	Mercury in Gemini.	1 28 1	
14	Thur.	Battle of Marengo 1800.	Mercury gr. elong. E.	1 28 1	Ex. 29.—Required the side of a figure of 12 equal sides, inscribed in a circle whose radius is 10.
15	Friday	Magna Charta signed 1215.	Moon farthest north.	1 28 1	
16	Satur.	Marlborough died, 1722.	Moon east of Mercury.	1 28 1	
17	SUND.	John Wesley born 1703.	Moon near Venus.	1 28 1	
18	Mond.	Montr. & Portland R. R. op. 1853.	Jupiter in Aquarius.	1 28 1	Ex. 30.—The area of a triangle is 4140, and two of the sides are 202 and 41: required the third side.
19	Tuesd.	(18) Battle of Waterloo 1815.	Moon in Apogee.	1 28 2	
20	Wed.	Scriptures Prohibited 1230.	Jupiter South 4.28 mo.	1 28 2	
21	Thur.	Queen Victoria's access. 1837.	Sun enters Gemini.	1 28 2	
22	Friday	Machiavel died 1527.	Jupiter Stationary.	1 28 2	
23	Satur.	M. Aikenside died 1770.	Jupiter South 4.16 mo.	1 28 2	Ex. 31.—The sides of a field are 25, 35, 31, and 19 rods, the diagonals being equal, what is its area?
24	SUND.	French Revolution 1848.	Venus south 3.6 ev.	1 28 2	
25	Mond.	Battle of Bannockburn, 1314.	Moon at Desc. node.	1 28 2	
26	Tuesd.	(27) Lochokke died 1848.	Mars in Taurus.	1 28 2	
27	Wed.	Steamer <i>St. Joseph</i> burnt 1853.	Jupiter south 4.0 mo.	1 28 2	Ex. 32.—The legs of a right-angled triangle are 3 to 4, and difference of inscribed circle and square = 20.2825: required the legs.
28	Thur.	Great Fire at Quebec, 1843.	Mercury stationary.	1 28 2	
29	Friday	(28) Coronation of the Q'n 1839.	Moon farthest south.	1 28 2	
30	Satur.	Sir P. Maitland Lt.-Gov. 1820.	Venus in the Sic. of Leo.	1 28 2	