

☿ This month has AQUARIUS, or the Water-bearer for its Zodiacal sign; its name is from the *Februus*, or sacrifices offered to the manes of the gods at this season.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.
1847.

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 . . .	25.774	26.29	26.032	54	2	29.65	30.17	28.90	5	7	19	
February ...	25.786	27.678	26.732	45	2	594	03	86	4	9	15	
March	32.42	32.48	32.45	54	10	69	05	29.15	2	3	26	
April	46.03	43.2	44.615	77	20	657	06	18	3	6	21	
May	59.54	55.26	57.4	84	34	665	00	20	2	7	22	
June	67.16	61.4	64.28	90	41	649	29.96	10	3	9	18	
July	78.6	71.6	75.1	96	46	752	98	50	1	5	25	
August	71.19	66.13	68.66	88	48	75	30.02	42	2	7	22	
September...	60.66	58.56	59.62	86	39	694	04	37	5	10	15	
October	47.9	48.03	47.965	72	24	707	34	07	4	7	20	
November ...	41.77	41.93	41.85	71	11	695	19	30	5	8	17	
December ...	32.7	33.8	33.25	58	10	667	02	28.97	5	11	15	
Mean.....	48.163					29.681				41	89	235

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Thur.	Battle of Brienne, 1814.	Uranus 90° east of Sun.	° // /	The Satellites of Jupiter will not be visible this month, Jupiter being too near the sun.
2	Friday	<i>Andlemas.</i>	Mars south 1.13 eve.	1 27 32	
3	Satur.	Spanish Inquisition abol. 1813.	Saturn in ♄ this month	1 27 32	
4	SUND.	<i>Septuagesima.</i>	Jupiter in ♃ this month	1 27 32	Ex. 7.—The sides of a triangle are 25, 51, and 52, what is the diameter of the largest inscribe 1 circle?
5	Mond.	(4) Order of St. Patrick Inst. 1783.	Moon in equator.	1 27 32	
6	Tuesd.	R. Lander died, 1834.	<i>Mars eclipsed by Mercury</i>	1 27 32	
7	Wed.	(6) Battle of Elizabethtown, 1813	(7th, ♀ ♄ ♄). ♀ n'r ♄.	1 27 32	Ex. 8.—The adjacent sides of a parallelogram are 3, and 5, and one diagonal is 8; required the other diagonal.
8	Thur.	Mary Queen of Scots beh. 1587.	Saturn stationary.	1 27 33	
9	Friday	Canada ceded to Britain, 1763.	Mars in ♄ this month.	1 27 33	
10	Satur.	Queen Victoria married 1840.	Uranus in ♑ this month	1 27 33	Ex. 9.—The height of a triangle is 90, its base 91, and the sum of the sides 252; required the sides.
11	SUND.	Lord Sydenham Gov. Gen. 1840.	Jupiter south 11.13 mo.	1 27 33	
12	Mond.	Lady Jane Grey beheaded 1554.	Moon farthest south.	1 27 33	
13	Tuesd.	B. Cellini died 1570.	Venus south 1.13 eve.	1 27 33	Ex. 10.—The sides of a triangle are 17, 25, and 28; required the distance of a point within which will be equally distant from the three corners.
14	Wed.	<i>Valentine Day.</i>	Mars south 1.1 eve.	1 27 33	
15	Thur.	L. Blanchard com. suicide, 1845.	Moon in perigee.	1 27 34	
16	Friday	Melancthon born 1497.	Venus south 1.15 eve.	1 27 34	Ex. 11.—The radius of a circle inscribed in a triangle, whose sides are 13, 20, 21, is 4 1/2; what is the radius of the circumscribing circle?
17	Satur.	Partition of Poland, 1772.	Moon near Mars & ♄	1 27 34	
18	SUND.	<i>Quinquagesima.</i>	Sun enters ♋. ♄ Gr.	1 27 34	
19	Mond.	(18) Canada settled, 1534.	Venus in ♋. [elong E.	1 27 34	Prob. 4. What is the Prob. 5. and \$8.00 found his much mus Prob. 6. hours? 1 that time?
20	Tuesd.	Voltaire born, 1694.	Venus near Mercury.	1 27 35	
21	Wed.	<i>Ash Wednesday.</i>	Moon near Uranus.	1 27 35	
22	Thur.	21) 92 Resolutions passed, 1834.	Moon at Ascen. node.	1 27 35	
23	Friday	(22) Washington born, 1732.	Moon near Saturn.	1 27 35	
24	Satur.	Handel born, 1684.	Mercury Stationary.	1 27 35	
25	SUND.	<i>1st Sunday in Lent.</i>	Saturn south 6.10 eve.	1 27 36	
26	Mond.	James Hervey born, 1714.	Moon farthest north.	1 27 36	
27	Tuesd.	Sir J. Colborne Admin. 1833.	Saturn 90 East of Sun.	1 27 36	
28	Wed.	Montaigne born 1533.	Mars near Mercury.	1 27 36	

GEOMETRICAL PROBLEM I.—How many solid and superficial inches in a ring, whose diameter inside is 8 inches, and thickness 2 inches?

○ Full M
● Last Q
● New M
● First Q
☾ Perigee
☾ Apogee

Day Mo.	Year	Day of Week.
1	...	1
7	...	1
2	...	1
19	...	1
25	...	1
28	...	1

Day of Month.	Day of Week.
1	Thur.
2	Friday
3	Satur.
4	Sund.
5	Mond.
6	Tuesd.
7	Wed.
8	Thur.
9	Friday
10	Satur.
11	Sund.
12	Mond.
13	Tuesd.
14	Wed.
15	Thur.
16	Friday
17	Satur.
18	Sund.
19	Mond.
20	Tuesd.
21	Wed.
22	Thur.
23	Friday
24	Satur.
25	Sund.
26	Mond.
27	Tuesd.
28	Wed.

1	Thur.
2	Friday
3	Satur.
4	Sund.
5	Mond.
6	Tuesd.
7	Wed.
8	Thur.
9	Friday
10	Satur.
11	Sund.
12	Mond.
13	Tuesd.
14	Wed.
15	Thur.
16	Friday
17	Satur.
18	Sund.
19	Mond.
20	Tuesd.
21	Wed.
22	Thur.
23	Friday
24	Satur.
25	Sund.
26	Mond.
27	Tuesd.
28	Wed.

Prob. 4. What is the Prob. 5. and \$8.00 found his much mus Prob. 6. hours? 1 that time?