

☿ This is the fourth month of the year, having for its sign **ARIES**, the Ram. Its Latin name *Aprilis*, is from *Aperio*, to open or set forth.

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

1849.

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.....	23.20	24.50	23.85	53	-6	29.83	30.47	29.20	3	7	21
February ...	22.714	25.142	23.928	49	-6	29.767	30.30	29.15	3	7	18
March	36.71	38.03	37.37	73	23	29.745	30.18	29.00	2	5	24
April	42.4	42.64	42.52	77	22	29.676	30.00	29.15	1	8	21
May	52.36	52.64	52.5	84	35	29.7065	30.22	29.08	6	8	17
June	69.47	67.37	68.42	99	45	29.735	29.98	29.42	2	5	23
July.	73.16	71.9	72.53	101	54	29.79	30.08	29.44	2	2	27
August. . .	70.16	69.9	70.03	98	53	29.728	29.90	29.26	2	7	22
September ..	61.93	61.66	61.8	89	40	29.766	30.15	29.18	1	5	24
October. . .	48.968	49.486	49.227	75	30	29.657	30.02	29.20	6	8	17
November ..	45.966	46.5	46.233	68	30	29.629	29.95	29.25	5	5	20
December ...	29.16	28.55	28.855	55	3	29.683	30.24	29.27	5	10	16
Mean	48.105					29.726			88	77	250

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites
1	SUND.	<i>Palm Sunday.</i>	Venus in Ascen. node.	1 27 45	
2	Mond.	Battle of Copenhagen 1801.	Mercury gr. elong. west.	1 27 46	
3	Tuesd.	Bishop Heber died, 1826.	Venus in Aries.	1 27 46	
4	Wed.	Shakespeare born 1564.	Moon at Desc. node.	1 27 46	
5	Thur.	Stow died 1790.	Mars in Pisces.	1 27 47	
6	Friday	<i>Good Friday.</i>	Venus south 1.46 eve.	1 27 47	
7	Satur.	(6) Saxons in Britain 455.	Venus near Uranus.	1 27 47	
8	SUND.	<i>Easter Sunday.</i>	Moon farthest south.	1 27 48	
9	Mond.	(8) Hudson's Bay Co. estab. 1692.	Mars conj. sun.	1 27 48	
10	Tuesd.	Clergy Res. Bill p. II. of Com. 1853	Jupiter in Capricorn.	1 27 48	
11	Wed.	Coronation of Wm. & Mary 1689.	Moon near Jupiter.	1 27 48	
12	Thur.	Dr. Young died 1765.	Saturn in Taurus.	1 27 49	
13	Friday	Handel died 1758.	Moon in Perigee.	1 27 49	
14	Satur.	Peace with France 1814.	Moon on equator.	1 27 49	
15	SUND.	<i>Low Sunday.</i>	Venus South, 1.54 eve.	1 27 50	
16	Mond.	Battle of Culloden 1746.	Moon east of Mars.	1 27 50	
17	Tuesd.	Brook's Monument dest. 1840.	Moon at Ascen. node.	1 27 50	
18	Wed.	First newspaper in Amer. 1704.	Venus eclipsed by Moon.	1 27 51	
19	Thur.	Byron died 1824.	(Venus n'r 7 st.) ☽ & ♀	1 27 51	
20	Friday	Abernethy died 1831.	Sun enters aries.	1 27 51	
21	Satur.	Battle of Landshut 1809.	Moon farthest north.	1 27 51	
22	SUND.	Turkish monarchy founded 550.	Venus south 2.2 eve.	1 27 52	
23	Mond.	<i>St. George.</i>	Jupiter south 7.55 mo.	1 27 52	
24	Tuesd.	Earl of Cathcart Gov. Gen. 1846.	Mars in Aries.	1 27 52	
25	Wed.	Parliament Houses dest. 1849.	Moon in Apogee.	1 27 52	
26	Thur.	(25) Princess Alice born 1843.	♀ North of Aldebaran.	1 27 53	
27	Friday	Battle of York, U. C. 1813.	Jupiter south 7.42 mo.	1 27 53	
28	Satur.	Flight of Mahomet 622.	Moon on equator.	1 27 53	
29	SUND.	War with France 1803.	Venus south 2.10 eve.	1 27 54	
30	Mond.	St'r Ocean Wave dest. by fire 1853	Venus in Taurus.	1 27 54	

Ex. 19.—The base of a triangle is 52, the sum of the other two sides is 104, and the line drawn from the vertex to the middle of the base is $\sqrt{2029}$; required the other two sides.

Ex. 20.—The two sides of a triangle are 75 and 61, and the line falling from the vertex to the middle of the base is $\sqrt{3889}$; required the base.

Ex. 21.—The base of a triangle is 191, the line that bisects the verticle angle is 66, and diameter of the circumscribing circle is 200; required the other two sides.

Ex. 22.—The side of a square inscribed in a right angled triangle is 12, and the radius of its inscribed circle is 7; what are the sides of the triangle?

Ex. 23.—Required the radii of three equal circles tangent within a circle of 12 radius.

Second S

Moon's P

○ Full Moon
● Last Quarter
● New Moon
● First Quarter
☾ Perigee
☽ Apogee

Day	Mo.	Venus
1	...	1 4
7	...	1 4
13	...	1 5
19	...	1 5
25	...	2
28	...	2 1

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

PROB. 12.
height of 12
every fall i
just fell. H
distance wil
be consume