

AUGUST—XXXI. DAYS.

PHASES OF THE MOON.

	D. H. M.		D. H. M.
Full Moon	3 11 22 p.m.	New Moon	18 4 42 p.m.
Last Quarter	11 11 59 p.m.	First Quarter	25 0 17 p.m.
Apogee, 4d. 10h. a.m.		Perigee, 18d. 10h. a.m.	
		Apogee, 31d. 2h. p.m.	

DAYS.	REMARKABLE DAYS.	SUN'S AP- ARENT DE- CLINATION.	EQUATION OF TIME. ADD TO APPARENT TIME.	MOON'S AGE AT NOON.	MOON'S MERIDIAN PASSAGE. Mean Time.	MEAN TIME CORRECTED.			DAYS.
						Sun Rises.	Sun Sets.		
		° ' "	M. S.	H. M.	H. M.	H. M.	H. M.		
1	Sat	Slavery abolished, 1834	N 18 1 33	6 3-54	12 10 32p.m.	7 18 4 54			1
2	S	<i>Eighth Sunday after Trinity.</i>	17 46 25	5 59-36	13 11 19	7 17 4 55			2
3	M	General Pratt arrived at Taranaki,	17 30 50	5 55-08	14	7 16 4 57			3
4	T	Calais taken by Ed. III., 1347 [1860]	17 14 57	5 49-66	15 0 6a.m.	7 15 4 58			4
5	W	War dec. bet. Turkey and Russia, 1853	16 58 56	5 44-16	16 0 51	7 13 4 59			5
6	Th	Prince Alfred born, 1844	16 42 29	5 38-03	17 1 36	7 12 5 0			6
7	F	Queen Caroline died, 1821	16 25 48	5 30-86	18 2 19	7 10 5 1			7
8	Sat	Canning died, 1827	16 8 52	5 23-57	19 3 2	7 9 5 2			8
9	S	<i>Ninth Sunday after Trinity.</i>	15 51 36	5 15-27	20 3 45	7 8 5 3			9
10	M	Greenwich Observatory founded, 1675	15 34 16	5 6-92	21 4 30	7 6 5 4			10
11	T	Capture of Madrid, 1812	15 16 34	4 57-52	22 5 16	7 5 5 5			11
12	W	Bomarsund taken, 1854	14 58 37	4 48-09	23 6 5	7 3 5 6			12
13	Th	Battle of Blenheim, 1704	14 40 27	4 37-62	24 6 56	7 2 5 8			13
14	F	Lord Clyde died, 1868	14 22 2	4 27-13	25 7 53	7 0 5 9			14
15	Sat	Marshal Ney shot, 1815	14 3 21	4 15-62	26 8 51	6 59 5 10			15
16	S	<i>Tenth Sunday after Trinity.</i>	13 44 32	4 4-10	27 9 52	6 57 5 11			16
17	M	Siege and battle of Smolensko, 1812	13 25 26	3 52-03	28 10 53	6 55 5 12			17
18	T	Cardinal York died, 1807	13 6 5	3 39-0	0 11 53	6 54 5 13			18
19	W	Battle of Saragossa, 1710	12 46 40	3 25-48	1 0 51p.m.	6 52 5 14			19
20	Th	Hong Kong taken, 1839	12 26 53	3 11-92	2 1 47	6 51 5 15			20
21	F		12 6 57	2 57-43	3 2 41	6 49 5 16			21
22	Sat	Battle of Bosworth Field, 1485	11 46 54	2 42-96	4 3 32	6 48 5 18			22
23	S	<i>Eleventh Sunday after Trinity.</i>	11 26 39	2 27-53	5 4 23	6 46 5 19			23
24	M		11 6 9	2 12-17	6 5 13	6 45 5 20			24
25	T		10 45 32	1 55-88	7 6 2	6 43 5 21			25
26	W	Bomb. of Algiers by Lord Hood, 1816	10 24 42	1 39-63	8 6 51	6 42 5 22			26
27	Th	Battle of Long Island, 1766	10 3 42	1 22-57	9 7 41	6 40 5 23			27
28	F	Victoria Bridge (Ch.Ch.) opened, 1864	9 42 39	1 5-04	10 8 29	6 38 5 24			28
29	Sat	Battle of Aspromonte, 1862	9 21 14	0 47-63	11 9 17	6 37 5 26			29
30	S	<i>Twelfth Sunday after Trinity.</i>	8 59 48	0 29-43	12 10 3	6 35 5 27			30
31	M	John Bunyan died, 1688	8 38 2	0 10-89	13 10 50	6 34 5 28			31

PHENOMENA FOR THE MONTH.

AUGUST—3rd, 12h. 9m. p.m., Saturn stationary; 4th, 0h. 26m. a.m., Mercury greatest elongation 19 deg. 11 min. west; 4th, 8h. 36m. a.m., Jupiter stationary; 7th, 5h. 54m. p.m., Venus stationary; 9th, 3h. 55m. a.m., Jupiter in conjunction with the Moon—Jupiter 2 deg. 36 min. north; 10th, 9h. 27m. a.m., Mercury in ascending node; 14th, 11h. 19m. p.m., Mercury in Perihelion; 14th, 11h. 35m. p.m., Mars in conjunction with the Moon—Mars 4 deg. 38 min. north; 16th, 1h. 48m. a.m., Uranus in conjunction with the Moon—Uranus 3 deg. 49 min. north; 16th, 3h. 25m. a.m., Venus in conjunction with the Moon—Venus 2 deg. 49 min. south; 17th, 10h. 59m. p.m., Mercury in conjunction with the Moon—Mercury 2 deg. 29 min. north; 17th, Sun eclipsed, invisible (see eclipses); 18th, 12h. 17m. p.m., Venus greatest heliacal latitude south; 21st, Venus at greatest brilliancy; 22nd, 5h. 22m. p.m., Saturn in quadrature with the Sun; 25th, 6h. 1m. a.m., Saturn in conjunction with the Moon—Saturn 3 deg. 33 min. south; 25th, 7h. 10m. a.m., Mercury greatest heliocentric latitude north; 29th, 0h. 23m. a.m., Mercury in superior conjunction with the Sun.

FARMING OPERATIONS.

Finish bean and pea seeding. Sow oats, and if sown broadcast, with four to five bushels of seed per acre; if drilled, three bushels will be sufficient. In all cases the seed soil must be prepared with care. Spring wheat must be sown by this month. Barley sowing may be commenced, but it is essential to the success of the crop that the land should be previously well tilled, and that the land should work well when the grain is sown. Seed, if drilled, two-and-a-half to three bushels; if sown, three-and-a-half to four bushels per acre. Stop all gaps in field fences.

SEPTEMBER—XXX DAYS.

PHASES OF THE MOON.

	D. H. M.		D. H. M.
Full Moon	2 3 28 p.m.	New Moon	17 0 50 a.m.
Last Quarter	10 9 35 a.m.	First Quarter	24 2 52 p.m.
Perigee, 15d. 7h. p.m.		Apogee, 28d. midnight.	

DAYS.	REMARKABLE EVENTS.	SUN'S AP- ARENT DE- CLINATION.	EQUATION OF TIME ADD TO.	MOON'S AGE AT NOON.	MOON'S MERIDIAN PASSAGE. Mean Time.	MEAN TIME CORRECTED.			DAYS.
						Sun Rises.	Sun Sets.		
		° ' "	M. S.	H. M.	H. M.	H. M.	H. M.		
1	T	Liverpool Great Landing Stage opnd.,	N 8 16 31	-0 7-46	14 11 34p.m.	6 32 5 29			1
2	W	Great Fire of London, 1666 [1857]	7 54 41	0 26-59	15	6 30 5 30			2
3	Th	Peace with America, 1783	7 32 44	0 45-50	16 0 17a.m.	6 28 5 32			3
4	F	Gov. Browne arr. in Auckland, 1855	7 10 33	1 5-66	17 1 1	6 26 5 33			4
5	Sat	First American Congress, 1774	6 48 21	1 25-05	18 1 44	6 24 5 34			5
6	S	<i>Thirteenth Sunday after Trinity.</i>	6 25 58	1 45-13	19 2 29	6 23 5 35			6
7	M	Pioneer ships left Plymouth for Can-	6 3 33	2 5-4	20 3 14	6 22 5 36			7
8	T	Malakoff taken, 1855 [terbury 1850]	5 41 1	2 25-83	21 4 1	6 20 5 37			8
9	W	Battle of Flodden, 1513	5 18 23	2 45-95	22 4 51	6 18 5 38			9
10	Th	Battle of Belgrace, 1456	4 55 39	3 6-64	23 5 43	6 16 5 39			10
11	Fr	Battle of Brandywine, 1777	4 32 48	3 27-44	24 6 40	6 14 5 40			11
12	Sat	Blucher died, 1819	4 9 55	3 48-32	25 7 38	6 13 5 41			12
13	S	<i>Fourteenth Sunday after Trinity.</i>	3 46 59	4 9-27	26 8 36	6 11 5 42			13
14	M	Wellington died, 1853	3 23 55	4 30-27	27 9 35	6 9 5 43			14
15	T	Allies landed in Crimea, 1854	3 0 46	4 51-32	28 10 33	6 7 5 45			15
16	W	Louis XVIII. died, 1824	2 37 37	5 12-38	29 11 30	6 5 5 46			16
17	Th	Battle of Boxtel, 1794	2 14 24	5 33-45	0 0 24p.m.	6 3 5 47			17
18	F	George I. landed in England, 1714	1 51 8	5 54-51	1 1 19	6 1 5 48			18
19	Sat	Battle of Poitiers, 1356	1 27 50	6 15-55	2 2 11	6 0 5 49			19
20	S	<i>Fifteenth Sunday after Trinity.</i>	1 4 29	6 38-54	3 3 2	5 58 5 50			20
21	M	Sir Walter Scott died, 1832	0 41 7	6 57-46	4 3 53	5 56 5 51			21
22	T	Peace Congress at Brussels, 1848	N 0 17 45	7 18-30	5 4 45	5 54 5 52			22
23	W	Battle of Worcester, 1642	S 0 5 39	7 39-04	6 5 35	5 52 5 54			23
24	Th	Battle of Monterey, 1846	0 29 4	7 59-67	7 6 24	5 50 5 55			24
25	F	Battle of Zurich, 1799	0 51 29	8 20-17	8 7 13	5 49 5 56			25
26	Sat	Holy Alliance Treaty, 1815	1 15 53	8 40-50	9 7 59	5 48 5 57			26
27	S	<i>Sixteenth Sunday after Trinity.</i>	1 39 18	9 1-08	10 8 46	5 47 5 58			27
28	M	Battle of Busaco, 1810	2 2 41	9 21-01	11 9 31	5 46 5 59			28
29	T	St. Michael. Michaelmas Day.	2 26 5	9 40-73	12 10 15	5 44 6 0			29
30	W	Battle of Kars, 1855	2 49 26	10 0-40	13 10 58	5 42 6 1			30

PHENOMENA FOR THE MONTH.

SEPTEMBER—5th, 6h. 36m. a.m., Jupiter in conjunction with the Moon—Jupiter 2 deg. 22 min. north; 10th, 1h. 49m. a.m., Mars in conjunction with Uranus—Mars 0 deg. 17 min. north; 12th, 0h. 45m. p.m., Uranus in conjunction with the Moon—Uranus 3 deg. 42 min. north; 12th, 3h. 17m. p.m., Mars in conjunction with the Moon—Mars 3 deg. 53 min. north; 13th, 6h. 8m. p.m., Venus in conjunction with the Moon—Venus 1 deg. 11 min. south; 17th, 6h. 40m. p.m., Mercury in descending node; 18th, 1h. 25m. a.m., Mercury in conjunction with the Moon—Mercury 3 deg. 56 min. south; 21st, 5h. 8m. p.m., Saturn in conjunction with the Moon—Saturn, 3 deg. 32 min. south; 23rd, 6h. 3m. a.m., Sun enters Libra; 26th, 4h. 19m. p.m., Venus greatest elongation, 46 deg. 8 min. west; 27th, 10h. 56m. p.m., Mercury in Aphelion; 30th, 11h. 31m. a.m., Jupiter greatest heliocentric latitude north.

FARMING OPERATIONS.

Grass and clover seeds, when intended for rotation crops, should be sown in the last and present months on young wheat, and harrowed in with light harrows, and the land afterwards lightly rolled. Also, the grass, or seeds, should be sown on the lately cropped land, the land lightly rolled after the harrows have been over the barley seeded land; then the small seed sown, and the land lightly harrowed and rolled again. Red clover, ten to twelve pounds per acre, with three pounds of white; and if on uncertain lands, eight or ten pounds of rye grass per acre.