

OCTOBER—XXXI DAYS.

PHASES OF THE MOON.

	D. H. M.		D. H. M.
Full Moon	5 10 3 a.m.	New Moon	20 4 0 a.m.
Last Quarter	12 2 55 a.m.	First Quarter	28 3 21 a.m.
	Perigee, 4d. 5h. p.m.	Apogee, 19d. 6h. p.m.	

DAYS.	REMARKABLE DAYS.	SUN'S AP- ARENT DE- CLINATION.		EQUATION OF TIME.		MOON'S AGE AT NOON.	MOON'S MERIDIAN PASSAGE.		MEAN TIME CORRECTED.		DAYS.	
		°	'	M. S.	D.		H. M.	H. M.	H. M.	H. M.		
1	S	16th Sunday after Trinity	3	6	2	10	13.85	10	8.37 p.m.	5 44	6 1	1
2	M	Major André hanged, 1780 [1861	3	29	20	10	32.94	11	9.32	5 42	6 2	2
3	T	Sir G. Grey installed as Governor,	3	52	35	10	51.74	12	10.26	5 40	6 3	3
4	W	[1853	4	15	43	11	10.23	13	11.22	5 38	6 4	4
5	Th	The Sultan declared war with Russia,	4	38	57	11	28.37	14		5 36	6 5	5
6	F		5	2	3	11	46.14	15	0.19 a.m.	5 34	6 6	6
7	Sat	The British army entered France, 1813	5	25	6	12	3.52	16	1.16	5 32	6 7	7
8	S	17th Sunday after Trinity	5	48	5	12	20.49	17	2.15	5 30	6 8	8
9	M		6	10	59	12	37.02	18	3.14	5 28	6 9	9
10	T	Kaipoi Steeplechase, 1834	6	33	48	12	53.08	19	4.11	5 27	6 10	10
11	W	Battle of Camperdown, 1797	6	56	32	13	8.65	20	5. 7	5 25	6 12	11
12	Th	America discovered, 1492	7	19	10	13	23.73	21	6. 1	5 24	6 13	12
13	F	Napoleon landed at St. Helena, 1815	7	41	44	13	38.29	22	6.51	5 22	6 14	13
14	Sat	William Penn born, 1644	8	4	9	13	52.32	23	7.38	5 20	6 15	14
15	S	18th Sunday after Trinity.	8	26	29	14	5.79	24	8.24	5 18	6 16	15
16	M	Earthquake in Wellington, 1848	8	48	41	14	18.69	25	9. 7	5 16	6 18	16
17	T	Bombardment of Sebastopol com., '54	9	10	46	14	31.01	26	9.50	5 14	6 19	17
18	W	St. Luke Evan. Ridley & Latimer	9	32	44	14	42.73	27	10.53	5 13	6 20	18
19	Th	H. K. White died, 1806 [burnt, 1555	9	54	33	14	53.83	28	11.16	5 11	6 22	19
20	F	Battle of Navarino, 1827	10	16	13	15	4.31	0	11.58	5 9	6 23	20
21	Sat	Lord Nelson died, 1805	10	37	44	15	14.14	1	0.43 p.m.	5 8	6 24	21
22	S	19th Sunday after Trinity	10	59	6	15	23.37	2	1.29	5 7	6 25	22
23	M	First Parliament of Gt. Britan, 1707	11	20	18	15	31.89	3	2.17	5 5	6 27	23
24	T	Battle of Balaclava, 1854	11	41	19	15	39.67	4	3. 5	5 4	6 28	24
25	W	St. Petersburg University	12	2	10	15	46.81	5	3.55	5 3	6 29	25
26	Th	Royal Charter wrecked, 1859	12	22	50	15	53.25	6	4.45	5 2	6 30	26
27	F		12	43	18	15	58.90	7	5.36	5 0	6 31	27
28	Sat	St. Simon and St. Jude	13	3	35	16	4.00	8	6.26	4 58	6 32	28
29	S	20th Sunday after Trinity	13	23	38	16	8.29	9	7.19	4 56	6 34	29
30	M	Castle of Morea sur. to French, 1823	13	43	29	16	11.83	10	8.11	4 54	6 36	30
31	T	All Hallows eve	12	3	7	16	14.61	11	9. 5	4 53	6 37	31

PHENOMENA FOR THE MONTH.

OCTOBER—4th, 4h. 5m. p.m., Mercury at greatest heliocentric latitude north; 5th, Moon eclipsed, invisible in New Zealand; 10th, 6h. 20m. a.m., Neptune stationary; 11th, 2h. 24m., a.m., Neptune in conjunction with the Moon; 17th, 9h. 57m. a.m., Venus in conjunction with the Moon; 19th, 4h. 25m. a.m., Mars in conjunction with Saturn; 19th, 6h. 31m. p.m., Venus in Perihelion; 20th, eclipse of the Sun, invisible in New Zealand, partially visible in England; 20th, 1h. 23m. a.m., Mercury in conjunction with the Moon, 10th, 5h. 13m. p.m.; Saturn in conjunction with the Moon; 20th, 6h. 26m. p.m., Mars in conjunction with the Moon; 22nd, 1h. 42m. a.m., Mercury in superior conjunction with the Sun; 25th, 3h. 2m. a.m., Jupiter in conjunction with the Moon; 25th, 8h. 51m. a.m., Mercury in conjunction with Saturn; 27th, 0h. 48m. a.m., Saturn in conjunction with the Sun; 28th, 10h. 14m. p.m., Mercury in conjunction with Mars.

FARMING OPERATIONS.

Finish all seedings hitherto spoken of. Shut up fields intended to be mown for hay. Plough and carefully till, in dry weather, the lands intended for root and cabbage crops. If there be any manure in the stock yards, turn it up, that it may ferment, and destroy the seeds of weeds in it, and also that the ammonia be developed, ready to push forward the young root plants. For carrots, very deep and very fine tillage is necessary. Carrot seed requires much manipulation before sowing: mix with fine earth, and turn over and slightly moisten every day for three weeks; three to four lbs. per acre is sufficient.

NOVEMBER—XXX DAYS.

PHASES OF THE MOON.

	D. H. M.		D. H. M.
Full Moon	3 7 35 p.m.	New Moon	18 10 32 p.m.
Last Quarter	10 5 17 a.m.	First Quarter	26 2 31 p.m.
	Perigee, 3d. 5h. a.m.	Apogee, 15d. 11h. a.m.	

DAYS.	REMARKABLE DAYS.	SUN'S AP- ARENT DE- CLINATION.		EQUATION OF TIME.		MOON'S AGE AT NOON.	MOON'S MERIDIAN PASSAGE.		MEAN TIME CORRECTED.		DAYS.	
		°	'	M. S.	D.		H. M.	H. M.	H. M.	H. M.		
1	W	All Saints. Hawkes' Bay Anniversary	14	22	32	16	16.62	12	10 0p.m.	4 51	6 39	1
2	Th	Great Eastern launched, 1857	14	41	42	16	17.84	13	10 57	4 50	6 40	2
3	F	Siege of Acre, 1840	15	0	39	16	18.26	14	11 56	4 49	6 41	3
4	Sat	[Inkerman, 1854	15	19	21	16	17.82	15		4 48	6 43	4
5	S	21st Sunday after Trinity. Battle of	15	37	47	16	16.65	16	0 56 a.m.	4 47	6 44	5
6	M	Mahoeatahi pah taken, 1860	15	55	58	16	14.60	17	1 55	4 46	6 45	6
7	T	[taken, 1861	16	13	53	16	11.70	18	2 54	4 45	6 47	7
8	W	Milton died, 1674. Slidell and Mason	16	31	32	16	7.94	19	3 50	4 43	6 48	8
9	Th	Prince of Wales born, 1841	16	48	54	16	3.32	20	4 44	4 41	6 49	9
10	F	Martin Luther born, 1443	17	5	59	15	57.84	21	5 34	4 40	6 51	10
11	Sat		17	22	47	15	51.50	22	6 21	4 39	6 53	11
12	S	22nd Sunday after Trinity.	17	39	17	15	44.28	23	7 6	4 38	6 54	12
13	M	Rebels defeated at Dumblane, 1715	18	55	28	15	36.20	24	7 49	4 37	6 56	13
14	T	Governor Grey arrived, 1845	18	11	21	15	27.11	25	8 31	4 36	6 58	14
15	W	Gt. tempest and loss in the Black Sea,	18	26	55	15	17.31	26	9 14	4 35	7 0	15
16	Th	Insurrection in Rome, 1848 [1854	18	42	9	15	6.81	27	9 57	4 34	7 2	16
17	F		18	57	3	14	55.30	28	10 41	4 33	7 3	17
18	Sat	Duke of Wellington's funeral, 1853	19	11	37	14	42.94	29	11 27	4 32	7 5	18
19	S	23rd Sunday after Trinity	19	25	50	14	29.74	0	0 14p.m.	4 31	7 7	19
20	M	Peace and treaty of Paris, 1815	19	39	42	14	15.73	1	1 2	4 30	7 8	20
21	T	Princess Royal born, 1840	19	53	13	14	0.91	2	1 51	4 29	7 9	21
22	W	Gt. fire at Gravesend, 1846	20	6	22	13	45.30	3	2 42	4 28	7 10	22
23	Th	Sir John Franklin sailed, 1843	20	19	9	13	28.91	4	3 33	4 27	7 11	23
24	F		20	31	33	13	11.75	5	4 23	4 26	7 12	24
25	Sat	Havelock died, 1857	20	43	34	12	53.84	6	5 13	4 26	7 13	25
26	S	24th Sunday after Trinity	20	55	12	12	35.20	7	6 3	4 25	7 14	26
27	M	Pacific Ocean discovered, 1519	21	6	27	12	15.84	8	6 54	4 24	7 16	27
28	T	Ballarat riots, 1854	21	17	17	11	55.79	9	7 46	4 23	7 17	28
29	W	Times first print. by steam, 1814 [1782	21	27	44	11	35.05	10	8 40	4 23	7 18	29
30	Th	St. Andrew. Separation of America,	21	37	46	11	13.64	11	9 36	4 22	7 20	30

PHENOMENA FOR THE MONTH.

NOVEMBER—7th, 7h. 49m. a.m., Mercury in Aphelion; 7th, 9h. 38m. a.m., Neptune in conjunction with the Moon; 10th, 6h. 52m. p.m., Venus at greatest heliocentric latitude, north; 11th, 9h. 35m. a.m., Mars in conjunction with the Sun; 16th, 5h. 36m. p.m., Venus in conjunction with the Moon; 17th, 5h. 57m. a.m., Saturn in conjunction with the Moon; 18th, 6h. 23m. p.m., Mars in conjunction with the Moon; 20th, 7h. 41m. Mercury in conjunction with the Moon; 21st, 7h. 27m. p.m., Jupiter in conjunction with the Moon; 22nd, 6h. 28m. a.m., Venus in conjunction with Saturn; 27th, 5h. 38m. p.m., Mercury at greatest heliocentric latitude, south.

FARMING OPERATIONS.

Parsnips require about the same cultivation as carrots. Both these crops must be carefully hoed and weeded at least twice over. Care is required in the sowing to spread the seed evenly over the land. Mangel-Wurzel should be sown in the past or early in the present month. The best plan is to draw out furrows in the deeply and thoroughly tilled land, about twenty-seven inches apart from each other, with the double-breasted plough; spread manure in the furrows, close the earth over them with the plough, and dibble or drill in the seed, from three to four pounds per acre. Horse-hoeing between the ridges, and hand-hoeing and weeding on the ridges must be done to get a crop. Sow swede turnips and plant cabbages and potatoes.