PRINCIPAL ARTICLES OF THE CALENDAR, FOR THE YEAR 1865.

Golden Number	4	Dominical Letter	A
Epact	3	Roman Indiction	8
Solar Cycle	26	Julian Period	6578

FIXED AND MOVEABLE FESTIVALS, ANNIVERSARIES, &c., &c.

Epiphany	Jan. 6	*Ascension Day—Holy Thursday*	May 25
Septuagesima Sunday	Feb. 12	*Pentecost—Whit Sunday*	June 4
Quinquagesima—Shrove Sunday	„ 26	*Trinity Sunday*	„ 11
Ash Wednesday	Mar. 1	*Corpus Christi*	„ 15
St. David	„ 1	Accession of Queen Victoria	„ 20
Quadragesima—1st Sunday in Lent	„ 5	Proclamation	„ 21
St. Patrick	„ 17	St. John the Bapt.—Midsummer Day	„ 24
Annunciation—Lady Day	„ 25	Birth of Prince Consort	Aug. 26
Palm Sunday	April 9	St. Michael—Michaelmas Day	Sept. 29
Good Friday	„ 14	Birth of Prince of Wales	Nov. 9
EASTER SUNDAY	„ 16	St. Andrew	„ 30
Low Sunday	„ 23	*1st Sunday in Advent*	Dec. 3
St. George	„ 23	St. Thomas	„ 21
Rogation Sunday	May 21	Christmas Day	„ 25
Birth of Queen Victoria	„ 24		

The year 5626 of the Jewish Era commences on September 21, 1865.

Ramadân (Month of Abstinence observed by the Turks) commences on January 28, 1865.

The year 1282 of the Mahomedan Era commences on May 27, 1865.

MEMORANDA.

All the articles of the Ephemeris have been reduced from the "Nautical Almanac" for 1865 to the Meridian of Lyttelton.

The time given is in every case *Civil Time:* twelve hours before noon and twelve hours after noon constituting the day.

The Phases of the Moon are calculated to the nearest minute of *mean* time.

The Sun's Declination is the angular distance of the sun from the equator, north or south, as indicated at *apparent* noon on each day.

The column of Equation of Time shows the minutes and seconds of difference between apparent and mean time on each day. When the sign + is prefixed, this difference must be added to apparent time to find mean time, and subtracted from mean time to find apparent time. When the sign − is prefixed the converse operations respectively are necessary.

The Moon's Meridian Passage and Sunrise and Sunset are given in mean time, being the time which ought to be shown by the clock at each occurrence. The apparent time of these phenomena will be discovered by applying the column of Equation of Time as above indicated.

The Custom-house, Lyttelton, to which all calculations are referred herein, stands as follows:—

Longitude, 170° 44′ 17″ E.; latitude, 43° 36′ 42″ S.

JANUARY—XXXI DAYS.

Phases of the Moon.

	D.	H.	M.			D.	H.	M.	
First Quarter	5	3	15	a.m.	Last Quarter	20	2	9	p.m.
Full Moon	12	10	32	a.m.	New Moon	27	9	2	p.m.

Apogee, 17d. 6h. p.m. Perigee, 29d. 3h. p.m.

DATE.		REMARKABLE DAYS.	SUN'S APPARENT DECLINATION.	EQUATION OF TIME. ADD TO APPARENT TIME.	MOON'S AGE AT NOON.	MOON'S MERIDIAN PASSAGE. Mean Time.	MEAN TIME CORRECTED Sun Rises.	MEAN TIME CORRECTED Sun Sets.	DAYS.
			° ′ ″	M. S.	D.	H. M.	H.M.	H.M.	
1	S	*Circumcision.* New Year's day.	s23 2 37	3 59.38	3	2 55 p.m.	4 31	7 37	1
2	M	Calcutta taken, 1757	22 56 22	4 13.79	4	3 48	4 32	7 37	2
3	T	Rachel died, 1858	22 50 47	4 41.78	5	4 40	4 32	7 37	3
4	W		22 44 45	5 9.34	6	5 32	4 33	7 37	4
5	Th	Duke of York died, 1827	22 38 15	5 31.47	7	6 23	4 33	7 37	5
6	F	*Epiphany.* Twelfth day	22 31 19	6 3.15	8	7 16	4 34	7 36	6
7	Sat	Cape of Good Hope taken, 1806	22 23 57	6 29.34	9	8 9	4 35	7 36	7
8	S	*First Sunday after Epiphany*	22 16 7	6 55.02	10	9 3	4 36	7 36	8
9	M	Royal Exchange burnt, 1838	22 7 52	7 20.16	11	9 57	4 37	7 36	9
10	T	Penny postage established, 1840	21 59 21	7 44.45	12	10 50	4 38	7 36	10
11	W	Hilary Law Term begins	21 50 4	8 8.76	13	11 42	4 39	7 35	11
12	Th	Chinese treaty published, 1861	21 40 31	8 32.17	14	———	4 40	7 35	12
13	F		21 30 33	8 54.91	15	0 31 a.m.	4 41	7 35	13
14	Sat	First convicts at Botany Bay, 1788	21 20 10	9 17.11	16	1 19	4 42	7 35	14
15	S	*Second Sunday after Epiphany*	21 9 23	9 38.61	17	2 4	4 43	7 35	15
16	M	Battle of Corunna, 1809	20 58 12	9 59.45	18	2 47	4 44	7 34	16
17	T		20 46 36	10 19.60	19	3 30	4 45	7 34	17
18	W	Earthquake at Sydney, 1800	20 34 36	10 39.06	20	4 12	4 46	7 33	18
19	Th	James Watt born, 1736	20 22 13	10 57.81	21	4 54	4 48	7 33	19
20	F	John Howard died, 1790	20 9 27	11 15.85	22	5 37	4 49	7 32	20
21	Sat	Vaccination introduced, 1799	19 56 19	11 33.15	23	6 23	4 50	7 32	21
22	S	*Third Sunday after Epiphany.*	19 42 43	11 49.71	24	7 11	4 51	7 31	22
23	M	Wellington anniversary	19 28 55	12 5.51	25	8 3	4 53	7 31	23
24	T	Duke of Kent died, 1820	19 14 40	12 20.54	26	8 55	4 54	7 30	24
25	W	Princess Royal married, 1858	19 0 4	12 34.79	27	9 51	4 55	7 29	25
26	Th	N. S. Wales founded, 1788	18 46 7	12 48.25	28	10 48	4 57	7 28	26
27	F	Governor Hobson arvd N. Z., 1840.	18 28 50	13 0.90	29	11 45	4 59	7 28	27
28	Sat	Auckland anniversary	18 14 13	13 12.75	0	0 42 p.m.	5 1	7 27	28
29	S	*Fourth Sunday after Epiphany*	17 58 16	13 23.78	1	1 38	5 3	7 26	29
30	M	King Charles I. beheaded	17 12 0	13 33.97	2	2 34	5 5	7 25	30
31	T	Hilary Term ends.	s17 25 25	13 43.32	3	3 26	5 7	7 24	31

PHENOMENA FOR THE MONTH.

JANUARY 1.—At 11h. 32m. p.m., Sun in perigee; on the 2nd at 10h. 21m. p.m., Mercury in perihelion; on the 6th, at 0h. 20m. a.m., Mars stationary; on the 8th at 0h. 16m. p.m., Mars in conjunction with the Moon; on the 10th, at 11h. 16m. a.m., Uranus in conjunction with the Moon; on the 13th, at 5h. 51m. p.m., Mercury at greatest heliocentric latitude N.; on the 19th, at 7h. 35m. p.m., Mercury stationary; on the 20th, at 11h. 37m. a.m., Saturn in quadrature with the Sun; same day, at 7h. 6m. p.m., Saturn in conjunction with the Moon; on the 24th, at 0h. 31m. p.m., Jupiter in conjunction with the Moon; on the 31st, at 6h. 59m. a.m., Venus in conjunction with the Moon; same day, at 10h. 21m. p.m., Mercury at greatest elongation.

FARMING OPERATIONS.

Finish haymaking and stacking; hoe and mould up potatoes; finish hoeing and thinning all the root crops. Be careful that all furrows and drains are open, that the root-covered land may be quickly relieved of any water that may fall; dry, well-cultivated lands do not suffer from drought so much as those which have been previously water sodden. Keep the plough going in breaking up unimproved lands.