

FEBRUARY—XXVIII DAYS.

PHASES OF THE MOON.

| | | | |
|-----------------------|--------------|-------------------------|--------------|
| | D. H. M. | | D. H. M. |
| First Quarter | 3 0 41 p.m. | Last Quarter | 19 9 10 a.m. |
| Full Moon | 11 3 59 a.m. | New Moon | 26 7 35 a.m. |
| Apogee, 14d. 9h. a.m. | | Perigee, 26d. 11h. p.m. | |

| DAYS. | REMARKABLE DAYS. | SUN'S AP- PARENT 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. | |
| 1 | W | Nelson anniversary | s17 | 8 32 | 13 | 51.83 | 4 | 4 19 p.m. | 5 8 | 7 22 | 1 |
| 2 | Th | Candlemas | 16 | 51 21 | 13 | 59.50 | 5 | 5 13 | 5 10 | 7 21 | 2 |
| 3 | F | Opening of Calcutta railway | 16 | 33 52 | 14 | 6.33 | 6 | 6 6 | 5 11 | 7 20 | 3 |
| 4 | Sat | Swan river discovered | 16 | 17 36 | 14 | 12.32 | 7 | 7 0 | 5 12 | 7 19 | 4 |
| 5 | S | Fifth Sunday after Epiphany | 15 | 58 3 | 14 | 17.48 | 8 | 7 53 | 5 14 | 7 17 | 5 |
| 6 | M | Treaty of Waitangi, 1840. | 15 | 39 44 | 14 | 21.81 | 9 | 8 46 | 5 16 | 7 16 | 6 |
| 7 | T | All Eng. Eleven ar. in Ch. Ch. 1864 | 15 | 21 9 | 14 | 25.32 | 10 | 9 37 | 5 18 | 7 14 | 7 |
| 8 | W | Mary Queen of Scots ex., 1587 | 15 | 2 18 | 14 | 28.01 | 11 | 10 27 | 5 19 | 7 12 | 8 |
| 9 | Th | | 14 | 43 12 | 14 | 29.89 | 12 | 11 12 | 5 20 | 7 11 | 9 |
| 10 | F | Queen Victoria married, 1840 | 14 | 23 52 | 14 | 30.63 | 13 | | 5 21 | 7 10 | 10 |
| 11 | Sat | General Washington born, 1736 | 14 | 4 17 | 14 | 31.28 | 14 | 0 1 a.m. | 5 23 | 7 9 | 11 |
| 12 | S | Septuagesima Sunday | 13 | 44 29 | 14 | 39.81 | 15 | 0 44 | 5 24 | 7 7 | 12 |
| 13 | M | Duke of Berry murdered, 1820 | 13 | 24 21 | 14 | 29.58 | 16 | 1 27 | 5 26 | 7 6 | 13 |
| 14 | T | Valentine's day. Captain Cook [killed, 1779] | 13 | 4 11 | 14 | 27.60 | 17 | 2 9 | 5 27 | 7 4 | 14 |
| 15 | W | | 12 | 43 43 | 14 | 24.90 | 18 | 2 51 | 5 28 | 7 3 | 15 |
| 16 | Th | Colony of Tasmania establd., 1804 | 12 | 23 2 | 14 | 21.48 | 19 | 3 34 | 5 29 | 7 1 | 16 |
| 17 | F | Ghent treaty ratified, 1815 | 12 | 2 10 | 14 | 17.35 | 20 | 4 18 | 5 30 | 6 59 | 17 |
| 18 | Sat | Luther died, 1546. First col. with Sexagesima Sunday. [Sepoys, 1857] | 11 | 41 6 | 14 | 12.53 | 21 | 5 4 | 5 32 | 6 58 | 18 |
| 19 | S | Surveyors obstructed at Taranaki, | 11 | 19 51 | 14 | 7.05 | 22 | 5 52 | 5 33 | 6 57 | 19 |
| 20 | M | Victory of Goojir, 1849. [1860] | 10 | 58 25 | 14 | 0.90 | 23 | 6 43 | 5 35 | 6 56 | 20 |
| 21 | T | Mar. law proc., at Taranaki, 1860 | 10 | 36 49 | 13 | 54.12 | 24 | 7 36 | 5 37 | 6 54 | 21 |
| 22 | W | | 10 | 15 3 | 13 | 46.71 | 25 | 8 31 | 5 38 | 6 53 | 22 |
| 23 | Th | Cato st. conspirators arrested, 1820 | 9 | 53 8 | 13 | 38.68 | 26 | 9 27 | 5 40 | 6 52 | 23 |
| 24 | F | Peace with the Burmese, 1826 | 9 | 31 3 | 13 | 30.05 | 27 | 10 24 | 5 41 | 6 50 | 24 |
| 25 | Sat | Treaty of Vienna, 1815 | 9 | 8 50 | 13 | 20.83 | 28 | 11 20 | 5 42 | 6 49 | 25 |
| 26 | S | Shrove Sunday. Buonaparte escpd. [from Elba, 1815] | 8 | 46 29 | 13 | 11.02 | 0 | 0 16 p.m. | 5 43 | 6 48 | 26 |
| 27 | M | | 8 | 24 1 | 13 | 0.65 | 1 | 1 12 | 5 45 | 6 46 | 27 |
| 28 | T | First Sup. Court op. in Auck. 1842 | s8 | 1 25 | 12 | 49.71 | 2 | 2 8 | 5 46 | 6 45 | 28 |

PHENOMENA FOR THE MONTH.

FEBRUARY 5th—2h. 46m. a.m., Mars in conjunction with the Moon; 6th, 5h. 32m. p.m., Uranus in conjunction with the Moon; 9th, 4h. 8m. a.m., Saturn stationary; 10th, 10h. 0m. a.m., Mercury in Aphelion; 16th, 11h. 48m. p.m., Saturn in conjunction with the Moon; 21st, 6h. 43m. a.m., Jupiter in conjunction with the Moon; 25th, 6h. 42m. a.m., Mercury in conjunction with the moon; 25th, 5h. 32m. p.m., Venus at greatest elongation.

FARMING OPERATIONS.

Having everything in good order, ready for the work of harvest. Carts, harness, forks, materials for stack bottoms, some wheat straw ready to cover up stacks in rainy weather, if you have no cloths. Harvest time is not the opulent farmer's threshing time. Cut wheat for every purpose before it is dead ripe, also oats and peas; but barley requires to stand till fully ripe, if the best malt is to be produced. Beans must be taken up early as respects ripeness. Be careful in preserving the stacks of all kinds from injury by weather; build them neatly and thatch them well.

MARCH—XXXI DAYS.

PHASES OF THE MOON.

| | | | |
|-----------------------|---------------|-------------------------|-------------|
| | D. H. M. | | D. H. M. |
| First Quarter | 4 11 51 p.m. | Last Quarter | 21 0 8 a.m. |
| Full Moon | 12 10 14 p.m. | New Moon | 27 6 0 p.m. |
| Apogee, 13d. 2h. p.m. | | Perigee, 27d. 0h. noon. | |

| DAYS. | REMARKABLE DAYS. | SUN'S AP- PARENT 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. | |
| 1 | W | St. David's. Ash Wednesday | s7 | 38 42 | 12 | 38.24 | 3 | 3. 3. p.m. | 5 47 | 6 44 | 1 |
| 2 | Th | Emperor Nicholas died, 1855 | 7 | 15 22 | 12 | 26.24 | 4 | 3 58 | 5 48 | 6 43 | 2 |
| 3 | F | Dth. of the Young Pretender at Rome | 6 | 52 57 | 12 | 13.73 | 5 | 4 54 | 5 49 | 6 41 | 3 |
| 4 | Sat | Britannia bridge op. 1850 [1788] | 6 | 29 56 | 12 | 0.74 | 6 | 5 49 | 5 50 | 6 39 | 4 |
| 5 | S | First Sunday in Lent | 5 | 46 49 | 11 | 47.26 | 7 | 6 43 | 5 52 | 6 37 | 5 |
| 6 | M | Com. of Taranaki war, 1860 | 5 | 23 27 | 11 | 33.83 | 8 | 7 35 | 5 53 | 6 35 | 6 |
| 7 | T | War dec. by France agst. Spain, 1793 | 5 | 20 21 | 11 | 18.97 | 9 | 8 25 | 5 54 | 6 33 | 7 |
| 8 | W | | 4 | 57 1 | 11 | 3.79 | 10 | 9 12 | 5 56 | 6 31 | 8 |
| 9 | Th | Treaty of Lahore signed, 1846 | 4 | 33 37 | 10 | 49.01 | 11 | 9 58 | 5 57 | 6 29 | 9 |
| 10 | F | Gen. M'Lellan crossed the Potomac, | 4 | 10 9 | 10 | 33.46 | 12 | 10 42 | 5 58 | 6 27 | 10 |
| 11 | Sat | Kororarika destroyed, 1845 [1862] | 3 | 46 34 | 10 | 17.57 | 13 | 11 25 | 5 59 | 6 25 | 11 |
| 12 | S | Second Sunday in Lent | 3 | 23 6 | 10 | 0.85 | 14 | | 6 0 | 6 23 | 12 |
| 13 | M | Burnside's expedition sailed, 1862 | 2 | 59 3 | 9 | 44.82 | 15 | 0 7 a.m. | 6 1 | 6 22 | 13 |
| 14 | T | Treaty of the alliance of England, [France and Turkey signed, 1854] | 2 | 35 54 | 9 | 28.01 | 16 | 0 49 | 6 2 | 6 20 | 14 |
| 15 | W | | 2 | 12 15 | 9 | 10.95 | 17 | 1 32 | 6 3 | 6 18 | 15 |
| 16 | Th | Treaty of alliance at Vienna signed | 1 | 48 39 | 8 | 53.66 | 18 | 2 5 | 6 4 | 6 16 | 16 |
| 17 | F | St. Patrick's day [1731] | 1 | 24 53 | 8 | 36.17 | 19 | 3 0 | 6 5 | 6 15 | 17 |
| 18 | Sat | Princess Louisa born, 1848 | 1 | 1 11 | 8 | 18.49 | 20 | 3 47 | 6 7 | 6 13 | 18 |
| 19 | S | Third Sunday in Lent | 0 | 37 29 | 8 | 0.65 | 21 | 4 36 | 6 8 | 6 11 | 19 |
| 20 | M | Duc D'Enghien shot, 1804 | s0 | 13 47 | 7 | 42.68 | 22 | 5 27 | 6 9 | 6 9 | 20 |
| 21 | T | Southey died, 1843 | n0 | 9 54 | 7 | 24.60 | 23 | 6 20 | 6 10 | 6 8 | 21 |
| 22 | W | | 0 | 33 35 | 7 | 6.91 | 24 | 7 13 | 6 11 | 6 6 | 22 |
| 23 | Th | Anniversary of Otago [France] | 0 | 57 14 | 6 | 48.15 | 25 | 8 8 | 6 13 | 6 4 | 23 |
| 24 | F | Tr. for annex. of Savoy and Nice to Annunciata. Lady day [signed, 1860] | 1 | 21 52 | 6 | 29.82 | 26 | 9 3 | 6 15 | 6 2 | 24 |
| 25 | Sat | | 1 | 44 27 | 6 | 11.44 | 27 | 9 58 | 6 16 | 6 0 | 25 |
| 26 | S | Fourth Sunday in Lent. | 2 | 8 1 | 5 | 53.05 | 28 | 10 53 | 6 17 | 5 58 | 26 |
| 27 | M | Ford, Passmore and Shaw murd. at | 2 | 31 31 | 5 | 34.64 | 29 | 11 49 | 6 18 | 5 56 | 27 |
| 28 | T | War d. with Russia, 1854 [Tki, 1860] | 2 | 44 59 | 5 | 16.24 | 0 | 0 46 p.m. | 6 19 | 5 54 | 28 |
| 29 | W | Olympic theatre des. by fire, 1849 | 3 | 19 53 | 4 | 57.87 | 1 | 1 43 | 6 20 | 5 52 | 29 |
| 30 | Th | | 3 | 41 43 | 4 | 39.53 | 2 | 2 41 | 6 21 | 5 51 | 30 |
| 31 | F | Anniversary of Taranaki & Southland | n4 | 4 59 | 4 | 21.24 | 3 | 3 38 | 6 23 | 5 49 | 31 |

PHENOMENA FOR THE MONTH.

MARCH 1st—1h. 34m. p.m., Venus in conjunction with the Moon; 3rd, 11h. 32m. a.m., Uranus stationary; 5th, 6h. 43m. a.m., Mars in conjunction with the Moon; 5th, 8h. 5m. p.m., Uranus in conjunction with the Moon; 8th, 7h. 49m. p.m., Mercury at greatest heliocentric latitude South; 9th, 0h. 4m. a.m., Venus in Perihelion; 10th, 7h. 20m. p.m., Mars in quadrature with the Sun; 16th, 4h. 6m. a.m., Saturn in conjunction with the Moon; 16th, 1h. 40m. p.m., Uranus in quadrature with the Sun; 18th, 7h. 8m. p.m., Mercury in sup. conjunction with the Sun; 18th, 8h. 35m. Jupiter in quadrature with the Sun; 20th, 8h. 24m. Jupiter in conjunction with the Moon; 21st, 1h. 38m. a.m. Sun enters Aries; 23rd, 1h. 54m. a.m.; Mars in conjunction with Uranus; 28th, 10h. 23m. a.m.; Mercury in conjunction with the Moon; 30th, 11h. 56m. a.m., Venus in conjunction with the Moon; 31st, 2h. 14m. a.m., Venus at greatest heliocentric latitude north.

FARMING OPERATIONS.

Sow tares (vetches)—the winter variety, for it always produces half as much again as the spring seed—two-and-a-half bushels of tares and half a bushel of wheat or oats per acre. If land is to be laid down for permanent pasture, be careful that it has been thoroughly tilled, and has a fine tilth earth to receive the seed. For seed, about a bushel of perennial rye-grass, three or four pounds of white clover, and one or two pounds of cow-grass will produce a plant for a year or two; but for permanence and the fully planting of the land several varieties of the true grasses will be required, comprising some of the pois, fescues, &c., &c.