

THE  
CONFEDERATE STATES  
**ALMANAC**

FOR THE YEAR OF OUR LORD

**1865**

BEING THE FIRST AFTER BISSEXTILE OR LEAP YEAR,  
AND THE FIFTH OF THE INDEPENDENCE OF  
THE CONFEDERATE STATES.

CALCULATED FOR THE  
LATITUDE AND MERIDIAN OF MACON, GA.  
LAT.  $32^{\circ}-50'$  N., LON.  $83^{\circ}-45'$  W., AND WILL SERVE FOR  
THE ADJACENT STATES.

---

ASTRONOMICAL CALCULATIONS  
MADE BY  
**T. P. ASHMORE, - AMERICUS, GA.**

---

**BURKE, BOYKIN & COMPANY:**  
**MACON, GA.**

## EQUINOXES AND SOLSTICES.

Vernal Equinox, (Spring begins,) . . .	March 21st.
Summer Solstice, (Summer begins,) . . .	June 21st.
Autumnal Equinox, (Autumn begins,) . . .	Sept. 23d.
Winter Solstice, (Winter begins,) . . .	Dec. 21st.

## MOVABLE FEASTS OF THE CHURCH.

Septuagesima Sunday, ... Feb. 12	Low Sunday, ..... April 23.
Sexagesima Sunday, ..... Feb. 19	Rogation Sunday, . . . . May 21
Ash Wednesday, ..... March 1	Rogation Monday, . . . . May 22
First Sunday in Lent, ... March 5	Ascension Day, ... . May 25
Palm Sunday, ..... April 9	Whit Sunday, ... . June 4
Good Friday, ..... April 14	Trinity Sunday, ..... June 11
Easter Sunday, ..... April 16	Advent Sunday, ..... Dec. 3

## CHRONOLOGICAL CYCLES.

Dominical Letter, ..... A.	Solar Cycle, ..... 26
Epact, (Moon's Age,) Jan. 1, . 3	Roman Indiction, .... 8
Golden Number, ..... 4	Julian Period, ..... 6578

## NAMES AND CHARACTERS

Of the Signs of the Zodiac, and the parts of the body that they are supposed to govern:—

♈	Aries, the Ram, governs the Head and face.
♉	Taurus, the Bull, governs the Neck.
♊	Gemini, the Twins, govern the Arms.
♋	Cancer, the Crab, governs the Breast.
♌	Leo, the Lion, governs the Heart.
♍	Virgo, the Virgin, governs the Bowels.
♎	Libra, the Balance, governs the Reins.
♏	Scorpio, the Scorpion, governs the Secrets.
♐	Sagittarius, the Archer, governs the Thighs.
♑	Capricornus, the Goat, governs the Knees.
♒	Aquarius, the Waterman, governs the Legs.
♓	Pisces, the Fishes, govern the Feet.

TO KNOW WHERE THE SIGN IS.—First find the day of the month, and against it, in the column that shows the moon's place, you will find the sign that shows the part of the body supposed to be governed.

### EXPLANATION OF CHARACTERS USED IN THIS ALMANAC.

☉ Sun; ☾ Moon; ⊕ Earth; ☿ Mercury; ♀ Venus; ♂ Mars; ♃ Jupiter; ♄ Saturn; ♁ Herschel; ♀ Dragon's Head, Ascending Node; ♂ Dragon's Tail, Descending Node; ☿ Conjunction; ♄ Opposition; Apogee, at the greatest distance from the Earth; Perigee, at the least distance from the Earth; ♁ Quartile 90 degrees apart; △ Trine 120 degrees apart.

### ASPECTS OF THE PLANETS.

VENUS will be Evening Star till the 10th of May; then Morning Star till the expiration of the year. She will shine with her greatest splendor on the 4th of April, and on the 15th of June. Her greatest angular distance from the Sun, will be on the 2d of March, and on the 18th of July.

MARS will be a very conspicuous object in the heavens during the months of January and February. He will be easily distinguished by his red color.

JUPITER will pass through opposition with the Sun, on the 13th of June, when he will shine with his greatest splendor, and will be nearest to us.

SATURN will pass through opposition with the Sun, on the 18th of April, when he will be brightest.

HERSCHEL will pass through opposition with the Sun, about the middle of December; but even then, he cannot be seen with the naked eye, though he will be at his least distance from the Earth.

At each conjunction of the Moon with the planet Jupiter, during this year, she will pass to the north of him; but at each of her conjunctions with the Planet Saturn, she will pass to the south of the latter Planet.

The last conjunction of Jupiter and Saturn took place on the 25th of October, 1861; their next conjunction will be about the middle of the year 1881. From one of their conjunctions to another, about 19 years and 9 months elapse. They come to a conjunction, in the same place of the Ecliptic, only once in 800 years. Such Astronomical data as the grand conjunctions of Jupiter and Saturn, afford to Chronologers an excellent means of finding the exact dates of remarkable events that have taken place in past ages.

### SOLAR AND LUNAR ECLIPSES FOR 1865.

During this year, four Eclipses will take place. The first will be of the Moon, on the 10th day of April, visible throughout the Confederate States, and which is calculated to Apparent Time as follows:

Beginning of Eclipse at Macon, Ga.,....	10h.	8m.	P. M.
Ecliptic Opposition,.....	10	52	"
Middle of Eclipse,.....	11	2	"
End of Eclipse,.....	11	56	"
Duration of Eclipse.....	1	48	

Digits eclipsed  $2\frac{1}{2}$ , on the Moon's North limb.

The second will be of the Sun, on the 25th day of April, at 8h. 38m. A. M., invisible in the Confederate States. This Eclipse will be visible in South America, and in the South Atlantic Ocean.

The third will be of the Moon on the 4th day of October, partially visible at Macon, and it is calculated to Apparent Time as follows:

The Moon will rise at Macon, Ga., at 5h. 48m. P. M., with  $2\frac{1}{2}$  digits eclipsed on her S. W. limb. End of Eclipse,—6h. 17m. P. M. Duration of Visibility,—0h. 29m.

The fourth will be a great and singular Eclipse of the Sun, on the 19th day of October, visible throughout North America. It will be annular and central in the Confederate States; it will be annular at Macon, Ga.; and it is calculated very carefully, for that place, to apparent time, as follows:

Beginning of Eclipse at Macon, Ga., Oct., 19d.	8h.	7m.	57s.	A. M.
Beginning of Annular Eclipse,.....19	9	33	11	"
Greatest Obscuration,.....19	9	39	53	"
End of Annular Eclipse,.....19	9	41	30	"
End of the Eclipse,.....19	11	25	14	"
Ecliptical New Moon,.....19	11	3	0	"
Duration of Annular Eclipse,....19	0	8	19	"
Whole Duration of Eclipse.....19	3	17	17	"

Digits eclipsed 11  $\frac{1}{2}$ —25, on the Sun's North limb.

In many respects, this will be the most remarkable of all Eclipses that will occur in the Confederate States during the present century. It will be annular; that is, the apparent disk of the Moon will not be large enough to conceal the entire disk of the Sun. Therefore, at all places where the Eclipse will be annular, the border or edge of the Sun's disk will be seen all around the dark body of the Moon; and it will resemble a red-hot ring of iron.

At the greatest obscuration, several Planets and fixed Stars will be visible, if the sky be very clear. Venus will be seen to the west of the Sun, and Jupiter will be seen east of him. Sirius, or the bright Dog Star, will be seen near the western horizon; and all other stars of the first magnitude, that are then above the horizon, will be visible to good eyes, if the air be very serene.

Not many persons have had an opportunity of seeing the Sun annularly eclipsed, and still a much less number of them have seen him totally eclipsed; therefore, we advise all persons who may then be living, and able to witness this grand Phenomenon of Nature, not to

neglect this important opportunity, for it is very probable that all who see it will never see a similar one, while they inhabit this terrestrial abode.

The central Eclipse will be seen first at Olympia, in Washington Territory, a little north of the mouth of the Columbia River; and it will be seen last at Timbuctoo, in Africa.

The centre of this Eclipse will pass about 210 miles north of Columbus, Ga., about 150 miles north of Macon, Ga., and about 70 miles north of Augusta, Ga.

It will be annular at Nashville, Tenn., Columbus, Ga., Atlanta, Ga., Macon, Ga., Milledgeville, Ga., Augusta, Ga., and Charleston, S. C. It will be central at Columbia, S. C.

**NOTE.**—The Calculations of this Almanac are made to *Solar or Apparent Time*. A Table of the Equation of Time is inserted at the top of each Calendar Page, for the convenience of those who may wish to keep the *Mean Time*. In this Table, the Equation of Time is given for every four days in the year. When the Mean Time is wanted, the Equation of Time, taken from the Table, must be added to the Apparent Time, when the Sun is *slow*, but it must be subtracted from Apparent Time, when he is *fast*, in order to obtain it.

**To Calculate Interest.**—A short and simple method of calculating interest at six per cent. per annum.

**RULE.**—Multiply the principal by half the number of months, and the result will be the required answer in cents. For example, what is the interest on forty dollars for twelve months?

\$40 the principal.

6 half the number of months.

---

\$2.40 answer.

When the interest is to be calculated for any number of days, multiply the principal by the number of days, and divide the product by 6; this will give the interest in mills. Strike off the right hand figure, and you have the correct answer in cents. Required, the interest on \$1250 for 80 days.

1250 dollars.

80 days.

---

Divide by 6)100000

Interest at 6 per cent. for 80 days, \$16.66(7.

If 7 per cent. is required, find one-sixth of the interest and add it to the interest; if 5 per cent., deduct one-sixth from it.

When the amount to be multiplied has a fraction, it is usual to drop it if under 50 cents, or count it another dollar if over.

Each whole month should be reckoned as 30 days.

# THE CHILDREN'S GUIDE:

A  
MONTHLY PAPER FOR BOYS AND GIRLS,  
PUBLISHED IN MACON, GA.


This Paper has already attained a very large circulation, and has become a

**GREAT FAVORITE WITH THE LITTLE ONES.**

It is handsomely illustrated and beautifully printed. The terms are as follows:

For a Single Copy, six months,.....\$1 00

For 10 Copies or more, to one address, at the rate of..... 80

 Remit in Confederate bills, or good State change bills.

Address

**J. W. BURKE, Publisher.**

# THE CHRISTIAN INDEX,

PUBLISHED WEEKLY BY

**SAMUEL BOYKIN, Macon, Ga.**

A BAPTIST FAMILY RELIGIOUS PAPER,

Devoted to moral and religious culture, *an aid to the Pastor, a guide to the Christian, and a friend to the Sinner.* It contains a weekly summary of secular news, has interesting correspondents, and endeavors to cull for its readers all matters of religious and denominational interest.

**TERMS:—\$20 PER ANNUM, ALWAYS IN ADVANCE.**

# THE CHILD'S INDEX,

PUBLISHED MONTHLY, IN MACON, GA.,

Is handsomely printed on fine paper and illustrated, at the following low rates:—

Single Copy, six months,.....\$2 00

Single Copy, one year,..... 3 00

Five Copies or more, to one address, for 1 year at the rate of. 2 00

Address

**S. BOYKIN, Editor.**

1st Month.]

JANUARY.

[31 Days.]

## MOON'S PHASES.

	D.	H.	M.
● First Quarter...	4	0	32 ev.
○ Full Moon.....	11	4	59 ev.
● Last Quarter...	19	5	46 ev.
● New Moon.....	27	4	5 mo.

## EQUATION OF TIME.

SUN SLOW.	S.	M.	S.	S.	M.	S.	S.	M.	S.	M.	S.
D.	1	5	9	13	17	21	25	29			
M.	5	5	7	8	10	11	12	13			
S.	28	28	12	47	13	28	30	20			

D. D.  
of of  
W M

## VARIOUS PHENOMENA.

SUN	SUN	RIS	MOON'S	HIGH
RISE	SETS	SETS	PLACE	WATER
h. m.	h. m.	h. m.		SAV' H.
				h. m.
7 44 56	9 27		☾	morn.
7 34 57	10 30			0 16
7 34 57	11 31		☾	0 46
7 34 57	morn.			1 32
7 24 58	0 30			2 24
7 24 58	1 30		☾	3 26
7 24 58	2 15		☾	4 39
7 14 59	3 21		☾	5 55
7 14 59	4 13			7 10
7 05 0	5 40			8 8
7 05 0	rises.		☾	9 0
6 59 5	1 6 18			9 45
6 59 5	1 7 3		☾	10 26
6 58 5	2 7 50			11 2
6 58 5	2 8 20		☾	11 38
6 57 5	3 9 30			even 14
6 57 5	3 10 30		☾	0 47
6 56 5	4 11 38		☾	1 24
6 55 5	5 morn.		☾	2 2
6 55 5	5 0 38			2 46
6 54 5	6 1 11		☾	2 47
6 54 5	6 2 10			5 0
6 53 5	7 3 10		☾	6 21
6 52 5	8 4 20			7 30
6 51 5	9 5 20			8 16
6 51 5	9 6 0		☾	9 2
6 50 5	10 sets.			9 45
6 49 5	11 6 32		☾	10 25
6 48 5	12 7 37			11 5
6 48 5	12 8 30			11 45
6 47 5	13 9 30		☾	morn

S 1	New Year's Day.	
M 2	☾ in Perigee.	Fair
T 3	☾ in Perigee.	and
W 4	Fort Morgan captured, 1861.	
T 5	agreeable weather.	
F 6	Epiphany.	Frosty.
S 7	Israel Putnam born, 1718.	
S 8	Battle of New Orleans, 1815.	
M 9	Col. Lubbock died, 1862.	
T 10	Battle of Prestonburg, 1862.	
W 11	Ala. and Fla. seceded, 1861.	
T 12	Cold winds from	
F 13	☾ Highest. the North West.	
S 14	Aldebaran Sou. Sh. 52.	
S 15	Cloudy and	
M 16	Battle of Ironton, 1862.	
T 17	☾ in Apogee. damp.	
W 18	☾ & ☽ Ex-Pres't Tyler d. '62	
T 19	Battle of Mill Springs, 1862.	
F 20	☾ enters ☾	
S 21	Capella Sou. 9h. 3m.	
S 22	St Vincent.	
M 23	☾ & ☽ Cold rain	
T 24	and perhaps snow.	
W 25	Conversion of St. Paul.	
T 26	☾ Lowest. or sleet.	
F 27	Sirius Sou. 10h. 12m.	
S 28	Peter the Great died, 1725.	
S 29	Prof. F. C. Bond died, 1859.	
M 30	Great Eastern launched, 1858.	
T 31		

TO PRESERVE GREEN PEAS.—Gather them while they are yet tender; shell and dry them. If they can be dried in the shade without molding, so much the better. The following winter, after soaking them in warm water over-night, you will find them swollen to the same size, and being as green and tender as they were when first gathered. Then boil them as usual, and you will have green peas in midwinter.

# 2d Month.] FEBRUARY. [28 Days.

## MOON'S PHASES.

	D.	H.	M.
☉ First Quarter..	2	11	47 ev.
○ Full Moon....	10	10	45 mo.
☉ Last Quarter,..	18	11	5 mo.
☉ New Moon....	25	3	1 ev.

## EQUATION OF TIME.

SUN SLOW.	D.	M.	S.	D.	M.	S.	D.	M.	S.
	1	13.	49	5	14.	15	9	14.	28
				13	14.	29	17	14.	18
				21	13.	56	25	13.	23
				28	12.	41			

D of W	D of M	VARIOUS PHENOMENA.	SUN RISE h. m.	SUN SETS. h. m.	☉ RIS & S'TS h. m.	MOON'S PLACE.	HIGH WATER SAV'H. h. m.
W	1	☉ in Perigee. <i>Windy</i>	6 47	5 13	10 11	☾	0 28
T	2	Purificat'n Blessed-Virgin Mary.	6 46	5 14	11 10	☽	1 13
F	3	Fort Henry attacked, 1862.	6 45	5 15	morn.		1 59
S	4	<i>and disagreeable</i>	6 44	5 16	0 11		1 57
S	5	Earthquake in Sicily, 1780.	6 43	5 17	1 12	☾	4 9
M	6	<i>weather.</i>	6 42	5 18	2 10		5 34
T	7	<i>Fair and frosty.</i>	6 41	5 19	3 10	☾	6 58
W	8	Roanoke Island taken, 1862.	6 40	5 20	4 20		8 1
T	9	☉ Highest. <i>Cloudy</i>	6 39	5 21	5 30	☾	8 49
F	10	<i>and perhaps stormy.</i>	6 39	5 21	rises.		9 32
S	11	Revolution St. Domingo, 1807.	6 38	5 22	7 0	☾	10 9
S	12	Septuagesima Sunday.	6 37	5 23	8 20		10 43
M	13	☉ in Apogee. <i>Fair</i>	6 36	5 24	9 36	☾	11 14
T	14	St. Valentine's Day.	6 35	5 25	10 30		11 46
W	15	☉ ☽ <i>and frosty.</i>	6 34	5 26	11 30	☾	eve 15
T	16	Ft. Donelson surrendered, 1862.	6 33	5 27	morn.		0 49
F	17	Provisional Congress ended, '62.	6 32	5 28	0 31	☾	1 24
S	18	Jeff. Davis inaugurated, 1861.	6 31	5 29	1 3		2 4
S	19	☉ enters ☾. Sexagesima.	6 30	5 30	1 53		2 53
M	20	☉ ☽ <i>Rainy and</i>	6 29	5 31	2 40	☾	4 8
T	21	<i>damp weather.</i>	6 28	5 32	3 40		5 29
W	22	☉ Lowest.	6 27	5 33	4 16	☾	6 47
T	23	Battle of Buena Vista, 1849.	6 26	5 34	5 16		7 52
F	24	St. Matthias. <i>Expect</i>	6 25	5 35	5 56	☾	8 37
S	25	<i>much rain at</i>	6 24	5 36	sets.		9 22
S	26	Quinquagesima Sunday.	6 23	5 37	6 54		10 2
M	27	☉ in Perigee.	6 22	5 38	7 47	☾	10 44
T	28	<i>the end of the month.</i>	6 21	5 39	8 39		11 27

TO MEND BROKEN CHINA OR GLASSWARE.—Pound burned oyster shells, sift the powder through a very fine seive, and grind it on a painter's stone till it becomes very fine; then take the whites of several eggs, according to the quantity of powder, beat them well, and having mixed them with it, form the whole into a kind of paste. Join the pieces of china or glass, press them together for seven or eight minutes, and the united parts will stand heat and water, and will not come apart if they should fall to the ground.

3d Month.]

MARCH.

[31 Days.

MOON'S PHASES.				EQUATION OF TIME.																				
	D.	H.	M.	SUN SLOW.	D.	M.	N.	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
☉ First Quarter...	4	11	48 mo.																					
☾ Full Moon.....	12	5	11 mo.																					
☉ Last Quarter...	20	1	43 mo.																					
☾ New Moon.....	27	0	34 mo.																					
D. D.	VARIOUS PHENOMENA.														SUN RISE.	SUN SETS.	☉ RISES.	MOON'S PLACE.	HIGH WATER.	SAV'H.				
of of															h. m.	h. m.	h. m.		h. m.	h. m.				
W M																								
W 1	Ash Wednesday.	W	6	20	5	40	9	39	♊	morn														
T 2	♀'s greatest Elongation east.		6	19	5	41	10	38		0 16														
F 3	Martial Law in Richmond, 1862.		6	18	5	42	11	43		0 54														
S 4	Pollux south, 8h. 44m.		6	17	5	43	morn.		♋	1 41														
S 5	1st Sunday in Lent.		6	16	5	44	0	43		2 36														
M 6	<i>may expect this to</i>		6	15	5	45	1	33	♌	3 49														
T 7	Battle of Pea Ridge, 1862.		6	14	5	46	2	11		5 16														
W 8	Battle at Norfolk, 1862.		6	13	5	47	3	0		6 40														
T 9	☉ Highest. <i>be the</i>		6	12	5	48	3	40	♍	7 43														
F 10	Regulus south, 10h. 44m.		6	11	5	49	4	32		8 29														
S 11	Surnames used in England, 1072		6	10	5	50	5	30	♎	9 10														
S 12	2d Sunday in Lent.		6	9	5	51	riser.			9 43														
M 13	☉ in Apogee. <i>most</i>		6	8	5	52	6	33	♏	10 17														
T 14	☉ & ♀ <i>disagreeable</i>		6	7	5	53	7	48		10 46														
W 15	Andrew Jackson born, 1769.		6	5	5	54	8	45	♐	11 17														
T 16	Regulus south, 10h 21m.		6	5	5	55	9	41		11 48														
F 17	St Patrick's day. <i>month</i>		6	4	5	56	10	43	♑	eye 18														
S 18	☉ & ♀. Vega rises, 10h. 26m.		6	3	5	57	11	53		0 50														
S 19	3d Sunday in Lent.		6	2	5	58	morn		♒	1 30														
M 20	☉ Lowest. <i>during</i>		6	1	5	59	1	2		2 19														
T 21	☉ ent's ♀. Days & nights equal.		6	0	6	0	1	52	♓	3 24														
W 22	<i>this year. Rainy</i>		5	59	6	1	2	42		4 51														
T 23	Battle of Kearnstown, 1862.		5	58	6	2	3	28		6 11														
F 24	<i>windy and cold.</i>		5	57	6	3	3	54	♈	7 18														
S 25	Hudson river discovered, 1609.		5	56	6	4	4	20		8 8														
S 26	4th Sunday in Lent.		5	55	6	5	5	0	♉	8 53														
M 27	☉ in Perigee.		5	54	6	6	sets.			9 35														
T 28	War with Russia, 1854.		5	53	6	7	7	27		10 21														
W 29	Swedenbourg died, 1772.		5	52	6	8	8	49	♊	11 4														
T 30	Regulus south, 9h. 26m.		5	51	6	9	9	31		11 51														
F 31	<i>More pleasant now.</i>		5	50	6	10	10	30	♋	morn.														

TO GET A TIGHT RING OFF A FINGER.—Thread a needle, flat in the eye, with a strong thread; pass the head of the needle, with care, under the ring, and pull the thread through a few inches towards the hand; wrap the long end of the thread tightly round the finger, regularly down to the nail, to reduce its size. Then lay hold of the short end and unwind it. The thread passing against the ring will gradually remove it from the finger. This method never fails.

4th Month.]

APRIL.

[30 Days.

## MOON'S PHASES.

	D.	H.	M.
☉ First Quarter.	3	0	33 mo.
☾ Full Moon....	10	10	52 ev.
☾ Last Quarter.	18	1	25 ev.
☾ New Moon...	25	8	38 mo.

## EQUATION OF TIME.

SUN SLOW.	D.	M.	S.	49	37	29	24	17	Fast.	26	11	49
	1	3	49	5	2	37	13	0	24	21	1	26

D of W	D of M	VARIOUS PHENOMENA.	SUN RISE h. m.	SUN SETS h. m.	☉ RIS & S'TS. h. m.	MOON'S PLACE.	HIGH WATER SAV'N. h. m.
S	1	All Fool's Day.	5 49	6 11	11 44	☾	0 34
S	2	5th Sunday in Lent.	5 48	6 12	morn.	☾	1 24
M	3	Prof. Wilson died, 1854.	5 47	6 13	0 57		2 21
T	4	☾ brightest in eve.	5 46	6 14	1 39		3 29
W	5	☾ Highest. <i>Fair and</i>	5 45	6 15	2 20	☾	4 54
T	6	Battle of Shiloh, 1862.	5 44	6 16	2 48		6 11
F	7	Island No. 10 surrendered, 1862	5 43	6 17	3 17	☾	7 16
S	8	<i>more pleasant.</i>	5 42	6 18	3 56		8 4
S	9	Palm Sunday. <i>Cool.</i>	5 41	6 19	4 50	☾	8 42
M	10	☾ Eclipsed, visible.	5 40	6 20	rises.		9 16
T	11	☾ in Apogee. <i>Frosty</i>	5 39	6 21	7 30	☾	9 48
W	12	☾ ☿ h <i>mornings</i>	5 38	6 22	8 40		10 19
T	13	h south, 0h. 20m. <i>and</i>	5 37	6 23	9 44	☾	10 48
F	14	Good Friday. <i>cool</i>	5 36	6 24	10 27		11 20
S	15	☾ ☿ 24 <i>winds from</i>	5 35	6 25	11 31	☾	11 42
S	16	Easter Sunday. <i>the N. W.</i>	5 34	6 26	morn.		eve 27
M	17	Easter Monday.	5 33	6 27	0 47		1 8
T	18	☾ Lowest. h ☿ ☉	5 32	6 28	1 16	☾	1 57
W	19	h rises at sunset.	5 31	6 29	2 4		2 58
T	20	Rome founded, 753 B. C.	5 30	6 30	2 33	☾	4 18
F	21	☉ enters ☿. <i>Fair.</i>	5 29	6 31	3 6		5 33
S	22	<i>Right time to plant</i>	5 28	6 32	3 38	☾	6 43
S	23	Low Sunday. <i>cotton.</i>	5 27	6 33	4 10		7 37
M	24	☾ in Perigee.	5 26	6 34	4 58		8 29
T	25	☉ Eclipsed, invisible.	5 25	6 35	sets.	☾	9 11
W	26	<i>Pleasant weather.</i>	5 24	6 36	7 19		9 59
T	27	Battle of Sillery, 1760.	5 23	6 37	8 11	☾	10 47
F	28	Wolf killed, 1759.	5 22	6 38	9 17		11 32
S	29	h south, 11h. 16m.	5 21	6 39	10 14		morn.
S	30	2d Sunday after Easter.	5 20	6 40	10 56	☾	0 17

CHINESE METHOD OF MENDING CHINA.—Take a piece of flint glass, beat it to a fine powder, and grind it with the white of an egg; this mixture joins china without riveting, so that no art can break it in the same place. The composition is to be ground extremely fine on a painter's stone. This simple method is recommended to all who may have broken china, now that it is impossible to replace it.

5th Month.]

MAY.

[31 Days.

## MOON'S PHASES.

## EQUATION OF TIME.

	D.	H.	M.
☉ First Quarter...	2	2	12 ev.
☾ Full Moon.....	10	2	30 ev.
☉ Last Quarter...	17	10	8 ev.
☾ New Moon....	24	5	28 ev.

SUN EAST.	D.	M.	S.	5.	30.	46.	53.	51.	39.	19.	51.
	1	5	9	13	17	21	25	29			

D. D.	of of	W M.	VARIOUS PHENOMENA.	SUN RISE	SUN SETS.	☉ RISE	MOON PLACE.	HIGH WATER SAV'N.
				h. m.	h. m.	h. m.		h. m.
M 1	☉		disappears in evening.	5 20	6 40	11 44	☾	1 5
T 2	☉		Highest.	5 19	6 41	morn.	☾	2 1
W 3			Tennessee seceded, 1861.	5 18	6 42	0 13.		3 2
T 4			Robert Grier died, 1848.	5 17	6 43	0 53	☉	4 18
F 5			Napoleon died 1821.	5 16	6 44	1 23		5 26
S 6			Battle of Williamsburg, 1862.	5 15	6 45	1 50	☾	6 32
S 7			3d Sunday after Easter.	5 15	6 45	2 20		7 25
M 8	☉		in Apogee.	5 14	6 46	3 20	☾	8 6
T 9			Arcturus south, 10h. 56m.	5 13	6 47	4 8		8 46
W 10	☉ ☉		Inferior.	5 12	6 48	rises.		9 20
T 11	☉ ☉		some want	5 12	6 48	7 27	☾	9 53
F 12			Antares south, 1h. 0m.	5 11	6 49	8 30		10 25
S 13			of rain. Windy.	5 10	6 50	9 8	☾	10 59
S 14			4th Sunday after Easter.	5 9	6 51	10 11		11 33
M 15	☉		Lowest. ☉ ☉	5 9	6 51	10 40	☾	eve. 9
T 16			Cloudy, and we	5 8	6 52	11 40		0 52
W 17			Revolution in Venice, 1767.	5 7	6 53	morn.	☾	1 42
T 18	☉		visible in the morning.	5 7	6 53	0 45		2 38
F 19			Cuba discovered, 1494.	5 6	6 54	1 35		3 46
S 20			may now expect	5 5	6 55	2 15	☾	4 59
S 21	☉		enters ☾. Rogation Sunday.	5 5	6 55	3 31		6 4
M 22	☉		in Perigee. a fine	5 4	6 56	4 39	☾	7 6
T 23			Irish rebellion commenc'd, 1798.	5 4	6 56	4 50		8 1
W 24			Battle of Front Royal, 1862.	5 3	6 57	sets.	☉	8 51
T 25			Ascension Day. rain.	5 3	6 57	7 24		9 44
F 26			Corpus Christi. Growing	5 2	6 58	8 5	☾	10 32
S 27	☉		Highest. weather.	5 2	6 58	8 45		11 16
S 28			Sunday after Ascension.	5 1	6 59	9 24	☾	morn.
M 29			General Putnam died, 1790.	5 1	6 59	10 1		0 16
T 30			Joan of Arc burnt, 1431.	5 0	7 0	10 45	☉	0 59
W 31				5 0	7 0	11 0		1 38

When Molasses is used for cooking, it is a great improvement to boil and skim it before using. It takes out the unpleasant raw taste, and makes it almost as good as sugar. Where molasses is used much for cooking, it is well to prepare one or two gallons this way at a time.

Barley-straw is the best kind for beds. Dry corn-husks, slit in shreds, are better than straw.

6th Month.]

JUNE.

[30 Days.

## MOON'S PHASES.

	D.	H.	M.
☉ First Quarter...	1	4	45 mo.
○ Full Moon.....	9	3	55 mo.
☾ Last Quarter....	16	5	29 mo.
☾ New Moon.....	23	2	17 mo.
☾ First Quarter...	30	7	55 ev.

## EQUATION OF TIME.

SUN FAST.	D.	M.	S.	26	57	3	14	17	Slow.	21	1	28	25	2	20	3	9
	1	2	1	5	9	13	17	21	25	29							

D of W	D of M	VARIOUS PHENOMENA.	SUN RISE h. m.	SUN SETS h. m.	☉ RISE & S'TS. h. m.	MOON'S PLACE.	HIGH WATER SAV'N. h. m.
T	1	Battle of Seven Pines ended, '62.	4 59	7 1	11 52		2 30
F	2	Arcturus south, 9h. 27m.	4 59	7 1	morn.	♊	3 28
S	3	☉ in Apogee. <i>Mild</i>	4 58	7 2	0 35		4 35
S	4	Whit Sunday. <i>and</i>	4 58	7 2	1 15	♋	5 37
M	5	Whit Monday.	4 58	7 2	1 48		6 36
T	6	☉ ☿ <i>agreeable.</i>	4 57	7 3	2 10	♌	7 31
W	7	Mahomet died, 632.	4 57	7 3	2 49		8 14
T	8	♊ south, 0h. 20m.	4 57	7 3	3 10	♍	8 54
F	9	☉ ☿ ♊ <i>Rainy and windy.</i>	4 57	7 3	rises.		9 29
S	10	☉ Lowest.	4 56	7 4	8 21		10 7
S	11	Trinity Sunday.	4 56	7 4	9 20	♎	10 43
M	12	New York incorporated, 1665.	4 56	7 4	10 21		11 17
T	13	♊ ☿ ☉—♊ rises at sunset.	4 56	7 4	10 43		11 56
W	14	Arcturus south, 8h. 37m.	4 56	7 4	11 24	♏	eve 39
T	15	☿ brightest in morn.	4 55	7 5	morn.		1 26
F	16	♊ south, 11h. 48m. <i>We</i>	4 55	7 5	0 11	♐	2 19
S	17	☉ in Perigee. <i>may</i>	4 55	7 5	1 2		3 20
S	18	1st Sunday, after Trinity.	4 55	7 5	2 0		4 30
M	19	<i>expect much wet</i>	4 55	7 5	2 48	♑	5 35
T	20	Queen Victoria crowned, 1837.	4 55	7 5	3 28		6 43
W	21	☉ enters ♏. Longest day.	4 55	7 5	4 13	♒	7 45
T	22	♊ south, 1h. 24m.	4 55	7 5	4 30		8 40
F	23	<i>weather at the</i>	4 55	7 5	sets.		9 32
S	24	St. John Baptist. <i>end</i>	4 55	7 5	8 26	♈	10 20
S	25	2d Sunday after Trinity.	4 55	7 5	9 12		11 4
M	26	☉ Highest. <i>of this</i>	4 55	7 5	9 36	♉	11 46
T	27	Cholera in New York, 1832.	4 55	7 4	10 41		morn.
W	28	<i>month. Warm.</i>	4 56	7 4	11 12	♊	0 28
T	29	St. Peter. Henry Clay died, '52.	4 56	7 4	morn.		1 6
F	30	Montezuma died, 1520.	4 56	7 4	0 2	♋	1 54

Never allow ashes to be taken up in wood, or put into wood.—  
 Always have your matches and lamp ready for use in case of sudden alarm. Have important papers together, where you can lay your hands on them at once in case of fire.

If you wish to preserve fine teeth, always clean them thoroughly after you have eaten your last meal at night.

7th Month.]

JULY.

[31 Days.

## MOON'S PHASES.

	D.	H.	M.
○ Full Moon....	8	3	1 ev.
☾ Last Quarter... 15	0	14	ev.
● New Moon....	22	0	48 ev.
☾ First Quarter.. 30	11	34	mo.

## EQUATION OF TIME.

SUN SLOW.	2	33	16	54	26	50	6	12	7
D. M.	1	3	4	4	5	5	6	6	6
	1	6	9	13	17	21	25	29	

D D  
of of  
W M

## VARIOUS PHENOMENA.

SUN RISE h. m. SUN SETS h. m. RISE & SETS h. m. MOON'S PLACE. HIGH WATER SAV'Y. h. m.

S	1	☉ in Apogee.	<i>Fair</i>	4	56	7	4	0	37	♊	2	40
S	2	☿ in Apogee.	<i>and</i>	4	56	7	4	1	28	♋	3	33
M	3	♂ ♀	<i>warm.</i>	4	57	7	3	2	0		4	39
T	4	Independence of United States.		4	57	7	3	2	28	♌	5	42
W	5	<i>Cloudy and damp.</i>		4	57	7	3	3	0		6	44
T	6	Altair south, 0h. 43m.		4	58	7	2	3	47	♍	7	40
F	7	♂ ♀	<i>Growing</i>	4	58	7	2	4	10		8	25
S	8	Arcturus south, 7h. 12m.		4	58	7	2	ris.			9	7
S	9	☾ Lowest.	<i>weather.</i>	4	59	7	1	8	10	♎	9	46
M	10	Columbus born, 1447.		4	59	7	1	9	12	♏	10	26
T	11	John Quincy Adams born, 1769.		4	59	7	1	9	38	♐	11	3
W	12	Altair south, 0h. 19m.		5	0	7	0	10	17		11	42
T	13	Altair south, 0h. 15m.		5	0	7	0	10	43	♑	eve	24
F	14	French Revolution com., 1789.		5	1	6	59	11	40		1	8
S	15	☾ in Perigee.		5	1	6	59	morn.			1	57
S	16	<i>Rain with loud</i>		5	2	6	58	0	3	♒	2	54
M	17	Elbridge Gerry born. 1739.		5	2	6	58	0	40		4	0
T	18	♀'s Greatest Elongation west.		5	3	6	57	1	6	♓	5	15
W	19	Congress met at Richmond, '61.		5	3	6	57	1	30		6	30
T	20	<i>thunder and</i>		5	4	6	56	2	30		7	37
F	21	Battle of Manassas, 1861.		5	5	6	55	3	47	♈	8	33
S	22	☉ enters ♏.	<i>perhaps</i>	5	5	6	55	sets.			9	23
S	23	☿ Highest.	<i>hail.</i>	5	6	6	54	7	54	♉	10	8
M	24	Vega south, 10h. 20m.		5	6	6	54	8	27		10	48
T	25	St. James.	<i>Warm</i>	5	7	6	53	8	57	♊	11	24
W	26	St. Anne.	<i>and</i>	5	8	6	52	9	31		11	59
T	27	Cab Strike. London, 1853.		5	8	6	52	10	1	♋	morn.	
F	28	Dog Days begin.		5	9	6	51	10	39		0	36
S	29	☾ in Apogee.		5	10	6	50	11	33	♌	1	13
S	30	♂ ♀	<i>disagreeable.</i>	5	11	6	49	11	57		1	53
M	31	Fomalhaut south, 2h. 13m.		5	11	6	49	morn.		♍	2	34

TO EXTRACT A GLASS STOPPER.—Take a large strip of wool; pass it once around the neck of the bottle; attach one end of this to a board or some fixed object; hold the other, and then see-saw the bottle along it. The friction will soon heat the neck of the bottle, and by the heat, the neck will expand sufficiently to allow of the stopper being extracted.

8th Month.]

AUGUST.

[31 Days.

## MOON'S PHASES.

	D.	H.	M.
○ Full Moon.....	7	0	7 mo.
☾ Last Quarter... 13	7	13 ev.	
☾ New Moon..... 21	1	54 mo.	
☾ First Quarter... 29	2	14 mo.	

## EQUATION OF TIME.

SUN SLOW.	D.	M.	S.	1	40	11	33	46	51	48	39
	1	6	5	9	13	17	21	25	29		

D D of W	VARIOUS PHENOMENA.	SUN RISE	SUN SETS	☾ & STS.	RIS.	PLAC.	HIGH WATER SAV'H.
WM		h. m.	h. m.	h. m.			h. m.
T 1	America discovered, 1492.	5 12	6 48	0 32	m		3 35
W 2	<i>Sultry weather.</i>	5 13	6 47	1 17	†		4 49
T 3	♂ ♀ Burr's Trial, 1807.	5 13	6 47	2 5			6 2
F 4	Battle of Brownstown, 1812.	5 14	6 46	2 54			7 8
S 5	☾ Lowest. <i>Now we</i>	5 15	6 45	3 11	V3		8 1
S 6	Ship Arkansas destroyed, 1862.	5 16	6 44	4 10			8 45
M 7	<i>may expect a</i>	5 17	6 43	rises.	≈		9 26
T 8	Canning died, 1827.	5 17	6 43	7 49			10 5
W 9	Battle of Oak Hill, 1861.	5 18	6 42	8 32	✕		10 42
T 10	St. Lawrence. <i>heavy</i>	5 19	6 41	9 16			11 23
F 11	Altair south, 10h. 21m.	5 20	6 40	10 0			ave. 5
S 12	☾ in Perigee. <i>rain.</i>	5 21	6 39	10 40	☿		0 47
S 13	<i>Changeable and</i>	5 22	6 38	11 21			1 36
M 14	Altair south 10h. 9m.	5 22	6 38	morn.	☿		2 28
T 15	Bonaparte born, 1769.	5 23	6 37	0 22			3 36
W 16	Choctaw Mission estab., 1818.	5 24	6 36	1 17			4 58
T 17	<i>unsettled weather.</i>	5 25	6 35	2 2	Π		6 20
F 18	Altair south, 9h. 43m.	5 26	6 34	3 0			7 30
S 19	Guerriere captured, 1812.	5 27	6 33	3 37			8 23
S 20	☾ Highest.	5 28	6 32	4 32	☾		9 10
M 21	LaFayette taken, 1792.	5 29	6 31	sets.			9 50
T 22	☾ enters ♍. <i>Look out</i>	5 30	6 30	7 35	☾		10 25
W 23	<i>for a great storm.</i>	5 30	6 30	8 3			10 59
T 24	St. Bartholomew.	5 31	6 29	8 36	☿		11 32
F 25	Bishop Bowen died, 1839.	5 32	6 28	9 11			morn.
S 26	☾ in Apogee. <i>Morr</i>	5 33	6 27	9 47	☾		0 16
S 27	♂ ♀ Dr. Herschel d., 1822.	5 34	6 26	10 56			0 36
M 28	<i>pleasant towards</i>	5 35	6 25	11 28	m		1 12
T 29	John the Baptist beheaded.	5 36	6 24	11 52			1 51
W 30	2d Battle of Manassas, 1862.	5 37	6 23	morn.	†		2 44
T 31	♂ ♀ the end of this month.	5 38	6 22	0 37			3 57

A SIMPLE METHOD OF MAKING SOAP.—To thirty-two gallons of ley, of strength just sufficient to bear an egg, add sixteen pounds of clean, melted grease, which, by being placed in the hot sun, and occasionally stirred, will, in a few days, produce a soap of the first quality.

Use hard soap to wash clothes and soft to wash floors.

# 9th Month.] SEPTEMBER. [30 Days.

## MOON'S PHASES.

	D.	H.	M.
○ Full Moon.....	5	8	8 mo.
⊙ Last Quarter...	12	3	55 mo.
⊙ New Moon....	19	5	22 ev.
⊙ First Quarter..	27	4	3 ev.

## EQUATION OF TIME.

SUN FAST.	15	33	51	17	42	6	28	19
2	0	1	2	4	5	7	8	9
D.	1	5	9	13	17	21	25	29

D	D	of	of	W	M	VARIOUS PHENOMENA.	SUN RISE	SUN SETS.	☉ & S'TS.	MOON'S PLACE.	HIGH WATER SAV'N.
							h. m.	h. m.	h. m.		h. m.
F	1	☉				Lowest. Cloudy	5 38	6 22	1 37	VY	5 17
S	2					London burnt, 1666.	5 39	6 21	2 34		6 32
S	3					Oliver Cromwell died, 1658.	5 40	6 20	3 46	≈	7 31
M	4					Battle of Ft. Scott, 1861.	5 41	6 19	4 58		8 18
T	5					Dog Days end. and	5 42	6 18	riser.		9 12
W	6					LaFayette born, 1757.	5 43	6 17	7 12	⋈	9 41
T	7					damp weather.	5 44	6 15	7 57		10 20
F	8	☉				in Perigee.	5 45	6 15	8 40	γ	11 1
S	9					Invasion of Maryland, 1862.	5 46	6 14	9 22		11 44
S	10					Battle of Lake Erie, 1813.	5 47	6 13	10 16		eve 27
M	11	7	*	s		rise, 9h. 8m.	5 48	6 12	10 48	♂	1 15
T	12					Gen. Walker executed, 1860.	5 49	6 11	morn.		2 9
W	13					Battle of Cotton Hill, 1862.	5 50	6 10	0 8	Π	3 20
T	14					Moscow burned, 1812.	5 51	6 9	0 37		4 46
F	15					Dry and warm	5 52	6 8	1 48		6 10
S	16	☉				Highest. weather.	5 53	6 7	2 46	♂	7 18
S	17					Battle of Sharpsburg, 1862.	5 54	6 6	3 14		8 8
M	18					We may now	5 55	6 5	4 47	♀	8 49
T	19					Battle of Iuka, 1862. look	5 56	6 4	sets.		9 25
W	20					Battle of Shepherdstown, 1862.	5 57	6 3	7 10	♂	9 59
T	21					St. Matthew. for a	5 58	6 2	7 46		10 30
F	22	☉				in Apogee. great	5 59	6 1	8 26	⊥	11 1
S	23	☉				enters ♄. Days & nights equ.	6 0	6 0	9 4		11 32
S	24	☉	♂	h		storm from	6 1	5 59	9 47	♂	morn.
M	25					the North East.	6 2	5 58	10 31		0 16
T	26					Battle of Mesilla, 1861.	6 3	5 57	11 27	↑	0 36
W	27	☉	♂	2		Agreeable	6 4	5 56	morn.		1 16
T	28	☉				Lowest.	6 5	5 55	0 24	VY	2 5
F	29					St. Michael.	6 6	5 54	1 30		3 10
S	30					St. Jerome. weather.	6 7	5 53	2 35		4 36

A PLAN FOR MEASURING CORN.—Having previously levelled the corn in the house, so that it will be of equal depth throughout, ascertain the length, depth, and breadth of the bulk: multiply these dimensions together, and their product by four; then cut off one figure from the right of the product obtained by the last multiplication; this is so many bushels, and the decimal fraction of a bushel, of shelled corn. If the corn is on the ear, substitute 8 for 4, and cut off one figure as before.

# 10th Month.] OCTOBER. [31 Days.

MOON'S PHASES.				EQUATION OF TIME.									
○	Full Moon...	D.	H. M.	SUN EAST.	D.	M.	S.	27.	41.	48.	47.	38.	20.
◐	Last Quarter...	4	5 8 ev.										
◑	New Moon...	11	2-56 ev.										
◒	First Quarter..	19	11 3 mo.										
◓		27	4 56 mo.										
D	D	VARIOUS PHENOMENA.				SUN	SUN	(RIS	MOON'S PLACE.	HIGH WATER SAV'H.			
of	of					RISE	SETS.	& S'TS.					
W	M					h. m.	h. m.	h. m.					
S	1	Cool mornings.				6	8	5 52	3 35	☾	5 54		
M	2	Maj. Andre executed, 1780.				6	9	5 51	4 20		7 1		
T	3	Battle of Corinth, 1862.				6	10	5 50	5 25	☾	7 49		
W	4	☾ Eclipsed, visible.				6	11	5 49	rises.		8 33		
T	5	Brainard died, 1747.				6	12	5 48	6 40		9 12		
F	6	☾ in Perigee.				6	13	5 47	7 39	☾	9 55		
S	7	Battle of Santa Rosa Isl'd, 1861.				6	14	5 46	8 13		10 40		
S	8	Battle of Perryville, 1862.				6	15	5 45	8 51	☾	11 24		
M	9	Galveston taken, 1862.				6	16	5 44	9 50		even 11		
T	10	Battle of Warsaw, 1794.				6	17	5 43	10 30		0 58		
W	11	Cloudy and damp.				6	18	5 42	11 30	☾	1 55		
T	12	Wm. Penn born, 1745.				6	19	5 41	morn.		3 4		
F	13	☾ Highest. Showery				6	20	5 40	0 4	☾	4 27		
S	14	and unpleasant.				6	21	5 39	1 10		5 49		
S	15	Bank Panic, 1857.				6	22	5 38	2 3	☾	6 55		
M	16	Kosciusko died, 1817.				6	23	5 37	2 56		7 44		
T	17	Bargoyne surrendered, 1777.				6	24	5 36	3 33		8 25		
W	18	St. Luke. Cool				6	25	5 35	4 42	☾	8 59		
T	19	Great Solar Eclipse visible.				6	26	5 34	sets.		9 32		
F	20	☾ in Apogee.				6	27	5 33	6.46	☾	10 3		
S	21	☾ ☉ $\frac{1}{2}$ winds from				6	28	5 32	7 21		10 34		
S	22	Pomahaut south, 8h. 43m.				6	29	5 31	8 20	☾	11 6		
M	23	☉ enters m. the N. W.				6	30	5 30	8 48		11 37		
T	24	Daniel Webster died, 1852.				6	31	5 29	9 20	☾	morn.		
W	25	7 *s south, 1h. 41m.				6	32	5 28	10 18		0 16		
T	26	☾ Lowest. ☾ ☉ $\frac{1}{2}$				6	33	5 27	11 13	☾	0 50		
F	27	$\frac{1}{2}$ ☉ ☉ We may				6	34	5 26	morn.		1 35		
S	28	St. Simon and St. Jude.				6	35	5 25	0 17	☾	2 34		
S	29	Battle of Freyburg, 1745.				6	36	5 24	1 47		3 53		
M	30	now expect frost.				6	37	5 23	2 33		5 9		
T	31	7 *s south, 1h. 0m.				6	38	5 22	3 36	☾	6 21		

**PERMANENT INK FOR MARKING LINEN.**—This useful ink is composed of nitrate of silver (lunar caustic), and tincture or infusion of galls, in the proportions of one drachm of the former, in a dry state, to two drachms of the latter. The linen or cotton must first be soaked in a liquid made of salt of tartar, one ounce, dissolved in an ounce and a half of water; and must be perfectly dry before any attempt is made to write upon it.

# 11th Month.] NOVEMBER. [30 Days.

## MOON'S PHASES.

	D.	H.	M.
○ Full Moon....	3	2	4 mo.
● Last Quarter...	10	5	10 mo.
● New Moon ....	18	5	9 mo.
● First Quarter...	25	5	4 ev.

## EQUATION OF TIME.

SUN EAST.	D.	M.	S.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.
	1	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.

D D	of of	VARIOUS PHENOMENA.	SUN	SUN	RIS	MOON'S	HIGH
W M			RISE	SETS.	& S'TS.	PLACE.	WATER
			h. m.	h. m.	h. m.		SAY' H.
							h. m.
W 1		All Saints' Day	6 39	5 21	4 39	☿	7 16
T 2		♄ in Perigee.	6 40	5 20	5 40	♀	8 4
F 3		<i>Frosty and cool.</i>	6 40	5 20	rises.		8 49
S 4		Aldebaran south, 1h. 51m.	6 41	5 19	5 38		9 35
S 5		Battle of Warrenton, 1862.	6 42	5 18	6 43	♂	10 21
M 6		St. Leonard. <i>Windy.</i>	6 43	5 17	7 27		11 7
T 7		Battle of Belmont, 1861.	6 44	5 16	8 19	♂	11 54
W 8		Seizure of Mason and Slidell, '61.	6 45	5 15	9 10		eve 45
T 9		♄ Highest. ♂ ♂ ☉	6 46	5 14	9 58	♂	1 38
F 10		Milton died, 1674.	6 46	5 14	10 54		2 38
S 11		Aldebaran south, 1h. 23m.	6 47	5 13	11 48		3 53
S 12		Montreal taken, 1775.	6 48	5 12	morn.	♂	5 6
M 13		Meteor Shower, 1833 and 1837.	6 49	5 11	0 41		6 15
T 14		Charles Carroll died, 1832.	6 49	5 11	1 34	♂	7 11
W 15		Sirius rises, 9h. 57m.	6 50	5 10	2 26		7 54
T 16		♄ in Apogee.	6 51	5 9	3 21	♂	8 33
F 17		♄ ♂ ♀ <i>Rainy and</i>	6 52	5 8	4 15		9 8
S 18		Sirius rises, 9h. 45m.	6 52	5 8	sets.	♂	9 42
S 19		7 *s south, 11h. 1m.	6 53	5 7	5 26		10 13
M 20		<i>damp weather.</i>	6 54	5 6	6 21	♂	10 45
T 21		♄ ♂ ♀ <i>Fair and</i>	6 54	5 6	7 17		11 18
W 22		☉ 1 ♄ Lowest.	6 55	5 5	1 14	♀	11 52
T 23		St. Clement. <i>cool.</i>	6 56	5 4	9 20		morn.
F 24		Zachary Taylor born, 1784.	6 56	5 4	10 24	♂	0 31
S 25		Sirius rises, 9h. 17m.	6 57	5 3	11 27		1 15
S 26		O. Ellsworth died, 1807.	6 58	5 2	morn.		2 7
M 27		<i>Fair and frosty.</i>	6 58	5 2	0 28	♂	3 9
T 28		Washington crossed the Dela-	6 59	5 1	1 40		4 25
W 29		ware, 1776.] <i>Cold winds.</i>	6 59	5 1	2 41	♀	5 35
T 30		St. Andrew's Day.	7 0	5 0	3 42		6 42

TO PRESERVE TOMATOES IN A FRESH STATE.—Tomatoes may be kept fresh through the fall and winter, by packing them in jars, laying them alternately a layer of dry sand and one of tomatoes till the jar is full. Then cover them up tight to keep out the air, and place them in a dry cellar.

To keep meat from spoiling in Summer,—eat it early in Spring.

# 12th Month.] DECEMBER. [31 Days.

MOON'S PHASES.				EQUATION OF TIME.									
		D.	H. M.	SUN RISE.	SUN SETS.	RIS. & SETS.	MOON'S PLACE.	HIGH WATER.	SAY "H.	h. m.			
○	Full Moon....	2	0 47 ev.										
●	Last Quarter..	9	10 9 ev.										
●	New Moon....	17	11 7 ev.										
●	First Quarter..	25	4 17 mo.										
D D	of of	VARIOUS PHENOMENA.		h. m.	h. m.	h. m.	MOON'S PLACE.	HIGH WATER.	SAY "H.	h. m.			
W M													
F 1	♂	in Perigee.		7	0 5	0 4 59	♌	7	38				
S 2	♂	*s south, 10h. 50m.		7	1 4	59 rises.	♌	8	27				
S 3	♂	Advent Sunday.		7	1 4	59 5 38		9	19				
M 4	♂	<i>Look for a cold</i>		7	2 4	58 6 43	♏	10	9				
T 5	♂	*s south, 10h. 38m.		7	2 4	58 7 27		10	57				
W 6	♂	Van Buren born, 1782.		7	2 4	58 8 19		11	42				
T 7	♂	Highest. <i>rain.</i>		7	3 4	57 9 10	♏	even	29				
F 8	♂	Theo. Sedgwick died, 1859.		7	3 4	57 9 58		1	18				
S 9	♂	Father Matthew died, 1856.		7	3 4	57 10 54	♏	2	8				
S 10	♂	2d Sunday in Advent.		7	4 4	56 11 48		3	4				
M 11	♂	Great Fire in Charleston, 1861.		7	4 4	56 morn.	♏	4	12				
T 12	♂	Great Comet, 1680.		7	4 4	56 0 41		5	18				
W 13	♂	in Apogee. <i>Cold</i>		7	4 4	56 1 34	♏	6	24				
T 14	♂	♂♂ <i>enough for</i>		7	4 4	56 2 26		7	20				
F 15	♂	Izaak Walton died, 1683.		7	5 4	55 3 21	♏	8	3				
S 16	♂	Gen. T. R. R. Cobb killed, 1862.		7	5 4	55 4 15		8	43				
S 17	♂	3d Sunday in Advent.		7	5 4	55 sets.	♏	9	21				
M 18	♂	♂♂ <i>Ice. Windy</i>		7	5 4	55 5 26		9	56				
T 19	♂	Lowest. <i>and</i>		7	5 4	55 6 21	♏	10	31				
W 20	♂	So. Carolina seceded, 1860.		7	5 4	55 7 17		11	5				
T 21	♂	☉ enters ♏. Shortest day.		7	5 4	55 8 14	♏	11	40				
F 22	♂	<i>cold weather.</i>		7	5 4	55 9 20		morn.					
S 23	♂	Sir Isaac Newton born, 1642.		7	5 4	55 10 24		0	17				
S 24	♂	4th Sunday in Advent.		7	5 4	55 11 27	♏	0	36				
M 25	♂	CHRISTMAS DAY. <i>Fair</i>		7	5 4	55 morn.		1	12				
T 26	♂	St. Stephen. <i>and</i>		7	5 4	55 0 28	♏	1	51				
W 27	♂	in Perigee. <i>cold</i>		7	4 4	56 1 40		2	44				
T 28	♂	Holy Innocents. <i>for</i>		7	4 4	56 2 41		3	57				
F 29	♂	*s south, 9h. 3m. <i>this</i>		7	4 4	56 3 42	♏	5	17				
S 30	♂	Savannah taken, 1778.		7	4 4	56 4 45		6	32				
S 31	♂	♂♂ <i>climate.</i>		7	4 4	56 5 56	♏	7	31				

TO TOUGHEN EARTHENWARE.—It is a good plan to put new earthenware into cold water, and let it heat gradually until it boils, then cool again. Brown earthenware, in particular, may be toughened in this way. A handful of rye, or wheat bran, thrown in while it is boiling, will prevent acid or salt from destroying the glazing.

# CONFEDERATE STATES GOVERNMENT.

Hon. JEFFERSON DAVIS, of Miss., . . . . . PRESIDENT.  
 Hon. A. H. STEPHENS, of Ga., . . . . . VICE PRESIDENT.

## AIDS TO PRESIDENT.

COL WM M BROWNE, of Georgia, COL JAMES CHESTNUT, of South Carolina,  
 COL WM P JOHNSTON, of Kentucky, COL JOSEPH C IVES, of Mississippi, COL  
 G W C LEE, of Virginia, COL JOHN T WOOD, ———, BERTON N HARRISON,  
 of Mississippi, Private Secretary to the President.

## DEPARTMENT OF STATE.

HON J P BENJAMIN, of Louisiana, . . . . . Secretary of State.  
 L Q WASHINGTON, . . . . . Chief Clerk

## DEPARTMENT OF JUSTICE.

HON GEORGE DAVIS, of North Carolina. . . . . Attorney General  
 WADE KEYES, of Alabama, . . . . . Assistant Attorney General

## TREASURY DEPARTMENT.

GEO A TRENHOLM, of South Carolina, . . . . . Secretary of Treasury  
 ROBERT TYLER, . . . . . Register  
 E C ELMORE, . . . . . Treasurer  
 J M STROTHER, of Virginia, . . . . . Chief Clerk  
 LEWIS CRUGER, of South Carolina, . . . . . Comptroller  
 B BAKER, of Florida, . . . . . First Auditor  
 W H S TAYLOR, of Louisiana, . . . . . Second Auditor

## WAR DEPARTMENT.

HON JAMES A SEDDON, of Virginia, . . . . . Secretary of War  
 JUDGE J A CAMPBELL, of Alabama, . . . . . Assistant Secretary of War  
 R G H KEAN, . . . . . Chief Bureau of War  
 GEN SAMUEL COOPER, . . . . . Adjutant and Inspector General  
 LT COL J WITHERS, . . . . . Assistant Adjutant General  
 LT COL H J CLAY, . . . . . " " "  
 MAJOR E A PALFREY, . . . . . " " "  
 MAJOR CHARLES H LEE, . . . . . " " "  
 MAJOR S W MELTON, . . . . . " " "  
 CAPTAIN REILLY, . . . . . " " "  
 BRIG GEN A R LAWTON, of Georgia, . . . . . Quartermaster General  
 COL L B NORTHROP, of South Carolina . . . . . Commissary General  
 COL J GORGAS, . . . . . Chief of Ordnance  
 S P MOORE, M D, . . . . . Surgeon General  
 C H SMITH, M D, . . . . . Assistant Surgeon General

## NAVY DEPARTMENT.

HON S R MALLORY, of Florida, . . . . . Secretary of the Navy.  
 F M TIDBALL, . . . . . Chief Clerk.  
 COM JOHN M BROOKE. . . . . Chief of Ordnance.  
 COM A B FAIRFAX, . . . . . Inspector of Ordnance.  
 COM J K MITCHELL. . . . . In Charge of Orders and Details.  
 SURGEON W A W SPOTTSWOOD, . . . . . Chief Med and Sur.  
 PAYMASTER J DEBREE, . . . . . Chief of Clothing and Provisions.

## POST OFFICE DEPARTMENT.

HON JOHN H REAGAN, of Texas, . . . . . Postmaster General.  
 H ST GEORGE OFFUT, of Virginia, . . . . . Chief of Contract Bureau.  
 B N CLEMENTS, of Tennessee, . . . . . Chief Appointment Bureau.  
 JOHN L HARRELL, of Alabama, . . . . . Chief of Finance Bureau.  
 M FULLER, of North Carolina, . . . . . Chief Clerk.  
 RUFUS R RHODES, of Mississippi, . . . . . Commissioner of Patents.  
 G E W NELSON, of Georgia, . . . . . Superintendent of Public Printing.  
 E R SMITH, of Virginia, . . . . . Public Printer

## A CONDENSED DESCRIPTION

### OF SOME OF THE PRINCIPAL TOWNS IN THE CONFEDERACY.

[From "*Lloyd's Southern Railroad Guide.*"]

**CHARLOTTE, N. C.**—At this point the Charlotte and South Carolina, North Carolina, and the Atlantic, Tennessee and Ohio Railroad connect. Population 4,000.

**MOBILE, Ala.**, a port of entry, is built on the west side of Mobile River, above the bay of the same name. 30 miles from the Gulf, latitude 30 deg. 41 min. 18 sec., and longitude 87 deg. 59 min. It is the largest and most important city in the state, and after New Orleans, the most important cotton market in the South. Steamboats ascend the rivers to Montgomery, Tuscaloosa, &c.; while the Mobile and Ohio Railroad furnishes an outlet for the agricultural wealth of Mississippi, and the eastern portions of Tennessee and Kentucky. Population 35,000.

**STAUNTON, Augusta Co. Va.**, is situated on a branch of the Shenandoah River, 136 miles from Richmond. Western Lunatic Asylum, Virginia Institute for the Deaf and Dumb, and several seminaries and academies, are situated here. The country is perfectly beautiful. Weyer's Cave is about 18 miles northeast of Staunton. Population 3,000.

**CHARLOTTESVILLE, Albemarle Co. Va.**, is on the bank of the Rivanna River. The University of Virginia is situated one mile west of the city. Monticello, three miles distant, was the residence of Thomas Jefferson. Charlottesville is beautifully situated. Population 3,000.

**STATESVILLE, Iredell Co. N. C.**, is the junction of the Atlantic, Tennessee and Ohio Railroad, with Western N. C. Railroad. Population 1,500.

**MORGANTON, Burke Co. N. C.**, is situated on the Catawba River, present terminus of the Western N. C. Railroad.

**PETERSBURG, Va.**, is a beautiful city on the Appomattox River, twenty-two miles south of Richmond. Population 20,000.

**LYNCHBURG, Va.**, is situated on the south bank of the James River, 120 miles from Richmond, and 20 miles southeast of the Blue Ridge. The city was laid off in 1786, and has a population of 16,000.

**BURKEVILLE, Prince Edward Co. Va.**, is the junction of the Southside Railroad, and Richmond and Danville Railroad.

**GOLDSBORO, N. C.** is one or two miles from the Neuse River, and terminus of the N. C. Railroad, and junction of the Wilmington and Weldon Railroad.

**JACKSON'S RIVER, Va.**, Western terminus of the Virginia Central Railroad.

**ATHENS, Ga.**, on the Oconee River, is a cotton market of consideration and is connected with the seaboard by a branch of the Georgia Railroad. It has several cotton factories, and is the seat of Franklin College, one of the most flourishing educational institutions in the State of Georgia. Population 4,000.

**AUSTIN, Texas**, is situated on the north bank of the Colorado River, 200 miles above its mouth, and is the Capital of the State. Population 4,000.

**DANVILLE, Va.**, is situated on Dan River, at the head of navigation, five miles from the North Carolina line, and is the southwestern terminus of the Richmond and Danville Railroad. Population about 4,000.

**AMELIA COURT HOUSE, Va.**, is thirty-six miles from Richmond.

**JETERSVILLE, Amelia Co. Va.**, is forty-three miles from Richmond.

**WILMINGTON, N. C.**, is on Cape Fear River, 35 miles from the sea. Population 15,000.

**SALISBURY, N. C.**, is the county site of Rowan, and 15 miles from Yadkin River, and is the eastern terminus of the Western N. C. Railroad. The North Carolina Railroad passes through the city. Population 3,000.

**SHREVEPORT, La.,** is situated on Red River, 30 miles below the "Great Raft." It is the largest commercial town in the northwest portion of the state, and is the only accessible port for a large region. About 100,000 bales of cotton are shipped annually. Population 3,000.

**GORDONSVILLE, Orange Co. Va.,** is the junction of the Orange and Alexandria Railroad, with the Virginia Central Railroad, and is 76 miles from Richmond.

**HANOVER COURT HOUSE, Va.,** is 1 mile from Pamunky River, 15 miles north of Richmond, and is the birthplace of Henry Clay, also of Patrick Henry. Early triumphs occurred at this place, and it has often been the scene of bloodshed since the commencement of the present war.

**SELMA, Ala.,** is situated 70 miles below Montgomery, and on the Alabama River; and the terminus of the Alabama and Tennessee Rivers Railroad. The Alabama and Mississippi Railroad also passes through the town, and forms a link in the great chain of roads from the seaboard to the Mississippi. Population 6,000.

**BLUE MOUNTAIN, Ala.,** is the terminus of the Alabama and Tennessee Rivers Railroad. A Railroad is now being built from this point to Rome, Georgia, by our Government.

**RICHMOND, Va.,** is the seat of Government of the Confederate States, and Capital of Virginia; and head of navigation and tide water on James River. It is a beautiful city, and has a population of 40,000.

**MANCHESTER, Chesterfield Co. Va.,** on the James River opposite Richmond, with which it is connected by a bridge. It is beautifully situated, and contains many elegant Residences erected by persons doing business in Richmond.—Several flour mills, one paper mill, soap factory, match factory, and one or two foundries are situated in Manchester. Population, 4,000.

**AUGUSTA, Ga.,** on the Savannah River, head of navigation and second city in the state; beautifully located, several factories are here, and it is a great railroad centre. Population 20,000.

**GALVESTON, Texas,** on the east end of the island of the same name, 210 miles from New Orleans, and is the principal port of Texas—harbor good, and depth of water sufficient for the largest vessels. Population 25,000.

**MERIDIAN, Miss.,** is the terminus of the Alabama and Mississippi Rivers Railroad, and the Southern Railroad. Population about 2,000.

**CHARLESTON, S. C.,** has a fine harbor, seven miles from the ocean, and is situated on the Cooper and Ashley Rivers. Noble and great city, the Yankees will never take this place; they have done their utmost for about two years.

**COLUMBUS, Miss.,** is the capital of Lowndes County, and the terminus of the Columbus branch of the Mobile and Ohio Railroad.

**SAVANNAH, Ga.,** is situated on the Savannah River, 15 miles from the sea, and 96 miles west of Charleston, lat. 32 deg. 5 min., and lon. 81 deg. 8 min. It is the largest and most commercial city of the State, and a great cotton and rice point. Population 30,000.

**ATLANTA, Ga.,** is a noted railroad centre, at which four railroads concentrate their commerce. It is quite a new city, laid off as late as 1843, but before the citizens were exiled by Sherman, Maj. Gen. U. S. A. it had a population of 20,000.

**MONTGOMERY, Ala.,** Capital of the State, is situated on the Alabama River, 340 miles above Mobile, lat. 32 deg. 21 min. and long. 82 deg. 26 min. It is the second city of Alabama. Population 15,000.

**FERNANDINA, Fla.,** occupies the head of Amelia Island, fronting Amelia River, which forms the harbor. Its site is admirable—the islands having an undulating surface, some portions being seventy feet above the sea level.—It averages about two miles in breadth and eighteen in length. It is regarded as one of the most healthy Sea Islands on the Southern coast; never having been visited by the yellow fever, cholera, or other epidemic. A portion of the Island is covered by groves of live oak. The purest of water is found throughout the Island at a slight depth below the surface.

\* CEDAR KEYS, Fla., contains about 1,000 acres of land. Though of less prospective importance than Fernandina, it is destined to become a large town, rendering its site very valuable. It will become the point of distribution of travel for all the Gulf ports, the various Isthmus crossings, and for Havana and other West India ports. It will also become the *entrepot* of provisions and grain for the greater part of Florida, the industry of which will for a long time to come, be devoted exclusively to cotton or sugar planting, and to the manufacture of lumber and naval stores. The situation of the town is excellent, being elevated some thirty feet above the Gulf, and resting on a foundation of limestone. It has a good harbor, capable of taking over the bar, vessels drawing twelve feet of water.

## AREA OF STATES IN THE CONFEDERACY.

<i>States.</i>	<i>Square Miles.</i>
Virginia.....	61,352
North Carolina.....	45,000
South Carolina.....	24,500
Georgia.....	48,000
Alabama.....	58,722
Florida.....	53,786
Louisiana.....	46,481
Arkansas.....	52,198
Mississippi.....	67,380
Missouri.....	47,156
Tennessee.....	45,600
Kentucky.....	37,980
Texas.....	237,321
Total Square Miles.....	777,426

A lengthy road for the Yankee horde to travel and subjugate the Southern people. They'll find it a rough road to get over, before they have accomplished their hellish purpose.

IF YOU WANT

**GOVERNMENT BLANKS,**

OR

**PAMPHLETS, CARDS, BILL-HEADS,**

PRINTED;—

**BOOKS, PERIODICALS, OR MUSIC,**

BOUND OR RE-BOUND;—

**BLANK BOOKS MADE;—**

CALL ON

**BURKE, BOYKIN & CO,**

**MACON, GA.**

# SOUTHERN PUBLISHING HOUSE.

BURKE, BOYKIN & CO.,

BOOK AND JOB PRINTERS AND BINDERS,

MACON, GA.

Orders for every description of Printing, Binding and Ruling, promptly executed. NEATNESS AND DISPATCH is the watchword!

## TO THE PUBLIC.

The undersigned have the pleasure to announce that they can supply the Public with the following Books. We give opposite each Book the retail price, for which amount each Book will be sent free of postage:

MASTER WILLIAM MITTEN—By JUDGE LONGSTREET.....	\$5 00
YOUNG MAROONERS—By REV. F. R. GOULDING.....	5 00
CAMP AND FIELD—By REV. JOSEPH CROSS, D. D., 1st } and 2nd parts, for both.....	5 00
DUNCAN ADAIR— <i>A Story of Morgan's Men</i> .....	1 00
CONFEDERATE SPELLING BOOK—By DR. BAIRD.....	3 00
NEW ENGLISH GRAMMAR—By DR. DAGG.....	3 00
SCHOOL OF THE GUIDES—ILLUSTRATED.....	1 00
NELLIE NORTON—By REV. E. W. WARREN.....	5 00
BRITISH PARTIZAN—By MISS MORAGNE, of S. C., with } an introduction by Col. W. T. THOMPSON, Author of } Major Jones' Courtship.....	2 00
BURKE'S PICTURE PRIMER—with 100 Cuts.....	75 cents.
COL. RICHARDSON'S MILITARY CATECHISM—Embracing Evolution and Movements of every kind, from School of Sol- dier to the Line. A liberal discount to the Trade.	

ADDRESS

BURKE, BOYKIN & CO.,

MACON, GA.

# BOOKS, STATIONERY, &c.

J. W. BURKE, Agent,

MACON, GA.,

Keeps constantly on hand a large and varied assortment of

## MISCELLANEOUS, SCHOOL AND RELIGIOUS BOOKS,

Letter, Foolscap and Note Paper,  
ENVELOPES, PENS, PENCILS, INK, ETC.

The following Books in large quantities:—

Smith's Grammar, Dagg's Grammar, Child's Scripture  
Question Book, School of the Guides, Burke's  
Picture Primer, Confederate Spelling Book.

Address as above,—always enclosing money in new currency.

## SHEET MUSIC:

The following beautiful Songs may be obtained by addressing—

J. W. BURKE, Agent, Macon, Ga.,

And all the new and popular Music published in the Confederacy.

When I saw Sweet Nellie home,.....	\$1 50
Gentle Nettie Moore, [Southern Version.].....	1 50
Brightest Eyes,.....	1 50
Shells of Ocean,.....	1 50
Will You Love Me Then as Now,.....	1 50
Dearest, Then I'll Love You More,.....	1 50
Vale of Rest,.....	1 50
Sleeping, I Dreamed, Love,.....	1 50
On the Mountain's Airy Summit,.....	1 50
Gently Rest,.....	1 50
Listen to the Mocking Bird,.....	1 50
Lorena,.....	1 50
Monastery Bells, [Song,].....	1 50
Softly, Ye Night Winds,.....	1 50
Ever of Thee,.....	1 50
Hurrah for Our Flag, [new and popular,].....	2 00
Her Bright Smile Haunts Me Still.....	2 50

Liberal discount to Dealers and Teachers.