



Portland B. Howard  
W.C. Congregational Co  
No 1. Somerset St-  
Boston  
Mass  
U.S.A

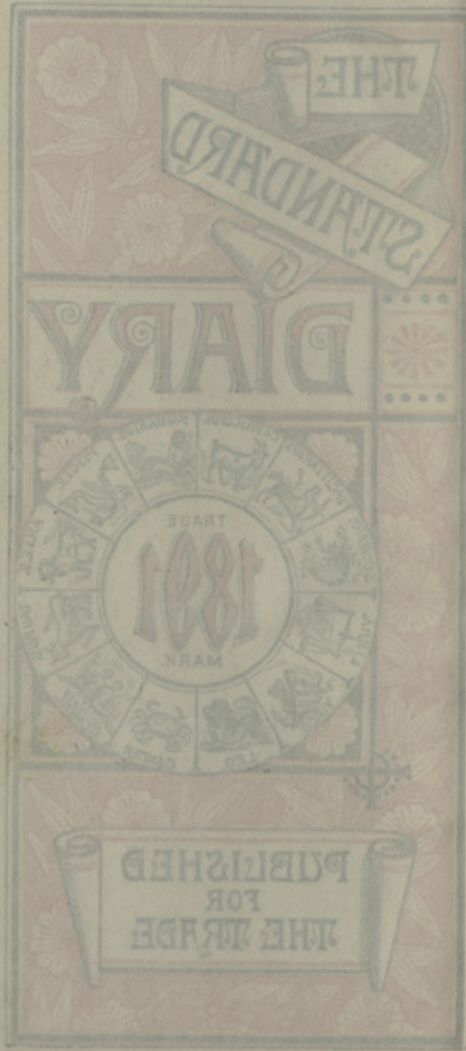
THE  
STANDARD

DIARY



PUBLISHED  
FOR  
THE TRADE





# CALENDAR.

1891.

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	4	5	6	7	8	9	10	JULY	5	6	7	8	9	10	11
	11	12	13	14	15	16	17		12	13	14	15	16	17	18
	18	19	20	21	22	23	24		19	20	21	22	23	24	25
	25	26	27	28	29	30	31		26	27	28	29	30	31	..
	..	..	..	..	..	..	..		..	..	..	..	..	..	1
FEB.	1	2	3	4	5	6	7	AUG.	2	3	4	5	6	7	8
	8	9	10	11	12	13	14		9	10	11	12	13	14	15
	15	16	17	18	19	20	21		16	17	18	19	20	21	22
	22	23	24	25	26	27	28		23	24	25	26	27	28	29
	..	..	..	..	..	..	..		30	31	..	..	..	..	..
MAR.	1	2	3	4	5	6	7	SEPT.	..	..	1	2	3	4	5
	8	9	10	11	12	13	14		6	7	8	9	10	11	12
	15	16	17	18	19	20	21		13	14	15	16	17	18	19
	22	23	24	25	26	27	28		20	21	22	23	24	25	26
	29	30	31	..	..	..	..		27	28	29	30	..	..	..
APRIL	..	..	..	1	2	3	4	OCT.	..	..	..	1	2	3	..
	5	6	7	8	9	10	11		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		18	19	20	21	22	23	24
	26	27	28	29	30	..	..		25	26	27	28	29	30	31
	..	..	..	..	..	1	2		..	..	..	..	..	..	..
MAY.	3	4	5	6	7	8	9	NOV.	1	2	3	4	5	6	7
	10	11	12	13	14	15	16		8	9	10	11	12	13	14
	17	18	19	20	21	22	23		15	16	17	18	19	20	21
	24	25	26	27	28	29	30		22	23	24	25	26	27	28
	..	..	..	..	..	..	..		29	30	..	..	..	..	..
JUNE.	..	1	2	3	4	5	6	DEC.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	..	..	..	..		27	28	29	30	31	..	..



## WEIGHTS AND MEASURES.

### MEASURE OF LENGTH.

4	In. make 1 Hand.	3	Feet make 1 Yard.
7.92	In. " 1 Link.	5½	Yds. " 1 Rod or Pole
18	In. " 1 Cubit.	40	Poles " 1 Furlong.
12	In. " 1 Foot.	8	Fur. " 1 Mile.
6	Ft. " 1 Fathom.	69 1-6	Miles make 1 Degree.
60 Geographical Miles make 1 Degree.			
1760 Yards } = 1 Mile.			
5280 Feet }			

### MEASURE OF SURFACE.

144	Square Inches make 1 Square Foot.
9	Square Feet " 1 Square Yard.
30¼	Square Yards " 1 Rod, Perch or Pole.
40	Square Rods " 1 Square Rood.
4	Square Roods " 1 Square Acre.
10	Square Chains " 1 Square Acre.
640	Square Acres " 1 Square Mile.
Gunter's Chain equal to 22 Yards or 100 Links.	
27¼	Square Feet make 1 Square Rod.
43,560	Square Feet " 1 Acre.

### MEASURE OF SOLIDITY.

1728	Cubic Inches make 1 Cubic Foot.
27	Cubic Feet " 1 Cubic Yard.

### AVOIRDUPOIS WEIGHT.

27½	Grains make 1 Drachm (dr.) or 27½ Grains.
16	Drachms " 1 Ounce (oz.) or 437½ "
16	Ounces " 1 Pound (lb.) or 7000 "
38	Pounds " 1 Quarter (qr.)
4	Quarters " 1 Hundred-Weight (cwt.)
20	Cwts. " 1 Ton.
2240	Pounds " 1 Ton.

### TROY WEIGHT.

24	Grains make 1 Pennyweight, or 24 Grains.
20	Pennywts. " 1 Ounce, or 480 "
12	Ounces " 1 Pound, or 5760 "

### APOTHECARIES' WEIGHT.

20	Grains make 1 Scruple.	8	Drachms make 1 Ounce.
3	Scruples " 1 Drachm.	12	Ounces " 1 Pound.

### DIAMOND WEIGHT.

16	Parts make 1 Grain (4-5ths Grain Troy.)
4	Grains " 1 Carat (3 1-5ths Grains Troy.)

### LIQUID MEASURE.

4	Gills make 1 Pint.	128	Gallons make 1 Barrel.
2	Pints " 1 Quart.	54	Gallons " 1 Hhd.
4	Quarts " 1 Gallon.	252	Gallons " 1 Tun.

### DRY MEASURE.

8	Quarts make 1 Peck.	8	Bushels make 1 Quarter.
4	Pecks " 1 Bushel.	36	Bushels " 1 Chaldron.
1 Bushel equal to 2150.42 cubic inches.			

## WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

STATES.	Barley.	Buckwheat.	Coal.	Corn, sh'd	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover S'd.	Timothy.
Maine .....	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
N. Hampshire. ....	..	..	..	56	50	..	..	30	60	56	60	..	60	..	..
Vermont.....	..	..	..	..	..	..	..	32	60	56	60	70	..	64	60
Massachusetts. ....	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut....	..	48	..	56	..	..	32	60	56	56	..	..	..	..	..
New York....	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey....	48	50	..	56	..	..	30	60	56	60	..	..	64	..	..
Pennsylvania..	47	48	..	56	..	..	30	56	56	60	85	..	62	..	..
Delaware.....	..	..	..	56	..	..	..	..	60	..	..	..	..	..	..
Maryland.....	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia.....	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia. ....	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina	48	50	..	54	46	..	30	..	56	60	..	..	64	..	..
South Carolina	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia.....	40	..	80	56	48	57	35	36	..	60	56	..	60	60	45
Louisiana.....	32	..	..	56	..	..	..	..	60	..	..	..	..	..	..
Arkansas.....	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee....	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky.....	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio.....	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan.....	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana.....	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois.....	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin.....	48	50	..	56	..	..	32	60	56	60	..	..	60	..	..
Minnesota....	48	42	..	56	..	..	32	60	56	60	..	..	60	..	..
Iowa.....	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri.....	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas.....	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska.....	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California.....	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon.....	49	42	..	56	..	..	36	60	50	60	..	..	60	..	..

# INTEREST TABLE.

## FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	14
3 "	0	0	0	0	0	0	0	0	0	0	3	33
5 "	0	0	0	0	0	0	0	0	0	0	5	50
10 "	0	0	0	0	0	0	0	0	0	0	10	100
1 Mo.	0	0	1	1	1	1	1	1	1	1	11	111
2 "	0	1	1	2	2	2	2	2	2	2	23	233
3 "	1	1	2	3	3	4	4	4	4	4	33	333
4 "	1	2	3	4	5	6	7	8	9	10	44	444
5 "	1	2	3	4	5	6	7	8	9	10	55	555
6 "	2	4	5	6	8	10	12	14	16	18	67	667
7 "	2	4	5	7	9	11	14	16	18	21	78	778
8 "	2	5	8	10	13	16	19	23	27	31	89	889
9 "	3	6	9	12	15	18	21	24	27	31	100	1000
10 "	3	6	10	13	16	20	23	27	31	35	111	1111
11 "	3	7	11	14	18	22	26	30	34	38	122	1222
1 Yr.	4	8	12	16	20	24	28	32	36	40	400	4000

## FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	14
3 "	0	0	0	0	0	0	0	0	0	0	1	42
5 "	0	0	0	0	0	0	0	0	0	0	1	69
10 "	0	0	0	0	0	0	0	0	0	0	1	139
1 Mo.	0	1	1	1	1	1	1	1	1	1	14	142
2 "	1	1	2	2	2	3	3	3	3	4	24	242
3 "	1	2	3	3	4	5	6	7	8	9	34	343
4 "	1	2	3	4	5	6	8	9	10	11	45	454
5 "	2	4	5	6	8	10	13	15	17	19	56	565
6 "	2	4	6	8	10	13	15	18	20	23	67	676
7 "	3	6	9	12	15	18	20	23	26	29	78	787
8 "	3	7	10	13	17	20	23	27	30	33	89	898
9 "	3	7	11	15	19	23	26	30	34	38	100	1000
10 "	4	8	13	17	21	25	29	33	38	42	111	1111
11 "	4	8	14	18	23	28	32	37	41	46	122	1222
1 Yr.	5	10	15	20	25	30	35	40	45	50	500	5000

## SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	12
3 "	0	0	0	0	0	0	0	0	0	0	2	50
5 "	0	0	0	0	0	0	0	0	0	0	2	83
10 "	0	0	0	0	0	0	0	0	0	0	2	167
1 Mo.	0	1	1	1	1	1	1	1	1	1	17	167
2 "	1	1	2	2	2	3	3	4	4	5	27	267
3 "	1	2	3	3	4	5	6	7	8	9	37	367
4 "	1	2	3	4	5	6	8	10	12	14	48	478
5 "	2	4	5	6	8	10	13	15	18	20	59	589
6 "	2	4	6	8	10	13	15	18	20	23	70	700
7 "	3	6	9	12	15	18	21	24	27	30	81	811
8 "	3	6	10	13	17	20	23	26	29	33	92	922
9 "	3	7	11	15	19	23	26	30	34	38	103	1033
10 "	4	8	13	17	21	25	29	33	38	42	114	1144
11 "	4	8	14	18	23	28	32	37	41	46	125	1255
1 Yr.	6	12	18	24	30	36	42	48	54	60	600	6000

# RATE OF INCOME ON STOCKS.

Purchased at the following prices, (par value being \$100), and bearing interest at the following rates.

Paid.	3%	4%	5%	6%	7%	8%	9%
\$50	6 00	8 00	10 00	12 00	14 00	16 00	18 00
55	5 45	7 27	9 09	10 90	12 72	14 55	16 36
60	5 00	6 67	8 33	10 00	11 66	13 33	15 00
65	4 62	6 15	7 69	9 23	10 76	12 30	13 85
70	4 28	5 71	7 14	8 57	10 00	11 42	12 85
75	4 00	5 33	6 66	8 00	9 33	10 66	12 00
80	3 75	5 00	6 25	7 50	8 75	10 00	11 25
85	3 53	4 70	5 88	7 05	8 23	9 41	10 58
90	3 33	4 44	5 55	6 66	7 77	8 88	10 00
91	3 30	4 40	5 49	6 59	7 69	8 79	9 89
92	3 25	4 34	5 43	6 52	7 60	8 70	9 78
93	3 23	4 30	5 38	6 45	7 53	8 60	9 68
94	3 19	4 26	5 32	6 38	7 45	8 51	9 57
95	3 15	4 21	5 26	6 31	7 36	8 42	9 47
96	3 13	4 17	5 21	6 25	7 29	8 33	9 38
97	3 09	4 12	5 15	6 18	7 22	8 25	9 28
98	3 06	4 08	5 10	6 12	7 14	8 16	9 18
99	3 03	4 04	5 05	6 06	7 07	8 08	9 09
101	2 97	3 99	4 95	5 94	6 93	7 92	8 91
102	2 94	3 92	4 90	5 88	6 86	7 84	8 82
103	2 91	3 88	4 85	5 83	6 80	7 77	8 74
104	2 88	3 85	4 81	5 77	6 73	7 69	8 65
105	2 86	3 80	4 76	5 71	6 66	7 61	8 57
106	2 83	3 77	4 72	5 66	6 60	7 55	8 49
107	2 80	3 74	4 67	5 61	6 54	7 48	8 41
108	2 78	3 70	4 63	5 56	6 48	7 41	8 33
109	2 75	3 67	4 59	5 50	6 42	7 34	8 26
110	2 72	3 63	4 54	5 45	6 36	7 27	8 18
115	2 60	3 48	4 34	5 21	6 08	6 95	7 83
120	2 50	3 33	4 16	5 00	5 83	6 66	7 50
130	2 30	3 07	3 84	4 61	5 38	6 15	6 92
140	2 14	2 86	3 57	4 28	5 00	5 71	6 43
150	2 00	2 67	3 33	4 00	4 66	5 33	6 00
160	1 88	2 50	3 12	3 75	4 38	5 00	5 62
170	.	.	.	3 53	4 12	4 70	5 29
180	.	.	.	3 33	3 88	4 44	5 00
190	.	.	.	3 10	3 68	4 21	4 74
200	.	.	.	3 00	3 50	4 00	4 50



## RATES OF POSTAGE.

**POSTAL CARDS,** 1 cent each, go without further charge to all parts of the United States and Canada. Cards for foreign countries (within the Postal Union) 2 cents each. *Postal Cards are unavailable with any writing or printing on the address side, except the direction, or with anything pasted upon or attached to them.*

**ALL LETTERS,** to all parts of the United States and Canada, 2 cents for each ounce or fraction thereof.

**LOCAL, OR "DROP" LETTERS,** that is, for the city or town where deposited, 2 cents where the carrier system is adopted, and 1 cent where there is no carrier system.

**FIRST CLASS.**—Letters and all other written matter, *whether sealed or unsealed*, and all other matter *sealed, mailed, sewed, tied, or fastened in any manner* so that it cannot be easily examined, 2 cents for each ounce or fraction thereof.

**SECOND CLASS.**—Only for publishers and news-agents; 1 cent per pound.

**NEWSPAPERS and Periodicals** (regular publications) can be mailed by the public at the rate of 1 cent for each 4 ounces or fraction thereof.

**THIRD CLASS.**—Printed matter, in *unsealed wrappers only* (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each 2 ounces or fraction thereof, *which must be fully prepaid.* This includes books, circulars, chromos, engravings, handbills, lithographs, music, pamphlets, proof-sheets and manuscript accompanying the same, reproductions by the electric pen, hektograph, metallograph, papyrograph, and, in short, any reproduction upon paper by any process *except handwriting and the copying press.* Limit of weight 4 lbs., except for a single book, which may weigh more.

**FOURTH CLASS.**—All mailable matter not included in the three preceding classes which is so prepared for mailing as to be *easily withdrawn from the wrapper* and examined, 1 cent per ounce or fraction thereof. Limit of weight, 4 lbs. Full prepayment compulsory.

**REFORWARDING.**—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional postage charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

**PERMISSIBLE WRITING.**—No writing is permitted on third or fourth class matter except as follows: The name and address of sender on the outside or inside of package, preceded by the word "from." On the wrapper may also be written the names and number of articles inclosed. The sender is further allowed to mark a word or passage in a book or paper to which he desires to call special attention. He may also write a simple inscription

## RATES OF POSTAGE. 2

or dedication upon the cover or blank leaves of a book or pamphlet. There may be attached to articles of merchandise, by tag or label, a mark, number, name, or letter for purpose of identification. Printed circulars may contain the written name of the sender, or of the addressee, and the date. Any other writing on third or fourth class matter will subject the package to letter rates of postage, and render the sender liable to a fine of ten dollars for each offense. Printed matter may be inclosed with fourth class matter, but the whole package is subject to the rate of 1 cent per ounce or fraction thereof.

## POSTAL NOTES.

Upon payment of a fee of 3 cents each, Postal Notes for any amount under Five Dollars may be purchased at any Money-order Office, payable to bearer at any time within three calendar months from the last day of the month during which it was issued; but payable *only* at such Money-order Office as the purchaser may select or at the office of issue.

## MONEY ORDERS.

For Orders not exceeding \$5	5 cents.
Exceeding \$5 and not exceeding \$10	8 "
" 10 " "	15 " 10 "
" 15 " "	30 " 15 "
" 30 " "	40 " 20 "
" 40 " "	50 " 25 "
" 50 " "	60 " 30 "
" 60 " "	70 " 35 "
" 70 " "	80 " 40 "
" 80 " "	100 " 45 "

When a larger sum than \$100 is required, additional Orders to make it up must be obtained.

## FOREIGN POSTAGE.

The rates for letters are for the half ounce or fraction thereof, and those for newspapers for 2 ounces or fraction thereof:—

To Great Britain and Ireland, France, Spain, all parts of Germany, including Austria, Denmark, Switzerland, Italy, Russia, Norway, Sweden, Turkey (European and Asiatic), Egypt, letters 5 cents, newspapers 1 cent for each 2 ounces or fraction thereof.

To Australia, letters, via San Francisco (except to New South Wales), 5 cents; via Brindisi, 15 cents; newspapers, via San Francisco, 2 cents; via Brindisi, 4 cents. China, letters, via San Francisco, 5 cents; via Brindisi, 15 cents; 4 cents for each paper not weighing over 4 ounces. British India, Italian mail, letters 5 cents, newspapers 1 cent for 2 ounces. Japan, letters, via San Francisco, 5 cents; newspapers 1 cent for 2 ounces.



## STANDARD TIME.

In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Times are given in STANDARD TIME.

To change to STANDARD TIME add or subtract the minutes as given below, according as they are marked *plus* or *minus*.

### Standard Time Divisions as adopted by the Railroads.

**EASTERN STANDARD**—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburg, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

**CENTRAL STANDARD**—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toiyah and Sanderson, Texas.

**MOUNTAIN STANDARD**—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

**PACIFIC STANDARD**—120th Meridian. West from "Mountain" limits to coast.

### Correction for the following Cities.

Eastern Standard. 75° Longitude.		Central Standard. 90° Longitude.	
Minutes.		Minutes.	
Bangor, Me. ....	25	Cleveland, Ohio ....	33
Augusta, Me. ....	21	Columbus, Ohio ....	28
Portland, Me. ....	19	Detroit, Mich. ....	23
Boston, Mass. ....	16	Toledo, Ohio. ....	26
Newport, R. I. ....	15	Dayton, Ohio ....	21
Providence, R. I. ....	14	Cincinnati, Ohio ....	22
Concord, N. H. ....	14	Louisville, Ky. ....	18
New London, Conn. ....	11	Indianapolis, Ind. ....	16
Springfield, Mass. ....	10	Chicago, Ill. ....	10
Montpelier, Vt. ....	10	Milwaukee, Wis. ....	8
Hartford, Conn. ....	9	Springfield, Ill. ....	2
Montreal, Que. ....	6	Memphis, Tenn. ....	0
Albany, N. Y. ....	5	New Orleans, La. ....	0
New York, N. Y. ....	4	St. Louis, Mo. ....	1
Utica, N. Y. ....	1	Rock Island, Ill. ....	3
Philadelphia, Pa. ....	1	Dubuque, Iowa ....	3
Syracuse, N. Y. ....	5	Burlington, Iowa ....	5
Baltimore, Md. ....	6	St. Paul, Minn. ....	12
Washington, D. C. ....	8	Des Moines, Iowa ....	11
Rochester, N. Y. ....	11	Kansas City, Mo. ....	18
Buffalo, N. Y. ....	16	Galveston, Texas ....	17
Pittsburg, Pa. ....	20	Omaha, Neb. ....	24

Mountain Standard. 105° Longitude.		Pacific Standard. 120° Longitude.	
Denver, Col. ....	0	Sacramento, Cal. ....	6
Salt Lake City, Utah, +	28	San Francisco, Cal. ....	10

## PRESIDENTS OF THE UNITED STATES.

NAMES.	Born.	Inaugurated.	Term of Office.	Dead.	Native of	Residence when elected.	Political Party.
1 GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2 JOHN ADAMS	Oct. 31, 1735	Mar. 4, 1797	"	July 4, 1826	Mass.	Mass.	Republican.
3 THOMAS JEFFERSON	April 2, 1743	"	"	July 4, 1826	Virginia.	Virginia.	"
4 JAMES MONROE	Mar. 18, 1758	"	"	June 28, 1836	"	"	"
5 JAMES MADISON	Mar. 16, 1751	"	"	June 28, 1836	Mass.	Tennessee.	Coalition.
6 JOHN QUINCY ADAMS	Jan. 11, 1767	"	"	Feb. 23, 1848	N. York.	N. York.	Democrat.
7 ANDREW JACKSON	Mar. 15, 1767	"	"	July 24, 1845	Ohio.	Ohio.	Whig.
8 MARTIN VAN BUREN	Dec. 5, 1782	"	"	April 4, 1862	Virginia.	Tennessee.	Democrat.
9 W. M. H. HARRISON	Feb. 9, 1773	"	"	Jan. 18, 1836	N. York.	Ohio.	Whig.
10 JOHN TYLER	Mar. 29, 1790	April 6, 1841	1 month.	Jan. 18, 1862	Tennessee.	Tennessee.	Democrat.
11 JAMES K. POLK	Nov. 2, 1795	Mar. 4, 1845	3 yrs. 11 mos.	June 15, 1849	Virginia.	Virginia.	Whig.
12 ZACHARY TAYLOR	Sept. 24, 1784	Mar. 4, 1849	1 year 4 mos.	July 9, 1850	Louisiana.	Louisiana.	Whig.
13 MILLARD FILLMORE	Feb. 7, 1800	July 9, 1850	1 year 8 mos.	Mar. 7, 1854	New York.	New York.	Democrat.
14 FRANKLIN PIERCE	Nov. 23, 1804	Mar. 4, 1853	4 years.	Oct. 8, 1868	N. Hamp.	N. Hamp.	Democrat.
15 JAMES BUCHANAN	Apr. 23, 1791	"	"	June 15, 1868	Penn.	Penn.	Republican.
16 ABRAHAM LINCOLN	Feb. 12, 1809	"	"	April 15, 1865	Kentucky.	Tennessee.	"
17 ANDREW JOHNSON	Dec. 29, 1808	Apr. 15, 1865	4 yrs. 10 mos.	July 31, 1885	N. Carolina.	Illinois.	"
18 ULYSSES S. GRANT	Apr. 27, 1822	Mar. 4, 1869	8 years.	July 23, 1885	Ohio.	Ohio.	"
19 RUTHERFORD B. HAYES	Oct. 4, 1824	Mar. 4, 1877	6 months.	Sept. 10, 1881	Vermont.	New York.	"
20 JAMES A. GARFIELD	Nov. 19, 1830	Mar. 4, 1881	3 yrs. 4 mos.	Nov. 19, 1881	New Jersey.	Indiana.	Democrat.
21 CHESTER A. ARTHUR	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 4 mos.	Nov. 18, 1886	Ohio.	Ohio.	Republican.
22 GROVER CLEVELAND	Mar. 18, 1837	Mar. 4, 1889	3 years.	"	"	"	"
23 BENJAMIN HARRISON	Aug. 29, 1833	"	"	"	"	"	"

## HELP! In case of Accidents.

**Drowning.** 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach), direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. **DON'T GIVE UP!** People have been saved after hours of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

**Burns and Scalds.** Cover with Cooking Soda and lay wet cloths over it. Whites of Eggs and Olive Oil. Olive or Linseed Oil, plain, or mixed with Chalk or Whiting.

**Lightning.** Dash cold water over a person struck.

**Sunstroke.** Loosen clothing. Get patient into shade and apply ice-cold water to head.

**Mad Dog or Snake Bite.** Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

**Venomous Insects Stings, &c.** Apply weak Ammonia, Oil, Salt Water, or Iodine.

**Fainting.** Place flat on back; allow fresh air and sprinkle with water.

**Tests of Death.** Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead the hole will remain, if alive it will close up.

**Cinders in the Eye.** Roll soft paper up like a lamp lighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the other eye.

**Fire in one's Clothing.** *Don't run*,—especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down, so as not to inhale flame.

**Fire in a Building.** Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. Don't get excited.

**Fire in Kerosene.** *Don't use water*, it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

## ANTIDOTES FOR POISONS.

**First.** Send for a Physician.

**Second.** INDUCE VOMITING, by tickling throat with feather or finger. Drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.

### SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC, OXALIC, } Soap-suds, Magnesia,  
ACETIC, SULPHURIC (Oil of Vit- } Lime-water.  
riol). NITRIC (Aqua Fortis).

Prussic Acid. } Ammonia in water. Dash water  
in face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYE. } Vinegar or Lemon juice in  
HARTSHORN. AMMONIA. } water.

Arsenic. } Milk, Raw Eggs, Sweet Oil, Lime-  
Rat Poison. } water, Flour and water.  
Paris Green. }

Bug Poison. }  
Lead. }  
Saltpetre. } Whites of Eggs or Milk in  
Corrosive Sublimat. } large doses.  
Sugar of Lead. }  
Blue Vitriol. }

Chloroform. } Dash cold water on head and chest.  
Chloral. } Artificial respiration. Piece of ice in  
Ether. } rectum.

Carbonate of Soda. } Soap-suds and mucilaginous  
Copperas. } drinks.  
Cobalt. }

Iodine. }  
Antimony. } Starch and water. Astringent infu-  
Tartar Emetic. } sions. Strong tea.

Mercury and ITS SALTS. } Whites of Eggs. Milk.  
Mucilages.

Nitrate of Silver. }  
Lunar Caustic. } Salt and water.

Opium. }  
Morphine. } Strong coffee, hot bath. Keep  
Laudanum. } awake and moving at any  
Paregoric. } cost.  
Soothing Powders }  
or Syrups. }





Strychnine. }  
Tinct. of Nux Vomica. } Mustard and water. Sul-  
phate of Zinc. Absolute  
quiet. Plug the ears.



## NEW WEATHER SIGNALS.






[Adopted for general use by the United States Signal Service on and after March 1, 1887.]

### INTERPRETATION OF SIGNALS.

No. 1. White Flag.	No. 2. Blue Flag.	No. 3. Black Triangular Flag.	No. 4. White Flag, Black Center.
			
Clear or Fair.	Rain or Snow.	Temperature.	Cold Wave.

No. 1, white flag, clear or fair weather, no rain. Number 2, blue flag, rain or snow. Number 3, black triangular flag, refers to temperature, and above numbers 1 or 2, indicates warmer weather; below numbers 1 or 2, colder weather, and when not displayed, stationary weather. Number 4, white flag with black center (cold-wave flag) sudden fall in temperature; this signal is usually ordered at least twenty-four hours in advance of the cold wave. It is not displayed unless a temperature of forty-five degrees, or less, is expected, nor is flag number 3 ever displayed with it.

### DISPLAY EXAMPLES.

			
Fair Weather, Colder.	Warmer, Rain or Snow.		Fair Weather, Cold Wave.
			
		Warmer, Fair Weather, fol- lowed by Rain or Snow.	

### TO FIND LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

## INTEREST LAWS OF ALL THE STATES.

STATES AND TERRITORIES.	PENALTY OF USURY.	Per cent.	Special.
Alabama .....	Loss of interest .....	8	
Arizona .....	No Penalty .....	10	No limit.
Arkansas .....	Forfeiture of principal & interest.	6	10 per ct.
California .....	No penalty .....	7	No limit.
Colorado .....	No penalty .....	10	No limit.
Connecticut .....	No penalty .....	6	6 per ct.
Dakota .....	Forfeiture of contract .....	7	12 per ct.
Delaware .....	Forfeiture of contract .....	6	6 per ct.
District of Col.	Forfeiture of all interest .....	6	10 per ct.
Florida .....	No penalty .....	8	No limit.
Georgia .....	Forfeiture of excess .....	7	8 per ct.
Idaho .....	Forfeiture of 3 times excess of int.	10	18 per ct.
Illinois .....	Forfeiture of all interest .....	6	8 per ct.
Indiana .....	Forfeiture of int. over 6 per cent.	6	8 per ct.
Iowa .....	Forfeiture of interest and costs.	6	10 per ct.
Kansas .....	Forfeiture of excess over 12 per cent.	7	12 per ct.
Kentucky .....	Forfeiture of excess .....	6	6 per ct.
Louisiana .....	Forfeiture of interest .....	5	8 per ct.
Maine .....	No penalty .....	6	No limit.
Maryland .....	Forfeiture of excess .....	6	6 per ct.
Massachusetts .....	No penalty—6 per ct. on judgments.	6	No limit.
Michigan .....	Forfeiture of excess .....	7	10 per ct.
Minnesota .....	Forfeiture of contract .....	7	10 per ct.
Mississippi .....	Forfeiture of all interest .....	6	10 per ct.
Missouri .....	Forfeiture of all interest .....	6	10 per ct.
Montana .....	No penalty .....	10	No limit.
Nebraska .....	Forfeiture of all interest & costs.	7	10 per ct.
Nevada .....	No penalty .....	10	No limit.
New Hampshire .....	Forfeiture of 3 times excess of int.	6	6 per ct.
New Jersey .....	Forfeiture of all interest .....	6	6 per ct.
New Mexico .....	No penalty .....	6	12 per ct.
New York .....	Forfeiture of contract.*	6	6 per ct.
North Carolina .....	Forfeiture of double amt of int.	6	8 per ct.
Ohio .....	Forfeiture of excess .....	6	8 per ct.
Oregon .....	Forfeiture of prin., int. & costs.	8	10 per ct.
Pennsylvania .....	Forfeiture of excess, Act of 1833.	6	6 per ct.
Rhode Island .....	Forfeiture, unless by contract.	6	No limit.
South Carolina .....	Forfeiture of interest .....	7	10 per ct.
Tennessee .....	Forfeiture of over 6 per cent.	6	6 per ct.
Texas .....	Forfeiture of interest .....	8	12 per ct.
Utah .....	No penalty .....	10	No limit.
Vermont .....	Forfeiture of excess .....	6	7 per ct.
Virginia .....	Forfeiture of excess .....	6	6 per ct.
Washington .....	No penalty .....	10	No limit.
West Virginia .....	Forfeiture of excess .....	6	6 per ct.
Wisconsin .....	Forfeiture of all interest .....	7	10 per ct.
Wyoming .....	No penalty .....	12	No limit.

\* Also punishable as a misdemeanor. Banks forfeit interest only, or double the interest if charged in advance.  
† Also 6 per cent. on judgments.



# VALUES IN UNITED STATES MONEY

OF THE

## PURE GOLD OR SILVER

REPRESENTING RESPECTIVELY THE MONETARY UNITS  
AND STANDARD COINS OF FOREIGN COUNTRIES.

"The first section of the Act of March 3, 1873, provides that the value of Foreign Coin, as expressed in the money of account of the United States, shall be that of the pure metal of such coin of standard value," and that "the values of the standard coins in circulation of the various nations of the world shall be estimated annually by the Director of the Mint, and be proclaimed on the first day of January by the Secretary of the Treasury."

The estimates of values contained in the following table are those made by the Director of the Mint, January 1st, 1890, in compliance with the above stated provisions of law.

COUNTRY.	MONETARY UNIT.	STANDARD.	VALUE.
			D. C. M.
Argentine Repub.	Peso .....	Gold & silv.	0 96 5
Austria .....	Florin .....	Silver .....	0 34 3
Belgium .....	Franc .....	Gold & silv.	0 19 3
Bolivia .....	Boliviano .....	Silver .....	0 69 8
Brazil .....	Milreis of 1000 reis.	Gold .....	0 54 6
British America .....	Dollar .....	Gold .....	1 0 0
Cent'l Am. States .....	Peso .....	Silver .....	0 69 8
Chili .....	Peso .....	Gold & silv.	0 91 2
China .....	Tael..	{ Shanghai..	1 3 1
		{ Haikwan..	1 14 8
		(Customs).	
Cuba .....	Peso .....	Gold & silv.	0 92 6
Denmark .....	Crown .....	Gold .....	0 26 8
Ecuador .....	Sucre .....	Silver .....	0 69 8
Egypt .....	Pound (100 piastres)	Gold .....	4 94 3
France .....	Franc .....	Gold & silv.	0 19 3
German Empire .....	Mark .....	Gold .....	0 23 8
Great Britain .....	Pound sterling .....	Gold .....	4 86 6
Greece .....	Drachma .....	Gold & silv.	0 19 3
Haiti .....	Gourde .....	Gold & silv.	0 66 5
India .....	Rupree of 16 annas.	Silver .....	0 33 2
Italy .....	Lira .....	Gold & silv.	0 19 3
Japan .....	Yen .....	Gold .....	0 99 7
Japan .....	Yen .....	Silver .....	0 75 2
Liberia .....	Dollar .....	Gold .....	1 0 0
Mexico .....	Dollar .....	Silver .....	0 75 8
Netherlands .....	Florin .....	Gold & silv.	0 40 2
Norway .....	Crown .....	Gold .....	0 26 8
Peru .....	Sol .....	Silver .....	0 69 8
Portugal .....	Milreis of 1000 reis.	Gold .....	1 8 0
Russia .....	Roub. of 100 cop'ks	Gold .....	0 55 8
Spain .....	Peseta of 100 centim.	Gold & silv.	0 19 3
Sweden .....	Crown .....	Gold .....	0 26 8
Switzerland .....	Franc .....	Gold & silv.	0 19 3
Tripoli .....	Mahbub of 20 piast'.	Silver .....	0 62 9
Turkey .....	Piastre .....	Gold .....	0 4 4
U. S. of Colombia .....	Peso .....	Silver .....	0 69 8
Venezuela .....	Bolivar .....	Silver .....	0 14 9

## BUSINESS LAW IN DAILY USE.

The following compilation of business law contains the essence of a large amount of legal verbiage:

If a note is lost or stolen, it does not release the maker; he must pay it, if the consideration for which it was given and the amount can be proven.

Notes bear interest only when so stated.

Principals are responsible for the acts of their agents.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

Ignorance of the law excuses no one.

The law compels no one to do impossibilities.

An agreement without consideration is void.

A note made on Sunday is void.

Contracts made on Sunday cannot be enforced.

A note by a minor is void.

A contract made with a minor is void.

A contract made with a lunatic is void.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

It is a fraud to conceal a fraud.

Signatures made with a lead pencil are good in law.

A receipt for money is not always conclusive.

The acts of one partner bind all the rest.

"Value received" is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder,) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

Checks or drafts should be presented during business hours, but in this country, except in case of banks, the time extends through the day and evening.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

If the time of payment of a note is not inserted, it is held payable on demand.

## FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Jan. 25
Quinquagesima—Shrove Sunday	Feb. 8
Ash Wednesday	Feb. 11
First Sunday in Lent	Feb. 15
St. Patrick	Mar. 17
Palm Sunday	Mar. 22
Good Friday	Mar. 27
Easter Sunday	Mar. 29
Low Sunday	April 5
Rogation Sunday	May 3
Ascension Day—Holy Thursday	May 7
Pentecost—Whit Sunday	May 17
Trinity Sunday	May 24
Corpus Christi	May 28
St. John Baptist	June 24
Michaelmas Day	Sept. 29
First Sunday in Advent	Nov. 29
St. Andrew	Nov. 30
Christmas Day	Dec. 25

## MORNING AND EVENING STARS.

MERCURY will be Morning Star about February 6, June 5, and September 23; and Evening Star about April 18, August 16, and December 11.

VENUS will be Morning Star till September 18; and Evening Star the rest of the year.

JUPITER will be Evening Star till February 13; then Morning Star till September 5; and Evening Star again the rest of the year.

## CHRONOLOGICAL CYCLES.

Dominical Letter	D
Eact	20
Lunar Cycle, or Golden Number	11
Solar Cycle	24
Roman Indiction	4
Julian Period	6604

## THE SEASONS.

	Eastern Standard.	Central Standard.
Vernal Equinox	Mar. 20, 4h. A.	Mar. 20, 3h. A.
Summer Solstice	June 21, 6h. A.	June 21, 11h. M.
Autumnal Equinox	Sept. 23, 3h. M.	Sept. 23, 2h. M.
Winter Solstice	Dec. 21, 10h. A.	Dec. 21, 9h. A.

	Mountain Standard.	Pacific Standard.
Vernal Equinox	Mar. 20, 2h. A.	Mar. 20, 1h. A.
Summer Solstice	June 21, 10h. M.	June 21, 9h. M.
Autumnal Equinox	Sept. 23, 1h. M.	Sept. 23, 12h. M.
Winter Solstice	Dec. 21, 8h. A.	Dec. 21, 7h. A.

## ECLIPSES FOR THE YEAR.

In the year 1891 there will be four Eclipses,—two of the Sun and two of the Moon; and a Transit of Mercury over the Sun's Disc.

I. A TOTAL ECLIPSE OF THE MOON, May 23. Invisible. Visible more or less to Europe, Asia, Africa, Australia, the western Pacific and south Atlantic Oceans.

II. AN ANNULAR ECLIPSE OF THE SUN, June 6. Visible to North America, as a partial Eclipse, north and west of a line drawn from the mouth of the St. Lawrence River, through Ottawa, Detroit, St. Louis, Dallas, (Tex.), and Sinaloa, (Mexico); to Europe, Siberia and the Arctic Ocean. Being annular in Siberia and adjacent Arctic Ocean. Occurring as follows:—

	Standard.	Begin.	End.	Digit. Eclipse.
Chicago	Central	9 8 M.	9 46 M.	Small.
St. Louis	"	9 8 M.	9 24 M.	Slight.
Omaha	"	8 41 M.	9 35 M.	"
St. Paul	"	8 45 M.	10 11 M.	2
Bismarck	Mountain	7 56 M.	9 18 M.	3
Denver	"	7 25 M.	8 50 M.	2
Salt Lake City	"	7 19 M.	8 58 M.	3

III. A TOTAL ECLIPSE OF THE MOON, November 15. Visible more or less to Europe, Asia, Africa, North and South America, Atlantic and eastern Pacific Oceans. Occurring as follows:—

	Eastern Standard.	Central Standard.	Mountain Standard.
Moon enters Penumbra	15 4 36 A.	Invisible.	Invisible.
Moon enters Shadow	15 5 35 A.	15 4 55 A.	Invisible.
Total Eclipse begins	15 6 27 A.	15 5 37 A.	15 4 37 A.
Middle of Eclipse	15 7 19 A.	15 6 19 A.	15 5 19 A.
Total Eclipse ends	15 8 1 A.	15 7 1 A.	15 6 1 A.
Moon leaves Shadow	15 9 3 A.	15 8 3 A.	15 7 3 A.
Moon leaves Penumbra	15 10 2 A.	15 9 2 A.	15 8 2 A.

First contact of shadow 55 degrees from north point of the Moon's limb toward the east.

Magnitude of Eclipse = 1.393, (Moon's diameter = 1).

IV. A PARTIAL ECLIPSE OF THE SUN, December 1. Invisible. Visible around the South Pole and the southern extremity of South America.

A TRANSIT OF MERCURY, May 9. Visible more or less to North America west of Maine and Quebec, Europe, Asia, eastern Africa, Australia and Pacific Ocean. Occurring as follows:—

	Ingress.
Eastern Standard	94. Ch. 54m. A.
Central Standard	94. Ch. 54m. A.
Mountain Standard	94. Ch. 54m. A.

Angle of contact at Ingress 64 degrees from the south point of the Sun's limb toward the east. Egress,—after sunset.



# TIDE TABLE

(The following values are derived from late determinations of the UNITED STATES COAST SURVEY.)

To find the time (Standard Time) of High Water at any of the following places, add or subtract the hours and minutes opposite the name of place in the following Table, to or from the hours and minutes of High Water at NEW YORK for the required day, as found in the *Calendar Page*.

EASTERN STANDARD.			Mean
	H.	M.	Feet.
Eastport, Me. ....	add	2 33	18.2
Bar Harbor, Me. ....	"	2 27	10.4
Portland, Me. ....	"	2 55	9.1
Portsmouth, N. H. ....	"	3 3	8.6
Isle of Shoals, N. H. ....	"	2 57	8.7
Newburyport, Mass. ....	"	3 16	7.5
Gloucester, Mass. ....	"	2 44	8.9
Nahant, Mass. ....	"	2 54	9.2
Plymouth, Mass. ....	"	2 50	9.4
Provincetown, Mass. ....	"	2 59	10.2
Nantucket, Mass. ....	"	3 0	9.2
Vineyard Haven, Mass. ....	"	4 15	3.0
Wood's Hole, North Side, Mass. ....	sub.	3 32	1.6
Wood's Hole, South Side, Mass. ....	add	0 14	1.6
New Bedford Entrance (Dumpling Rock), Mass. } ....	sub.	0 20	3.7
Newport, R. I. ....	"	0 33	3.9
Point Judith, R. I. ....	"	0 45	3.1
Sandy Hook, N. J. ....	"	0 32	4.7
Watch Hill, R. I. ....	add	0 44	2.7
Stonington, Conn. ....	"	0 52	2.7
New London, Conn. ....	"	1 14	2.6
New Haven, Conn. ....	"	2 57	6.0
Bridgeport, Conn. ....	"	3 1	6.5
Montauk Point, L. I. ....	"	0 4	1.9
Throg's Neck, N. Y. ....	"	3 12	7.3
Cape May Landing, N. J. ....	"	0 16	4.8
Newcastle, Del. ....	"	3 52	6.5
Philadelphia, Penn. ....	"	5 36	6.0
Annapolis, Md. ....	sub.	3 19	0.9
Baltimore, Md. ....	"	1 24	1.3
Richmond, Va. ....	"	3 25	3.6
Hatteras Inlet, N. C. ....	"	0 50	2.0
Beaufort, N. C. ....	"	0 35	2.8
Charleston (C. H. Wharf), S. C. ....	"	0 19	5.1
CENTRAL STANDARD.			
Fort Pulaski (Savannah Ent.), Ga. ....	"	1 21	6.9
Savannah (Dry Dock Wharf), Ga. ....	"	0 26	6.5
St. Augustine, Fla. ....	"	0 17	4.2
Key West, Fla. ....	add	0 26	1.2
Tampa Bay (Egmont Key), Fla. ....	"	2 49	1.4
Cedar Keys (Depot Key), Fla. ....	"	4 52	2.6



MOON'S PHASES. (In Standard Time.)				BOSTON. And Eastern Division.		CHICAGO. And Central Division.	
LAST QUARTER . . .				3d.	5h. 12m. M.	3d.	4h. 12m. M.
NEW MOON.....				10d.	10h. 24m. M.	10d.	9h. 24m. M.
FIRST QUARTER...				17d.	1h. 17m. M.	17d.	0h. 17m. M.
FULL MOON.....				24d.	7h. 25m. A.	24d.	6h. 25m. A.

BOSTON & CHICAGO.				BOST.	N. YORK & PHILA.		N. Y.			
D.	M.	Day of Wk.	Local Mean Time. SUN R.&S.	MOON R.&S.	TIDE Stand- ard Time.	D.	M.	Local Mean Time. SUN R.&S.	MOON R.&S.	TIDE Stand- ard Time.
1	Th.	7	30	10 52	3 13	1	7	25	10 53	0 11
2	Fr.	8	39	11 53	3 54	2	8	44	11 53	0 53
3	Sa.	9	30	morn	4 39	3	9	25	morn	1 37
4	S	10	40	0 54	5 27	4	10	46	0 53	2 25
5	Mo.	11	30	1 59	6 20	5	11	25	1 57	3 17
6	Tu.	12	43	3 7	7 15	6	12	48	3 4	4 12
7	We.	13	30	4 17	8 13	7	13	25	4 12	5 11
8	Th.	14	45	5 29	9 12	8	14	50	5 24	6 11
9	Fr.	15	29	6 39	10 12	9	15	24	6 33	7 8
10	Sa.	16	47	sets.	11 8	10	16	52	sets.	8 3
11	S	17	28	6 3	.....	11	17	24	6 8	8 58
12	Mo.	18	49	7 22	0 27	12	18	54	7 26	9 52
13	Tu.	19	28	8 41	1 20	13	19	23	8 44	10 41
14	We.	20	51	9 58	2 11	14	20	56	9 59	11 30
15	Th.	21	27	11 11	2 59	15	21	22	11 11	.....
16	Fr.	22	53	morn	3 48	16	22	58	morn	0 47
17	Sa.	23	26	0 21	4 41	17	23	51	0 20	1 40
18	S	24	56	1 31	5 37	18	24	5	1 28	2 35
19	Mo.	25	23	2 40	6 35	19	25	20	2 36	3 32
20	Tu.	26	58	3 47	7 35	20	26	3	3 42	4 31
21	We.	27	24	4 52	8 33	21	27	19	4 46	5 30
22	Th.	28	1	5 51	9 27	22	28	6	5 45	6 25
23	Fr.	29	22	6 43	10 17	23	29	18	6 37	7 14
24	Sa.	30	5	rises.	11 3	24	30	8	rises.	7 57
25	S	31	21	5 40	11 45	25	31	17	5 45	8 41
26	Mo.	1	5	6 42	0 5	26	1	10	6 46	9 23
27	Tu.	2	19	7 43	0 43	27	2	15	7 46	10 0
28	We.	3	8	8 43	1 21	28	3	12	8 45	10 35
29	Th.	4	17	9 43	1 58	29	4	13	9 43	11 10
30	Fr.	5	12	10 44	2 34	30	5	15	10 43	11 50
31	Sa.	6	15	11 46	3 12	31	6	11	11 44	0 10





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	1d. 11h. 42m. A.	1d. 10h. 42m. A.
NEW MOON .....	8d. 9h. 12m. A.	8d. 8h. 12m. A.
FIRST QUARTER...	15d. 1h. 29m. A.	15d. 0h. 29m. A.
FULL MOON .....	23d. 2h. 18m. A.	23d. 1h. 18m. A.

BOSTON & CHICAGO.				BOST. N. YORK & PHILA.				N. Y.			
D. of M.	Day of Wk.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.	
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.
1	S	7 14	morn	3 54	1	7 10	morn	0 52	1	7 14	morn
2	Mo.	8 15	0 50	4 42	2	8 15	0 47	1 41	2	8 15	0 54
3	Tu.	9 12	1 57	5 37	3	9 7	1 53	2 35	3	9 12	1 57
4	We.	10 18	3 6	6 39	4	10 18	3 3	3 30	4	10 18	3 6
5	Th.	11 4	4 15	7 46	5	11 4	4 9	4 42	5	11 4	4 15
6	Fr.	12 20	5 21	8 53	6	12 20	5 15	5 50	6	12 20	5 21
7	Sa.	1 8	6 21	9 57	7	1 8	6 15	6 54	7	1 8	6 21
8	S	2 23	sets.	10 55	8	2 23	sets.	7 49	8	2 23	sets.
9	Mo.	3 6	6 14	11 46	9	3 6	6 17	8 42	9	3 6	6 14
10	Tu.	4 26	7 34	0 10	10	4 26	7 36	9 34	10	4 26	7 34
11	We.	5 2	8 51	1 0	11	5 2	8 51	10 20	11	5 2	8 51
12	Th.	6 28	10 6	1 46	12	6 28	10 5	11 3	12	6 28	10 6
13	Fr.	7 0	11 20	2 31	13	7 0	11 18	11 51	13	7 0	11 20
14	Sa.	8 31	morn	3 18	14	8 31	morn	0 16	14	8 31	morn
15	S	9 58	0 31	4 9	15	9 58	0 27	1 8	15	9 58	0 31
16	Mo.	10 33	1 40	5 16	16	10 33	1 35	2 3	16	10 33	1 40
17	Tu.	11 55	2 46	6 7	17	11 55	2 41	3 5	17	11 55	2 46
18	We.	12 36	3 47	7 10	18	12 36	3 41	4 7	18	12 36	3 47
19	Th.	1 52	4 41	8 10	19	1 52	4 35	5 7	19	1 52	4 41
20	Fr.	3 38	5 28	9 6	20	3 38	5 22	6 6	20	3 38	5 28
21	Sa.	4 49	6 7	9 55	21	4 49	6 2	6 53	21	4 49	6 7
22	S	5 41	6 39	10 41	22	5 41	6 35	7 36	22	5 41	6 39
23	Mo.	6 46	rises.	11 19	23	6 46	rises.	8 13	23	6 46	rises.
24	Tu.	7 43	6 36	11 54	24	7 43	6 38	8 52	24	7 43	6 36
25	We.	8 43	7 36	0 11	25	8 43	7 37	9 28	25	8 43	7 36
26	Th.	9 46	8 37	0 47	26	9 46	8 37	10 3	26	9 46	8 37
27	Fr.	10 39	9 38	1 22	27	10 39	9 36	10 35	27	10 39	9 38
28	Sa.	11 48	10 41	1 59	28	11 48	10 38	11 12	28	11 48	10 41
29	S	12 48	11 41	2 28	29	12 48	11 35	11 41	29	12 48	11 41
30	Mo.	1 48	12 41	3 0	30	1 48	12 32	12 41	30	1 48	12 41
31	Tu.	2 48	1 41	3 37	31	2 48	1 35	1 41	31	2 48	1 41



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	3d. 2h. 37m. A.	3d. 1h. 37m. A.
NEW MOON .....	10d. 6h. 51m. M.	10d. 5h. 51m. M.
FIRST QUARTER...	17d. 4h. 10m. M.	17d. 3h. 10m. M.
FULL MOON .....	25d. 8h. 12m. M.	25d. 7h. 12m. M.

BOSTON & CHICAGO.				BOST. N. YORK & PHILA.				N. Y.			
D. of M.	Day of Wk.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.	
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.
1	S	7 36	11 46	2 37	1	7 36	11 42	11 54	1	7 36	11 46
2	Mo.	8 51	morn	3 19	2	8 51	morn	0 17	2	8 51	morn
3	Tu.	9 33	0 53	4 8	3	9 33	0 48	1 7	3	9 33	0 53
4	We.	10 53	2 1	5 7	4	10 53	1 55	2 6	4	10 53	2 1
5	Th.	11 30	3 6	6 16	5	11 30	3 0	3 14	5	11 30	3 6
6	Fr.	12 56	4 6	7 28	6	12 56	4 0	4 25	6	12 56	4 6
7	Sa.	1 27	4 58	8 38	7	1 27	4 52	5 35	7	1 27	4 58
8	S	2 58	5 42	9 41	8	2 58	5 37	6 38	8	2 58	5 42
9	Mo.	3 23	6 19	10 37	9	3 23	6 16	7 32	9	3 23	6 19
10	Tu.	4 0	sets.	11 25	10	4 0	sets.	8 20	10	4 0	sets.
11	We.	5 19	7 42	11 19	11	5 19	7 42	9 8	11	5 19	7 42
12	Th.	6 3	8 57	0 33	12	6 3	8 55	9 53	12	6 3	8 57
13	Fr.	7 16	10 12	1 17	13	7 16	10 9	10 35	13	7 16	10 12
14	Sa.	8 51	11 26	2 3	14	8 51	11 22	11 21	14	8 51	11 26
15	S	9 13	morn	2 49	15	9 13	morn	...	15	9 13	morn
16	Mo.	10 36	0 36	3 41	16	10 36	0 31	0 40	16	10 36	0 36
17	Tu.	11 40	1 40	4 38	17	11 40	1 34	1 37	17	11 40	1 40
18	We.	12 37	2 37	5 41	18	12 37	2 31	2 39	18	12 37	2 37
19	Th.	1 36	3 26	6 45	19	1 36	3 20	3 42	19	1 36	3 26
20	Fr.	2 12	4 8	7 45	20	2 12	4 2	4 42	20	2 12	4 8
21	Sa.	3 43	4 43	8 39	21	3 43	4 38	5 37	21	3 43	4 43
22	S	4 51	5 12	9 27	22	4 51	5 8	6 25	22	4 51	5 12
23	Mo.	5 19	5 36	10 10	23	5 19	5 33	7 7	23	5 19	5 36
24	Tu.	6 16	5 59	10 47	24	6 16	5 57	7 42	24	6 16	5 59
25	We.	7 55	rises.	11 22	25	7 55	rises.	8 16	25	7 55	rises.
26	Th.	8 19	7 31	11 56	26	8 19	7 30	8 54	26	8 19	7 31
27	Fr.	9 21	8 34	0 13	27	9 21	8 32	9 30	27	9 21	8 34
28	Sa.	10 21	9 39	0 49	28	10 21	9 36	10 6	28	10 21	9 39
29	S	11 48	10 45	1 28	29	11 48	10 40	10 43	29	11 48	10 45
30	Mo.	12 23	11 52	2 9	30	12 23	11 47	11 26	30	12 23	11 52
31	Tu.	1 45	morn	2 55	31	1 45	morn	...	31	1 45	morn



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.		CHICAGO. And Central Division.	
	2d.	1h. 30m. M.	2d.	oh. 30m. M.
LAST QUARTER...	2d.	1h. 30m. M.	2d.	oh. 30m. M.
NEW MOON.....	8d.	3h. 57m. A.	8d.	2h. 57m. A.
FIRST QUARTER...	15d.	8h. 40m. A.	15d.	7h. 40m. A.
FULL MOON.....	24d.	oh. 5m. M.	23d.	11h. 5m. A.

BOSTON & CHICAGO.				BOST. TIDE.	N. YORK & PHILA.				N. Y. TIDE.
D. of M.	Day of Wk.	Local Mean Time.		Standard Time.	D. of M.	Local Mean Time.		Standard Time.	D. of M.
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.		
1	WE.	5 43	0 57	3 49	1	5 44	0 51	0 48	
2	Th.	5 26	1 58	4 53	2	5 25	1 52	1 51	
3	FR.	5 40	2 52	6 3	3	5 41	2 46	3 1	
4	SA.	5 29	3 37	7 16	4	5 27	3 32	4 12	
5	S.	5 36	4 15	8 22	5	5 38	4 11	5 18	
6	Mo.	5 31	4 47	9 21	6	5 29	4 44	6 18	
7	Tu.	5 33	5 16	10 14	7	5 35	5 15	7 11	
8	We.	5 33	sets.	11 0	8	5 32	sets.	7 54	
9	Th.	5 30	7 45	11 43	9	5 31	7 43	8 39	
10	FR.	5 36	9 2	0 5	10	5 34	8 58	9 26	
11	SA.	5 26	10 16	0 50	11	5 28	10 11	10 10	
12	S.	5 38	11 26	1 36	12	5 36	11 20	10 55	
13	Mo.	5 23	morn	2 26	13	5 25	morn	11 47	
14	Tu.	5 40	0 29	3 17	14	5 38	0 23	0 15	
15	We.	5 20	1 23	4 13	15	5 22	1 17	1 12	
16	Th.	5 42	2 7	5 14	16	5 40	2 1	2 12	
17	FR.	5 16	2 44	6 14	17	5 19	2 39	3 12	
18	SA.	5 44	3 15	7 11	18	5 42	3 11	4 8	
19	S.	5 13	3 41	8 2	19	5 16	3 38	4 59	
20	Mo.	5 47	4 4	8 49	20	5 44	4 2	5 46	
21	Tu.	5 10	4 25	9 31	21	5 13	4 24	6 29	
22	We.	5 49	4 45	10 11	22	5 46	4 45	7 8	
23	Th.	5 7	5 7	10 48	23	5 10	5 8	7 43	
24	FR.	5 51	rises.	11 24	24	5 48	rises.	8 18	
25	SA.	5 4	8 37	.....	25	5 7	8 33	8 59	
26	S.	5 53	9 45	0 22	26	5 50	9 40	9 41	
27	Mo.	5 1	10 52	1 4	27	5 4	10 46	10 24	
28	Tu.	5 56	11 54	1 52	28	5 52	11 48	11 11	
29	We.	5 59	morn	2 43	29	5 2	morn	.....	
30	Th.	5 58	0 49	3 39	30	5 54	0 43	0 39	



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.		CHICAGO. And Central Division.	
	1d.	8h. 51m. M.	1d.	7h. 51m. M.
LAST QUARTER...	1d.	8h. 51m. M.	1d.	7h. 51m. M.
NEW MOON.....	8d.	1h. 15m. M.	8d.	oh. 15m. M.
FIRST QUARTER...	15d.	2h. 4m. A.	15d.	1h. 4m. A.
FULL MOON.....	23d.	1h. 26m. A.	23d.	oh. 26m. A.
LAST QUARTER...	30d.	1h. 54m. A.	30d.	oh. 54m. A.

BOSTON & CHICAGO.				BOST. TIDE.		N. YORK & PHILA.				N. Y. TIDE.	
D. of M.	Day of Wk.	Local Mean Time.		Stand-ard Time.	TIDE.	D. of M.	Day of Wk.	Local Mean Time.		Stand-ard Time.	TIDE.
		SUN R.&S.	MOON R.&S.					SUN R.&S.	MOON R.&S.		
1	Fr.	5 56	1 37	4 44		1	5 59	1 32	1 42		
2	Sa.	5 7	0 2 16	5 51		2	5 57	2 12	2 42		
3	S	5 53	2 48	6 57		3	5 57	2 45	3 55		
4	Mo.	5 7	2 3 16	8 0		4	5 59	3 14	4 57		
5	Tu.	5 50	3 42	8 56		5	5 54	3 42	5 54		
6	We.	5 7	4 8	9 46		6	5 7	4 9	6 43		
7	Th.	5 48	4 35	10 34		7	5 52	4 37	7 30		
8	Fr.	5 7	sets.	11 20		8	5 7	sets.	8 15		
9	Sa.	5 45	9 5	.....		9	5 49	9 0	9 1		
10	S	5 7	10 12	0 27		10	5 7	10 6	9 49		
11	Mo.	5 43	11 12	1 15		11	5 47	11 6	10 35		
12	Tu.	5 11	morn	2 5		12	5 7	11 57	11 25		
13	We.	5 41	0 3	2 55		13	5 45	morn	.....		
14	Th.	5 13	0 44	3 40		14	5 7	0 38	0 45		
15	Fr.	5 39	1 17	4 39		15	5 43	1 12	1 38		
16	Sa.	5 15	1 44	5 33		16	5 11	1 40	2 31		
17	S	5 37	2 8	6 25		17	5 41	2 5	3 23		
18	Mo.	5 17	2 30	7 16		18	5 13	2 29	4 13		
19	Tu.	5 35	2 51	8 2		19	5 40	2 51	4 59		
20	We.	5 19	3 11	8 48		20	5 14	3 12	5 45		
21	Th.	5 33	3 33	9 30		21	5 38	3 35	6 28		
22	Fr.	5 21	3 57	10 14		22	5 16	4 0	7 11		
23	Sa.	5 31	rises.	10 56		23	5 36	rises.	7 50		
24	S	5 23	8 41	11 39		24	5 18	8 35	8 35		
25	Mo.	5 40	9 47	0 25		25	5 35	9 41	9 24		
26	Tu.	5 25	10 46	0 49		26	5 26	10 40	10 12		
27	We.	5 29	11 37	1 42		27	5 34	11 31	11 3		
28	Th.	5 27	morn	2 36		28	5 21	morn	.....		
29	Fr.	5 27	0 18	3 31		29	5 33	0 13	0 29		
30	Sa.	5 28	0 52	4 30		30	5 23	0 48	1 29		
31	S	5 26	1 21	5 32		31	5 32	1 19	2 30		





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	6d. 11h. 26m. M.	6d. 10h. 26m. M.
FIRST QUARTER...	14d. 7h. 34m. M.	14d. 6h. 34m. M.
FULL MOON.....	22d. 0h. 12m. M.	21d. 11h. 12m. A.
LAST QUARTER....	28d. 6h. 16m. A.	28d. 5h. 16m. A.

BOSTON & CHICAGO.				BOST. TIDE.		N. YORK & PHILA.			N. Y. TIDE.	
D. of M.	Day of Wk.	Local Mean Time.		Standard Time.	TIDE.	D. of M.	Local Mean Time.		Standard Time.	TIDE.
		SUN R.&S.	MOON R.&S.				SUN R.&S.	MOON R.&S.		
1 Mo.	74 26	1 47	6 32	1 74 31	1 46	3 30				
2 Tu.	77 30	2 11	7 31	2 77 25	2 11	4 27				
3 We.	74 25	2 36	8 26	3 74 30	2 38	5 23				
4 Th.	77 32	3 3	9 19	4 77 27	3 6	6 17				
5 Fr.	74 24	3 35	10 11	5 74 29	3 39	7 8				
6 Sa.	77 33	sets.	10 59	6 77 28	sets.	7 53				
7 S.	74 23	8 58	11 45	7 74 29	8 52	8 41				
8 Mo.	77 35	9 53	0 9	8 77 29	9 47	9 31				
9 Tu.	74 23	10 38	0 56	9 74 28	10 32	10 17				
10 We.	77 36	11 15	1 44	10 77 30	11 10	11 1				
11 Th.	74 22	11 45	2 29	11 74 28	11 41	11 48				
12 Fr.	77 37	morn	3 14	12 77 31	morn	0 12				
13 Sa.	74 22	0 10	3 59	13 74 28	0 7	0 58				
14 S.	77 38	0 32	4 45	14 77 32	0 30	1 44				
15 Mo.	74 22	0 53	5 34	15 74 28	0 52	2 32				
16 Tu.	77 38	1 14	6 22	16 77 33	1 14	3 20				
17 We.	74 22	1 35	7 12	17 74 28	1 37	4 9				
18 Th.	77 39	1 58	8 1	18 77 33	2 1	4 58				
19 Fr.	74 23	2 24	8 52	19 74 28	2 28	5 49				
20 Sa.	77 40	2 56	9 42	20 77 34	3 1	6 40				
21 S.	74 23	3 36	10 34	21 74 29	3 42	7 29				
22 Mo.	77 40	rises.	11 24	22 77 34	rises.	8 18				
23 Tu.	74 23	9 31	.....	23 74 29	9 25	9 13				
24 We.	77 40	10 16	0 40	24 77 35	10 11	10 4				
25 Th.	74 24	10 54	1 33	25 74 30	10 50	10 53				
26 Fr.	77 40	11 25	2 24	26 77 35	11 22	11 46				
27 Sa.	74 25	11 51	3 15	27 74 30	11 50	0 13				
28 S.	77 40	morn	4 8	28 77 35	morn	1 7				
29 Mo.	74 25	0 15	5 3	29 74 31	0 15	2 2				
30 Tu.	77 40	0 40	6 1	30 77 35	0 41	2 59				
31	.....	.....	.....	.....	.....	.....				



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	5d. 10h. 58m. A.	5d. 9h. 58m. A.
FIRST QUARTER...	14d. 0h. 29m. M.	13d. 11h. 29m. A.
FULL MOON.....	21d. 8h. 54m. M.	21d. 7h. 54m. M.
LAST QUARTER....	27d. 11h. 32m. A.	27d. 10h. 32m. A.

BOSTON & CHICAGO.				BOST. TIDE.		N. YORK & PHILA.			N. Y. TIDE.	
D. of M.	Day of Wk.	Local Mean Time.		Standard Time.	TIDE.	D. of M.	Local Mean Time.		Standard Time.	TIDE.
		SUN R.&S.	MOON R.&S.				SUN R.&S.	MOON R.&S.		
1 We.	74 26	1 7	7 0	1 74 32	1 10	3 58				
2 Th.	77 40	1 36	8 0	2 77 35	1 40	4 57				
3 Fr.	74 27	2 10	8 57	3 74 33	2 15	5 54				
4 Sa.	77 40	2 50	9 51	4 77 34	2 56	6 49				
5 S.	74 29	3 37	10 42	5 74 34	3 43	7 37				
6 Mo.	77 40	sets.	11 30	6 77 34	sets.	8 24				
7 Tu.	74 30	9 13	.....	7 74 36	9 8	9 12				
8 We.	77 39	9 45	0 36	8 77 33	9 41	9 56				
9 Th.	74 31	10 12	1 19	9 74 37	10 9	10 35				
10 Fr.	77 38	10 36	2 0	10 77 32	10 34	11 14				
11 Sa.	74 33	10 57	2 38	11 74 38	10 56	11 54				
12 S.	77 37	11 17	3 17	12 77 32	11 17	0 15				
13 Mo.	74 34	11 37	3 58	13 74 40	11 38	0 57				
14 Tu.	77 36	11 59	4 42	14 77 31	morn	1 41				
15 We.	74 36	morn	5 31	15 74 41	0 1	2 29				
16 Th.	77 35	0 23	6 22	16 77 29	0 26	3 20				
17 Fr.	74 37	0 52	7 20	17 74 43	0 56	4 17				
18 Sa.	77 34	1 28	8 20	18 77 28	1 33	5 16				
19 S.	74 39	2 13	9 19	19 74 44	2 19	6 17				
20 Mo.	77 32	3 9	10 17	20 77 27	3 15	7 14				
21 Tu.	74 41	rises.	11 12	21 74 46	rises.	8 6				
22 We.	77 30	8 51	.....	22 77 2	8 47	9 1				
23 Th.	74 43	9 24	0 28	23 74 48	9 21	9 51				
24 Fr.	77 29	9 53	1 18	24 77 23	9 51	10 37				
25 Sa.	74 45	10 20	2 6	25 74 49	10 20	11 24				
26 S.	77 27	10 45	2 52	26 77 22	10 46	.....				
27 Mo.	74 47	11 10	3 41	27 74 51	11 12	0 39				
28 Tu.	77 25	11 38	4 33	28 77 20	11 42	1 32				
29 We.	74 49	morn	5 32	29 74 5	morn	2 30				
30 Th.	77 23	0 10	6 34	30 77 18	0 15	3 32				
31 Fr.	74 51	0 48	7 37	31 74 55	0 54	4 34				





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON .....	4d. 0h. 12m. A.	4d. 11h. 12m. M.
FIRST QUARTER ..	12d. 4h. 12m. A.	12d. 3h. 12m. A.
FULL MOON .....	19d. 4h. 28m. A.	19d. 3h. 28m. A.
LAST QUARTER ...	26d. 7h. 0m. M.	26d. 6h. 0m. M.

BOSTON & CHICAGO.				BOST.		N. YORK & PHILA.		N. Y.	
D. of M.	Day of Wk.	Local Mean Time.	MOON'S R. & S.	Standard Time.	TIDE.	D. of M.	Day of Wk.	Local Mean Time.	Standard Time.
1	SA.	74 52	1 33	8 38		1	74 56	1 39	5 35
2	S	77 19	2 25	9 35		2	77 15	2 31	6 33
3	MO.	74 54	3 23	10 26		3	74 58	3 29	7 23
4	TU.	77 16	sets.	11 12		4	77 12	sets.	8 6
5	WE.	74 56	8 15	11 51		5	75 0	8 11	8 48
6	TH.	77 14	8 39	0 10		6	77 10	8 36	9 28
7	FR.	74 58	9 1	0 49		7	75 2	8 59	10 4
8	SA.	77 11	9 22	1 25		8	77 8	9 22	10 38
9	S	75 0	9 42	2 1		9	75 4	9 43	11 13
10	MO.	77 8	10 2	2 37		10	77 5	10 4	11 52
11	TU.	75 2	10 24	3 14		11	75 5	10 27	0 12
12	WE.	77 6	10 50	3 55		12	77 2	10 54	0 54
13	TH.	75 4	11 22	4 45		13	75 7	11 27	1 44
14	FR.	77 3	morn.	5 43		14	77 0	morn.	2 41
15	SA.	75 6	0 2	6 47		15	75 9	0 8	3 44
16	S	77 0	0 52	7 55		16	77 57	0 58	4 51
17	MO.	75 8	1 53	9 0		17	75 11	1 59	5 58
18	TU.	76 57	3 6	10 2		18	76 54	3 12	7 0
19	WE.	75 11	rises.	10 58		19	75 13	rises.	7 52
20	TH.	76 54	7 52	11 46		20	76 51	7 50	8 43
21	FR.	75 13	8 19	0 9		21	75 15	8 18	9 31
22	SA.	76 51	8 45	0 56		22	76 48	8 46	10 16
23	S	75 15	9 11	1 42		23	75 17	9 13	10 58
24	MO.	76 48	9 39	2 27		24	76 45	9 41	11 47
25	TU.	75 17	10 10	3 14		25	75 19	10 14	0 13
26	WE.	76 44	10 47	4 7		26	76 42	10 52	1 6
27	TH.	75 19	11 30	5 9		27	75 21	11 36	2 7
28	FR.	76 41	morn.	6 14		28	76 39	morn.	3 12
29	SA.	75 21	0 20	7 19		29	75 23	0 26	4 16
30	S	76 38	1 17	8 21		30	76 36	1 23	5 18
31	MO.	75 23	2 18	9 17		31	75 25	2 24	6 15



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON .....	3d. 3h. 16m. M.	3d. 2h. 16m. M.
FIRST QUARTER ..	11d. 6h. 7m. M.	11d. 5h. 7m. M.
FULL MOON .....	18d. 0h. 4m. M.	17d. 11h. 4m. A.
LAST QUARTER ...	24d. 6h. 7m. A.	24d. 5h. 7m. A.

BOSTON & CHICAGO.				BOST.		N. YORK & PHILA.		N. Y.	
D. of M.	Day of Wk.	Local Mean Time.	MOON'S R. & S.	Standard Time.	TIDE.	D. of M.	Day of Wk.	Local Mean Time.	Standard Time.
1	TU.	75 24	3 21	10 5		1	75 26	3 26	7 2
2	WE.	76 33	4 24	10 47		2	76 31	4 28	7 41
3	TH.	75 26	sets.	11 24		3	75 28	sets.	8 18
4	FR.	76 20	7 26	11 58		4	76 28	7 25	8 55
5	SA.	75 28	7 46	0 15		5	75 30	7 40	9 30
6	S	76 26	8 6	0 49		6	76 25	8 7	10 4
7	MO.	75 30	8 28	1 23		7	75 32	8 31	10 37
8	TU.	76 23	8 52	2 0		8	76 21	8 56	11 13
9	WE.	75 33	9 20	2 38		9	75 34	9 25	11 56
10	TH.	76 19	9 55	3 22		10	76 18	10 1	0 20
11	FR.	75 35	10 30	4 13		11	75 36	10 45	1 12
12	SA.	76 16	11 35	5 15		12	76 15	11 41	2 13
13	S	75 37	morn.	6 25		13	75 38	morn.	3 23
14	MO.	76 12	0 41	7 36		14	76 11	0 47	4 32
15	TU.	75 39	1 55	8 43		15	75 40	2 0	5 41
16	WE.	76 9	3 14	9 44		16	76 8	3 18	6 42
17	TH.	75 41	4 35	10 37		17	75 42	4 38	7 33
18	FR.	76 5	rises.	11 24		18	76 5	rises.	8 18
19	SA.	75 43	7 12	....		19	75 44	7 13	9 6
20	S	76 2	7 39	0 30		20	76 1	7 42	9 51
21	MO.	75 45	8 9	1 16		21	75 46	8 13	10 34
22	TU.	75 58	8 44	2 3		22	75 58	8 49	11 22
23	WE.	75 48	9 25	2 53		23	75 48	9 31	....
24	TH.	75 54	10 14	3 47		24	75 55	10 20	0 46
25	FR.	75 50	11 10	4 47		25	75 50	11 16	1 48
26	SA.	75 51	morn.	5 55		26	75 51	morn.	2 53
27	S	75 52	0 10	6 59		27	75 52	0 16	3 56
28	MO.	75 47	1 13	7 57		28	75 48	1 18	4 54
29	TU.	75 54	2 16	8 48		29	75 54	2 20	5 46
30	WE.	75 44	3 18	9 33		30	75 44	3 21	6 31
..	...	...	...	...		...	...	...	...



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	2d. 7h. 58m. A.	2d. 6h. 58m. A.
FIRST QUARTER...	10d. 5h. 57m. A.	10d. 4h. 57m. A.
FULL MOON.....	17d. 8h. 45m. M.	17d. 7h. 45m. M.
LAST QUARTER...	24d. 8h. 56m. M.	24d. 7h. 56m. M.

BOSTON & CHICAGO.				BOST. N. YORK & PHILA.				N. Y.			
D. of M.	Day of Wk.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.	
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.
1	Th.	5 56	4 20	10 14	1	5 56	4 22	7 11	1	5 56	4 22
2	Fr.	5 40	5 21	10 51	2	5 41	5 22	7 45	2	5 41	5 22
3	Sa.	5 58	sets.	11 25	3	5 58	sets.	8 19	3	5 58	sets.
4	Su.	5 37	6 33	11 57	4	5 38	6 35	8 55	4	5 38	6 35
5	Mo.	5 16	6 50	0 14	5	5 16	6 50	9 31	5	5 16	6 50
6	Tu.	5 34	7 23	0 50	6	5 35	7 27	10 6	6	5 35	7 27
7	We.	5 3	7 55	1 29	7	5 3	7 55	10 44	7	5 3	7 55
8	Th.	5 30	8 35	2 12	8	5 31	8 41	11 31	8	5 30	8 35
9	Fr.	5 9	9 24	3 0	9	5 9	9 31	12 18	9	5 9	9 24
10	Sa.	5 27	10 24	3 54	10	5 30	10 30	1 53	10	5 27	10 24
11	Su.	5 7	11 33	4 58	11	5 6	11 39	2 50	11	5 7	11 33
12	Mo.	5 24	morn	6 8	12	5 25	morn	3 6	12	5 24	morn
13	Tu.	5 10	0 48	7 17	13	5 8	0 53	4 14	13	5 10	0 48
14	We.	5 20	2 7	8 22	14	5 22	2 10	5 18	14	5 20	2 7
15	Th.	5 12	3 26	9 17	15	5 11	3 28	6 15	15	5 12	3 26
16	Fr.	5 17	4 45	10 10	16	5 19	4 45	7 7	16	5 17	4 45
17	Sa.	5 15	rises.	10 57	17	5 13	rises.	7 51	17	5 15	rises.
18	Su.	5 14	6 4	11 41	18	5 16	6 7	8 38	18	5 14	6 4
19	Mo.	5 17	6 37	0 4	19	5 15	6 42	9 26	19	5 17	6 37
20	Tu.	5 11	7 17	0 51	20	5 13	7 23	10 13	20	5 11	7 17
21	We.	5 20	8 4	1 42	21	5 17	8 10	11 2	21	5 20	8 4
22	Th.	5 8	8 59	2 34	22	5 10	9 6	11 58	22	5 8	8 59
23	Fr.	5 22	9 59	3 29	23	5 19	10 5	0 27	23	5 22	9 59
24	Sa.	5 11	3	4 27	24	5 7	11 8	1 26	24	5 11	3
25	Su.	5 24	morn	5 27	25	5 22	morn	2 25	25	5 24	morn
26	Mo.	5 2	0 7	6 26	26	5 5	0 11	3 24	26	5 2	0 7
27	Tu.	5 26	1 10	7 20	27	5 24	1 13	4 17	27	5 26	1 10
28	We.	5 59	2 12	8 9	28	5 26	2 14	5 6	28	5 59	2 12
29	Th.	5 29	3 13	8 53	29	5 26	3 14	5 50	29	5 29	3 13
30	Fr.	5 57	4 13	9 33	30	5 59	4 13	6 31	30	5 57	4 13
31	Sa.	5 32	5 14	10 13	31	5 28	5 13	7 10	31	5 32	5 14



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	1d. 1h. 32m. A.	1d. 0h. 32m. A.
FIRST QUARTER...	9d. 3h. 46m. M.	9d. 2h. 46m. M.
FULL MOON.....	15d. 7h. 16m. A.	15d. 6h. 16m. A.
LAST QUARTER...	23d. 3h. 26m. M.	23d. 2h. 26m. M.

BOSTON & CHICAGO.				BOST. N. YORK & PHILA.				N. Y.			
D. of M.	Day of Wk.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.		TIDE.	D. of M.	Local Mean Time.	
		SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.			SUN R.&S.	MOON R.&S.
1	Su.	5 33	6 16	10 50	1	5 30	6 13	7 45	1	5 33	6 16
2	Mo.	5 53	sets.	11 26	2	5 56	sets.	8 21	2	5 53	sets.
3	Tu.	5 35	5 56	11 56	3	5 32	6 1	9 2	3	5 35	5 56
4	We.	5 50	6 34	0 24	4	5 53	6 40	9 44	4	5 50	6 34
5	Th.	5 38	7 20	1 9	5	5 35	7 26	10 27	5	5 38	7 20
6	Fr.	5 48	8 17	1 56	6	5 41	8 23	11 16	6	5 48	8 17
7	Sa.	5 41	9 22	2 47	7	5 37	9 28	12 1	7	5 41	9 22
8	Su.	5 45	10 33	3 43	8	5 49	10 38	0 42	8	5 45	10 33
9	Mo.	5 43	11 48	4 44	9	5 39	11 52	1 43	9	5 43	11 48
10	Tu.	5 43	morn	5 49	10	5 47	morn	2 47	10	5 43	morn
11	We.	5 45	1 4	6 52	11	5 42	1 6	3 49	11	5 45	1 4
12	Th.	5 41	2 21	7 52	12	5 45	2 22	4 49	12	5 41	2 21
13	Fr.	5 48	3 38	8 49	13	5 44	3 37	5 46	13	5 48	3 38
14	Sa.	5 49	4 55	9 41	14	5 43	4 53	6 39	14	5 49	4 55
15	Su.	5 50	6 14	10 32	15	5 46	6 11	7 28	15	5 50	6 14
16	Mo.	5 38	rises.	11 19	16	5 42	rises.	8 13	16	5 38	rises.
17	Tu.	5 53	5 51	11 55	17	5 49	5 57	9 6	17	5 53	5 51
18	We.	5 36	6 43	0 32	18	5 40	6 50	9 56	18	5 36	6 43
19	Th.	5 55	7 43	1 24	19	5 51	7 49	10 45	19	5 55	7 43
20	Fr.	5 44	8 47	2 16	20	5 39	8 53	11 37	20	5 44	8 47
21	Sa.	5 58	9 52	3 6	21	5 54	9 57	0 3	21	5 58	9 52
22	Su.	5 43	10 57	3 58	22	5 38	11 1	0 57	22	5 43	10 57
23	Mo.	5 7	morn	4 50	23	5 56	morn	1 48	23	5 7	morn
24	Tu.	5 32	0 1	5 42	24	5 37	0 4	2 40	24	5 32	0 1
25	We.	5 7	1	6 33	25	5 58	1	3 30	25	5 7	1
26	Th.	5 31	2 2	7 19	26	5 36	2 2	4 17	26	5 31	2 2
27	Fr.	5 5	3 2	8 5	27	5 7	3 1	5 3	27	5 5	3 2
28	Sa.	5 4	4 3	8 50	28	5 35	4 1	5 48	28	5 4	4 3
29	Su.	5 7	5 7	9 33	29	5 7	5 4	6 31	29	5 7	5 7
30	Mo.	5 29	6 14	10 17	30	5 24	6 10	7 14	30	5 29	6 14
31	Mo.	5 29	6 14	10 17	31	5 24	6 10	7 14	31	5 29	6 14





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON .....	1d. 6h. 45m. M.	1d. 5h. 45m. M.
FIRST QUARTER ..	8d. 0h. 13m. A.	8d. 11h. 13m. A.
FULL MOON .....	15d. 7h. 52m. M.	15d. 6h. 52m. A.
LAST QUARTER .....	23d. 0h. 38m. M.	23d. 11h. 38m. A.
NEW MOON .....	30d. 10h. 20m. A.	30d. 9h. 20m. A.

D. of M.	Day of Wk.	BOSTON & CHICAGO. Local Mean Time.		BOST. TIDE.	N. YORK & PHILA. Local Mean Time.		N. Y. TIDE.
		SUN R.&S.	MOON R.&S.		SUN R.&S.	MOON R.&S.	
1	Tu.	17	9 sets.	11 0	17	4 sets.	7 54
2	We.	18	5 16	11 44	18	5 22	8 40
3	Th.	19	6 11	0 7	19	6 18	9 30
4	Fr.	20	7 14	0 55	20	7 20	10 16
5	Sa.	21	8 25	1 46	21	8 30	11 8
6	Su.	22	9 39	2 38	22	9 43	.....
7	Mo.	23	10 53	3 29	23	10 56	0 27
8	Tu.	24	morn	4 24	24	morn	1 23
9	We.	25	0 6	5 22	25	0 8	2 20
10	Th.	26	1 20	6 21	26	1 20	3 19
11	Fr.	27	2 35	7 21	27	2 34	4 18
12	Sa.	28	3 51	8 19	28	3 48	5 15
13	Su.	29	5 7	9 14	29	5 3	6 12
14	Mo.	30	6 25	10 9	30	6 20	7 6
15	Tu.	31	rises.	11 2	31	rises.	7 55
16	We.	1	5 24	11 51	1	5 31	8 49
17	Th.	2	6 29	0 16	2	6 35	9 40
18	Fr.	3	7 35	1 6	3	7 40	10 26
19	Sa.	4	8 41	1 53	4	8 45	11 10
20	Su.	5	9 47	2 38	5	9 50	11 57
21	Mo.	6	10 50	3 21	6	10 52	0 20
22	Tu.	7	11 51	4 5	7	11 52	1 4
23	We.	8	morn	4 50	8	morn	1 49
24	Th.	9	0 51	5 38	9	0 51	2 36
25	Fr.	10	1 51	6 26	10	1 49	3 24
26	Sa.	11	2 53	7 16	11	2 50	4 12
27	Su.	12	3 58	8 6	12	3 54	5 3
28	Mo.	13	5 4	8 57	13	4 59	5 55
29	Tu.	14	6 10	9 49	14	6 4	6 47
30	We.	15	7 15	10 40	15	7 9	7 35
31	Th.	16	sets.	11 29	16	sets.	8 24

Ther. THURS. JAN. 1, 1891 Wea.

Ride to Medford. Benke  
Dea. - There's a  
Fellowship meeting  
Rockport. 4 P.M. to  
8:30 P.M. I presided.  
Night at Sea Nickerson  
Call at Mrs. Bouletts  
Sea in Vestry

Ther. FRIDAY 2 Wea.

Left R. - 7:20 A.M.  
In Office - Saw  
Salary - Correspondence  
Exc. - Anderson  
Spent night with  
us - Rain -

Ther. SATURDAY 3 Wea.

Paid bills - In  
Office - at Eastern  
House - X. Registrar  
Office etc  
Good & pleasant  
Ride

Ther. SUN. JAN. 4, 1891 Wea.  
Bible Class - Attended at Communion -  
In Grace called -  
Week of Prayer

Ther. MONDAY 5 Wea.  
Miss meeting - In meeting  
11-30 to 12 - Bible  
of 4 on Sunday 2, 50  
Prayer meeting at  
home  
At Moody's meeting  
4 p.m.

Ther. TUESDAY 6 Wea.  
I lead the meeting in  
Gorge House - Wife  
& I at Moody's  
Meeting at E Somerville  
4 p.m.

Ther. WED. JAN. 7, 1891 Wea.  
meeting at Arlington  
In Office - Prayer  
meeting Congl House

Ther. THURSDAY 8 Wea.  
Went to Rockport at  
noon - Meetings  
2-30 - 7-30  
In Office A.M.  
called the Negroes at  
Night at Mass.  
Wages  
Ten at Lusia Laws

Ther. FRIDAY 9 Wea.  
meeting at Arlington  
Evening - Left Rockport  
at 1-30. In Office  
Bible class \$1.00  
Eben Gott  
Dinner at Mrs  
Bartlett  
Marrie Sick



Ther. SAT. JAN. 10, 1891 Wea.

Went to Rockport 3 p.m.  
Sabbat House - at  
Evening meeting Bapt.  
Church - preached  
Singers' Cant

Ther. SUNDAY 11 Wea.

10-30 a.m. S. P. Ch.  
In S. P. at sea bader  
to dinner - Rain  
Evening at Rockport  
7-30 - In vestry  
10 p.m. Night at  
N. L. Clark

Ther. MONDAY 12 Wea.

Meeting in Ladies Room  
Rockport -  
Injurers Eddie Bartlett  
Chellie Choali  
J. L. Larr  
+ 30 others -  
meeting at S. L. Clark

Ther. TUES. JAN. 13, 1891 Wea.

In Office - Paid  
10.65 - Duty & Expenses  
on Republic of  
London -

Ther. WEDNESDAY 14 Wea.

Went to Eliot at  
12-30 -  
Left for Cape  
for "Hobbs" -  
Looking at Eliot  
Jew at J. H. Milleter  
night  
Islands

Ther. THURSDAY 15 Wea.

Called -  
Ret -  
Mr. Voluntary  
Libby  
Coleman  
7. at meeting at Mr.  
Allen's house -  
preached 7 p.m.  
Beautiful day  
fine shepherding

Ther. FRI. JAN. 16, 1891 Wea.

Meeting 7-30 & 7-p.m.  
Jen at Prof Sumners.  
Miss J. S. Sumner  
Mrs Keefe  
Calls for D. Frost  
Prof Bartlett

Ther. SATURDAY 17 Wea.

At Fort Smith  
Calls at H. Ladd  
Mrs. H. L. Knight  
See for Rand  
" " Kimball  
Rev. " Bonding &  
" Rush Rivers  
" Russell Thayer  
Meeting at 7. P.M.

Ther. SUNDAY 18 Wea.

11-A.M. at M. E.  
Church - 1-3 P.M. 2 P.M.  
at 7-p.m. Congl Church  
Call Mrs Kemond

Ther. MON. JAN. 19, 1891 Wea.

Same time  
Calls A. M. 6:30  
(dearly meeting)  
7-p.m.

Ther. TUESDAY 20 Wea.

In Boston & home

Ther. WEDNESDAY 21 Wea.

S. L. Brown at  
Kennebunk  
Meeting at 7 p.m.





Ther. WED. JAN. 28, 1891 Wea.

Preached M. E. Ch -  
7 p.m. "One  
Blood"  
Returned to Kennebunk

Ther. THURSDAY 29 Wea.

Meetings 2-30  
" 7:00  
Bapt Ch -

Ther. FRIDAY 30 Wea.

Fast day. <sup>beginning</sup> at 10:00  
Meetings 10-30  
" 2:30  
" 7:00  
Subject - Forgiveness  
and Forgiveness - Sum  
unforgotten Bapt -

Ther. SAT. JAN. 31, 1891 Wea.

At No. Benwick, called Rev  
Mr. London - Rev. Mr.  
Hann. Dr. L. B. Hussey  
Night at Mrs. Burleigh  
No. Benwick -

Ther. SUNDAY, FEB. Wea.

A. M. Congl Ch - 12-30  
L. P. meeting 7 p.m.  
No. Benwick  
Collection - called  
Sarah Anne Jewett  
Mrs. E. S. Mearns  
Mr. Lewis (Rev)  
Geo. C. Yeaton

Ther. MONDAY 2 Wea.

Arrived



Ther.

TUES. FEB. 3, 1891

Wea.

Ther.

FRI. FEB. 6, 1891

Wea.

Ther.

WEDNESDAY 4

Wea.

Ther.

SATURDAY 7

Wea.

Ther.

THURSDAY 5

Wea.

Ther.

SUNDAY 8

Wea.

Ther.

MON. FEB. 9, 1891

Wea.

Ther.

THURS. FEB. 12, 1891

Wea.

Ther.

TUESDAY 10

Wea.

Ther.

FRIDAY 13

Wea.

Ther.

WEDNESDAY 11

Wea.

Ther.

SATURDAY 14

Wea.



Ther.

SUN. FEB. 15, 1891

Wea.

Ther.

WED. FEB. 18, 1891

Wea.

Ther.

MONDAY 16

Wea.

Ther.

THURSDAY 19

Wea.

Ther.

TUESDAY 17

Wea.

Ther.

FRIDAY 20

Wea.

Ther.

SAT. FEB. 21, 1891

Wea.

Ther.

TUES. FEB. 24, 1891

Wea.

Ther.

SUNDAY 22

Wea.

Ther.

WEDNESDAY 25

Wea.

Ther.

MONDAY 23

Wea.

Ther.

THURSDAY 26

Wea.



Ther.

FRI. FEB. 27, 1891

Wea.

Ther.

MON. MAR. 2, 1891

Wea.

Ther.

SATURDAY 28

Wea.

Ther.

TUESDAY 3

Wea.

Ther.

SUNDAY, MAR. 1

Wea.

Ther.

WEDNESDAY 4

Wea.

Ther.

THURS. MAR. 5, 1891

Wea.

Ther.

SUN. MAR. 8, 1891

Wea.

Ther.

FRIDAY 6

Wea.

Ther.

MONDAY 9

Wea.

Ther.

SATURDAY 7

Wea.

Ther.

TUESDAY 10

Wea.



Ther.

WED. MAR. 11, 1891

Wea.

Ther.

SAT. MAR. 14, 1891

Wea.

Ther.

THURSDAY 12

Wea.

Ther.

SUNDAY 15

Wea.

Ther.

FRIDAY 13

Wea.

Ther.

MONDAY 16

Wea.

Ther. TUES. MAR. 17, 1891 Wea. Ther. FRI. MAR. 20, 1891 Wea.

Ther. WEDNESDAY 18 Wea. Ther. SATURDAY 21 Wea.

Ther. THURSDAY 19 Wea. Ther. SUNDAY 22 Wea.

Ther. MON. MAR. 23, 1891 Wea. Ther. THURS. MAR. 26, 1891 Wea.

Ther. TUESDAY 24 Wea. Ther. FRIDAY 27 Wea.

Ther. WEDNESDAY 25 Wea. Ther. SATURDAY 28 Wea.



Ther.

SUN. MAR. 29, 1891

Wea.

Ther.

WED. APRIL 1, 1891

Wea.

Ther.

MONDAY 30

Wea.

Ther.

THURSDAY 2

Wea.

Ther.

TUESDAY 31

Wea.

Ther.

FRIDAY 3

Wea.

Ther.

SAT. APRIL 4, 1891

Wea.

Ther.

TUES. APRIL 7, 1891

Wea.

Ther.

SUNDAY 5

Wea.

Ther.

WEDNESDAY 8

Wea.

Ther.

MONDAY 6

Wea.

Ther.

THURSDAY 9

Wea.

Ther.

FRI. APRIL 10, 1891

Wea.

Ther.

MON. APRIL 13, 1891

Wea.

Ther.

SATURDAY 11

Wea.

Ther.

TUESDAY 14

Wea.

Ther.

SUNDAY 12

Wea.

Ther.

WEDNESDAY 15

Wea.



Ther. THURS. APRIL 16, 1891 Wea.

Ther. SUN. APRIL 19, 1891 Wea.

Ther. FRIDAY 17 Wea.

Ther. MONDAY 20 Wea.

Ther. SATURDAY 18 Wea.

Ther. TUESDAY 21 Wea.

Ther.

WED. APRIL 22, 1891

Wea.

Ther.

SAT. APRIL 25, 1891

Wea.

Ther.

THURSDAY 23

Wea.

Ther.

SUNDAY 26

Wea.

Ther.

FRIDAY 24

Wea.

Ther.

MONDAY 27

Wea.

Ther.

TUES. APRIL 28, 1891

Wea.

Ther.

FRI. MAY 1, 1891

Wea.

Ther.

WEDNESDAY 29

Wea.

Ther.

SATURDAY 2

Wea.

Ther.

THURSDAY 30

Wea.

Ther.

SUNDAY 3

Wea.



Ther.

MON. MAY 4, 1891

Wea.

Ther.

THURS. MAY 7, 1891

Wea.

Ther.

TUESDAY 5

Wea.

Ther.

FRIDAY 8

Wea.

Ther.

WEDNESDAY 6

Wea.

Ther.

SATURDAY 9

Wea.

Ther.

SUN. MAY 10, 1891

Wea.

Ther.

WED. MAY 13, 1891

Wea.

Ther.

MONDAY 11

Wea.

Ther.

THURSDAY 14

Wea.

Ther.

TUESDAY 12

Wea.

Ther.

FRIDAY 15

Wea.

Ther.

SAT. MAY 16, 1891

Wea.

Ther.

TUES. MAY 19, 1891

Wea.

Ther.

SUNDAY 17

Wea.

Ther.

WEDNESDAY 20

Wea.

Ther.

MONDAY 18

Wea.

Ther.

THURSDAY 21

Wea.

Had Bible  
study at  
home



Ther.

FRI. MAY 22, 1891

Wea.

Ther.

MON. MAY 25, 1891

Wea.

Annual Meeting  
A.P.S.

Ther.

SATURDAY 23

Wea.

Ther.

TUESDAY 26

Wea.

Ther.

SUNDAY 24

Wea.

Heard Bible Class  
Attended no other  
Service

Ther.

WEDNESDAY 27

Wea.

preaching

Ther. THURS. MAY 28, 1891 Wea.

Called on Miss  
Moffatt or Mrs  
Newells. 1.75  
Brattle St Cambridge

Ther. FRIDAY 29 Wea.

Sowing

Ther. SATURDAY 30 Wea.

Decoration Day

Ther. SUN. MAY 31, 1891 Wea.

Ther. MONDAY, JUNE 1 Wea.

Ther. TUESDAY 2 Wea.

Ther.

WED. JUNE 3, 1891

Wea.

Ther.

THURSDAY 4 M

Wea.

Ther.

FRIDAY 5

Wea.

Ther.

SAT. JUNE 6, 1891

Wea.

Ther.

SUNDAY 7<sup>TH</sup>

Wea.

Ther.

MONDAY 8

Wea.



Ther.

TUES. JUNE 9, 1891

Wea.

Ther.

FRI. JUNE 12, 1891

Wea.

Ther.

WEDNESDAY 10

Wea.

Ther.

SATURDAY 13

Wea.

Ther.

THURSDAY 11

Wea.

Ther.

SUNDAY 14 //

Wea.

Ther.

MON. JUNE 15, 1891

Wea.

Ther.

THURS. JUNE 18, 1891

Wea.

*Thurs. June 18, 1891*

Ther.

TUESDAY 16

Wea.

Ther.

FRIDAY 19

Wea.

*Friday 19*

Ther.

WEDNESDAY 17

Wea.

Ther.

SATURDAY 20

Wea.

*Home from N.Y.*

*In Office*

Ther. SUN. JUNE 21, 1891 Wea.  
Church. Bible class etc

Ther. MONDAY 22 Wea.  
In office

Ther. TUESDAY 23 Wea.  
Funeral of Mrs. D. Johnson

Ther. WED. JUNE 24, 1891 Wea.  
Conversations with Dr.  
on R.R. - Perseus and  
reason for his decision  
Y.M.C.A. at 1-30  
p.m.

Baptist Prayer meeting  
in Fopsham Mr

Ther. THURSDAY 25 Wea.  
St. Bowdoin Commence  
ment - Led Alumni  
Prayer meeting at 8-30  
Attend Class meeting  
at 9-30 - Alumni  
Exercises at the  
Church at 10-30 Com.  
Dinner at 1-30 -  
Tea at Mr. Theobald's - Social  
Ther. FRIDAY 26 Wea.  
Fopsham -

Class meeting at  
Reble house. Road to  
the cottage of our  
classmate, Ruthie  
Loring. Sixteen gathered  
Dinner and reminiscences  
after by each one. Home  
at 11 p.m.



Ther.

SAT. JUNE 27, 1891

Wea.

In Office

Ther.

TUES. JUNE 30, 1891

Wea.

Samlin Chever  
Called

Ther.

SUNDAY 28

Wea.

Bible Class, Communion  
Young Peoples meeting  
at 12:30  
Sunday meeting. 9:00

Ther.

WEDNESDAY, JULY 1

Wea.

Ther.

MONDAY 29

Wea.

Ther.

THURSDAY 2

Wea.

Ther.

FRI. JULY 3, 1891

Wea. Ther.

MON. JULY 6, 1891

Wea.

Ther.

SATURDAY 4

Wea.

Ther.

TUESDAY 7

Wea.

Ther.

SUNDAY 5

Wea.

Ther.

WEDNESDAY 8

Wea.

Reached at the Schi-  
lon Heights United  
Chapel - While we  
were yet singing  
Christ died for us  
Rom: V. 8. Now the  
Act - Communion.

Ther.

THURS. JULY 9, 1891

Wea.

Ther.

SUN. JULY 12, 1891

Wea.

Reached at Central  
Church Lynn Per. A. W.  
More. For m. taught  
the Bible class. attended  
young people meeting  
also left the meeting  
for conference and  
prayer. Collecting for  
A. H. S. after morning  
Ther. discur. after morning

Ther.

FRIDAY 10

Wea.

Ther.

MONDAY 13

Wea.

In Meeting of Exe-  
cutive committee  
at 2 pm at  
Algonquin Hall

Ther.

SATURDAY 11

Wea.

Ther.

TUESDAY 14

Wea.

Called on Mrs  
Scaritt.



Ther.

WED. JULY 15, 1891

Wea.

Ther.

SAT. JULY 18, 1891

Wea.

In Office -

Ther.

THURSDAY 16

Wea.

Ther.

SUNDAY 19

Wea.

Went with Mr. Kilden  
to see "fast days of  
Comhair"

Ther.

FRIDAY 17

Wea.

Ther.

MONDAY 20

Wea.

Office - did not attend  
Prayer meeting

Ther.

TUES. JULY 21, 1891

Wea.

Ther.

FRI. JULY 24, 1891

Wea.

Ther.

WEDNESDAY 22

Wea.

Ther.

SATURDAY 25

Wea.

Ther.

THURSDAY 23

Wea.

Ther.

SUNDAY 26

Wea.

Ther.

MON. JULY 27, 1891

Wea.

Ther.

THURS. JULY 30, 1891

Wea.

Ther.

TUESDAY 28

Wea.

Ther.

FRIDAY 31

Wea.

Ther.

WEDNESDAY 29

Wea.

Ther.

SATURDAY, AUG. 1

Wea.



Ther.

SUN. AUG. 2, 1891

Wea.

Ther.

WED. AUG. 5, 1891

Wea.

Ther.

MONDAY 3

Wea.

Ther.

THURSDAY 6

Wea.

Ther.

TUESDAY 4

Wea.

Ther.

FRIDAY 7

Wea.

Ther.

SAT. AUG. 8, 1891

Wea. Ther.

TUES. AUG. 11, 1891

Wea.

Ther.

SUNDAY 9

Wea. Ther.

WEDNESDAY 12

Wea.

Ther.

MONDAY 10

Wea. Ther.

Ther.

THURSDAY 13

Wea.

Ther.

FRI. AUG. 14, 1891

Wea.

Ther.

MON. AUG. 17, 1891

Wea.

Ther.

SATURDAY 15

Wea.

Ther.

TUESDAY 18

Wea.

Ther.

SUNDAY 16

Wea.

Ther.

WEDNESDAY 19

Wea.



Ther.

THURS. AUG. 20, 1891

Wea.

Ther.

SUN. AUG. 23, 1891

Wea.

Ther.

FRIDAY 21

Wea.

Ther.

MONDAY 24

Wea.

Ther.

SATURDAY 22

Wea.

Ther.

TUESDAY 25

Wea.

Ther.

WED. AUG. 26, 1891

Wea.

Ther.

SAT. AUG. 29, 1891

Wea.

Ther.

THURSDAY 27

Wea.

Ther.

SUNDAY 30

Wea.

Ther.

FRIDAY 28

Wea.

Ther.

MONDAY 31

Wea.

Ther.

TUES. SEPT. 1, 1891

Wea.

Ther.

FRI. SEPT. 4, 1891

Wea.

Ther.

WEDNESDAY 2

Wea.

Ther.

SATURDAY 5

Wea.

Ther.

THURSDAY 3

Wea.

Ther.

SUNDAY 6 //

Wea.



Ther.

MON. SEPT. 7, 1891

Wea.

Ther.

THURS. SEPT. 10, 1891

Wea.

Ther.

TUESDAY 8

Wea.

Ther.

FRIDAY 11

Wea.

Ther.

WEDNESDAY 9

Wea.

Ther.

SATURDAY 12

Wea.

Ther.

SUN. SEPT. 13, 1891

Wea.

Ther.

WED. SEPT. 16, 1891

Wea.

Ther.

MONDAY 14

Wea.

Ther.

THURSDAY 17

Wea.

Ther.

TUESDAY 15

Wea.

Ther.

FRIDAY 18

Wea.

Ther.

SAT. SEPT. 19, 1891

Wea.

Ther.

TUES. SEPT. 22, 1891

Wea.

Ther.

SUNDAY 20

Wea.

Ther.

WEDNESDAY 23

Wea.

Ther.

MONDAY 21

Wea.

Ther.

THURSDAY 24

Wea.



Ther.

FRI. SEPT. 25, 1891

Wea.

Ther.

MON. SEPT. 28, 1891

Wea.

Ther.

SATURDAY 26

Wea.

Ther.

TUESDAY 29

Wea.

Ther.

SUNDAY 27

Wea.

Ther.

WEDNESDAY 30

Wea.

Ther.

THURS. OCT. 1, 1891

Wea.

Ther.

SUN. OCT. 4, 1891

Wea.

Ther.

FRIDAY 2

Wea.

Ther.

MONDAY 5

Wea.

Ther.

SATURDAY 3

Wea.

Ther.

TUESDAY 6

Wea.

Ther.

WED. OCT. 7, 1891

Wea.

Ther.

SAT. OCT. 10, 1891

Wea.

Ther.

THURSDAY 8

Wea.

Ther.

SUNDAY 11

Wea.

Ther.

FRIDAY 9

Wea.

Ther.

MONDAY 12

Wea.



Ther.

TUES. OCT. 13, 1891

Wea. Ther.

FRI. OCT. 16, 1891

Wea.

Ther.

WEDNESDAY 14

Wea. Ther.

SATURDAY 17

Wea.

Ther.

THURSDAY 15

Wea. Ther.

SUNDAY 18 //

Wea.

Ther.

MON. OCT. 19, 1891

Wea.

Ther.

THURS. OCT. 22, 1891

Wea.

Ther.

TUESDAY 20

Wea.

Ther.

FRIDAY 23

Wea.

Ther.

WEDNESDAY 21

Wea.

Ther.

SATURDAY 24

Wea.

Ther.

SUN. OCT. 25, 1891

Wea.

Ther.

WED. OCT. 28, 1891

Wea.

Ther.

MONDAY 26

Wea.

Ther.

THURSDAY 29

Wea.

Ther.

TUESDAY 27

Wea.

Ther.

FRIDAY 30

Wea.



Ther.

SAT. OCT. 31, 1891

Wea.

Ther.

TUES. NOV. 3, 1891

Wea.

Ther.

SUNDAY, NOV. 1

Wea.

Ther.

WEDNESDAY 4

Wea.

Ther. .

MONDAY 2

Wea.

Ther.

THURSDAY 5

Wea.

Ther.

FRI. NOV. 6, 1891

Wea. Ther.

MON. NOV. 9, 1891

Wea.

Ther.

SATURDAY 7

Wea. Ther.

TUESDAY 10

Wea.

Ther.

SUNDAY 8

Wea. Ther.

WEDNESDAY 11

Wea.

Ther.

THURS. NOV. 12, 1891

Wea. Ther.

SUN. NOV. 15, 1891

Wea.

Ther.

FRIDAY 13

Wea. Ther.

MONDAY 16

Wea.

Ther.

SATURDAY 14

Wea. Ther.

TUESDAY 17

Wea.



Ther.

WED. NOV. 18, 1891

Wea. Ther.

SAT. NOV. 21, 1891

Wea.

Ther.

THURSDAY 19

Wea. Ther.

SUNDAY 22

Wea.

Ther.

FRIDAY 20

Wea. Ther.

MONDAY 23

Wea.

Ther.

TUES. NOV. 24, 1891

Wea. Ther.

FRI. NOV. 27, 1891

Wea.

Ther.

WEDNESDAY 25

Wea. Ther.

SATURDAY 28

Wea.

Ther.

THURSDAY 26

Wea. Ther.

SUNDAY 29

Wea.

Ther.

MON. NOV. 30, 1891

Wea.

Ther.

THURS. DEC. 3, 1891

Wea.

Ther.

TUESDAY, DEC. 1

Wea.

Ther.

FRIDAY 4

Wea.

Ther.

WEDNESDAY 2

Wea.

Ther.

SATURDAY 5

Wea.



Ther.

SUN. DEC. 6, 1891

Wea. Ther.

WED. DEC. 9, 1891

Wea.

Ther.

MONDAY 7

Wea. Ther.

THURSDAY 10

Wea.

Ther.

TUESDAY 8

Wea. Ther.

FRIDAY 11

Wea.

Ther.

SAT. DEC. 12, 1891

Wea. Ther.

TUES. DEC. 15, 1891

Wea.

Ther.

SUNDAY 13

Wea. Ther.

WEDNESDAY 16

Wea.

Ther.

MONDAY 14

Wea. Ther.

THURSDAY 17

Wea.

Ther.

FRI. DEC. 18, 1891

Wea. Ther.

MON. DEC. 21, 1891

Wea.

Ther.

SATURDAY 19

Wea. Ther.

TUESDAY 22

Wea.

Ther.

SUNDAY 20

Wea. Ther.

WEDNESDAY 23

Wea.



Ther.

THURS. DEC. 24, 1891

Wea.

Ther.

SUN. DEC. 27, 1891

Wea.

Ther.

FRIDAY 25

Wea.

Ther.

MONDAY 28

Wea.

Ther.

SATURDAY 26

Wea.

Ther.

TUESDAY 29

Wea.

Ther.

WED. DEC. 30, 1891

Wea.

MEMORANDA

Ther.

THURSDAY 31

Wea.

MEMORANDA

MEMORANDA



MEMORANDA

MEMORANDA



## CASH ACCOUNT. JANUARY.

Date.

Received.

Paid.

## CASH ACCOUNT. JANUARY.

Date.

Received.

Paid.





## CASH ACCOUNT. MARCH.

[illegible]

CASH ACCOUNT, 20 MARCH.

[illegible]







CASH ACCOUNT. JUNE.

CASH ACCOUNT. A JUNE.

[illegible]





CASH ACCOUNT. AUGUST.

[illegible]

## CASH ACCOUNT, 10 AUGUST.

[illegible]

CASH ACCOUNT. 70 SEPTEMBER.

[illegible]

## CASH ACCOUNT. 10 SEPTEMBER.

[illegible]









### SUMMARY OF CASH ACCOUNT.

Month		Received.	Paid.	Date.	Name.	Dolls.	Cts.
JAN.							
FEB.							
MAR.							
APR.							
MAY.							
JUN.							
JUL.							
AUG.					RECEIVABLE		
SEP.							
OCT.							
NOV.							
DEC.							





## BILLS PAYABLE APRIL

Date.	Doll.	NAME.	Dolls.	Cts.
-------	-------	-------	--------	------

RECEIVABLE

## BILLS PAYABLE MAY

Date.	Doll.	NAME.	Dolls.	Cts.
-------	-------	-------	--------	------

RECEIVABLE

## BILLS PAYABLE. JUNE.

Date.	NAME.	Dolls.	Cts.
	RECEIVABLE.		

## BILLS PAYABLE, JULY.

[illegible]







## BILLS PAYABLE. DECEMBER.

## MEMORANDA.

[illegible]





## ADDRESSES.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

## ADDRESSES.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

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NAME

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STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.

NAME

STREET, No.

CITY.







# ADDRESSES.

NAME  
STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

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STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

Rev Rowland Bailey  
Howard collapsed &  
died on the platform  
of the International  
Peace Conference at  
Rome. Italy, January  
25. 1892

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