

50

R. B. Konard  
1. Somerset St  
Boston



5

THE  
STANDARD

DIARY



PUBLISHED  
FOR  
THE TRADE



1888.

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

## 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 "	
28 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.	31½ Gallons make 1 Barrel.
2 Pints " 1 Quart.	54 Gallons " 1 Hhd.
4 Quarts " 1 Gallon.	

### DRY MEASURE.

8 Quarts make 1 Peck.	8 Bushels make 1 Quarter.
4 Pecks " 1 Bushel.	36 Bushels " 1 Chaldron.
1 Bushel equal to 28½ cubic in. nearly.	

## 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, shelled.	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 .....	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts. ....	48	48	..	56	50	52	30	60	56	60	..	..	..	..	..
Connecticut .....	..	45	..	56	..	..	28	60	56	56	..	..	..	..	..
New York .....	48	45	..	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	..	..	..	..	..	..	..	..	..	..	..
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	45
West Virginia. ....	48	52	80	56	48	..	32	60	56	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	56	..	60	56	..	..	60	45
Louisiana .....	32	..	..	56	..	..	32	..	32	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	50	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	..	56	..	..	32	..	54	60	..	..	..	..	..
Oregon .....	46	42	..	56	..	..	36	60	56	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	11
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	55
10 "	0	0	0	0	0	0	0	0	0	0	11	111
1 Mo.	0	1	1	1	1	1	1	1	1	1	33	333
2 "	1	2	2	2	2	2	2	2	2	2	66	667
3 "	1	2	3	3	3	3	3	3	3	3	100	1000
4 "	1	2	3	4	4	4	4	4	4	4	133	1333
5 "	1	2	3	4	5	5	5	5	5	5	167	1667
6 "	1	2	3	4	5	6	6	6	6	6	200	2000
7 "	1	2	3	4	5	6	7	7	7	7	233	2333
8 "	1	2	3	4	5	6	7	8	8	8	267	2667
9 "	1	2	3	4	5	6	7	8	9	9	300	3000
10 "	1	2	3	4	5	6	7	8	9	10	333	3333
11 "	1	2	3	4	5	6	7	8	9	10	367	3667
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	4	42
5 "	0	0	0	0	0	0	0	0	0	0	7	69
10 "	0	0	0	0	0	0	0	0	0	0	14	139
1 Mo.	1	1	1	1	1	1	1	1	1	1	42	417
2 "	1	2	2	2	2	2	2	2	2	2	85	833
3 "	1	2	3	3	3	3	3	3	3	3	128	1250
4 "	1	2	3	4	4	4	4	4	4	4	171	1667
5 "	1	2	3	4	5	5	5	5	5	5	214	2083
6 "	1	2	3	4	5	6	6	6	6	6	257	2500
7 "	1	2	3	4	5	6	7	7	7	7	300	2917
8 "	1	2	3	4	5	6	7	8	8	8	343	3333
9 "	1	2	3	4	5	6	7	8	9	9	386	3750
10 "	1	2	3	4	5	6	7	8	9	10	429	4167
11 "	1	2	3	4	5	6	7	8	9	10	472	4583
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	1	17
3 "	0	0	0	0	0	0	0	0	0	0	5	50
5 "	0	0	0	0	0	0	0	0	0	0	9	83
10 "	0	0	0	0	0	0	0	0	0	0	17	167
1 Mo.	1	1	1	1	1	1	1	1	1	1	50	500
2 "	1	2	2	2	2	2	2	2	2	2	100	1000
3 "	1	2	3	3	3	3	3	3	3	3	150	1500
4 "	1	2	3	4	4	4	4	4	4	4	200	2000
5 "	1	2	3	4	5	5	5	5	5	5	250	2500
6 "	1	2	3	4	5	6	6	6	6	6	300	3000
7 "	1	2	3	4	5	6	7	7	7	7	350	3500
8 "	1	2	3	4	5	6	7	8	8	8	400	4000
9 "	1	2	3	4	5	6	7	8	9	9	450	4500
10 "	1	2	3	4	5	6	7	8	9	10	500	5000
11 "	1	2	3	4	5	6	7	8	9	10	550	5500
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 26	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 05	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 96	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 85	3 80	4 76	5 71	6 66	7 61	8 57
105	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 85	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	1 77	2 35	2 93	3 53	4 12	4 70	5 29
180	1 67	2 22	2 79	3 33	3 88	4 44	5 00
190	1 58	2 11	2 66	3 16	3 68	4 21	4 74
200	1 50	2 00	2 50	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, nailed, 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 newspapers; 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.

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 "
" 15 " " "	30 "
" 30 " " "	40 "
" 40 " " "	50 "
" 50 " " "	60 "
" 60 " " "	70 "
" 70 " " "	80 "
" 80 " " "	100 "

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, 13 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; Toyah 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 .... 31
Augusta, Me. .... 21	Columbus, Ohio .... 28
Portland, Me. .... 19	Detroit, Mich. .... 28
Boston, Mass. .... 16	Toledo, Ohio. .... 26
Newport, R. I. .... 15	Dayton, Ohio .... 23
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 .... 14
Rochester, N. Y. .... 11	Kansas City, Mo. .... 18
Buffalo, N. Y. .... 16	Galveston, Texas .... 19
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

## POPULATION OF THE UNITED STATES.

### CENSUS OF 1880.

Alabama .....	1,202,505	Oregon .....	774,768
Arkansas .....	802,525	Pennsylvania .....	4,282,201
California .....	864,034	Rhode Island .....	276,521
Colorado .....	104,327	South Carolina .....	105,517
Connecticut .....	622,700	Tennessee .....	1,542,829
Delaware .....	146,938	Texas .....	1,201,742
Florida .....	230,483	Vermont .....	332,286
Georgia .....	1,342,180	Virginia .....	1,512,563
Illinois .....	1,677,871	West Virginia .....	618,457
Indiana .....	1,378,301	Wisconsin .....	1,315,467
Iowa .....	1,224,615		
Kansas .....	206,006		
Kentucky .....	1,048,030		
Louisiana .....	828,946		
Maine .....	548,936		
Maryland .....	554,943		
Massachusetts .....	1,785,083		
Michigan .....	1,230,927		
Minnesota .....	780,773		
Mississippi .....	1,181,597		
Missouri .....	2,168,380		
Nebraska .....	432,402		
Nevada .....	62,936		
New Hampshire .....	345,591		
New Jersey .....	1,151,116		
New York .....	3,692,871		
North Carolina .....	1,250,750		
Ohio .....	3,108,062		

Total States.....40,371,240

### THE TERRITORIES.

Alaska .....	40,440
Arizona .....	135,177
Dakota .....	177,224
Idaho .....	32,610
Montana .....	30,139
New Mexico .....	119,953
Utah .....	145,600
Washington .....	75,116
Wyoming .....	20,780

Total Territories... 784,448  
Total U. States.....50,155,788

## POPULATION OF PRINCIPAL CITIES.

Cities having a population of 30,000 and upwards, according to the United States Census of 1880.

Rank.	Rank.
21 Albany, N. Y. .... 10,758	38 Minneapolis, Minn. .... 40,887
23 Allegheny, Pa. .... 78,082	40 Nashville, Tenn. .... 43,800
49 Atlanta, Ga. .... 37,439	15 Newark, N. J. .... 130,506
7 Baltimore, Md. .... 32,513	35 New Haven, Conn. .... 42,885
5 Boston, Mass. .... 322,850	10 New Orleans, La. .... 216,000
3 Brooklyn, N. Y. .... 595,033	1 New York, N. Y. .... 1,200,229
13 Buffalo, N. Y. .... 153,134	51 Oakland, Cal. .... 34,535
23 Cambridge, Mass. .... 32,029	63 Omaha, Neb. .... 30,138
34 Camden, N. J. .... 41,529	44 Patterson, N. J. .... 51,031
36 Charleston, S. C. .... 49,994	2 Philadelphia, Pa. .... 847,170
4 Chicago, Ill. .... 506,185	12 Pittsburgh, Pa. .... 156,780
8 Cincinnati, Ohio .... 253,139	35 Portland, Me. .... 35,810
11 Cleveland, Ohio .... 103,140	20 Providence, R. I. .... 104,887
23 Columbus, Ohio .... 51,647	41 Reading, Pa. .... 45,278
47 Dayton, Ohio .... 38,678	23 Richmond, Va. .... 63,000
30 Denver, Col. .... 35,020	22 Rochester, N. Y. .... 80,965
18 Detroit, Mich. .... 116,540	3 San Francisco, Cal. .... 253,029
57 Fall River, Mass. .... 45,091	42 Savannah, Ga. .... 30,700
68 Grand Rapids, Mich. .... 32,016	39 Scranton, Pa. .... 45,850
60 Harrisburg, Pa. .... 30,702	53 Springfield, Mass. .... 33,540
43 Hartford, Conn. .... 42,015	57 St. Joseph, Mo. .... 32,431
31 Hoboken, N. J. .... 30,090	4 St. Louis, Mo. .... 250,518
24 Indianapolis, Ind. .... 75,056	45 St. Paul, Minn. .... 41,473
17 Jersey City, N. J. .... 120,722	32 Syracuse, N. Y. .... 51,792
30 Kansas City, Mo. .... 53,785	33 Toledo, Ohio .... 50,137
46 Lawrence, Mass. .... 30,151	44 Trenton, N. J. .... 29,910
16 Louisville, Ky. .... 125,728	29 Troy, N. Y. .... 36,747
27 Lowell, Mass. .... 50,475	42 Utica, N. Y. .... 35,014
45 Lynn, Mass. .... 38,274	14 Washington, D. C. .... 147,293
36 Manchester, N. H. .... 32,630	61 Wheeling, W. Va. .... 30,737
42 Memphis, Tenn. .... 33,522	42 Wilmington, Del. .... 42,478
19 Milwaukee, Wis. .... 115,587	25 Worcester, Mass. .... 56,291



# PRESIDENTS OF THE UNITED STATES.

NAMES.	Born.	Inaugurated.	Term of Office.	Death.	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. 30, 1735	Mar. 4, 1797	4 "	July 4, 1826	Mass.	Mass.	Republican.
3 THOMAS JEFFERSON	Apr. 2, 1743	" 4, 1801	8 "	June 26, 1826	Virginia.	Virginia.	"
4 JAMES MADISON	Mar. 16, 1751	" 4, 1809	8 "	June 28, 1837	"	"	"
5 JAMES MONROE	Apr. 28, 1758	" 4, 1817	8 "	July 4, 1831	Mass.	Mass.	Coalition.
6 JOHN QUINCY ADAMS	July 11, 1767	" 4, 1825	8 "	Feb. 23, 1848	S. Carolina.	Tennessee.	Democrat.
7 ANDREW JACKSON	Mar. 15, 1767	" 4, 1829	8 "	June 8, 1845	New York.	New York.	Whig.
8 MARTIN VAN BUREN	Dec. 5, 1782	" 4, 1837	8 "	July 24, 1862	Ohio.	Ohio.	Democrat.
9 WM. H. HARRISON	Mar. 20, 1773	" 4, 1841	1 month.	Jan. 17, 1842	Virginia.	Virginia.	Whig.
10 JOHN TYLER	Mar. 29, 1790	" 4, 1841	3 yrs. 11 mos.	Jan. 18, 1862	N. Carolina.	Tennessee.	Democrat.
11 JAMES K. POLK	Nov. 2, 1795	" 4, 1845	4 years.	June 15, 1849	Virginia.	Louisiana.	Whig.
12 ZACHARY TAYLOR	Nov. 24, 1784	" 4, 1849	1 year 4 mos.	July 9, 1850	New York.	New York.	Whig.
13 MILLARD FILLMORE	Jan. 7, 1800	" 4, 1850	2 years 8 mos.	Mar. 8, 1874	N. Hamp.	N. Hamp.	Democrat.
14 FRANKLIN PIERCE	Mar. 23, 1804	" 4, 1853	4 years.	Oct. 8, 1869	Penn.	Penn.	Democrat.
15 ABRAHAM LINCOLN	Feb. 12, 1809	" 4, 1861	1 yr. 4 mos.	June 1, 1868	Kentucky.	Illinois.	Republican.
16 ABRAHAM LINCOLN	Feb. 12, 1809	" 4, 1861	4 yrs. 4 mos.	April 15, 1865	Kentucky.	Tennessee.	Republican.
17 ANDREW JOHNSON	Dec. 29, 1808	" 4, 1865	3 yrs. 10 mos.	July 31, 1875	N. Carolina.	Illinois.	"
18 ULYSSES S. GRANT	Oct. 27, 1822	" 4, 1869	8 years.	July 21, 1885	Ohio.	Ohio.	"
19 RUTHENFORD B. HAYES	Oct. 4, 1822	" 4, 1877	6 months.	Sept. 19, 1881	Vermont.	New York.	"
20 JAMES A. GARFIELD	Oct. 19, 1831	" 4, 1881	2 yrs. 5 mos.	Nov. 18, 1886	Vermont.	New York.	"
21 CHESTER A. ARTHUR	Oct. 5, 1830	Sept. 20, 1881	2 yrs. 5 mos.	Nov. 18, 1886	New Jersey.	New York.	Democrat.
22 GROVER CLEVELAND	Mar. 18, 1837	Mar. 4, 1885	8 yrs.				

## VOTE FOR PRESIDENT—1884.

STATES.	POPULAR VOTE.				ELECTORAL VOTE.	
	Maine.	Cleveland.	Bulter.	St. John.	Cleveland.	Maine.
Alabama.....	59591	93951	873	612	10	.....
Arkansas.....	50895	73927	1847	.....	7	.....
California.....	102416	89288	2017	2020	.....	8
Colorado.....	35290	27723	1958	761	.....	3
Connecticut.....	65223	67199	1688	2305	6	.....
Delaware.....	28931	16664	6	55	3	.....
Florida.....	28931	31766	.....	72	4	.....
Georgia.....	48003	94667	145	195	12	.....
Illinois.....	337474	312355	10910	12074	.....	22
Indiana.....	238463	244990	8293	3028	15	.....
Iowa.....	197889	177316	.....	1472	.....	13
Kansas.....	154406	90132	16341	4495	.....	9
Kentucky.....	118122	152691	1691	3139	13	.....
Louisiana.....	46347	62540	.....	8	.....	.....
Maine.....	72309	53140	3953	2160	.....	6
Maryland.....	85699	96932	531	2794	8	.....
Massachusetts.....	146724	122481	24433	10026	.....	14
Michigan.....	102669	140815	42243	18403	.....	13
Minnesota.....	111923	70144	3583	4684	.....	7
Mississippi.....	41309	76510	.....	9	.....	.....
Missouri.....	202029	215988	.....	2153	10	.....
Nebraska.....	76912	54391	.....	2899	.....	5
Nevada.....	7193	5578	36	.....	.....	.....
N. Hampshire.....	43249	39183	552	1571	.....	4
New Jersey.....	123440	127798	3496	6159	9	.....
New York.....	562005	563154	16994	25016	36	.....
N. Carolina.....	125668	142952	.....	454	11	.....
Ohio.....	400882	368280	5179	11669	.....	23
Oregon.....	26860	24604	726	492	.....	3
Pennsylvania.....	473804	392785	16992	15283	.....	30
Rhode Island.....	10930	12391	422	928	.....	4
S. Carolina.....	21733	66890	.....	9	.....	.....
Tennessee.....	124078	133258	957	1131	12	.....
Texas.....	93141	225309	3321	3534	13	.....
Vermont.....	39514	17331	785	1572	.....	4
Virginia.....	139156	145407	.....	138	12	.....
W. Virginia.....	63066	67317	810	931	6	.....
Wisconsin.....	161157	146459	4598	7656	.....	11
Total.....	4851981	4874986	175170	150360	219	182

## PRESIDENTIAL VOTES IN PREVIOUS YEARS.

Year.	Republican.	Democrat.	Green's.	Prohib.	Rep.	Dem.
1880	4454416	4444952	308578	10305	214	155
1876	4033950	4284757	81737	9522	185	184
*1872	3597070	2834079	.....	5608	286	42
†1868	3015071	2709613	.....	.....	214	71


\* Democratic vote, exclusive of 20408 for Chas. O'Connor.  
 † Mississippi, Texas and Virginia did not vote.



## NEW WEATHER SIGNALS.

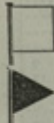

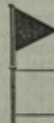


[Adopted for general use by the United States Signal Service on and after March 1, 1887.]

### 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.	Legal.	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	13 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 ct. ....	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 judg'ts. ....	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 am't 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 1838. ....	6	6 per ct.
Rhode Island .....	Forfeiture, unless by contract t. ....	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, 1887, in compliance with the above stated provisions of law.

COUNTRY.	MONETARY UNIT.	STANDARD.	VALUE.
Argentine Repub.	Peso .....	Gold & silv.	D. C. M.
Austria .....	Florin .....	Silver .....	0 66 5
Austria .....	Florin .....	Gold .....	0 35 9
Belgium .....	Franc .....	Gold & silv.	0 48 4
Bolivia .....	Boliviano .....	Silver .....	0 19 3
Brazil .....	Milreis of 1000 reis.	Gold .....	0 73 7
British America.	Dollar .....	Gold .....	0 54 6
Central America.	Dollar .....	Silver .....	1 0 0
Chile .....	Peso .....	Gold & silv.	0 93 5
Cuba .....	Peso .....	Gold & silv.	0 91 2
Denmark .....	Crown .....	Gold .....	0 93 2
Ecuador .....	Sucres .....	Silver .....	0 26 8
Egypt .....	Piaster .....	Gold .....	0 72 7
France .....	Franc .....	Gold & silv.	0 4 9
German Empire.	Mark .....	Gold .....	0 19 3
Great Britain.	Pound sterling.	Gold .....	0 23 8
Greece .....	Drachma .....	Gold & silv.	4 86 6 1/2
Haiti .....	Gourde .....	Gold & silv.	0 19 3
India .....	Rupree of 16 annas.	Silver .....	0 66 5
Italy .....	Lira .....	Gold & silv.	0 34 6
Japan .....	Yen .....	Gold .....	0 19 3
Japan .....	Yen .....	Silver .....	0 99 7
Liberia .....	Dollar .....	Gold .....	0 78 4
Mexico .....	Dollar .....	Silver .....	1 0 0
Netherlands .....	Florin .....	Gold & silv.	0 79 0
Norway .....	Crown .....	Gold .....	0 40 2
Paraguay .....	Sol .....	Silver .....	0 26 8
Porto Rico .....	Peso .....	Gold .....	0 72 7
Portugal .....	Milreis of 1000 reis.	Gold .....	0 92 5
Russia .....	Rouble of 100 cop'ks	Silver .....	1 0 8
Sandwich Islands.	Dollar .....	Gold .....	0 58 2
Spain .....	Pseta of 100 centim.	Gold & silv.	1 0 0
Sweden .....	Crown .....	Gold .....	0 19 3
Switzerland .....	Franc .....	Gold & silv.	0 26 8
Tripoli .....	Mahbub of 20 piast'rs	Silver .....	0 19 3
Turkey .....	Piaster .....	Gold .....	0 65 6
U. S. of Colombia.	Peso .....	Silver .....	0 4 4
Uruguay .....	Patacon .....	Gold .....	0 72 7
Venezuela .....	Bolivar .....	Gold & silv.	0 94 8
			0 19 3

# 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 the 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.



## SHORT METHOD

### FOR CALCULATING INTEREST.

Multiply the principal by as many hundreds as there are days, and

For 4 per cent. ....	Divide by 90
" 5 " " .....	" 72
" 6 " " .....	" 60
" 7 " " .....	" 52
" 8 " " .....	" 45
" 9 " " .....	" 40
" 10 " " .....	" 36
" 12 " " .....	" 30

EXAMPLE—INTEREST on \$50 for 30 days at 4%.  
 $50 \times .30 = 15.00$ , which divided by 90 = 16½ cents—the required result.

### FESTIVALS AND FASTS.

Epiphany . . . . .	Jan. 6
Septuagesima Sunday . . . . .	Jan. 29
Quinquagesima—Shrove Sunday . . . . .	Feb. 12
Ash Wednesday . . . . .	Feb. 15
First Sunday in Lent . . . . .	Feb. 19
St. Patrick . . . . .	Mar. 17
Palm Sunday . . . . .	Mar. 25
Good Friday . . . . .	Mar. 30
Easter Sunday . . . . .	April 1
Low Sunday . . . . .	April 8
Rogation Sunday . . . . .	May 6
Ascension Day—Holy Thursday . . . . .	May 10
Pentecost—Whit Sunday . . . . .	May 20
Trinity Sunday . . . . .	May 27
Corpus Christi . . . . .	May 31
St. John Baptist . . . . .	June 24
Michaelmas Day . . . . .	Sept. 29
St. Andrew . . . . .	Nov. 30
First Sunday in Advent . . . . .	Dec. 3
Christmas Day . . . . .	Dec. 25

### CHRONOLOGICAL CYCLES.

Dominical Letters . . . . .	A. G.
Epect . . . . .	17
Lunar Cycle, or Golden Number . . . . .	8
Solar Cycle . . . . .	21
Roman Indiction . . . . .	1
Julian Period . . . . .	6601

## ECLIPSES FOR THE YEAR.

In the year 1888 there will be five Eclipses; three of the Sun and two of the Moon.

I. A TOTAL ECLIPSE OF THE MOON, January 28. Visible more or less to the world generally, except to the Pacific Ocean. Occurring as follows:—

	Eastern Standard.	Central Standard.	Mountain Standard.
P. H. M.	P. H. M.	P. H. M.	P. H. M.
Moon enters Penumbra	28 3 27 A.	28 2 27 A.	28 1 27 A.
Moon enters Shadow	28 4 30 "	28 3 30 "	28 2 30 "
Total Eclipse begins	28 5 31 "	28 4 31 "	28 3 31 "
Middle of Eclipse	28 6 20 "	28 5 20 "	28 4 20 "
Total Eclipse ends	28 7 9 "	28 6 9 "	28 5 9 "
Moon leaves Shadow	28 8 9 "	28 7 9 "	28 6 9 "
Moon leaves Penumbra	28 9 12 "	28 8 12 "	28 7 12 "

Magnitude of Eclipse = 1.647, (Moon's diameter = 1).

II. A PARTIAL ECLIPSE OF THE SUN, February 11. Invisible. Visible to the Antarctic Ocean and southern Patagonia.

III. A PARTIAL ECLIPSE OF THE SUN, July 9. Invisible. Visible to the southern Indian Ocean.

IV. A TOTAL ECLIPSE OF THE MOON, July 22-23. Visible to the larger part of the world, except eastern Europe and Asia. Happening as follows:—

	Eastern Standard.	Central Standard.	Mountain Standard.
P. H. M.	P. H. M.	P. H. M.	P. H. M.
Moon enters Penumbra	22 9 55 A.	22 8 55 A.	22 7 55 A.
Moon enters Shadow	22 10 54 "	22 9 54 "	22 8 54 "
Total Eclipse begins	22 11 53 "	22 10 53 "	22 9 53 "
Middle of Eclipse	23 0 45 M.	22 11 45 M.	22 10 45 M.
Total Eclipse ends	23 1 36 "	23 0 36 M.	22 11 36 "
Moon leaves Shadow	23 2 35 "	23 1 35 "	23 0 35 M.
Moon leaves Penumbra	23 3 34 "	23 2 34 "	23 1 34 "

Magnitude of Eclipse = 1.825, (Moon's diameter = 1).

V. A PARTIAL ECLIPSE OF THE SUN, August 7. Invisible. Visible to the Arctic Ocean and adjacent regions, including Norway and Sweden.

### MORNING AND EVENING STARS.

MERCURY will be Evening Star about February 17, June 12, and October 7; and Morning Star about March 30, July 29, and November 17.

VENUS will be Morning Star till July 11; and Evening Star the rest of the year.

JUPITER will be Morning Star till May 22; then Evening Star till December 8; and Morning Star again the rest of the year.



# 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*.

	H.	M.	Feet.
Eastport, Me., (Intercolonial Time) ...	add	3 33	18.3
<b>EASTERN STANDARD.</b>			
Bar Harbor, Me. ....	"	2 27	10.4
Portland, Me. ....	"	2 55	9.1
Portsmouth, N. H. ....	"	3 3	8.6
Isles of Shoals, N. H. ....	"	2 57	8.7
Newburyport, Mass. ....	"	3 17	7.5
Gloicester, Mass. ....	"	2 44	8.9
Salem, Mass. ....	"	2 54	9.2
Nahant, Mass. ....	"	2 59	10.2
Plymouth, Mass. ....	"	2 59	10.2
Provincetown, Mass. ....	"	2 59	9.2
Nantucket, Mass. ....	"	4 15	3.0
Vineyard Haven, Mass. ....	"	3 22	1.6
Wood's Hole, North Side, Mass. ....	sub.	0 21	4.0
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 36	4.7
Watch Hill, R. I. ....	add	0 44	2.7
Stonington, Conn. ....	"	0 52	2.7
New London, Conn. ....	"	1 12	2.5
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 42	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 5	2.0
Beaufort, N. C. ....	"	0 35	2.8
Charleston (C. H. Wharf), S. C. ....	"	0 19	5.1
<b>CENTRAL STANDARD.</b>			
Fort Pulaski (Savannah Ent.), Ga. ....	"	1 22	6.9
Savannah (Dry Dock Wharf), Ga. ....	"	0 25	6.5
St. Augustine, Fla. ....	"	0 17	4.1
Key West, Fla. ....	add	1 4	1.2
Tampa Bay (Egmont Key), Fla. ....	"	2 49	1.2
Cedar Keys (Depot Key), Fla. ....	"	4 52	3.9



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER ...	6d. 6h. 42m. M.	6d. 5h. 42m. M.
NEW MOON.....	13d. 3h. 38m. M.	13d. 2h. 38m. M.
FIRST QUARTER..	20d. 11h. 49m. A.	20d. 10h. 49m. A.
FULL MOON .....	28d. 6h. 19m. A.	28d. 5h. 19m. A.

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



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	4d. 2h. 26m. A.	4d. 1h. 26m. A.
NEW MOON.....	11d. 6h. 52m. A.	11d. 5h. 52m. A.
FIRST QUARTER..	19d. 8h. 59m. A.	19d. 7h. 59m. A.
FULL MOON.....	27d. 6h. 57m. M.	27d. 5h. 57m. M.

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



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	4d. 10h. 26m. A.	4d. 9h. 26m. A.
NEW MOON.....	12d. 11h. 21m. M.	12d. 10h. 21m. M.
FIRST QUARTER..	20d. 3h. 43m. A.	20d. 2h. 43m. A.
FULL MOON.....	27d. 5h. 7m. A.	27d. 4h. 7m. A.

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





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	3d. 7h. 41m. M.	3d. 6h. 41m. M.
NEW MOON.....	11d. 4h. 8m. M.	11d. 3h. 8m. M.
FIRST QUARTER...	19d. 6h. 52m. M.	19d. 5h. 52m. M.
FULL MOON.....	26d. 1h. 22m. M.	26d. 0h. 22m. M.

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



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	2d. 6h. 47m. A.	2d. 5h. 47m. A.
NEW MOON.....	10d. 8h. 23m. A.	10d. 7h. 23m. A.
FIRST QUARTER...	18d. 6h. 5m. A.	18d. 5h. 5m. A.
FULL MOON.....	25d. 8h. 40m. M.	25d. 7h. 40m. M.

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





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
LAST QUARTER...	1d. 7h. 53m. M.	1d. 6h. 53m. M.
NEW MOON.....	9d. 11h. 34m. M.	9d. 10h. 34m. M.
FIRST QUARTER...	17d. 1h. 50m. M.	17d. 0h. 50m. M.
FULL MOON.....	23d. 4h. 7m. A.	23d. 3h. 7m. A.
LAST QUARTER...	30d. 10h. 52m. A.	30d. 9h. 52m. A.

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



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	9d. 1h. 16m. M.	9d. 0h. 16m. M.
FIRST QUARTER...	16d. 7h. 13m. M.	16d. 6h. 13m. M.
FULL MOON.....	23d. 0h. 45m. M.	22d. 11h. 45m. A.
LAST QUARTER...	30d. 3h. 29m. A.	30d. 2h. 29m. A.

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

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.						
		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.							
1	We.	74	52	morn	5	47	1	74	57	0	1	2	45	
2	Th.	77	18	0	30	6	42	2	77	14	0	34	3	35
3	Fr.	74	54	1	7	38	3	74	58	1	11	4	33	
4	Sa.	77	15	1	50	8	33	4	77	12	1	55	5	31
5	So.	74	57	2	39	9	26	5	75	0	2	44	6	24
6	Mo.	77	13	3	35	10	17	6	77	9	3	40	7	13
7	Tu.	74	59	sets.	11	4	7	7	75	2	sets.	7	59	
8	We.	77	10	7	56	11	48	8	77	7	7	53	8	40
9	Th.	75	1	8	31	0	10	9	75	4	8	29	9	34
10	Fr.	77	8	9	4	0	53	10	77	4	9	3	10	12
11	Sa.	75	3	9	35	1	38	11	75	6	9	35	10	54
12	Su.	77	5	10	6	2	23	12	77	1	10	7	11	42
13	Mo.	75	5	10	39	3	9	13	75	8	10	41	0	1
14	Tu.	77	2	11	16	4	2	14	76	59	11	19	1	1
15	We.	75	7	11	58	5	2	15	75	10	morn	2	0	
16	Th.	76	59	morn	6	9	16	16	76	56	0	2	3	7
17	Fr.	75	9	0	47	7	18	17	75	12	0	52	4	15
18	Sa.	76	56	1	43	8	27	18	76	53	1	48	5	23
19	So.	75	11	2	44	9	27	19	75	14	2	49	6	25
20	Mo.	76	53	3	49	10	21	20	76	50	3	53	7	18
21	Tu.	75	14	rises.	11	8	21	21	75	16	rises.	8	2	
22	We.	76	59	7	42	11	49	22	76	47	7	40	8	47
23	Th.	75	16	8	10	0	9	23	75	18	8	9	9	28
24	Fr.	76	47	8	37	0	40	24	76	44	8	37	10	6
25	Sa.	75	18	9	3	1	28	25	75	20	9	4	10	42
26	So.	76	43	9	29	2	6	26	76	41	9	31	11	20
27	Mo.	75	20	9	57	2	45	27	75	22	10	0	...	
28	Tu.	76	40	10	28	3	26	28	76	38	10	32	0	24
29	We.	75	22	11	3	4	12	29	75	24	11	7	1	11
30	Th.	76	37	11	43	5	4	30	76	35	11	48	2	3
31	Fr.	75	24	morn	6	1	31	31	75	26	morn	2	50	

BOSTON & CHICAGO.				DOST.		N. YORK & PHILA.				N. Y.	
D.C.M.	Day of Wk.	Local Mean Time.		TIDE.	Sea-Range Time.	D.C.M.	Local Mean Time.		TIDE.	Sea-Range Time.	
		SUN R.S.	MOON R.S.				SUN R.S.	MOON R.S.			
1	SA.	5 25	0 20	7	2	1	5 27	0 34	3	50	
2	☾	5 32	1 22	8	3	2	5 30	1 27	4	50	
3	MO.	5 27	2 22	9	0	3	5 29	2 26	5	57	
4	TU.	5 28	3 26	9	52	4	5 27	3 30	6	50	
5	WE.	5 20	4 33	10	41	5	5 31	4 36	7	35	
6	TH.	5 26	sets.	11	26	6	5 24	sets.	8	20	
7	FR.	5 32	7 36	.....		7	5 33	7 36	9	7	
8	SA.	5 22	8 8	0	31	8	5 20	8 9	9	52	
9	☾	5 34	8 41	1	16	9	5 35	8 43	10	34	
10	MO.	5 18	9 17	2	2	10	5 17	9 20	11	21	
11	TU.	5 36	9 57	2	51	11	5 37	10 1	.....		
12	WE.	5 14	10 44	3	46	12	5 14	10 49	0	45	
13	TH.	5 38	11 38	4	49	13	5 30	11 43	1	47	
14	FR.	5 11	morn	5	57	14	5 10	morn	2	53	
15	SA.	5 40	0 36	7	8	15	5 41	0 41	4	8	
16	☾	5 7	1 38	8	12	16	5 7	1 42	5	8	
17	MO.	5 42	2 43	9	8	17	5 43	2 47	6	6	
18	TU.	5 4	3 49	9	59	18	5 4	3 52	6	57	
19	WE.	5 44	4 54	10	43	19	5 45	4 56	7	38	
20	TH.	5 06	rises.	11	22	20	5 06	rises.	8	16	
21	FR.	5 46	7 4	11	59	21	5 47	7 5	8	57	
22	SA.	5 57	7 30	0	16	22	5 47	7 32	9	33	
23	☾	5 49	7 57	0	53	23	5 50	8 0	10	6	
24	MO.	5 53	8 26	1	31	24	5 54	8 29	10	43	
25	TU.	5 51	8 59	2	10	25	5 51	9 3	11	23	
26	WE.	5 50	9 37	2	51	26	5 50	9 42	.....		
27	TH.	5 53	10 20	3	36	27	5 53	10 25	0	30	
28	FR.	5 46	11 9	4	28	28	5 47	11 14	1	26	
29	SA.	5 55	morn	5	26	29	5 55	morn	2	22	
30	☾	5 43	0 4	6	28	30	5 43	0 9	3	23	





MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	5d. 9h. 34m. M.	5d. 8h. 34m. M.
FIRST QUARTER..	12d. 0h. 29m. M.	11d. 11h. 29m. A.
FULL MOON.....	19d. 4h. 9m. A.	19d. 3h. 9m. A.
LAST QUARTER...	27d. 8h. 56m. A.	27d. 7h. 56m. A.

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



MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON.....	3d. 7h. 2m. A.	3d. 6h. 2m. A.
FIRST QUARTER..	10d. 11h. 16m. M.	10d. 10h. 16m. M.
FULL MOON.....	18d. 10h. 16m. M.	18d. 9h. 16m. M.
LAST QUARTER...	26d. 0h. 20m. A.	26d. 11h. 20m. M.

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



# MOON'S PHASES.

(In Standard Time.)

NEW MOON.....  
FIRST QUARTER...  
FULL MOON.....  
LAST QUARTER...

# BOSTON.

And Eastern Division.

3d. 5h. 5m. M.  
10d. 1h. 46m. M.  
18d. 5h. 41m. M.  
26d. 1h. 0m. M.

# CHICAGO.

And Central Division.

3d. 4h. 5m. M.  
10d. 0h. 46m. M.  
18d. 4h. 41m. M.  
26d. 0h. 0m. M.

# BOSTON & CHICAGO.

Day of Week	Sun R. & S.	Moon R. & S.	Local Mean Time.
1 SA.	7 10	4 36	9 15
2 S.	7 12	5 53	10 11
3 Mo.	7 12	sets.	11 5
4 Tu.	7 12	5 58	11 56
5 We.	7 14	7 1	0 23
6 Th.	7 14	8 9	1 18
7 Fr.	7 16	9 18	2 12
8 SA.	7 18	10 25	3 4
9 S.	7 18	11 30	4 55
10 Mo.	7 20	morn.	4 49
11 Tu.	7 20	0 33	5 43
12 We.	7 21	1 34	6 36
13 Th.	7 21	2 33	7 27
14 Fr.	7 23	3 32	8 15
15 SA.	7 23	4 31	9 1
16 S.	7 24	5 30	9 46
17 Mo.	7 24	6 28	10 29
18 Tu.	7 24	rises.	11 11
19 We.	7 25	5 41	11 51
20 Th.	7 26	6 35	0 12
21 Fr.	7 26	7 34	0 55
22 SA.	7 27	8 36	1 39
23 S.	7 27	9 40	2 23
24 Mo.	7 28	10 46	3 8
25 Tu.	7 28	11 52	3 56
26 We.	7 29	morn.	4 48
27 Th.	7 29	1 1	5 45
28 Fr.	7 29	2 13	6 46
29 SA.	7 29	3 27	7 49
30 S.	7 30	4 42	8 52
31 Mo.	7 30	5 56	9 52

# BOST.

Tide.
1 15
2 11
3 5
4 56
5 23
6 18
7 12
8 4
9 55
10 49
11 54
12 36
13 27
14 15
15 1
16 46
17 29
18 11
19 51
20 12
21 55
22 39
23 23
24 8
25 56
26 48
27 45
28 46
29 49
30 52
31 52

# N. YORK & PHILA.

Day of Week	Sun R. & S.	Moon R. & S.	Local Mean Time.
1 7	5	4 34	6 13
2 7	5	5 50	7 8
3 7	7	sets.	7 59
4 7	7	6 3	8 53
5 7	9	7 6	9 49
6 7	9	8 14	10 40
7 7	11	9 22	11 34
8 7	11	10 28	0 1
9 7	13	11 32	0 54
10 7	13	morn.	1 47
11 7	15	0 34	2 41
12 7	15	1 33	3 33
13 7	16	2 32	4 23
14 7	16	3 30	5 12
15 7	18	4 28	5 59
16 7	18	5 26	6 44
17 7	19	6 23	7 25
18 7	20	7 18	8 4
19 7	20	8 14	8 49
20 7	21	9 10	9 32
21 7	21	10 5	10 14
22 7	22	10 55	10 55
23 7	22	11 43	11 41
24 7	23	12 48	0 5
25 7	23	1 53	0 54
26 7	23	morn.	1 47
27 7	23	1 0	2 43
28 7	24	2 11	3 43
29 7	24	3 24	4 45
30 7	24	4 38	5 49
31 7	24	5 51	6 50

# N. Y.

Tide.
1 13
2 8
3 59
4 53
5 49
6 40
7 34
8 1
9 54
10 47
11 41
12 33
13 23
14 12
15 59
16 44
17 25
18 4
19 49
20 32
21 14
22 55
23 41
24 5
25 54
26 47
27 43
28 43
29 45
30 49
31 50

Ther.

SUN. JAN. 1, 1888

Wea.

*Overcast. At home  
Is Adelleid here.  
Her mother - Ed  
or Communion. Rev L. G. Clark  
Miss Convent - R. M. W.  
Henry - Rev E. G. Hood  
At R. Rom. 8. 14. "Led & Spind"*

*Meeting Each day  
at 11/30 Capt. House*

Ther.

MONDAY 2

Wea.

*In Wharfed to meeting*



Ther.

TUES. JAN. 3, 1888

Wea.

Led W. Medford.  
R. Muelster

Ther.

THURS. JAN. 5, 1888

Wea.

Received in front  
Lee at the Allen

Ther.

WEDNESDAY 4

Wea.

Ther.

FRIDAY 5

Wea.

At M. 2. Church  
Funeral of L. P.  
Langworthy 88,  
83. at Abbeville  
25 years Sec &  
honorary Congl  
Asson 17 years  
pastor. always a  
preacher  
Mr H. B. Borkin

Ther.

SAT. JAN. 7, 1888

Wea.

*Faint handwritten notes, possibly "H. M. Medford" and "Jan 7 1888".*

Ther.

SUNDAY 8

Wea.

*H. M. Medford*

*Faint handwritten notes, possibly "H. M. Medford" and "Jan 8 1888".*

Ther.

MON. JAN. 9, 1888

Wea.

Ther.

TUESDAY 10

Wea.



Ther.

WED. JAN. 11, 1888

Wea.

Ther.

FRI. JAN. 13, 1888

Wea.

*Wet & cold  
frosty  
frosty  
frosty*

Ther.

THURSDAY 12

Wea.

Ther.

SATURDAY 14

Wea.

Ther.

SUN. JAN. 15, 1888

Wea.

W. M. Medford

Lerman Rev  
Deputy  
General

Ther.

MONDAY 16

Wea.

Ther.

TUES. JAN. 17, 1888

Wea.

W. M. Medford

Lerman Rev

Deputy

General

Ther.

WEDNESDAY 18

Wea.

W. M. Medford  
Lerman Rev  
Deputy  
General



Ther.

THURS. JAN. 19, 1888

Wea.

*St. M. Medford*  
*Benjamin*  
*Be. H. H.*  
*General*

Ther.

FRIDAY 20

Wea.

*Carl Looking. L. Schute*  
*Brooklyn 11 3 11*  
*Mill Nickerson*  
*wife & Ray at*  
*our house*

Ther.

SAT. JAN. 21, 1888

Wea.

*Frank went to*  
*Portland*  
*John Howard*  
*came*

Ther.

SUNDAY 22

Wea.

*St. M. Medford*  
*Bar E. Church*  
*"Joe"*

Ther.

MON. JAN. 23, 1888

Wea.

Ther.

WED. JAN. 25, 1888

Wea.

Ther.

TUESDAY 24

Wea.

Ther.

THURSDAY 26

Wea.

Paper Meeting, (2<sup>nd</sup>)



Ther.

FRI. JAN. 27, 1888

Wea.

*Windy & cold*

Ther.

SUN. JAN. 29, 1888

Wea.

*Clear & cold*

Ther.

SATURDAY 28

Wea.

*In Office*

Ther.

MONDAY 30

Wea.

*Spent some time  
in Portland*

Ther.

TUES. JAN. 31, 1888

Wea.

Ther.

THURS. FEB. 2, 1888

Wea.

John Howard next  
to Lloyd

Ther.

WEDNESDAY, FEB. 1

Wea.

In Office  
calls  
Rev Smith of Bedford  
Henry Sammis  
Rockport

Address  
Dr Co has naming  
Lincoln  
Feb

Ther.

FRIDAY 3

Wea.

In Office  
calls  
Hutchinson  
Long Mts.  
J.H.S. at N.M.



Ther.

SAT. FEB. 4, 1888

Wea.

In Office  
Call  
Mr Russell  
Author's Photo.  
to Medford Book 75-  
Mr. Allen at 11:30

Ther.

SUNDAY 5

Wea.

Rev E. C. Howard  
Winds Creek in  
Evening

Ther.

MON. FEB. 6, 1888

Wea.

Ther.

TUESDAY 7

Wea.

Ther.

WED. FEB. 8, 1888

Wea.

*For Office  
Call  
Mr. R. L. ...  
...  
...  
...  
...*

Ther.

FRI. FEB. 10, 1888

Wea.

*...  
...  
...  
...*

Ther.

THURSDAY 9

Wea.

*...  
...  
...  
...  
...*

Ther.

SATURDAY 11

Wea.



Ther.

SUN. FEB. 12, 1888

Wea.

*[Faint handwritten notes]*

Ther.

TUES. FEB. 14, 1888

Wea.

*Old Burk day  
Special prayer for  
him*

Ther.

MONDAY 13

Wea.

Ther.

WEDNESDAY 15

Wea.

Ther. THURS. FEB. 16, 1888 Wea.

*[Faint handwritten notes, possibly a list of names or dates]*

Ther. FRIDAY 17 Wea.

Ther. SAT. FEB. 18, 1888 Wea.

New & Newburgh  
Rode - calls  
J. Leonard  
Rev Stratton  
Rev Sauborn  
Rev. Wallace

Ther. SUNDAY 19 Wea.

A.M. Rev P.S. Hulbert  
4<sup>th</sup> Cong Ch -

2-30. Aldwintch  
Newburg - Rev  
Sauborn Pastor

7-30 - Whitfield  
Church. Call South  
Pres. Rev Dr Wallace



Ther.

MON. FEB. 20, 1888

Wea.

*[Faint handwritten notes, possibly: "Went to ...", "Mrs. ...", "Dr. ..."]*

Ther.

WED. FEB. 22, 1888

Wea.

Holiday. At home  
 Mrs. Grace Sick  
 Mrs. Morrill here  
 Dr. Morrill 32  
 Visit (?) if he comes  
 Frank at Music  
 Hall

Ther.

TUESDAY 21

Wea.

*[Faint handwritten notes, possibly: "Went to ...", "Mrs. ...", "Dr. ..."]*

Ther.

THURSDAY 23

Wea.

Ther.

FRI. FEB. 24, 1888

Wea.

Office

Ther.

SUN. FEB. 26, 1888

Wea.

Rev. E. C. Hord  
Home meeting

Ther.

SATURDAY 25

Wea.

20

Ther.

MONDAY 27

Wea.

Rev. E. C. Hord  
Home meeting



Ther.

TUES. FEB. 28, 1888

Wea.

Attended funeral of  
 Elson Gilmore at  
 Easton aged 89 yrs  
 27 days - wife died  
 Larinda  
 Etta  
 Helen (Whiting) } Child  
 Augustus } son  
 Edna } of  
 Mrs Cool } N.Y.  
 Frances Milner } at  
 funeral

Ther.

WEDNESDAY 29

Wea.

wrote motion -  
 Heard Rev Dr  
 Cleveland at  
 Baptist Medford  
 wrote Elmer Hill  
 Rich, N. Saxille  
 called -

Ther.

THURS. MAR. 1, 1888

Wea.

Ther.

FRIDAY 2

Wea.



Ther. WED. MAR. 7, 1888 Wea.

Friends meeting  
10 A.M.  
Carr. P.M. 7 P.M.  
Laid at Sea Jackson

Ther. THURSDAY 8 Wea.

W. to L. 10 - 20  
L. to L. 37 74  
L. to L. 37 74  
Cales - Corbett Messer  
Sew L. to L.  
H. to L.  
H. to L.  
H. to L.

Ther. FRI. MAR. 9, 1888 Wea.

28 = 5005  
L. to Bruns - Gray  
Melcher - Ragan - 124  
Gay - 50  
L. to Bath 9 x 18  
" Bruns 9 x 18  
" Hallowell 30 x 60

Night of Lophocoma  
Cales. H. to L. - Rev  
Hisher - in Sweet

Ther. SATURDAY 10 Wea.

Break fast W. to L. to L.  
Cales. Laid Barron  
Rev Mr Gurney Bath  
Rev Mr Liske  
Rev Mr Liske Tolson (out)  
night at Hallowell  
in L. to L.  
Hallowell Granite Quarry  
John Westworth Shuff



Ther. SUN. MAR. 11, 1888 Wea.

At Mrs. Lages, Sea View  
Bakers, call Misses Ols  
10-30. Bay Ch -  
12. P.S. Refuse Class  
2-30. M.E. Ch -  
6-30 " " "  
Mr. Sophie Gilman  
at Mrs. Lages

Ther. MONDAY 12 Wea.

Dine Sam Ols  
calls - Mary Sole  
" - Mr. Springer  
" - Mrs. Hubbard  
to Mrs. Ols. 8:31 m.e.  
62 Ch

Ther. TUES. MAR. 13, 1888 Wea.

In Bath, Lippshorn  
Brunn & Landau  
night at Mrs. Mazon  
8:55. Ch

Ther. WEDNESDAY 14 Wea.

Home at 11. A. M.

Ther. THURS. MAR. 15, 1888 Wea.

2 Prayer meetings  
Lucy  
Mr Richards Mother  
Died

Ther. SAT. MAR. 17, 1888 Wea.

New to Press at  
12.30 - Lounline  
Hotel Metcalf & Booker  
Shave, 20  
Lunches, 40  
Collar, 50

Ther. FRIDAY 16 Wea.

at home & office

o. l. H. J. W.

Ther. SUNDAY 18 Wea.

10.45. C. Ch. Litchman  
4-30 - B. C. Students  
7- Bap. Union. m  
bye C. 89  
Bapt art - Lounline  
Dinner & Tea. Litchman  
Nights. Will Litchman  
Hotel 2.00

Ther.

MON. MAR. 19, 1888

Wea.

Home at 11.30 -  
Lunches Bath & P. 3.30 -  
Culps. .30

Ther.

TUESDAY 20

Wea.

Ther.

WED. MAR. 21, 1888

Wea.

Ther.

THURSDAY 22

Wea.



Ther.

FRI. MAR. 23, 1888

Wea.

At home with  
Rheumatism

Ther.

SATURDAY 24

Wea.

Went to No. 20  
4 P.M.  
In office from  
1 to 2 P.M.

Ther.

SUN. MAR. 25, 1888

Wea.

Spunel Buffam  
J. B. Hussey  
Rev. L. Sexter  
Fru. Bap. 10-30 a.m.  
so much 7- P.M.  
O.C. 16  
Three sons of Mr. Hussey  
removable bags  
2. little girls of  
J.B.

Ther.

MONDAY 26

Wea.

J.B. H 18-75  
cash - 10 -  
Dona 3 -  
Cen say 2 -  
15 -

Mr. Hobbs - owner  
of mill

Rev. Mr. Hambleton

Bapt  
Went to Mr. Hambleton

Ther. TUES. MAR. 27, 1888 Wea.  
At Mr. Cutler's Hammy-  
ton - Saw about place  
for Mr. Graves - Elson  
House - 75. & Kunkin  
- 25. cages. Mr. Kunkin  
Mr. Harris - Mr. Borning  
etc -  
Went to Kent's Hill  
Snow deep -

Ther. WEDNESDAY 28 Wea.  
Kent's Hill

Ther. THURS. MAR. 29, 1888 Wea.  
Reached home at  
6. P.M.

Ther. FRIDAY 30 Wea.  
In Office. Took in  
correspondence &  
Advocate

Ther.

SAT. MAR. 31, 1888

Wea.

Ther.

MON. APRIL 2, 1888

Wea.

In Office - Ella Arnold  
mailed?

Ther.

SUNDAY, APRIL 1

Wea.

At home - Rev. E. C. Ford  
Earlier - H. C. Ward  
Evening - gave 28¢

Ther.

TUESDAY 3

Wea.

Received \$208. & paid  
bills leaving 40¢  
On the bill at 6 a.m.  
Called on Chapin  
with Frank about  
house lot



Ther.

WED. APRIL 4, 1888

Wea.

Told Mr Richards, we  
 need not need  
 living regularly  
 He went to M. 2. Confer-  
 ence at Milford  
 Looked at Russell  
 house. Arlington 4th  
 with Helen

Ther.

THURSDAY 5

Wea.

Frost day. Small  
 meeting. 11. a.m.  
 Do. 7-30 P.M.  
 Looked at Spring  
 House Arlington  
 heights - with Helen  
 & Frank. Rained

Ther.

FRI. APRIL 6, 1888

Wea.

In Office. H.S. Maly  
 Angels - Returned  
 Advocate Dunning  
 called on "Our day"

Ther.

SATURDAY 7

Wea.

In Office

Ther.

SUN. APRIL 8, 1888

Wea.

Slingshot Heights - 7  
 at Clarence D. Persons  
 wife dau. of Dr. Abbott  
 formerly of Rockport  
 Good looking Sch.  
 Army. Col. 6.63  
 Walked home - very  
 cool

Ther.

MONDAY 9

Wea.

In Office  
 Richards at Conference  
 at Milford

Ther.

TUES. APRIL 10, 1888

Wea.

Do -  
 finished Address  
 for April  
 Mother has pneumonia

Ther.

WEDNESDAY 11

Wea.

In Office  
 Mother better

Ther.

THURS. APRIL 12, 1888

Wea.

Went out home  
with Miss Hadley  
Miss Richardson  
& Miss Meriden

Ellen has measles  
Bad cough

W. Looked at  
Clemson House

Ther.

FRIDAY 13

Wea.

Wrote ~~some~~ for  
rooms

Ther.

SAT. APRIL 14, 1888

Wea.

In Office

Said Mrs. Cornell  
Revt. \$8.00  
Atlas for Office  
\$4.15

Ther.

SUNDAY 15

Wea.

At home



Ther.

MON. APRIL 16, 1888

Wea.

Ther.

WED. APRIL 18, 1888

Wea.

Ther.

TUESDAY 17

Wea.

Ther.

THURSDAY 19

Wea.

Ther.

FRI. APRIL 20, 1888

Wea.

*1. 40° 11° 2°*

Ther.

SUN. APRIL 22, 1888

Wea.

*In P. Medford*

Ther.

SATURDAY 21

Wea.

Ther.

MONDAY 23

Wea.

Ther. TUES. APRIL 24, 1888

Wea.

Morning  
In water

Ther. WEDNESDAY 25

Wea.

Morning  
In water

Ther. THURS. APRIL 26, 1888

Wea.

Morning 2 Loads  
In form

Ther. FRIDAY 27

Wea.

Morning 2 Loads  
Harrif Limited  
Frank Knight  
Latter  
at Chelsea





Ther.

WED. MAY 2, 1888

Wea.

In Office  $\frac{1}{2}$  day

Ther.

FRI. MAY 4, 1888

Wea.

In Office  
In Durham  
Called -  
called on Mr. Tobey  
Speculat Real E Bond

Ther.

THURSDAY 3

Wea.

In Office  $\frac{1}{2}$  day  
In Durham  
Called

Ther.

SATURDAY 5

Wea.

Ther.

SUN. MAY 6, 1888

Wea.

Ther.

TUES. MAY 8, 1888

Wea.

Ther.

MONDAY 7

Wea.

Ther.

WEDNESDAY 9

Wea.



Ther.

THURS. MAY 10, 1888

Wea.

Ther.

SAT. MAY 12, 1888

Wea.

Ther.

FRIDAY 11

Wea.

Ther.

SUNDAY 13

Wea.

Rev S. S. Coles invites  
me to preach for  
him at Wakefield  
M. E. Ch  
Sat. 80 - Greenwood  
11. A. M.  
Rheumatism

Ther.

MON. MAY 14, 1888

Wea.

Went to Mr. Chubb  
Marine to see  
about Laura B.  
Q. L.

Ther.

TUESDAY 15

Wea.

Moved her to Mrs  
Jewell & settled  
her business matters  
She is very ill.

Ther.

WED. MAY 16, 1888

Wea.

Went to Leeds to  
confer with Mr &  
Mrs. A. J. Howe

Ther.

THURSDAY 17

Wea.

Came home after  
a few hours in  
Portland

Received Ananias  
posting both  
houses sold

Ther.

FRI. MAY 18, 1888

Wea.

Ther.

SUN. MAY 20, 1888

Wea.

Rev A. L. Mearns  
Rockport invites  
me -

Rockport 10-30 - A.M.

S.S. 12 M

L. Cove. 7. P.M. 3.68

R 15.40

Ther.

SATURDAY 19

Wea.

Ther.

MONDAY 21

Wea.



Ther.

TUES. MAY 22, 1883

Wea.

Ther.

THURS. MAY 24, 1883

Wea.

Ther.

WEDNESDAY 23

Wea.

Ther.

FRIDAY 25

Wea.

Ther.

SAT. MAY 26, 1888

Wea.

Ther.

MON. MAY 28, 1888

Wea.

Annual Meeting

Went out for  
to get  
all  
the  
to  
and

Ther.

SUNDAY 27

Wea.

A. M. Gay leh -  
He. do. gun  
meeting 11 y. 40

Ther.

TUESDAY 29

Wea.

In Office

for Harlan  
C. H. H.

Ther.

WED. MAY 30, 1888

Wea.

Decorative Day  
 News with family  
 to Lexington  
 calls  
 in Herrick  
 Dr Hamlin  
 across, Home

Ther.

THURSDAY 31

Wea.

Ther.

FRI. JUNE 1, 1888

Wea.

Called on J. H. Russell  
 He made statements  
 as to P. H. Lund

June 1, 1888

Ther.

SATURDAY 2

Wea.

at Mrs. Allen's  
 Death Sick  
 at W. Medford  
 Home with wife  
 at 11 P.M.



Ther.

SUN. JUNE 3, 1888

Wea.

Heard Dr. Cyrus Ham-  
lin - Ash. & inc  
at Arlington

Ther.

TUES. JUNE 5, 1888

Wea.

Education of  
Washington Co.  
2. P.M.

Ther.

MONDAY 4

Wea.

Saying wait for  
Lawrence in  
I with them

I go to Mr. Cutler

Ther.

WEDNESDAY 6

Wea.

I go to Windsor  
Mass. & Ex. of Camp  
Runkle with me  
Here & Home  
Good luck -  
Return as for  
at Randolph Center

Ther.

THURS. JUNE 7, 1888

Wea.

Address L. B. Dyer  
meeting at W  
Persu. me -  
Reached Luningan  
at 6. P. M.

Ther.

SAT. JUNE 9, 1888

Wea.

Helen returned to  
L. I went on to  
Phillips to

P. A. Sangers Esq  
wife & 2 boys

Ther.

FRIDAY 8

Wea.

Helen & I at Leeds  
A. J. Cross, Lett  
Howard Fox  
Laura

Ther.

SUNDAY 10

Wea.

A. M. M. E. Ch.  
P. M. & Evening  
Caryl Church  
Ledce - Coll. 8.

Ther.

MON. JUNE 11, 1888

Wea.

Rode to Reep.  
Bullens. Heron  
Aunties - Salem  
2 took 11-30  
train to Springfield

Ther.

WED. JUNE 13, 1888

Wea.

Addressed Quaker  
Camp No Camp. Tue-  
day. Rec. - Young-  
night at Mrs. E.  
Aldrichs

Ther.

TUESDAY 12

Wea.

At Mrs. Luntters  
with Helen &  
children  
~~Home (Clerk) 175~~  
~~Post Home 200 4~~  
~~New Union for~~  
~~2. 1000 Brack~~

Ther.

THURSDAY 14

Wea.

Came to Boston  
~~Springfield with~~  
~~family & Ellen~~  
~~Hesselt~~  
Springfield



Ther.

FRI. JUNE 15, 1888

Wea.

In Office -

Mailed Advocates  
for July & Aug

Ther.

SATURDAY 16

Wea.

In Office -

Ther.

SUN. JUNE 17, 1888

Wea.

Heard Dr. Hasbun

Heard Dr. Mason.  
Lunch

Ther.

MONDAY 18

Wea.

In Office

Ther.

TUES. JUNE 19, 1888

Wea.

Office

Ther.

THURS. JUNE 21, 1888

Wea.

<sup>Do</sup>  
finger meeting

Ther.

WEDNESDAY 20

Wea.

Office

Ther.

FRIDAY 22

Wea.

Stirling on finger  
meeting

Ther.

SAT. JUNE 23, 1888

Wea.

Ther.

MON. JUNE 25, 1888

Wea.

Called S. Gott  
 Gen. C. Clark  
 Went to Spring Kn

Ther.

SUNDAY 24

Wea.

Admission Mr. Rease  
 A.M. & Evening S.S.  
 B.S. Hotel 13.50

Ther.

TUESDAY 26

Wea.

Bot Hume 2 C  
 Horse Black 1 1/2



Ther.

WED. JUNE 27, 1888

Wea.

Went to Boston  
with family &  
Elen Messier

Ther

FRI. JUNE 29, 1888

Wea.

Do  
Visited Angels  
Girls aided

Ther.

THURSDAY 28

Wea.

In Office

Ther.

SATURDAY 30

Wea.

Do  
Went to Bruce Beach  
with family & called  
on Everett.  
Finished mailing  
papers

Ther.

SUN. JULY 1, 1888

Wea.

A M. All things &c  
 Communion - \$  
 Giving Peace 30.00  
 1st Fund 1.00

Ther.

TUES. JULY 3, 1888

Wea.

Passing thru Canada  
 Arrived at Toronto  
 Rossin Hotel. 75.

Reached Niagara  
 at 6. Stayed till  
 9. Left Hall,  
 Chiflin House  
 Young People

Ther.

MONDAY 2

Wea.

Started for Chicago  
 at 12.25 - Ticket  
 to go & return  
 Pullman car out 2.30

Ther.

WEDNESDAY 4

Wea.

Michigan arriving  
 Car - 75

Reached Chicago  
 6. P. M.  
 night at Commercial  
 Hotel & left after  
 dinner the 5th  
 275

Ther.

THURS. JULY 5, 1888

Wea.

Ch Endeavor Comm-  
tion at 9 A.M.

Lee Program

4000

members 300,000

Society

7,000

Next to Glencor  
at 4.30

Ticket \$5.25

Ther.

FRIDAY 6

Wea.

Ch. Ev. Com

Low Jossis

Ther.

SAT. JULY 7, 1888

Wea.

Ch Endeavor - No  
asked to speak but  
there was no time

Ther.

SUNDAY 8

Wea.

Glencor, Two Slide  
Lemmons & S. S. Clark  
15th St & 1st Ave  
Denver  
Brown



Ther.

MON. JULY 9, 1888

Wea.

Chicago, Howell  
Hall Roger meeting  
Reminiscences

Letter Chas. & David  
Frank & Helen (2)  
V. box. & Richards  
bursed all of  
them -

Ther.

TUESDAY 10

Wea.

Tuesday - In Office

Ther.

WED. JULY 11, 1888

Wea.

Went to Lawrence  
night at Mrs. Conroy  
call Dr. Norton

Ther.

THURSDAY 12

Wea.

Dinner Dr. Schenker  
Calls - Gunbar  
Berlin Mears  
Barcom sec -  
Peggs Waller  
Gerse Emmett  
Percy Lecky  
Anthony  
Lecky  
Smith G. S.  
Smith Mrs. James  
Jones " Henry  
slays Schmeling  
Richardson Peace -

Ther.

FRI. JULY 13, 1888

Wea.

People I saw  
 Rev. Mr. Williams  
 Clarence DeCano  
 Frank Sanborn  
 Limestone  
 Holcomb  
 Horton  
 J. H. Bryant  
 Princeton to Chicago  
 31. 1. 11  
 Principal Hoopes

Ther.

SATURDAY 14

Wea.

In Chicago - Went  
 to Oak Park  
 entertained by  
 Mrs. Gerkes

Ther.

SUN. JULY 15, 1888

Wea.

Oak Park  
 Dr. W. W. Mumford  
 Wm. J. Lerr  
 Rev. Dr. Koff  
 Rev. Mr. Bap

Ther.

MONDAY 16

Wea.

Ther.

TUES. JULY 17, 1888

Wea.

Went with Mother  
to Richmond Ind

Ther.

THURS. JULY 19, 1888

Wea.

Healy Meeting House  
Samuel Heile  
Mothy McCallum  
8th St  
Written in  
Every (see card)

Ther.

WEDNESDAY 18

Wea.

Heikari Friends  
No. 4th St.  
Lynne  
Orthodox Meeting

Ther.

FRIDAY 20

Wea.

San Ben Humans  
Indianapolis  
Came & Glueco  
Luf 24.25-  
Mother



Ther.

SAT. JULY 21, 1888

Wea.

At Glenora  
Chicago

Ther.

MON. JULY 23, 1888

Wea.

In Chicago  
Heard J. Hudson  
Saying Inland  
China Mission  
At Cornell Hall

Ther.

SUNDAY 22

Wea.

Went to  
Wells Greening  
Place

Ther.

TUESDAY 24

Wea.

1/2 day in Chicago

Ther.

WED. JULY 25, 1888

Wea.

Oak Bluff  
Raining Afternoon at  
Glencoe

Ther.

FRI. JULY 27, 1888

Wea.

At Rockford  
Reunion at  
C. H. W.  
Dinner & calls

Ther.

THURSDAY 26

Wea.

Went to Rockford

Ther.

SATURDAY 28

Wea.

Dinner & calls

Ther.

SUN. JULY 29, 1888

Wea.

Rockford Ill  
Every Place

Ther.

MONDAY 30

Wea.

At Chicago Ill  
3:25 P.M.  
In RR.

Ther.

TUES. JULY 31, 1888

Wea.

On RR.

Ther.

WEDNESDAY, AUG. 1

Wea.

Reached Boston  
at 8.30 A.M.  
Toll Ticket - 2.00  
Paid 1/1000  
Socd in Chicago  
for 12.00 2.00  
Made 4.00



Ther.

THURS. AUG. 2, 1888

Wea.

In Office

Ther.

SAT. AUG. 4, 1888

Wea.

In Office till  
 1 P.M. Went to  
 N. Gloucester Me  
 N. Valentine  
 "Celia" "

Ther.

FRIDAY 3

Wea.

In Office

Ther.

SUNDAY 5

Wea.

A.M.S.  
 Taught Bible  
 Class -  
 Sam Lydia Gilbert  
 Wasmun  
 Clark Curtis  
 Lucy Chenall  
 Hays  
 80%

Ther.

MON. AUG. 6, 1888

Wea.

To Lewiston at  
7-50 a.m.

To Hampten  
at 10-30 -  
arriving 12 mid  
L. J. Hall's  
at 2 P.M.  
Hampten - 5-10 P.M.  
St. John's culture (Fr.)

Ther.

TUESDAY 7

Wea.

In the House to

Ther.

WED. AUG. 8, 1888

Wea.

In meeting -  
calls with Lacker  
Jno. & Jos  
Lilcomb  
Have 1/2 tea  
at Sea Johns

Ther.

THURSDAY 9

Wea.

"Sociable" at Ceh.  
calls Mr. Borkett  
Mr. Hammonds  
Mr. Stewart  
Mr. Gross

Ther.

FRI. AUG. 10, 1888

Wea.

To Sharp Shan -  
 Picnic M. Monile  
 & Lily Alden  
 \$2.50 calls  
 Leone Gay  
 Geo Hunter  
 J. B. Knollton  
 David Hunter  
 Mrs. Shubbs - Margo -

Ther.

SATURDAY 11

Wea.

On Groof calls  
 May Monile  
 L. Hills Rev  
 E. S. Small  
 Wm. Little Nashburn  
 R. A. Boothby  
 Rode to Chelands  
 Mrs. Liffie Atwood  
 Liffie Moore  
 Liffie

Ther.

SUN. AUG. 12, 1888

Wea.

Rainy - Laught  
 B. Class \$1.65

Ther.

MONDAY 13

Wea.

J. Britton 4, \$45  
 Pen  
 Rainy day  
 Bean of  
 Leitchfield  
 Bean on Train



Ther.

TUES. AUG. 14, 1888

Wea.

In Office  
 Calls at W. Medford  
 Horse 1,00  
 Smith, Howard &  
 Leavitt.

Ther.

THURS. AUG. 16, 1888

Wea.

In Office  
 Led to meeting  
 Hunt & McIntosh  
 San Anselmo  
 Durham

Ther.

WEDNESDAY 15

Wea.

In Office

Ther.

FRIDAY 17

Wea.

In Office  
 at Arlington  
 Prayer meeting

Ther.

SAT. AUG. 18, 1888

Wea.

In Office

Ther.

SUNDAY 19

Wea.

Hahnemann School  
 joined with others  
 Free School Act, for  
 Rev H. K. Craig  
 S.S. Concert-  
 In sea S.S. Class  
 Mr John Elkhinson

Ther.

MON. AUG. 20, 1888

Wea.

In Office

Ther.

TUESDAY 21

Wea.

Married 1866  
 Harry B. Sade died  
 1887

Ther.

WED. AUG. 22, 1888

Wea.

Ther.

FRI. AUG. 24, 1888

Wea.

I met at  
Selling tree

Ther.

THURSDAY 23

Wea.

Ther.

SATURDAY 25

Wea.

Do - 22-23  
R meeting

Office



Ther.

SUN. AUG. 26, 1888

Wea.

At home  
 Funeral of Mr. Erskine  
 body at 2 P.M.  
 Night Class of  
 Boys in S.S.  
 Went to Pop Hager  
 meeting  
 saw Richardson  
 In word et al

Ther.

MONDAY 27

Wea.

In Office  
 Chose worked 1/2 day  
 Robinson &  
 H. Howard got  
 through. 14  
 Paid

Ther.

TUES. AUG. 28, 1888

Wea.

In Office

Ther.

WEDNESDAY 29

Wea.

Mailed Angels  
 Fred Wilder helped  
 , 50. A. T. S

Ther.

THURS. AUG. 30, 1888

Wea.

At R meeting -

Ther.

FRIDAY 31

Wea

Met family at Lynn  
Feb Lecture - Dr Mason

Ther.

SAT. SEPT. 1, 1888

Wea.

Paul Ciller with  
monthly pay -  
Helen in Office

Ther.

SUNDAY 2

Wea.

At home  
Communion  
Conducted devotional  
services A.M.  
Bapt in evening

Ther.

MON. SEPT. 3, 1888

Wea.

Went to  
Utica

Ther.

TUESDAY 4

Wea.

Went to  
Oxford  
Spoke in an  
Orchard 3 P.M.  
Rev B. L. Brady  
class B

Ther.

WED. SEPT. 5, 1888

Wea.

Spoke in  
the Court  
House  
Orchard at  
evening

Ther.

THURSDAY 6

Wea.

Led to meeting  
romick ny.



Ther.

FRI. SEPT. 7, 1888

Wea.

Richfield  
Springs

Ther.

SUN. SEPT. 9, 1888

Wea.

Oxford Ms.  
Adm. Henry &  
S. S. Bayl Ch.

Coll \$9.34

Ther.

SATURDAY 8

Wea.

Oxford P. M.

Ther.

MONDAY 10

Wea.

To do Adams  
man - Geo Haven  
on train

Ther. TUES. SEPT. 11, 1888

Wea.

Home

Ther. THURS. SEPT. 13, 1888

Wea.

In Office

Ther. WEDNESDAY 12

Wea.

Lizzie & M  
& Sarah  
came  
In Office

Ther.

FRIDAY 14

Wea.

at home meeting

Ther. SAT. SEPT. 15, 1888 Wea.

Went to Wrenville  
N.Y. at Mr  
Martins -

Ther. MON. SEPT. 17, 1888 Wea.

Went to Wrenville  
N.Y. at Mr  
Martins -

Night at Wrenville

Ther. SUNDAY 16 Wea.

Stormy - A. L.  
Wrenville  
20th

Ther. TUESDAY 18 Wea.

Home



Ther.

WED. SEPT. 19, 1888

Wea. Ther.

FRI. SEPT. 21, 1888

Wea.

In Office

So

Rags moly

Ther.

THURSDAY 20

Wea.

Ther.

SATURDAY 22

Wea.

So

In Office

Ther.

SUN. SEPT. 23, 1888

Wea.

Ther.

TUES. SEPT. 25, 1888

Wea.

Home - Lizzie  
at ch -

I spoke  
at evening

In Office

Ther.

MONDAY 24

Wea.

Ther.

WEDNESDAY 26

Wea.

of Corn Meeting  
Johes Leonnell  
Howard Hitchcock  
Richard Morse  
Giles Gregg  
Sheldon Smith  
Miner Kneale  
Sanham - C. I.

Helen at No  
Audover -

Do

Ther. THURS. SEPT. 27, 1888

Wea.

Sed R meeting

Ther.

SAT. SEPT. 29, 1888

Wea.

In Office

Ther.

FRIDAY 28

Wea.

At Prayer  
meeting singing  
Spoke on  
H. Richards

Ther.

SUNDAY 30

Wea.

Bapt. A. M. Session  
by Mr. Watson  
Pastor.



Ther.

MON. OCT. 1, 1888

Wea.

Sh. Miss.  
 Meeting -  
 addresses by  
 Dr. Mearns  
 Dr. Thomas

Ther.

WED. OCT. 3, 1888

Wea.

Great Military Parade  
 8700 troops in  
 line

Ther.

TUESDAY 2

Wea.

In Office  
~~nothing~~

Ther.

THURSDAY 4

Wea.

In Office  
 Angels mailed

Ther.

FRI. OCT. 5, 1888

Wea.

In Office

Ther.

SUN. OCT. 7, 1888

Wea.

~~At home~~  
Luna  
Strong

Ther.

SATURDAY 6

Wea.

Next to Leeds me

Ther.

MONDAY 8

Wea.

Next to Lorington  
Call  
Seth Newell Leeds

Ther.

TUES. OCT. 9, 1888

Wea.

Leaving home  
Lucy G. Gay on  
train

Ther.

THURS. OCT. 11, 1888

Wea.

In Office

Ther.

WEDNESDAY 10

Wea.

In Office

Ther.

FRIDAY 12

Wea.

Regular meeting



Ther.

SAT. OCT. 13, 1888

Wea.

In Office

Ther.

SUNDAY 14

Wea.

Heard H. Mason  
S. W.

Spoke on Temperance  
at Bap Church  
W. C. S. W.

He Dinkard &  
Dunkard make  
are partners in  
a coal business  
Commandments  
Beethmetis

Ther.

MON. OCT. 15, 1888

Wea.

Major meeting  
Has Lutherburg  
of Berlin - Inter  
national Character  
influence of an  
American Church  
as the Center of  
a great Empire

Ther.

TUESDAY 16

Wea.

In Office  
Advocates  
new mailed  
in post badly  
papered -

Ther.

WED. OCT. 17, 1888

Wea.

Birth day - In  
Office - dinner  
at home at 6 P.M.

Ther.

THURSDAY 18

Wea.

In Office.  
Lecture at  
Norwood - 28th

Ther.

FRI. OCT. 19, 1888

Wea.

New York  
at A.P. Ch.

Ther.

SATURDAY 20

Wea.

at N.Y. & A. meeting  
in New York  
Harmah Bailly  
road report office  
Dep't  
Johnson

copy sent  
three for

Ther.

SUN. OCT. 21, 1888

Wea.

Plimouth Church  
 L. L. Bond. & Hott  
 arrived with him -  
 Evening at W. C. L. U.  
 in N. Y.

Ther.

TUES. OCT. 23, 1888

Wea.

at Providence  
 B. F. Knowles  
 & I came  
 left at meeting  
 3:17-3:30 P. M.  
 Lomen by R. V. Little

Ther.

MONDAY 22

Wea.

W. C. L. U. meeting  
 Abiding Notice of  
 Dr. Waig. Thomas  
 Resolutions of  
 Charles F. Johnson  
 & Congress for  
 Abolition

Ther.

WEDNESDAY 24

Wea.

L. L. M. A. Hager  
 meeting 8-9-  
 L. L. M. A. Hager



Ther. THURS. OCT. 25, 1888 Wea.

A.M. & all  
days Evening-

Ther. SAT. OCT. 27, 1888 Wea.

In Office

Ther. FRIDAY 26 Wea.

Home at C. Lick.  
Calls

Mr. Huntsman  
Mr. Daniels on  
Richie Harmon  
48. Wood St

Miss Graves - Hancher  
Mrs. Richard - making -  
Henry Anthony  
Erz Sharpless

Ther. SUNDAY 28 Wea.

At Home

Ther.

MON. OCT. 29, 1888

Wea.

*In Office*

Ther.

TUESDAY 30

Wea.

*Heard Gen Baub's &  
Brackett at  
a political meeting*

Ther.

WED. OCT. 31, 1888

Wea.

*In Office*

Ther.

THURSDAY, NOV. 1

Wea.

*In Office*

Ther.

FRI. NOV. 2, 1888

Wea.

At home  
meeting  
paid monthly  
bills.

Ther

SATURDAY 3

Wea.

Ther.

SUN. NOV. 4, 1888

Wea.

At home Ella joined  
the Church. In morning  
visited Frank &  
Spoke for A.M. in  
evening.

Ther.

SUN. NOV. 6

~~MONDAY 5~~

Wea.

Election day

Hammon Elected  
Pres. U. S. A.

I voted for him  
first vote in  
Abingdon 7. A.M.

Went to Rockport



Ther.

TUES. NOV. 6, 1883

Wea.

Last night at Mrs  
 Boulters - Call  
 Mr. Whipple. Mr. Richardson  
 Mrs. B. Parsons  
 Mr. Leonard - Mr  
 Saunders - Mrs  
 Eben Gott - Mrs  
 Neenan - night  
 Breakfast & Supper  
 at Mrs Boulters -  
 Mr Dennis - Mr  
 Lidder - Hadley &  
 Aaron - Mr E. Brooks  
 Sunday Sea

Ther.

WEDNESDAY 7

Wea.

Ther.

THURS. NOV. 8, 1883

Wea.

At W Medford  
 4<sup>th</sup> Anniversary  
 of going there

Ther.

FRIDAY 9

Wea.

Home Ranges  
 meeting

Ther.

SAT. NOV. 10, 1888

Wea.

Lizzie came from  
Sto. Hampton

Ther.

SUNDAY 11

Wea.

Preached A.M. & Evng  
on Peace attended  
S. S. Y. P. C. E. meeting  
at Mrs. Baker's

Lizzie R. & Lucie  
here

Ther.

MON. NOV. 12, 1888

Wea.

In Office

Evangelical Alliance  
made paper  
Dr. H. Russell spoke  
of Churches  
Cooperating in the  
same work

Ther.

TUESDAY 13

Wea.

In Office

Ther.

WED. NOV. 14, 1888

Wea.

At Mr Chubbuck  
meeting at  
W. Medford

Ther.

THURSDAY 15

Wea.

A. H. Prager meeting  
Rev. Clark D.D.  
led -  
"my meditations  
of thee shall be  
praise"

Ther.

FRI. NOV. 16, 1888

Wea.

Ther.

SATURDAY 17

Wea.



Ther.

SUN. NOV. 18, 1888

Wea.

~~Mr~~ Acheson Mass  
Miss  
Rev G W Stearns

Ther.

MONDAY 19

Wea

Addressed by three  
J. C. Gutterman  
at minister meeting.

Ther.

TUES. NOV. 20, 1888

Wea.

Ther.

WEDNESDAY 21

Wea.

Ther. THURS. NOV. 22, 1888 Wea.

Call. Rev Dr Wagner  
Messrs Tobey, Hitchcock  
etc. called at  
Office - calls in  
Arlington - Judge Tammeter -  
Jesse Lenden. Tolman, Wigg  
Charon. Mills. Luan

Ther. FRIDAY 23 Wea.

Left Arlington for  
meeting

Ther. SAT. NOV. 24, 1888 Wea.

Great storm tonight

Ther. SUNDAY 25 Wea.

Great storm all day  
Heavy wind  
100. heat still  
No evening meeting  
at Arlington

Read Snow Banner  
with Chilcote in  
evening & sing  
hymns  
Helen Brooks  
here

Ther.

MON. Nov. 26, 1888

Wea.

Storm Continued

Ex Comm Belgrum  
Hall. 2. Kell

Note for Nammamooka  
in Blaine - U.P.  
Union - in other

Ther.

WED. Nov. 28, 1888

Wea.

Clear day - In Office  
Mr. Jones called  
Walker & Kell " "

Sent off 45 Transcripts  
to people & Pres -

Helen B. Kell

Ther.

TUESDAY 27

Wea.

Storm Continued  
many meals on  
the coast

Wanted Angel  
of Peace

Helen B. Kell &  
Mr. H. in Office

Ther.

THURSDAY 29

Wea.

Thanksgiving



Ther.

FRI. NOV. 30, 1888

Wea.

Ther.

SUN. DEC. 2, 1888

Wea.

Reached J. V. Medford  
A. M. Shepard  
Bible class

Ther.

SATURDAY, DEC. 1

Wea.

Ther.

MONDAY 3

Wea.

Rev. E. Ford paid  
me 10¢

Ther.

TUE. DEC. 4, 1888

Wea.

Ther.

THURS. DEC. 6, 1888

Wea.

Ther.

WEDNESDAY 5

Wea.

Ther.

FRIDAY 7

Wea.

Ther.

SAT. DEC. 8, 1888

Wea.

Heard Rev M. Clark  
Hilington - Address  
S. S. and Sampson

Ther.

SUNDAY 9

Wea.

A

Ther.

MON. DEC. 10, 1888

Wea.

Ther.

TUESDAY 11

Wea.



Ther.

WED. DEC. 12, 1888

Wea.

Ther.

FRI. DEC. 14, 1888

Wea.

Left Boston at  
9-13 P.M.  
for Chicago

Mother died  
at Glenox, Ill.  
9-30 A.M.

Ther.

THURSDAY 13

Wea.

Ther.

SATURDAY 15

Wea.

In Office

Out

Ther.

SUN. DEC. 16, 1888

Wea.

Arrived at  
 Glenview at  
 9-30  
 Church - 10:45  
 Funeral of  
 Mrs. Walter  
 House 1 P.M.,  
 Church 1-30 P.M.,  
 Burial Rose Hill  
 3 P.M.

Ther.

MONDAY 17

Wea.

Chicago &  
 Glenview

Ther.

TUES. DEC. 18, 1888

Wea.

Chicago  
 Mema came from  
 Southampton

Ther.

WEDNESDAY 19

Wea.

Led Roger  
 water

Ther.

THURS. DEC. 20, 1888

Wea.

Glenn

Ther.

SAT. DEC. 22, 1888

Wea.

O. R. B.

Ther.

FRIDAY 21

Wea.

M. R. B. after  
2:30

Ther.

SUNDAY 23

Wea.

Arrived 10 A.M.  
to live & write  
to go to Church



Ther.

MON. DEC. 24, 1888

Wea.

In Office

Ther.

WED. DEC. 26, 1888

Wea.

Belgia's Ellen  
helped mail

Ther.

TUESDAY 25

Wea.

Xmas. At  
home all  
day

Ther.

THURSDAY 27

Wea.

In Office finished  
mailing angels

Ther.

FRI. DEC. 28, 1888

Wea.

In Office

Ther.

SUN. DEC. 30, 1888

Wea.

Reached No Ch (eng)  
 Providence - P.S. &  
 Y. meeting  
 in coll 10. 32 -

Ther.

SATURDAY 29

Wea.

In Office  
 mailed Calendar

Ther.

MONDAY 31

Wea.

In Office.  
 Sarah R. May  
 died -  
 Mott Julia  
 & B. Journal  
 Ella Hunt & W. Anderson  
 Helene Roeder  
 Boston

## MEMORANDA

May 3 ————— P 230  
 Inp & main — 1.10  
 R.R. expenses — 3.40  
 R.R. fare to Smith — 3.40  
 Horse at W. — .25  
 " " H. — .25  
 " " A. — .50  
 Dinner at A. — .50  
 Horse at W. — .50  
 Road fund — 1.00  
 Horse at A. — 1.00  
 Ration — .05  
 meals Bus — .70  
 Horse — 1.00  
 Rabbits — .75  
 Stockings — .42  
 R.R. ticket  
 Alton & John  
 Ticket — .75  
 Hack in road — .75  
 Shampoo — .20  
 Lunch — .30  
 Hotels — 3.00  
 Horse feeding — 2.00  
 Shirts, socks — 2.00

## MEMORANDA

Receipts  
 William Thompson 2.00  
 Adv. stop — 2  
 Coll Baileyville 11.34  
 L.B. H. Adv. 1.00  
 Mr. Bailey 2.00  
~~Mr. Thompson~~ 2.00  
 Mrs. Milner 1.00  
 Mrs. S. S. 2.00  
 Jensen  
 Susan Labor Thompson 5.00  
 Mr. Carter Adv. 1.50  
 Coll Halcum ell 4.00  
 Mrs. Griggs 1.00  
 Mrs. Hubbard 1.00



## MEMORANDA

## MEMORANDA

See about gill  
 & send to Larabee

See about two  
 & write to Uncle  
 L

See about my  
 Grandfather's

See about  
 Johnson paper  
 Angel W Medford  
 Apr 21

## MEMORANDA

Letters at Glenora  
From - Sox (2)  
" Richards 3  
Olt 2  
David 1  
Frank 1-

## MEMORANDA

## MEMORANDA

## MEMORANDA







## CASH ACCOUNT. MARCH.

Date. *Journal* Received. Paid.

## CASH ACCOUNT. MARCH.

Date. *Journal* Received. Paid.







## CASH ACCOUNT. JUNE

Date.	Received.	Paid.
13 Cooks Post	4 75	
" Coal 2 bluffs	3 75	
" Corn	1 00	
" Emily's Newland		
Shenwood, N.Y. A. Hertz		
Wile N.Y.	Rec'd	
85, 86, 87	3 00	
14 A.J. Horn for		
25 Oil in wood	22.50	ch
20 Shirts (6)	8 60	
25 Stocking (6)	2 75	
" Meats	3 00	
" R.R. L.R.	1 35	
" Baggage	60	
" R.R. 2 Bluffs	52	
" Neck ties	29	
" Bag Room 22	35	
27 L & L	50	
" Shredded meat	50	
" Oak Park	15 00	15 00
" Helen (ch)	20 00	
" Mother		10 00
" " Soc		2 00
" " Helen		15 00

## CASH ACCOUNT. JUNE.

Date.	Received.	Paid.
June. Mr. Gray	20 00	
" " "		10 00
" Helen R.R.		9 50
" Henry W. Ch	10 00	
" H. W. Anderson		8 00
" Hotel		2 10
" Lumber		56
10 Coll Phillips	3 70	
" Shirt &c		1 30
" Helen fund Aug	2 00	
" Medicine "		1 45
" O.R. to Leeds H.		3 00



## CASH ACCOUNT. JULY.

Date.	Particulars	Received	Paid
	Admitt		
	H. Howard	1 00	
	E. Gilman	2 00	
	Glencoe Ch	15 00	
	fair		
2	Lunch	55	
"	Supper	60	
3	Lunch Dinner	75	
"	do	30	
4	Breakfast	75	
"	Lunch	55	
"	Hotel	2 00	
5	R.R. Ticket	5 25	
6	Dinner	45	
7	"	35	
8	"	50	
"	Porter	35	
"	Passage	35	
"	Omibus	10	
3	Niagara	85	
"	R.R. to Geo R.	23 00	
10	R.R. Ticket	3 25	
"	Omibus	20	
"	Dinner	75	
"	Collar & Gties	40	
"	Shampoo	25	
"	Papers	20	

## CASH ACCOUNT. JULY.

Date.	Particulars	Received	Paid
2		20 33	
"	Helen Ch	20 00	
"	Reck	33 33	
"	A.P. J.	18 00	
"	Helen	50 00	
"	R.B. H.	25 00	
"	3300 Ch	30 00	
"	Helen	10 00	
"	R.B. H.	20 00	
8	Am. E. Gilman	2 00	
12	Am. Carey	3 00	
"	Am. Gilman	5 00	
"	E. Gilman	2 00	
"	R. Rodzmann	1 00	

CASH ACCOUNT. AUGUST.

## CASH ACCOUNT, 30 AUGUST.







CASH ACCOUNT. NOVEMBER.

CASH ACCOUNT. NOVEMBER.

CASH ACCOUNT, AUG. DECEMBER.

[illegible]

CASH ACCOUNT. 30 DECEMBER.







## BILLS PAYABLE. APRIL.

[illegible]

## BILLS PAYABLE. MAY.



## BILLS PAYABLE. JUNE.

## BILLS PAYABLE. JULY.

BILLS PAYABLE. AUGUST.

Date.	NAME.	Dolls.	Cts.	Date.
RECEIVABLE.				

## BILLS PAYABLE. SEPTEMBER.

NAME.		Dolls.	Cts.
RECEIVABLE.			

## BILLS PAYABLE. OCTOBER.

Date.	NAME.	Dolls.	Cts.
RECEIVABLE.			

## BILLS PAYABLE. IN NOVEMBER.



## BILLS PAYABLE. DECEMBER.

## MEMORANDA.

Date.

NAME.

Dolls.	Cts.
100	00
90	00
80	00
70	00
60	00
50	00
40	00
30	00
20	00
10	00
00	00

Dolls. Cts.

RECEIVABLE.

## MEMORANDA.

Date.

L.B.C.  
Golden Rule  
Adroscott  
Ceching

Dolls. Cts.

600

1,00

2,00

4,00

## ADDRESSES.

NAME.

STREET, No.

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## ADDRESSES

NAME. *Mr. N.W. Coeshman*  
STREET, No.  
CITY. *Hamington*  
NAME. *W. Green L.*  
STREET, No. *1024*  
CITY. *Broad, Col.*  
NAME. *Son of Caroline L.*  
STREET, No.  
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ADDRESSES.

[illegible]



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Gease Prince

Perm Arc 211<sup>18</sup> SC

Photo. Sec. & Min. of Bayfield, Wis.  
Washington D.C.

