

Table (d).--The Ginzel moon dates are written in decimal fractional form in Greenwich astronomical time, or, as is stated at the head of each table, "in mittlerer Zeit." This kind of time is reckoned from the previous noon. But, inasmuch as Schram's tables are in civil time, that is, the dates counted from the preceding midnight, it is better to change over the Ginzel dates to civil time. This is done by adding 12 hours, or .5 of a day, to each date, which is then counted as so many hours and minutes from the preceding midnight. Furthermore, seeing that the Bible events usually occur in Jerusalem, or its vicinity, the dates of both Ginzel and Schram, which are calculated on the Greenwich meridian, should be changed over to the Jerusalem meridian by adding 2 hours and 20 minutes to each date. Together with the 12 hours, this makes altogether  $14^h 20^m$  (or .59 day) to be added to the Ginzel dates, and  $2^h 20^m$  (or .09 day) to be added to each Schram date, in order to compute every problem in one and the same civil time on the Jerusalem meridian. If any other longitude comes into the problem, the meridional correction can be made in like manner upon the original dates of the tables, according to the number of hours east or west of Greenwich.

The meaning of the moon date in decimal form should be definitely understood. For example, an April date for the new moon, as IV 10.23, by no means represents 10 complete days in April, and .23 day (or  $5^h 30^m$ ) in addition. It is, however, an instant of time, that signifies the 5th hour and 30th minute of the 10th day of April, and therefore does not include the unspent balance of the day. This important feature enters into the computation of calendar intervals, as, for instance, the translation period (Cf. Chapter III).

The decimal fractional form of the moon date is the simplest and easiest to handle, it being seldom necessary to reduce the decimal to its corresponding hours and minutes. One soon learns that .25 = 6 hours, or 6:00 a.m.; .5 = 12 hours, or 12 M; .75 = 18 hours, or 6:00 p.m., etc. It is essential to remember that every moon date with a decimal less than .75 is before sunset, while every date above .75 is after sunset.

By referring to the tables, it may be observed that frequently there are months that have two moons -- one very early in the month, and one very late. Sometimes the addition of .59 will advance a moon date into the subsequent month. This must of course be recognized and so designated.

KALENDARIOGRAPHISCHE UND CHRONOLOGISCHE TAFELN  
(Dr. Robert Schram. Leipzig, 1908)

Table (e).--The tables from Schram's "Tafeln" are a supplement to the Ginzel tables, whose full moons extend only from 500 B.C. to 100 A.D. In Chapter II, the problem of computing the moon's phases is demonstrated, and for convenience, the details are here repeated, the new moon of the Cambyse tablet, in the seventh year of Artaxerxes, being taken as an example. The year was 523 B.C., as confirmed by Ptolemy. Computation is made from Schram's tables for the astronomical year 522:

523 B.C. = Common Julian and common Jewish. January 1 = Thursday. See Table (f) in Appendix.

April 0	= 1 5 3 0 4 8 7	(Julian day number, G.C.T.)	p. 23
(c)	8 2 0 6	(diff.) <sup>a</sup> b	
(d)	1 5 2 2 2 8 1	. 3 3 358 350 (no. next below Apr 0)	p. 357
(e)	8 2 0 9	. 5 0 375 190 (no. nearest to 8206)	p. 359
(f)	1 5 3 0 4 9 0	. 8 3 733 540 (approximate new moon)	
		. 7 8 (Argument a)	
		. 3 1 (Argument b)	
		. 0 9 (Correction for Jerusalem longitude)	
	1 5 3 0 4 9 2	. 0 1 (Julian day number for April conj.)	
	1 5 3 0 4 8 7	Subtract April 0 number	
	April 5	. 0 1 (Conjunction, J.C.T.)	
		(Sunday)	

Ginzel gives the same date in his tables for 523 B.C.

In the foregoing problem, columns a and b add up to 733 and 540, giving remainders of 333(a,) and 140(b,), after subtracting the table interval of 400. In Argument a (p. 359), the number 333 is 3/10 of the distance from 330 to 340, and hence its corresponding new moon correction (1st column) would be 3/10 of the difference between .79 and .75 (= .04), which = 3/10 x .04, or .012. Disregard the last figure of the decimal, and subtract .01 from .79, and get .78 of a day correction for Argument a. In the new moon column of Argument b, the index figure 140(b,) points directly to .31 as the correction. Set down both these corrections under line (f), including the correction for the Jerusalem longitude, and add up. Subtract the April 0 number, and the remainder is the April date for conjunction, Jerusalem civil time, in the year 523 B.C.

The moon dates in Table (g) are taken from Ginzel, whose tables, like Schram's, are correct within half an hour. These dates in Table (g) have been reduced to Jerusalem civil time by adding to each .59 of a day ( $14^{\text{h}} 20^{\text{m}}$ ). The 14 Nisan date was obtained by adding one day to the before-sunset full moons, and two days to the after-sunset full moons, as discussed in Chapter I. The translation periods were computed from the hour of conjunction to the sunset beginning of 1 Nisan, and the moon's waxing period, by subtracting the conjunction date from the succeeding full moon date. The length of the year was counted between two successive Nisan dates. The sunsets were taken from the American Ephemeris. The year 89 is an illustration, where the decimal .72 has to be taken as an after-sunset full moon, for otherwise the translation period would be less than a day. In this calendar, the Nisan translation period, on the Jerusalem meridian, is never less than a whole day.

FIFTH CENTURY B.C. MOONS AND INTERVALS -- Table (g)  
(Jerusalem Civil Time)

B.C.	Conjunction	Tr 1 Nisan	Period (Days)	Full Moon	14 Nisan	Waxing Period (Days)	Year Length	
450	Apr 8.02	Apr 10	T 1.75	Apr 22.26	Apr 23	14.24		
449	Mar 27.05	Mar 30	T 2.71	Apr 10.95	Apr 12	14.90	355	
448	Apr 14.76	Apr 18	M 3.01	Apr 29.97	May 1	15.21	384	
447	Apr 4.02	Apr 7	F 2.75	Apr 19.56	Apr 20	15.54	354	
G & H	446	Mar 24.59	Mar 28	W 3.17	Apr 8.89	Apr 10	15.30	355
445	Apr 11.61	Apr 14	M 2.16	Apr 26.61	Apr 27	15.00	383	
444	Apr 1.31	Apr 3	F 1.46	Apr 15.63	Apr 16	14.32	354	
443	Apr 20.28	Apr 22	T 1.49	May 4.33	May 5	14.05	384	
442	Apr 9.71	Apr 11	M 1.06	Apr 23.66	Apr 24	13.95	354*	
441	Mar 28.84	Mar 31	S 1.92	Apr 12.26	Apr 13	14.42	355	
F	440	Apr 16.52	Apr 19	F 2.25	Apr 31.28	May 2	14.76	384
439	Apr 5.60	Apr 9	W 3.17	Apr 20.96	Apr 22	15.36	355	
438	Mar 25.97	Mar 29	S 2.79	Apr 10.49	Apr 11	15.52	354	
437	Apr 12.92	Apr 16	S 2.85	Apr 28.31	Apr 29	15.39	384	
436	Apr 2.61	Apr 5	W 2.16	Apr 17.42	Apr 18	14.81	354	
435	Apr 21.62	Apr 24	T 2.16	May 6.09	May 7	14.47	384	
434	Apr 11.24	Apr 13	S 1.53	Apr 25.20	Apr 26	13.96	354	
433	Mar 30.58	Apr 1	W 1.19	Apr 13.61	Apr 14	14.03	354	
432	Apr 18.30	Apr 20	T 1.47	May 2.56	May 3	14.26	384	
431	Apr 7.33	Apr 10	S 2.44	Apr 22.27	Apr 23	14.94	355	
430	Mar 27.48	Mar 31	F 3.28	Apr 11.95	Apr 13	15.47	355	
429	Apr 14.34	Apr 18	T 3.43	Apr 29.86	May 1	15.52	384	
428	Apr 3.91	Apr 7	M 2.86	Apr 19.16	Apr 20	15.25	354	
427	Mar 24.61	Mar 27	F 2.15	Apr 8.22	Apr 9	14.61	354	
426	Apr 12.63	Apr 15	T 2.14	Apr 26.90	Apr 28	14.27	384	
425	Apr 1.16	Apr 3	M 1.60	Apr 15.09	Apr 16	13.93	354	
424	Apr 19.99	Apr 22	S 1.78	May 3.96	May 5	13.97	384	
423	Apr 9.11	Apr 11	T 1.66	Apr 23.57	Apr 24	14.46	354*	
422	Mar 29.14	Apr 1	T 2.63	Apr 13.29	Apr 14	15.15	355	
421	Apr 15.89	Apr 19	M 2.88	Apr 31.28	May 2	15.39	384	
H	420	Apr 5.28	Apr 9	S 3.49	Apr 20.79	Apr 22	15.51	355
419	Mar 25.91	Mar 29	W 2.85	Apr 10.00	Apr 11	15.09	354	
418	Apr 13.93	Apr 16	M 1.84	Apr 28.68	Apr 29	14.75	383	
417	Apr 2.61	Apr 4	F 1.16	Apr 16.73	Apr 17	14.12	354	
J	416	Apr 21.54	Apr 23	T 1.23	May 5.49	May 6	13.95	384
415	Apr 10.86	Apr 13	T 1.91	Apr 24.93	Apr 26	14.07	355	
414	Mar 30.92	Apr 2	S 1.85	Apr 14.57	Apr 15	14.65	354	
413	Apr 17.60	Apr 20	F 2.17	May 2.59	May 3	14.99	384	
412	Apr 6.78	Apr 10	W 2.99	Apr 22.26	Apr 23	15.48	355	
K	411	Mar 27.24	Mar 30	S 2.52	Apr 11.68	Apr 12	15.44	354
410	Apr 15.23	Apr 18	S 2.54	Apr 30.45	May 1	15.22	384	
409	Apr 3.93	Apr 6	W 1.84	Apr 18.49	Apr 19	14.56	354	
408	Mar 24.56	Mar 26	S 1.20	Apr 7.59	Apr 8	14.03	354	
407	Apr 12.46	Apr 14	S 1.31	Apr 26.39	Apr 27	13.93	384	
406	Apr 1.70	Apr 4	T 2.07	Apr 15.89	Apr 17	14.19	355	
405	Apr 19.40	Apr 22	W 2.37	May 3.88	May 5	14.48	384	
404	Apr 8.44	Apr 11	S 2.33	Apr 23.60	Apr 24	15.16	354*	
403	Mar 28.68	Apr 1	F 3.09	Apr 13.21	Apr 14	15.53	355	
402	Apr 16.58	Apr 20	T 3.19	May 2.08	May 3	15.50	384	
401	Apr 5.23	Apr 8	M 2.54	Apr 20.29	Apr 21	15.06	354	

The asterisk (\*) marks the beginning of the 19-year cycle

OK

FIFTH CENTURY B.C. MOONS AND INTERVALS -- Table (g)  
(Jerusalem Civil Time)

	B.C.	Conjunction	1 Nisan	Tr. Period (Days)	Full Moon	14 Nisan	Waxing Period (Days)	Year Length
T	500	Apr 19.45	Apr 23	T 3.32	May 24.96	May 26	15.51	
F	499	Apr 8.96	Apr 12	M 2.80	Apr 24.35	Apr 25	15.39	354 *
S	498	Mar 29.65	Apr 1	F 2.10	Apr 13.43	Apr 14	14.78	354
Z	497	Apr 16.68	Apr 19	T 2.09	Apr 31.10	May 2	14.42	384
T	496	Apr 6.27	Apr 8	M 1.59	Apr 20.24	Apr 21	13.97	354
W	495	Mar 26.61	Mar 28	F 1.14	Apr 9.66	Apr 10	14.05	354
T	494	Apr 14.33	Apr 16	T 1.44	Apr 28.61	Apr 29	14.28	384
F	493	Apr 2.34	Apr 5	T 2.43	Apr 17.32	Apr 18	14.98	355
Z	492	Apr 21.07	Apr 24	M 2.71	May 6.33	May 7	15.26	384
M	491	Apr 10.38	Apr 14	S 3.39	Apr 25.92	Apr 27	15.54	355
T	490	Mar 30.95	Apr 3	W 2.82	Apr 15.20	Apr 16	15.25	354
W	489	Apr 17.98	Apr 21	T 2.79	May 2.91	May 4	14.93	384
F	488	Apr 7.68	Apr 10	S 2.09	Apr 21.93	Apr 23	14.25	354
S	487	Mar 28.20	Mar 30	W 1.56	Apr 11.13	Apr 12	13.93	354
Z	486	Apr 16.03	Apr 18	T 1.74	Apr 30.00	May 1	13.97	384
M	485	Apr 4.14	Apr 6	S 1.63	Apr 18.62	Apr 19	14.48	354
W	484	Mar 24.17	Mar 27	T 2.59	Apr 8.33	Apr 9	15.16	355
T	483	Apr 11.92	Apr 15	W 2.85	Apr 27.32	Apr 28	15.40	384
F	482	Apr 1.32	Apr 5	M 3.45	Apr 16.82	Apr 18	15.50	355
S	481	Apr 19.28	Apr 22	S 2.49	May 4.63	May 5	15.35	383
M	480	Apr 8.99	Apr 11	W 1.78	Apr 23.71	Apr 24	14.72	354 *
T	479	Mar 29.64	Apr 1	M 2.12	Apr 12.75	Apr 14	14.11	355
W	478	Apr 17.58	Apr 19	S 1.19	Apr 31.52	May 2	13.94	383
T	477	Apr 5.90	Apr 8	T 1.87	Apr 19.97	Apr 21	14.07	355
S	476	Mar 25.95	Mar 28	M 1.81	Apr 9.62	Apr 10	14.67	354
Z	475	Apr 13.64	Apr 16	Z 2.13	Apr 28.63	Apr 29	14.99	384
M	474	Apr 2.80	Apr 6	F 2.97	Apr 18.30	Apr 19	15.50	355
T	473	Apr 20.68	Apr 24	T 3.00	May 6.21	May 7	15.53	384
T	472	Apr 10.27	Apr 13	M 2.50	Apr 25.48	Apr 26	15.21	354
A F	471	Mar 30.98	Apr 2	F 1.78	Apr 14.52	Apr 15	14.54	354
S	470	Apr 18.99	Apr 21	T 1.78	May 3.20	May 4	14.21	384
Z	469	Apr 7.51	Apr 9	M 1.26	Apr 21.42	Apr 22	13.91	354
T	468	Mar 27.73	Mar 30	S 2.03	Apr 10.94	Apr 12	14.21	355
W	467	Apr 15.42	Apr 18	F 2.35	Apr 29.93	May 1	14.51	384
T	466	Apr 4.45	Apr 7	T 2.32	Apr 19.65	Apr 20	15.20	354
F	465	Apr 22.21	Apr 25	M 2.57	May 7.63	May 8	15.42	384
Z	464	Apr 11.63	Apr 15	S 3.14	Apr 27.11	Apr 28	15.48	355
M	463	Apr 1.29	Apr 4	W 2.48	Apr 16.32	Apr 17	15.03	354
T	462	Apr 20.30	Apr 23	T 2.47	May 4.99	May 6	14.69	384
W	461	Apr 8.96	Apr 11	S 1.81	Apr 23.04	Apr 24	14.08	354 *
F	460	Mar 29.40	Mar 31	W 1.36	Apr 12.34	Apr 13	13.94	354
S	459	Apr 17.18	Apr 19	T 1.59	Apr 31.27	May 2	14.09	384
Z	458	Apr 6.23	Apr 9	Z 2.54	Apr 20.95	Apr 22	14.72	355
M	457	Mar 25.31	Mar 28	T 2.45	Apr 9.64	Apr 10	15.33	354
W	456	Apr 13.12	Apr 16	W 2.65	Apr 28.61	Apr 29	15.49	384
T	455	Apr 2.61	Apr 6	M 3.16	Apr 18.03	Apr 19	15.42	355
F	454	Apr 21.59	Apr 25	Z 3.14	May 6.77	May 8	15.18	384
S	453	Apr 10.31	Apr 13	T 2.46	Apr 24.81	Apr 26	14.50	354 <i>May be May 7</i>
M	452	Mar 30.92	Apr 2	M 1.85	Apr 13.91	Apr 15	13.99	354
T	451	Apr 18.82	Apr 21	Z 1.95	May 2.73	May 4	13.91	384 + 354 +

Mar. = +1  
Apr 1-23 = +2  
Apr 24-May 8 = +3

The asterisk (\*) marks the beginning of the 19-year cycle.

OK

FIRST CENTURY MOONS AND INTERVALS TABLE I  
(Jerusalem Civil Time)

A.D.	Conjunction	1 Nisan	Day of Week	Tr. Period (Days)	Full Moon	14 Nisan	From Con. to F.M. (Days)	Year Length (Days)
1*	Apr 12.49	Apr 14	Thur	1.28	Apr 26.40	Apr 27	13.91	355
2	Apr 1.72	Apr 4	Tues	2.05	Apr 15.91	Apr 17	14.19	384
3*	Apr 20.41	Apr 23	Mon	2.36	May 4.90	May 6	14.49	354
4	Apr 8.44	Apr 11	Fri	2.33	Apr 23.62	Apr 24	15.18	355
5	Mar 28.69	Apr 1	Wed	3.07	Apr 13.22	Apr 14	15.53	384
6*	Apr 16.60	Apr 20	Tues	3.17	May 2.09	May 3	15.49	354
7	Apr 6.25	Apr 9	Sat	2.52	Apr 21.31	Apr 22	15.06	354
8	Mar 25.96	Mar 28	Wed	1.80	Apr 9.33	Apr 10	14.37	384
9*	Apr 13.94	Apr 16	Tues	1.83	Apr 28.02	Apr 29	14.08	354
10	Apr 3.38	Apr 5	Sat	1.39	Apr 17.33	Apr 18	13.95	355
11	Mar 23.53	Mar 26	Thur	2.23	Apr 6.90	Apr 8	14.37	384
12*	Apr 10.23	Apr 13	Wed	2.54	Apr 24.92	Apr 26	14.69	354
13	Mar 30.28	Apr 2	Sun	2.48	Apr 14.61	Apr 15	15.33	384
14*	Apr 18.09	Apr 21	Sat	2.68	May 3.58	May 4	15.49	355
15	Apr 7.57	Apr 11	Thur	3.20	Apr 22.99	Apr 24	15.42	354
16	Mar 27.25	Mar 30	Mon	2.51	Apr 11.11	Apr 12	14.86	384
17*	Apr 15.27	Apr 18	Sun	2.50	Apr 29.78	May 1	14.51	354
18	Apr 4.89	Apr 7	Thur	1.88	Apr 18.89	Apr 20	14.00	354
19	Mar 25.26	Mar 27	Mon	1.50	Apr 8.27	Apr 9	14.01	384
20*	Apr 12.00	Apr 14	Sun	1.77	Apr 26.21	Apr 27	14.21	355
21	Apr 1.03	Apr 4	Fri	2.73	Apr 15.92	Apr 17	14.89	384
22*	Apr 19.74	Apr 23	Thur	3.03	May 4.93	May 6	15.19	354
23	Apr 9.00	Apr 12	Mon	2.77	Apr 24.53	Apr 25	15.53	355
24	Mar 28.55	Apr 1	Sat	3.21	Apr 12.86	Apr 14	15.31	383
25*	Apr 16.57	Apr 19	Thur	2.20	May 1.58	May 2	15.01	354
26	Apr 6.28	Apr 8	Mon	1.49	Apr 20.60	Apr 21	14.32	355
27	Mar 26.83	Mar 29	Sat	1.93	Apr 9.76	Apr 11	13.93	383
28*	Apr 13.68	Apr 15	Thur	1.09	Apr 27.62	Apr 28	13.94	355
29	Apr 2.82	Apr 5	Tues	1.95	Apr 17.21	Apr 18	14.39	355
30	Mar 22.84	Mar 26	Sun	2.93	Apr 6.93	Apr 8	15.09	384
31*	Apr 10.58	Apr 14	Sat	3.19	Apr 25.94	Apr 27	15.36	354
32	Mar 29.95	Apr 2	Wed	2.81	Apr 14.47	Apr 15	15.52	384
33*	Apr 17.90	Apr 21	Tues	2.87	May 3.29	May 4	15.39	354
34	Apr 7.58	Apr 10	Sat	2.19	Apr 22.40	Apr 23	14.82	354
35	Mar 28.27	Mar 30	Wed	1.49	Apr 11.43	Apr 12	14.16	384
36*	Apr 15.21	Apr 17	Tues	1.56	Apr 29.19	Apr 30	13.98	354
37	Apr 4.56	Apr 6	Sat	1.21	Apr 18.59	Apr 19	14.03	355
38	Mar 24.62	Mar 27	Thur	2.24	Apr 8.23	Apr 9	14.61	384
39*	Apr 12.31	Apr 15	Wed	2.46	Apr 27.25	Apr 28	14.94	355
40	Mar 31.46	Apr 4	Mon	3.30	Apr 15.92	Apr 17	15.46	384
41*	Apr 19.33	Apr 23	Sun	3.44	May 4.85	May 6	15.52	354
42	Apr 8.87	Apr 12	Thur	2.90	Apr 24.15	Apr 25	15.28	354
43	Mar 29.58	Apr 1	Mon	2.18	Apr 13.21	Apr 14	14.63	384
44*	Apr 16.60	Apr 19	Sun	2.17	Apr 30.90	May 2	14.30	354
45	Apr 6.14	Apr 8	Thur	1.63	Apr 20.07	Apr 21	13.93	354
46	Mar 26.40	Mar 28	Mon	1.42	Apr 9.55	Apr 10	14.15	384
47*	Apr 14.11	Apr 16	Sun	1.66	Apr 28.54	Apr 29	14.43	355
48	Apr 2.14	Apr 5	Fri	2.63	Apr 17.26	Apr 18	15.12	355
49	Mar 22.35	Mar 26	Wed	3.41	Apr 6.88	Apr 8	15.53	384
50*	Apr 10.25	Apr 14	Tues	3.52	Apr 25.77	Apr 27	15.52	354

\*The asterisk marks the years having a Veadar spring.

Conjunction and Full Moon dates taken from Ginzel's "Chronologie."

FIRST CENTURY B.C. MOONS AND INTERVALS -- Table (g)  
(Jerusalem Civil Time)

B.C.	Conjunction	1 Nisan	Tr. Period (Days)	Full Moon	14 Nisan	Waxing Period (Days)	Year Length
50	Mar 26.33	Mar 29	2.43	Apr 10.66	Apr 11	15.33	
49	Apr 13.14	Apr 16	2.63	Apr 28.63	Apr 29	15.49	384
48	Apr 2.62	Apr 6	3.15	Apr 18.04	Apr 19	15.42	355
47	Mar 23.31	Mar 26	2.45	Apr 7.17	Apr 8	14.86	354
46	Apr 11.33	Apr 14	2.44	Apr 25.83	Apr 27	14.50	384
45	Mar 30.94	Apr 2	1.82	Apr 13.93	Apr 15	13.99	354
44	Apr 18.84	Apr 21	1.93	May 2.75	May 4	13.91	384
43	Apr 8.03	Apr 10	1.74	Apr 22.27	Apr 23	14.24	354*
42	Mar 28.05	Mar 31	2.71	Apr 11.98	Apr 13	14.93	355
41	Apr 14.77	Apr 18	3.00	Apr 29.99	May 1	15.22	384
40	Apr 4.05	Apr 7	2.72	Apr 19.59	Apr 20	15.54	354
39	Mar 24.61	Mar 28	3.15	Apr 8.90	Apr 10	15.29	355
38	Apr 12.63	Apr 15	2.16	Apr 27.62	Apr 28	14.99	383
37	Apr 1.33	Apr 3	1.43	Apr 15.65	Apr 16	14.32	354
36	Apr 20.31	Apr 22	1.46	May 4.36	May 5	14.05	384
35	Apr 9.72	Apr 11	1.05	Apr 23.67	Apr 24	13.95	354
34	Mar 29.85	Apr 1	1.91	Apr 13.27	Apr 14	14.42	355
33	Apr 16.54	Apr 19	2.23	Apr 31.29	May 2	14.75	384
32	Apr 5.62	Apr 9	3.15	Apr 20.98	Apr 22	15.36	355
31	Mar 25.99	Mar 29	2.77	Apr 10.51	Apr 11	15.52	354
30	Apr 13.94	Apr 17	2.83	Apr 29.33	Apr 30	15.39	384
29	Apr 2.63	Apr 5	2.14	Apr 17.44	Apr 18	14.81	354
28	Mar 23.30	Mar 25	1.46	Apr 6.47	Apr 7	14.17	354
27	Apr 11.25	Apr 13	1.52	Apr 25.22	Apr 26	13.97	384
26	Mar 31.60	Apr 2	1.16	Apr 14.63	Apr 15	14.03	354
25	Apr 18.33	Apr 20	1.44	May 2.59	May 3	14.26	384
24	Apr 7.34	Apr 10	2.43	Apr 22.28	Apr 23	14.94	355*
23	Mar 27.49	Mar 31	3.27	Apr 11.97	Apr 13	15.48	355
22	Apr 15.36	Apr 19	3.41	Apr 30.89	May 2	15.53	384
21	Apr 3.92	Apr 7	2.85	Apr 19.19	Apr 20	15.27	354
20	Mar 24.63	Mar 27	2.13	Apr 8.23	Apr 9	14.60	354
19	Apr 12.65	Apr 15	2.12	Apr 26.92	Apr 28	14.27	384
18	Apr 2.19	Apr 4	1.58	Apr 16.12	Apr 17	13.93	354
17	Apr 20.01	Apr 22	1.76	May 3.98	May 5	13.97	384
16	Apr 9.13	Apr 11	1.64	Apr 23.58	Apr 24	14.45	354
15	Mar 29.16	Apr 1	2.60	Apr 13.31	Apr 14	15.15	355
14	Apr 16.91	Apr 20	2.86	May 2.29	May 3	15.38	384
13	Apr 5.30	Apr 9	3.47	Apr 20.81	Apr 22	15.51	355
12	Mar 25.93	Mar 29	2.83	Apr 10.02	Apr 11	15.09	354
11	Apr 13.96	Apr 16	1.81	Apr 28.71	Apr 29	14.75	383
10	Apr 3.62	Apr 6	2.15	Apr 17.74	Apr 19	14.12	355
9	Mar 23.08	Mar 25	1.68	Apr 6.03	Apr 7	13.95	354
8	Apr 10.88	Apr 13	1.89	Apr 24.94	Apr 26	14.06	384
7	Mar 30.95	Apr 2	1.81	Apr 14.60	Apr 15	14.65	354
6	Apr 18.63	Apr 21	2.14	May 3.60	May 4	14.97	384
5	Apr 6.79	Apr 10	2.98	Apr 22.27	Apr 23	15.48	355*
4	Mar 27.26	Mar 31	2.50	Apr 11.71	Apr 12	15.45	355
3	Apr 15.24	Apr 18	2.53	Apr 30.47	May 1	15.23	383
2	Apr 4.95	Apr 7	1.82	Apr 19.51	Apr 20	14.56	354
1	Mar 24.59	Mar 26	1.17	Apr 7.60	Apr 8	14.01	354

The asterisk (\*) marks the beginning of the 19-year cycle

FIRST CENTURY MOONS AND INTERVALS - Table (g)  
(Jerusalem Civil Time)

A.D.	Conjunction	1 Nisan	Tr.	Full Moon	14 Nisan	From Con.	Year
			Period			to F.M.	Length
			(Days)				(Days)
F 51	Mar 30.88	Apr 3	S 2.88	Apr 14.99	Apr 16	15.11	383
S 52	Apr 17.91	Apr 20	T 1.86	May 2.68	May 3	14.77	355*
M 53	Apr 7.58	Apr 10	T 2.19	Apr 21.72	Apr 22 <sup>3</sup>	14.14	354
T 54	Mar 28.05	Mar 30	S 1.71	Apr 10.99	Apr 12	13.94	384
W 55	Apr 15.86	Apr 18	F 1.91	Apr 29.90	May 1	14.04	354
T 56	Apr 3.91	Apr 6	T 1.86	Apr 18.54	Apr 19	14.63	355
S 57	Mar 23.96	Mar 27	S 2.80	Apr 8.26	Apr 9	15.30	384
S 58	Apr 11.76	Apr 15	S 3.01	Apr 27.24	Apr 28	15.48	354
M 59	Apr 1.22	Apr 4	W 2.55	Apr 16.67	Apr 17	15.45	384
T 60	Apr 19.20	Apr 22	T 2.57	May 4.44	May 5	15.24	354
T 61	Apr 8.90	Apr 11	S 1.87	Apr 23.48	Apr 24	14.58	354
F 62	Mar 29.54	Mar 31	W 1.22	Apr 12.57	Apr 13	14.03	384
S 63	Apr 17.45	Apr 19	T 1.32	May 1.37	May 2	13.92	355
S 64	Apr 5.69	Apr 8	S 2.08	Apr 19.86	Apr 21	14.17	354
T 65	Mar 25.72	Mar 28	T 2.04	Apr 9.55	Apr 10	14.83	384
W 66	Apr 13.42	Apr 16	W 2.35	Apr 28.57	Apr 29	15.15	355
T 67	Apr 2.66	Apr 6	M 3.11	Apr 18.18	Apr 19	15.52	354
F 68	Mar 22.19	Mar 25	F 2.57	Apr 6.54	Apr 7	15.35	384
S 69	Apr 10.20	Apr 13	T 2.57	Apr 25.28	Apr 26	15.08	354
M 70	Mar 30.91	Apr 2	M 1.85	Apr 14.29	Apr 15	14.38	384
T 71	Apr 18.89	Apr 21	S 1.88	May 2.99	May 4	14.10	354*
W 72	Apr 7.35	Apr 9	T 1.42	Apr 21.29	Apr 22	13.94	355
F 73	Mar 27.52	Mar 30	T 2.24	Apr 10.85	Apr 12	14.33	384
S 74	Apr 15.20	Apr 18	M 2.57	Apr 29.87	May 1	14.67	354
S 75	Apr 4.25	Apr 7	F 2.52	Apr 19.56	Apr 20	15.31	355
M 76	Mar 23.59	Mar 27	W 3.17	Apr 8.13	Apr 9	15.54	384
W 77	Apr 11.53	Apr 15	T 3.24	Apr 26.97	Apr 28	15.44	354
T 78	Apr 1.20	Apr 4	S 2.56	Apr 16.09	Apr 17	14.89	384
F 79	Apr 20.23	Apr 23	F 2.54	May 4.76	May 6	14.53	354
S 80	Apr 8.85	Apr 11	T 1.92	Apr 22.85	Apr 24	14.00	354
M 81	Mar 29.23	Mar 31	S 1.53	Apr 12.23	Apr 13	14.00	384
T 82	Apr 16.97	Apr 19	F 1.80	May 1.17	May 2	14.20	355
W 83	Apr 6.00	Apr 9	W 2.77	Apr 20.87	Apr 22	14.87	354
T 84	Mar 25.12	Mar 28	S 2.64	Apr 9.55	Apr 10	15.43	384
S 85	Apr 12.97	Apr 16	S 2.80	Apr 28.49	Apr 29	15.52	355
S 86	Apr 2.51	Apr 6	T 3.26	Apr 17.83	Apr 19	15.32	354
M 87	Mar 23.20	Mar 26	M 2.56	Apr 6.90	Apr 8	14.70	383
T 88	Apr 10.23	Apr 12	S 1.54	Apr 24.57	Apr 25	14.34	355
T 89	Mar 30.79	Apr 2	T 1.97	Apr 13.72	Apr 15	13.93	383
F 90	Apr 18.65	Apr 20	T 1.12	May 2.58	May 3	13.93	355*
S 91	Apr 7.79	Apr 10	S 1.98	Apr 22.17	Apr 23	14.38	355
S 92	Mar 26.82	Mar 30	F 2.94	Apr 10.88	Apr 12	15.06	384
T 93	Apr 14.55	Apr 18	T 3.22	Apr 29.88	May 1	15.33	354
W 94	Apr 3.89	Apr 7	T 2.83	Apr 19.42	Apr 20	15.53	354
T 95	Mar 24.50	Mar 27	F 2.26	Apr 8.68	Apr 9	15.18	384
F 96	Apr 11.52	Apr 14	T 2.25	Apr 26.37	Apr 27	14.85	354
S 97	Apr 1.21	Apr 3	M 1.55	Apr 15.39	Apr 16	14.18	384
M 98	Apr 20.16	Apr 22	S 1.61	May 4.14	May 5	13.98	354
T 99	Apr 9.52	Apr 11	T 1.25	Apr 23.53	Apr 24	14.01	355
W 100	Mar 28.59	Mar 31	T 2.17	Apr 12.17	Apr 13	14.58	355

The asterisk marks the beginning of the 19-year cycle.



Table III TISRI CALENDAR

(1 Nisan + 177 days = 1 Tisri)

1 Nisan	1 Tisri	1 Nisan	1 Tisri
Mar 23	-- Sept 16	Apr 17	-- Oct 11
Mar 24	-- Sept 17	Apr 18	-- Oct 12
Mar 25	-- Sept 18	Apr 19	-- Oct 13 *
Mar 26	-- Sept 19	Apr 20	-- Oct 14
Mar 27	-- Sept 20 *	Apr 21	-- Oct 15
Mar 28	-- Sept 21	Apr 22	-- Oct 16
Mar 29	-- Sept 22 *	Apr 23	-- Oct 17
Mar 30	-- Sept 23	Apr 24	-- Oct 18 *
Mar 31	-- Sept 24	Apr 25	-- Oct 19
Apr 1	-- Sept 25	Apr 26	-- Oct 20
Apr 2	-- Sept 26	Apr 27	-- Oct 21
Apr 3	-- Sept 27	Apr 28	-- Oct 22
Apr 4	-- Sept 28	Apr 29	-- Oct 23
Apr 5	-- Sept 29	Apr 30	-- Oct 24
Apr 6	-- Sept 30	May 1	-- Oct 25
Apr 7	-- Oct 1	May 2	-- Oct 26
Apr 8	-- Oct 2	May 3	-- Oct 27
Apr 9	-- Oct 3	May 4	-- Oct 28
Apr 10	-- Oct 4 *	May 5	-- Oct 29
Apr 11	-- Oct 5	May 6	-- Oct 30
Apr 12	-- Oct 6 *	May 7	-- Oct 31
Apr 13	-- Oct 7	May 8	-- Nov 1
Apr 14	-- Oct 8	May 9	-- Nov 2
Apr 15	-- Oct 9 *	May 10	-- Nov 3
Apr 16	-- Oct 10	May 11	-- Nov 4

Table III presents an easy method of reckoning the autumn feast dates of any Jewish year. (For full discussion of the accuracy of the 177-day reckoning, review Chapter III.) Upon whatever day of the week the Nisan new year falls, the Tisri new year occurs the second <sup>week</sup> day after. If 1 Nisan is on Monday, then 1 Tisri is Wednesday, and the 8th and 15th of Tisri would also be Wednesday. Hence, the Feast of Tabernacles always began on the second <sup>week</sup> day after the first <sup>week</sup> day of Nisan. The following are important synchronisms between the Sabbath day and historic dates, which are based upon the 177-day reckoning:

- Sabbath, 8 Tisri, 1015 B.C. -- Dedication of the first temple.
- Sabbath, 1 Tisri, 444 B.C. -- Ezra reads the law in the Sabbathical year.
- Sabbath, 25 Kisleu, 169 B.C. -- Antiochus Epiphanes desecrates altar at Jerusalem on the Sabbath -- an event to be commemorated.
- Sabbath, 15 Tisri, <sup>Oct. 23,</sup> 28 A.D. -- Bethesda healing on feast day. (John 5:1)
- Sabbath, 26 Tisri, <sup>Oct 14</sup> 30 A.D. -- Healing of blind man on the first Sabbath after <sup>and of</sup> Feast of Tabernacles. (John 9:14) <sup>of Tabernacles</sup>
- Sabbath, 16 Tisri, 66 A.D. -- Jews left the Feast, Friday, 15 Tisri, to fight Cestius on the Sabbath at Bethoron, 8 miles from Jerusalem. "Wars" II.19.2.

(Cf. Chapters IV, V, and VIII for further description)

JEWISH-CALENDAR WEEK TABLE VII

30 29 30 29 30 30 29 7

	Adar		Iyar		Tammuz		Elul		Hesvan		Tebet		Adar	
	Nisan	Sivan	Ab	Tisri	Kislev	Shebat	Veadar							
1	1-	1	1	1	1	1	1	1	1	1	1-	1	1	1
- 2	2	2	2	2	2-	2	2	2	2	2	2	2	2	2
3	3-	3	3	3-	3	3	3	3	3	3-	3	3	3-	3
4	4	4-	4	4	4-	4	4	4	4-	4	4	4	4	4-
5	5	5-	5-	5	5	5	5	5	5	5	5 <sup>9</sup>	5	5-	5
6	6	6-	6 <sup>x</sup>	6	6	6	6-	6	6	6	6	6	6	6
7	7	7-	7	7	7	7-	7	7	7	7	7	7-	7	7
- 8	8-	8	8	8	8	8	8	8	8	8	8-	8	8	8
- 9	9	9	9	9	9-	9	9	9	9	9	9	9	9	9
10	10	10	10	10-	10	10	10	10	10	10-	10	10	10	10-
11	11	11	11	11	11	11	11	11-	11	11	11	11	11	11-
12	12	12	12-	12	12	12	12	12	12	12	12	12	12-	12
13	13	13-	13	13	13	13	13-	13	13	13	13	13	13	13
14	14-	14	14	14	14	14-	14	14	14	14	14	14-	14	14
15	15-	15	15	15	15	15	15	15	15	15	15-	15	15	15
- 16	16	16	16-	16	16-	16	16	16	16	16	16	16	16	16
17	17	17	17	17-	17	17	17	17	17-	17	17	17	17	17-
18	18	18	18	18	18	18	18	18-	18	18	18	18	18	18-
19	19	19	19-	19	19	19	19	19	19	19	19	19	19-	19
20	20	20-	20 <sup>x</sup>	20	20	20	20-	20	20	20	20	20	20	20
21	21	21	21	21	21	21-	21	21	21	21	21	21-	21	21
22	22-	22	22	22	22	22	22 <sup>+</sup>	22	22	22	22-	22	22	22
- 23	23	23	23	23	23-	23	23	23	23	23	23	23	23	23
24	24	24	24	24-	24	24	24	24	24-	24	24	24	24	24
25	25	25	25	25	25	25	25	25-	25	25	25	25	25	25-
26	(26)	(26)	(26-	(26)	(26)	(26)	(26)	(26)	(26)	(26)	(26)	(26)	(26-	(26)
27	27	27-	27 <sup>x</sup>	27	27	27	(27-	27)	(27)	(27)	(27)	(27)	(27)	(27-
28	28	28	28	28	28	28-	28	28	28	28	28	(28-	28	28
29	29-	29	29	29	29	29	29	29	29	29	29-	29	29	29
	30		30		30-		30	(30)	(30)		30	(30)		

Get 1  
Apr 7 W

Table (a) JULIAN-CALENDAR WEEK

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1-*	1	1	1	1	1	1	1	1	1-	1	1
2	2	2	2-	2+	2	2-	2	2	2	2	2
3	3	3	3+	3	3	3	3	3-	3	3	3-
4	4	4	6 4	4	4-	4	4	4	4	4	4
5	5-	5-	5	5	5	5-	5	5 <sup>9</sup>	5	5-	5
6	6+	6	6	6	6	6	6-	6	6	6	6
7	7	2 7	7	7-	7	7	7	7	7	7	7
8-	8	8	8	8	8	8	8	8	8-	8	8
9	9	9	9-	9+	9	9-	9	9	9	9	9
10	10	10	10+	10	10	10	10	10-	10	10	10-
11	11	11	7 11	11	11-	11	11	11	11	11	11
12	12-	12-	12	12	12	12	12	12	12	12-	12
13	13+	13	13	13	13	13	13-	13	13	13	13
14	14	3 14	14	14-	14	14	14	14	14	14	14
15-	15	15	15	15	15	15	15	15	15-	15	15
16	16	16	16- <sup>0</sup>	16	16	16-	16	16	16	16	16
17	17	17	17+	17	17	17	17	17-	17	17	17-
18	18	18- <sup>8</sup>	18 <sup>8</sup>	18	18-	18	18	18	18	18	18
19	19-	19-	19 <sup>2</sup>	19	19	19	19	19	19	19-	19
20	20+	20	20	20	20	20	20-	20	20	20	20
21	21	4 21	21	21-	21	21	21	21	21	21	21
22-	(22)	22	22	22	22	22	22	22	22-	22	22
23	23	23	23-	23	23	23-	23	23	23	23	23
24	24	24	24	24	24	24	24-	24	24	24-	24-
25	25	25	25	25	25-	25	25	25	25	25	25
26	26-	26-	26	26	26	26	26	26	26	26-	26
27	27+	27	27	27	27	27	27-	27	27	27	27
28	28	5 28	28	28-	28	28	28	28	28	28	28
29-	(29)	29	29	29	29	29	29	29	29-	29	29
30		30	30-	30	30	30-	30 <sup>2</sup>	30	30	30	30
31		31		31		31	31		31		31-

From the foregoing Table (a), the day of the week for the civil date of 1 Nisan is to be reckoned. Hyphens mark the beginning of each week from January 1. The day of the week for January 1 is obtained from Table (f) for any year in question. Upon whatever day of the week January 1 falls, every succeeding week will begin on the same day of the week in a common year; but in a Julian leap-year, the weeks following February, begin a day later than those before. For example: January 1, 31 A.D. was Monday. For the same year, 1 Nisan was April 14. The year 31 being a common Julian year, the weeks in April all began on Monday. Hence, April 14 was Saturday.

In case of a Julian leap-year, as 12 A.D., January 1 was on Friday, and hence all the weeks in the Table after February, began on Saturday. Therefore, 1 Nisan, which was April 13 in 12 A.D., fell on Wednesday.

JULIAN CALENDAR

B.C. Jan. 1

B.C. Jan. 1

<u>2500</u> We	<u>2450</u> Tu	<u>2400</u> Tu	<u>2350</u> Mo	<u>2300</u> Mo	<u>2250</u> Su	<u>2200</u> Su
<u>2499</u> Th	<u>2449</u> - We	<u>2399</u> We	<u>2349</u> - Tu	<u>2299</u> Tu	<u>2249</u> - Mo	<u>2199</u> Mo
<u>2498</u> Fr	<u>2448</u> Fr	<u>2398</u> Th	<u>2348</u> Th	<u>2298</u> We	<u>2248</u> We	<u>2198</u> Tu
<u>2497</u> - Sa	<u>2447</u> Sa	<u>2397</u> - Fr	<u>2347</u> Fr	<u>2297</u> - Th	<u>2247</u> Th	<u>2197</u> - We
<u>2496</u> Mo	<u>2446</u> Su	<u>2396</u> Su	<u>2346</u> Sa	<u>2296</u> Sa	<u>2246</u> Fr	<u>2196</u> Fr
<u>2495</u> Tu	<u>2445</u> - Mo	<u>2395</u> Mo	<u>2345</u> - Su	<u>2295</u> Su	<u>2245</u> - Sa	<u>2195</u> Sa
<u>2494</u> We	<u>2444</u> We	<u>2394</u> Tu	<u>2344</u> Tu	<u>2294</u> Mo	<u>2244</u> Mo	<u>2194</u> Su
<u>2493</u> - Th	<u>2443</u> Th	<u>2393</u> - We	<u>2343</u> We	<u>2293</u> - Tu	<u>2243</u> Tu	<u>2193</u> - Mo
<u>2492</u> Sa	<u>2442</u> Fr	<u>2392</u> Fr	<u>2342</u> Th	<u>2292</u> Th	<u>2242</u> We	<u>2192</u> We
<u>2491</u> Su	<u>2441</u> - Sa	<u>2391</u> Sa	<u>2341</u> - Fr	<u>2291</u> Fr	<u>2241</u> - Th	<u>2191</u> Th
<u>2490</u> Mo	<u>2440</u> Mo	<u>2390</u> Su	<u>2340</u> Su	<u>2290</u> Sa	<u>2240</u> Sa	<u>2190</u> Fr
<u>2489</u> - Tu	<u>2439</u> Tu	<u>2389</u> - Mo	<u>2339</u> Mo	<u>2289</u> - Su	<u>2239</u> Su	<u>2189</u> - Sa
<u>2488</u> Th	<u>2438</u> We	<u>2388</u> We	<u>2338</u> Tu	<u>2288</u> Tu	<u>2238</u> Mo	<u>2188</u> Mo
<u>2487</u> Fr	<u>2437</u> - Th	<u>2387</u> Th	<u>2337</u> - We	<u>2287</u> We	<u>2237</u> - Tu	<u>2187</u> Tu
<u>2486</u> Sa	<u>2436</u> Sa	<u>2386</u> Fr	<u>2336</u> Fr	<u>2286</u> Th	<u>2236</u> Th	<u>2186</u> We
<u>2485</u> - Su	<u>2435</u> Su	<u>2385</u> - Sa	<u>2335</u> Sa	<u>2285</u> - Fr	<u>2235</u> Fr	<u>2185</u> - Th
<u>2484</u> Tu	<u>2434</u> Mo	<u>2384</u> Mo	<u>2334</u> Su	<u>2284</u> Su	<u>2234</u> Sa	<u>2184</u> Sa
<u>2483</u> We	<u>2433</u> - Tu	<u>2383</u> Tu	<u>2333</u> - Mo	<u>2283</u> Mo	<u>2233</u> - Su	<u>2183</u> Su
<u>2482</u> Th	<u>2432</u> Th	<u>2382</u> We	<u>2332</u> We	<u>2282</u> Tu	<u>2232</u> Tu	<u>2182</u> Mo
<u>2481</u> - Fr	<u>2431</u> Fr	<u>2381</u> - Th	<u>2331</u> Th	<u>2281</u> - We	<u>2231</u> We	<u>2181</u> - Tu
<u>2480</u> Su	<u>2430</u> Sa	<u>2380</u> Sa	<u>2330</u> Fr	<u>2280</u> Fr	<u>2230</u> Th	<u>2180</u> Th
<u>2479</u> Mo	<u>2429</u> - Su	<u>2379</u> Su	<u>2329</u> - Sa	<u>2279</u> Sa	<u>2229</u> - Fr	<u>2179</u> Fr
<u>2478</u> Tu	<u>2428</u> Tu	<u>2378</u> Mo	<u>2328</u> Mo	<u>2278</u> Su	<u>2228</u> Su	<u>2178</u> Sa
<u>2477</u> - We	<u>2427</u> We	<u>2377</u> - Tu	<u>2327</u> Tu	<u>2277</u> - Mo	<u>2227</u> Mo	<u>2177</u> - Su
<u>2476</u> Fr	<u>2426</u> Th	<u>2376</u> Th	<u>2326</u> We	<u>2276</u> We	<u>2226</u> Tu	<u>2176</u> Tu
<u>2475</u> Sa	<u>2425</u> - Fr	<u>2375</u> Fr	<u>2325</u> - Th	<u>2275</u> Th	<u>2225</u> - We	<u>2175</u> We
<u>2474</u> Su	<u>2424</u> Su	<u>2374</u> Sa	<u>2324</u> Sa	<u>2274</u> Fr	<u>2224</u> Fr	<u>2174</u> Th
<u>2473</u> - Mo	<u>2423</u> Mo	<u>2373</u> - Su	<u>2323</u> Su	<u>2273</u> - Sa	<u>2223</u> Sa	<u>2173</u> - Fr
<u>2472</u> We	<u>2422</u> Tu	<u>2372</u> Tu	<u>2322</u> Mo	<u>2272</u> Mo	<u>2222</u> Su	<u>2172</u> Su
<u>2471</u> Th	<u>2421</u> - We	<u>2371</u> We	<u>2321</u> - Tu	<u>2271</u> Tu	<u>2221</u> - Mo	<u>2171</u> Mo
<u>2470</u> Fr	<u>2420</u> Fr	<u>2370</u> Th	<u>2320</u> Th	<u>2270</u> We	<u>2220</u> We	<u>2170</u> Tu
<u>2469</u> - Sa	<u>2419</u> Sa	<u>2369</u> - Fr	<u>2319</u> Fr	<u>2269</u> - Th	<u>2219</u> Th	<u>2169</u> - We
<u>2468</u> Mo	<u>2418</u> Su	<u>2368</u> Su	<u>2318</u> Sa	<u>2268</u> Sa	<u>2218</u> Fr	<u>2168</u> Fr
<u>2467</u> Tu	<u>2417</u> - Mo	<u>2367</u> Mo	<u>2317</u> - Su	<u>2267</u> Su	<u>2217</u> - Sa	<u>2167</u> Sa
<u>2466</u> We	<u>2416</u> We	<u>2366</u> Tu	<u>2316</u> Tu	<u>2266</u> Mo	<u>2216</u> Mo	<u>2166</u> Su
<u>2465</u> - Th	<u>2415</u> Th	<u>2365</u> - We	<u>2315</u> We	<u>2265</u> - Tu	<u>2215</u> Tu	<u>2165</u> - Mo
<u>2464</u> Sa	<u>2414</u> Fr	<u>2364</u> Fr	<u>2314</u> Th	<u>2264</u> Th	<u>2214</u> We	<u>2164</u> We
<u>2463</u> Su	<u>2413</u> - Sa	<u>2363</u> Sa	<u>2313</u> - Fr	<u>2263</u> Fr	<u>2213</u> - Th	<u>2163</u> Th
<u>2462</u> Mo	<u>2412</u> Mo	<u>2362</u> Su	<u>2312</u> Su	<u>2262</u> Sa	<u>2212</u> Sa	<u>2162</u> Fr
<u>2461</u> - Tu	<u>2411</u> Tu	<u>2361</u> - Mo	<u>2311</u> Mo	<u>2261</u> - Su	<u>2211</u> Su	<u>2161</u> - Sa
<u>2460</u> Th	<u>2410</u> We	<u>2360</u> We	<u>2310</u> Tu	<u>2260</u> Tu	<u>2210</u> Mo	<u>2160</u> Mo
<u>2459</u> Fr	<u>2409</u> - Th	<u>2359</u> Th	<u>2309</u> - We	<u>2259</u> We	<u>2209</u> - Tu	<u>2159</u> Tu
<u>2458</u> Sa	<u>2408</u> Sa	<u>2358</u> Fr	<u>2308</u> Fr	<u>2258</u> Th	<u>2208</u> Th	<u>2158</u> We
<u>2457</u> - Su	<u>2407</u> Su	<u>2357</u> - Sa	<u>2307</u> Sa	<u>2257</u> - Fr	<u>2207</u> Fr	<u>2157</u> - Th
<u>2456</u> Tu	<u>2406</u> Mo	<u>2356</u> Mo	<u>2306</u> Su	<u>2256</u> Su	<u>2206</u> Sa	<u>2156</u> Sa
<u>2455</u> We	<u>2405</u> - Tu	<u>2355</u> Tu	<u>2305</u> - Mo	<u>2255</u> Mo	<u>2205</u> - Su	<u>2155</u> Su
<u>2454</u> Th	<u>2404</u> Th	<u>2354</u> We	<u>2304</u> We	<u>2254</u> Tu	<u>2204</u> Tu	<u>2154</u> Mo
<u>2453</u> - Fr	<u>2403</u> Fr	<u>2353</u> - Th	<u>2303</u> Th	<u>2253</u> - We	<u>2203</u> We	<u>2153</u> - Tu
<u>2452</u> Su	<u>2402</u> Sa	<u>2352</u> Sa	<u>2302</u> Fr	<u>2252</u> Fr	<u>2202</u> Th	<u>2152</u> Th
<u>2451</u> Mo	<u>2401</u> - Su	<u>2351</u> Su	<u>2301</u> - Sa	<u>2251</u> Sa	<u>2201</u> - Fr	<u>2151</u> Fr

Julian leap-years are marked with hyphen.  
Veadar years are overscored.

JULIAN CALENDAR

B.C. Jan.1

B.C. Jan.1

2150 Sa	2100 Sa	2050 Fr	2000 Fr	1950 Th	1900 Th	1850 We
2149- Su	2099 Su	2049- Sa	1999 Sa	1949- Fr	1899 Fr	1849- Th
2148 Tu	2098 Mo	2048 Mo	1998 Su	1948 Su	1898 Sa	1848 Sa
2147 We	2097- Tu	2047 Tu	1997- Mo	1947 Mo	1897- Su	1847 Su
2146 Th	2096 Th	2046 We	1996 We	1946 Tu	1896 Tu	1846 Mo
2145- Fr	2095 Fr	2045- Th	1995 Th	1945- We	1895 We	1845- Tu
2144 Su	2094 Sa	2044 Sa	1994 Fr	1944 Fr	1894 Th	1844 Th
2143 Mo	2093- Su	2043 Su	1993- Sa	1943 Sa	1893- Fr	1843 Fr
2142 Tu	2092 Tu	2042 Mo	1992 Mo	1942 Su	1892 Su	1842 Sa
2141- We	2091 We	2041- Tu	1991 Tu	1941- Mo	1891 Mo	1841- Su
2140 Fr	2090 Th	2040 Th	1990 We	1940 We	1890 Tu	1840 Tu
2139 Sa	2089- Fr	2039 Fr	1989- Th	1939 Th	1889- We	1839 We
2138 Su	2088 Su	2038 Sa	1988 Sa	1938 Fr	1888 Fr	1838 Th
2137- Mo	2087 Mo	2037- Su	1987 Su	1937- Sa	1887 Sa	1837- Fr
2136 We	2086 Tu	2036 Tu	1986 Mo	1936 Mo	1886 Su	1836 Su
2135 Th	2085- We	2035 We	1985- Tu	1935 Tu	1885- Mo	1835 Mo
2134 Fr	2084 Fr	2034 Th	1984 Th	1934 We	1884 We	1834 Tu
2133- Sa	2083 Sa	2033- Fr	1983 Fr	1933- Th	1883 Th	1833- We
2132 Mo	2082 Su	2032 Su	1982 Sa	1932 Sa	1882 Fr	1832 Fr
2131 Tu	2081- Mo	2031 Mo	1981- Su	1931 Su	1881- Sa	1831 Sa
2130 We	2080 We	2030 Tu	1980 Tu	1930 Mo	1880 Mo	1830 Su
2129- Th	2079 Th	2029- We	1979 We	1929- Tu	1879 Tu	1829- Mo
2128 Sa	2078 Fr	2028 Fr	1978 Th	1928 Th	1878 We	1828 We
2127 Su	2077- Sa	2027 Sa	1977- Fr	1927 Fr	1877- Th	1827 Th
2126 Mo	2076 Mo	2026 Su	1976 Su	1926 Sa	1876 Sa	1826 Fr
2125- Tu	2075 Tu	2025- Mo	1975 Mo	1925- Su	1875 Su	1825- Sa
2124 Th	2074 We	2024 We	1974 Tu	1924 Tu	1874 Mo	1824 Mo
2123 Fr	2073- Th	2023 Th	1973- We	1923 We	1873- Tu	1823 Tu
2122 Sa	2072 Sa	2022 Fr	1972 Fr	1922 Th	1872 Th	1822 We
2121- Su	2071 Su	2021- Sa	1971 Sa	1921- Fr	1871 Fr	1821- Th
2120 Tu	2070 Mo	2020 Mo	1970 Su	1920 Su	1870 Sa	1820 Sa
2119 We	2069- Tu	2019 Tu	1969- Mo	1919 Mo	1869- Su	1819 Su
2118 Th	2068 Th	2018 We	1968 We	1918 Tu	1868 Tu	1818 Mo
2117- Fr	2067 Fr	2017- Th	1967 Th	1917- We	1867 We	1817- Tu
2116 Su	2066 Sa	2016 Sa	1966 Fr	1916 Fr	1866 Th	1816 Th
2115 Mo	2065- Su	2015 Su	1965- Sa	1915 Sa	1865- Fr	1815 Fr
2114 Tu	2064 Tu	2014 Mo	1964 Mo	1914 Su	1864 Su	1814 Sa
2113- We	2063 We	2013- Tu	1963 Tu	1913- Mo	1863 Mo	1813- Su
2112 Fr	2062 Th	2012 Th	1962 We	1912 We	1862 Tu	1812 Tu
2111 Sa	2061- Fr	2011 Fr	1961- Th	1911 Th	1861- We	1811 We
2110 Su	2060 Su	2010 Sa	1960 Sa	1910 Fr	1860 Fr	1810 Th
2109- Mo	2059 Mo	2009- Su	1959 Su	1909- Sa	1859 Sa	1809- Fr
2108 We	2058 Tu	2008 Tu	1958 Mo	1908 Mo	1858 Su	1808 Su
2107 Th	2057- We	2007 We	1957- Tu	1907 Tu	1857- Mo	1807 Mo
2106 Fr	2056 Fr	2006 Th	1956 Th	1906 We	1856 We	1806 Tu
2105- Sa	2055 Sa	2005- Fr	1955 Fr	1905- Th	1855 Th	1805- We
2104 Mo	2054 Su	2004 Su	1954 Sa	1904 Sa	1854 Fr	1804 Fr
2103 Tu	2053- Mo	2003 Mo	1953- Su	1903 Su	1853- Sa	1803 Sa
2102 We	2052 We	2002 Tu	1952 Tu	1902 Mo	1852 Mo	1802 Su
2101- Th	2051 Th	2001- We	1951 We	1901- Tu	1851 Tu	1801- Mo

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JULIAN CALENDAR  
Table (f)

B.C. Jan.1

B.C. Jan.1

<u>1800</u> We	1750 Tu	1700 Tu	1650 Mo	1600 Mo	1550 Su
1799 Th	<u>1749</u> - We	<u>1699</u> We	<u>1649</u> - Tu	<u>1599</u> Tu	1549- Mo
1798 Fr	<u>1748</u> Fr	1698 Th	<u>1648</u> Th	1598 We	<u>1548</u> We
<u>1797</u> - Sa	1747 Sa	<u>1697</u> - Fr	1647 Fr	<u>1597</u> - Th	1547 Th
1796 Mo	<u>1746</u> Su	1696 Su	1646 Sa	<u>1596</u> Sa	1546 Fr
1795 Tu	1745- Mo	1695 Mo	<u>1645</u> - Su	1595 Su	<u>1545</u> - Sa
1794 We	<u>1744</u> We	1694 Tu	1644 Tu	<u>1594</u> Mo	1544 Mo
<u>1793</u> - Th	1743 Th	1693- We	<u>1643</u> We	1593- Tu	<u>1543</u> Tu
1792 Sa	1742 Fr	<u>1692</u> Fr	1642 Th	<u>1592</u> Th	1542 We
1791 Su	<u>1741</u> - Sa	1691 Sa	<u>1641</u> - Fr	1591 Fr	1541- Th
1790 Mo	1740 Mo	<u>1690</u> Su	1640 Su	1590 Sa	<u>1540</u> Sa
1789- Tu	1739 Tu	1689- Mo	1639 Mo	<u>1589</u> - Su	1539 Su
1788 Th	<u>1738</u> We	1688 We	<u>1638</u> Tu	1588 Tu	<u>1538</u> Mo
<u>1787</u> Fr	1737- Th	<u>1687</u> Th	<u>1637</u> - We	1587 We	<u>1537</u> - Tu
1786 Sa	<u>1736</u> Sa	1686 Fr	1636 Fr	<u>1586</u> Th	1536 Th
<u>1785</u> - Su	1735 Su	1685- Sa	<u>1635</u> Sa	<u>1585</u> - Fr	<u>1535</u> Fr
1784 Tu	1734 Mo	<u>1684</u> Mo	1634 Su	<u>1584</u> Su	1534 Sa
1783 We	<u>1733</u> - Tu	1683 Tu	<u>1633</u> - Mo	1583 Mo	1533- Su
<u>1782</u> Th	1732 Th	1682 We	1632 We	1582 Tu	<u>1532</u> Tu
1781- Fr	1731 Fr	<u>1681</u> - Th	1631 Th	<u>1581</u> - We	1531 We
1780 Su	<u>1730</u> Sa	1680 Sa	<u>1630</u> Fr	1580 Fr	1530 Th
<u>1779</u> Mo	1729- Su	<u>1679</u> Su	1629- Sa	1579 Sa	<u>1529</u> - Fr
1778 Tu	<u>1728</u> Tu	1678 Mo	1628 Mo	<u>1578</u> Su	1528 Su
1777- We	1727 We	1677- Tu	<u>1627</u> Tu	<u>1577</u> - Mo	<u>1527</u> Mo
<u>1776</u> Fr	1726 Th	<u>1676</u> Th	1626 We	<u>1576</u> We	1526 Tu
1775 Sa	<u>1725</u> - Fr	1675 Fr	1625- Th	1575 Th	1525- We
<u>1774</u> Su	1724 Su	1674 Sa	<u>1624</u> Sa	1574 Fr	<u>1524</u> Fr
1773- Mo	1723 Mo	<u>1673</u> - Su	1623 Su	1573- Sa	1523 Sa
1772 We	1722 Tu	<u>1672</u> Tu	1622 Mo	<u>1572</u> Mo	1522 Su
1771 Th	<u>1721</u> - We	1671 We	<u>1621</u> - Tu	1571 Tu	1521- Mo
<u>1770</u> Fr	1720 Fr	<u>1670</u> Th	1620 Th	1570 We	<u>1520</u> We
1769- Sa	1719 Sa	1669- Fr	1619 Fr	<u>1569</u> - Th	1519 Th
1768 Mo	<u>1718</u> Su	1668 Su	<u>1618</u> Sa	1568 Sa	<u>1518</u> Fr
<u>1767</u> Tu	1717- Mo	<u>1667</u> Mo	1617- Su	1567 Su	1517- Sa
1766 We	<u>1716</u> We	1666 Tu	1616 Tu	<u>1566</u> Mo	1516 Mo
<u>1765</u> - Th	1715 Th	1665- We	<u>1615</u> We	1565- Tu	<u>1515</u> Tu
1764 Sa	1714 Fr	<u>1664</u> Fr	1614 Th	<u>1564</u> Th	1514 We
1763 Su	<u>1713</u> - Sa	1663 Sa	<u>1613</u> - Fr	1563 Fr	<u>1513</u> - Th
<u>1762</u> Mo	1712 Mo	1662 Su	1612 Su	1562 Sa	<u>1512</u> Sa
1761- Tu	1711 Tu	<u>1661</u> - Mo	1611 Mo	<u>1561</u> - Su	1511 Su
1760 Th	<u>1710</u> We	1660 We	<u>1610</u> Tu	1560 Tu	1510 Mo
<u>1759</u> Fr	1709- Th	<u>1659</u> Th	1609- We	1559 We	<u>1509</u> - Tu
1758 Sa	<u>1708</u> Sa	1658 Fr	1608 Fr	<u>1558</u> Th	1508 Th
1757- Su	1707 Su	<u>1657</u> - Sa	<u>1607</u> Sa	<u>1557</u> - Fr	<u>1507</u> Fr
<u>1756</u> Tu	1706 Mo	<u>1656</u> Mo	1606 Su	<u>1556</u> Su	1506 Sa
1755 We	<u>1705</u> - Tu	1655 Tu	<u>1605</u> - Mo	1555 Mo	<u>1505</u> - Su
<u>1754</u> Th	1704 Th	1654 We	<u>1604</u> We	1554 Tu	<u>1504</u> Tu
1753- Fr	1703 Fr	<u>1653</u> - Th	1603 Th	<u>1553</u> - We	1503 We
<u>1752</u> Su	<u>1702</u> Sa	1652 Sa	<u>1602</u> Fr	1552 Fr	<u>1502</u> Th
<u>1751</u> Mo	1701- Su	<u>1651</u> Su	1601- Sa	<u>1551</u> Sa	<u>1501</u> - Fr

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JULIAN CALENDAR

B.C. Jan.1

B.C. Jan.1

<u>1500</u> Su	<u>1450</u> Sa	<u>1400</u> Sa	<u>1350</u> Fr	<u>1300</u> Fr	<u>1250</u> Th
<u>1499</u> Mo	<u>1449</u> - Su	<u>1399</u> Su	<u>1349</u> - Sa	<u>1299</u> Sa	<u>1249</u> - Fr
<u>1498</u> Tu	<u>1448</u> Tu	<u>1398</u> Mo	<u>1348</u> Mo	<u>1298</u> Su	<u>1248</u> Su
<u>1497</u> - We	<u>1447</u> We	<u>1397</u> - Tu	<u>1347</u> Tu	<u>1297</u> - Mo	<u>1247</u> Mo
<u>1496</u> Fr	<u>1446</u> Th	<u>1396</u> Th	<u>1346</u> We	<u>1296</u> We	<u>1246</u> Tu
<u>1495</u> Sa	<u>1445</u> - Fr	<u>1395</u> Fr	<u>1345</u> - Th	<u>1295</u> Th	<u>1245</u> - We
<u>1494</u> Su	<u>1444</u> Su	<u>1394</u> Sa	<u>1344</u> Sa	<u>1294</u> Fr	<u>1244</u> Fr
<u>1493</u> - Mo	<u>1443</u> Mo	<u>1393</u> Su	<u>1343</u> Su	<u>1293</u> - Sa	<u>1243</u> Sa
<u>1492</u> We	<u>1442</u> Tu	<u>1392</u> Tu	<u>1342</u> Mo	<u>1292</u> Mo	<u>1242</u> Su
<u>1491</u> Th	<u>1441</u> - We	<u>1391</u> We	<u>1341</u> - Tu	<u>1291</u> Tu	<u>1241</u> - Mo
<u>1490</u> Fr	<u>1440</u> Fr	<u>1390</u> Th	<u>1340</u> Th	<u>1290</u> We	<u>1240</u> We
<u>1489</u> - Sa	<u>1439</u> Sa	<u>1389</u> - Fr	<u>1339</u> Fr	<u>1289</u> - Th	<u>1239</u> Th
<u>1488</u> Mo	<u>1438</u> Su	<u>1388</u> Su	<u>1338</u> Sa	<u>1288</u> Sa	<u>1238</u> Fr
<u>1487</u> Tu	<u>1437</u> - Mo	<u>1387</u> Mo	<u>1337</u> - Su	<u>1287</u> Su	<u>1237</u> - Sa
<u>1486</u> We	<u>1436</u> We	<u>1386</u> Tu	<u>1336</u> Tu	<u>1286</u> Mo	<u>1236</u> Mo
<u>1485</u> - Th	<u>1435</u> Th	<u>1385</u> - We	<u>1335</u> We	<u>1285</u> - Tu	<u>1235</u> Tu
<u>1484</u> Sa	<u>1434</u> Fr	<u>1384</u> Fr	<u>1334</u> Th	<u>1284</u> Th	<u>1234</u> We
<u>1483</u> Su	<u>1433</u> - Sa	<u>1383</u> Sa	<u>1333</u> - Fr	<u>1283</u> Fr	<u>1233</u> - Th
<u>1482</u> Mo	<u>1432</u> Mo	<u>1382</u> Su	<u>1332</u> Su	<u>1282</u> Sa	<u>1232</u> Sa
<u>1481</u> - Tu	<u>1431</u> Tu	<u>1381</u> - Mo	<u>1331</u> Mo	<u>1281</u> - Su	<u>1231</u> Su
<u>1480</u> Th	<u>1430</u> We	<u>1380</u> We	<u>1330</u> Tu	<u>1280</u> Tu	<u>1230</u> Mo
<u>1479</u> Fr	<u>1429</u> - Th	<u>1379</u> Th	<u>1329</u> - We	<u>1279</u> We	<u>1229</u> - Tu
<u>1478</u> Sa	<u>1428</u> Sa	<u>1378</u> Fr	<u>1328</u> Fr	<u>1278</u> Th	<u>1228</u> Th
<u>1477</u> - Su	<u>1427</u> Su	<u>1377</u> - Sa	<u>1327</u> Sa	<u>1277</u> - Fr	<u>1227</u> Fr
<u>1476</u> Tu	<u>1426</u> Mo	<u>1376</u> Mo	<u>1326</u> Su	<u>1276</u> Su	<u>1226</u> Sa
<u>1475</u> We	<u>1425</u> - Tu	<u>1375</u> Tu	<u>1325</u> - Mo	<u>1275</u> Mo	<u>1225</u> - Su
<u>1474</u> Th	<u>1424</u> Th	<u>1374</u> We	<u>1324</u> We	<u>1274</u> Tu	<u>1224</u> Tu
<u>1473</u> - Fr	<u>1423</u> Fr	<u>1373</u> - Th	<u>1323</u> Th	<u>1273</u> - We	<u>1223</u> We
<u>1472</u> Su	<u>1422</u> Sa	<u>1372</u> Sa	<u>1322</u> Fr	<u>1272</u> Fr	<u>1222</u> Th
<u>1471</u> Mo	<u>1421</u> - Su	<u>1371</u> Su	<u>1321</u> - Sa	<u>1271</u> Sa	<u>1221</u> - Fr
<u>1470</u> Tu	<u>1420</u> Tu	<u>1370</u> Mo	<u>1320</u> Mo	<u>1270</u> Su	<u>1220</u> Su
<u>1469</u> - We	<u>1419</u> We	<u>1369</u> - Tu	<u>1319</u> Tu	<u>1269</u> - Mo	<u>1219</u> Mo
<u>1468</u> Fr	<u>1418</u> Th	<u>1368</u> Th	<u>1318</u> We	<u>1268</u> We	<u>1218</u> Tu
<u>1467</u> Sa	<u>1417</u> - Fr	<u>1367</u> Fr	<u>1317</u> - Th	<u>1267</u> Th	<u>1217</u> - We
<u>1466</u> Su	<u>1416</u> Su	<u>1366</u> Sa	<u>1316</u> Sa	<u>1266</u> Fr	<u>1216</u> Fr
<u>1465</u> - Mo	<u>1415</u> Mo	<u>1365</u> - Su	<u>1315</u> Su	<u>1265</u> - Sa	<u>1215</u> Sa
<u>1464</u> We	<u>1414</u> Tu	<u>1364</u> Tu	<u>1314</u> Mo	<u>1264</u> Mo	<u>1214</u> Su
<u>1463</u> Th	<u>1413</u> - We	<u>1363</u> We	<u>1313</u> - Tu	<u>1263</u> Tu	<u>1213</u> - Mo
<u>1462</u> Fr	<u>1412</u> Fr	<u>1362</u> Th	<u>1312</u> Th	<u>1262</u> We	<u>1212</u> We
<u>1461</u> - Sa	<u>1411</u> Sa	<u>1361</u> - Fr	<u>1311</u> Fr	<u>1261</u> - Th	<u>1211</u> Th
<u>1460</u> Mo	<u>1410</u> Su	<u>1360</u> Su	<u>1310</u> Sa	<u>1260</u> Sa	<u>1210</u> Fr
<u>1459</u> Tu	<u>1409</u> - Mo	<u>1359</u> Mo	<u>1309</u> - Su	<u>1259</u> Su	<u>1209</u> - Sa
<u>1458</u> We	<u>1408</u> We	<u>1358</u> Tu	<u>1308</u> Tu	<u>1258</u> Mo	<u>1208</u> Mo
<u>1457</u> - Th	<u>1407</u> Th	<u>1357</u> - We	<u>1307</u> We	<u>1257</u> - Tu	<u>1207</u> Tu
<u>1456</u> Sa	<u>1406</u> Fr	<u>1356</u> Fr	<u>1306</u> Th	<u>1256</u> Th	<u>1206</u> We
<u>1455</u> Su	<u>1405</u> - Sa	<u>1355</u> Sa	<u>1305</u> - Fr	<u>1255</u> Fr	<u>1205</u> - Th
<u>1454</u> Mo	<u>1404</u> Mo	<u>1354</u> Su	<u>1304</u> Su	<u>1254</u> Sa	<u>1204</u> Sa
<u>1453</u> - Tu	<u>1403</u> Tu	<u>1353</u> - Mo	<u>1303</u> Mo	<u>1253</u> - Su	<u>1203</u> - Su
<u>1452</u> Th	<u>1402</u> We	<u>1352</u> We	<u>1302</u> Tu	<u>1252</u> Tu	<u>1202</u> Mo
<u>1451</u> Fr	<u>1401</u> - Th	<u>1351</u> Th	<u>1301</u> - We	<u>1251</u> We	<u>1201</u> - Tu

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JULIAN CALENDAR

B.C. Jan.1

B.C. Jan.1

1200	Th	1150	We	1100	We	1050	Tu	1000	Tu	950	Mo
1199	Fr	1149-	Th	1099	Th	1049-	We	999	We	949-	Tu
1198	Sa	1148	Sa	1098	Fr	1048	Fr	998	Th	948	Th
1197-	Su	1147	Su	1097-	Sa	1047	Sa	997-	Fr	947	Fr
1196	Tu	1146	Mo	1096	Mo	1046	Su	996	Su	946	Sa
1195	We	1145-	Tu	1095	Tu	1045-	Mo	995	Mo	945-	Su
1194	Th	1144	Th	1094	We	1044	We	994	Tu	944	Tu
1193-	Fr	1143	Fr	1093-	Th	1043	Th	993-	We	943	We
1192	Su	1142	Sa	1092	Sa	1042	Fr	992	Fr	942	Th
1191	Mo	1141-	Su	1091	Su	1041-	Sa	991	Sa	941-	Fr
1190	Tu	1140	Tu	1090	Mo	1040	Mo	990	Su	940	Su
1189-	We	1139	We	1089-	Tu	1039	Tu	989-	Mo	939	Mo
1188	Fr	1138	Th	1088	Th	1038	We	988	We	938	Tu
1187	Sa	1137-	Fr	1087	Fr	1037-	Th	987	Th	937-	We
1186	Su	1136	Su	1086	Sa	1036	Sa	986	Fr	936	Fr
1185-	Mo	1135	Mo	1085-	Su	1035	Su	985-	Sa	935	Sa
1184	We	1134	Tu	1084	Tu	1034	Mo	984	Mo	934	Su
1183	Th	1133-	We	1083	We	1033-	Tu	983	Tu	933-	Mo
1182	Fr	1132	Fr	1082	Th	1032	Th	982	We	932	We
1181-	Sa	1131	Sa	1081-	Fr	1031	Fr	981-	Th	931	Th
1180	Mo	1130	Su	1080	Su	1030	Sa	980	Sa	930	Fr
1179	Tu	1129-	Mo	1079	Mo	1029-	Su	979	Su	929-	Sa
1178	We	1128	We	1078	Tu	1028	Tu	978	Mo	928	Mo
1177-	Th	1127	Th	1077-	We	1027	We	977-	Tu	927	Tu
1176	Sa	1126	Fr	1076	Fr	1026	Th	976	Th	926	We
1175	Su	1125-	Sa	1075	Sa	1025-	Fr	975	Fr	925-	Th
1174	Mo	1124	Mo	1074	Su	1024	Su	974	Sa	924	Sa
1173-	Tu	1123	Tu	1073-	Mo	1023	Mo	973-	Su	923	Su
1172	Th	1122	We	1072	We	1022	Tu	972	Tu	922	Mo
1171	Fr	1121-	Th	1071	Th	1021-	We	971	We	921-	Tu
1170	Sa	1120	Sa	1070	Fr	1020	Fr	970	Th	920	Th
1169-	Su	1119	Su	1069-	Sa	1019	Sa	969-	Fr	919	Fr
1168	Tu	1118	Mo	1068	Mo	1018	Su	968	Su	918	Sa
1167	We	1117-	Tu	1067	Tu	1017-	Mo	967	Mo	917-	Su
1166	Th	1116	Th	1066	We	1016	We	966	Tu	916	Tu
1165-	Fr	1115	Fr	1065-	Th	1015	Th	965-	We	915	We
1164	Su	1114	Sa	1064	Sa	1014	Fr	964	Fr	914	Th
1163	Mo	1113-	Su	1063	Su	1013-	Sa	963	Sa	913-	Fr
1162	Tu	1112	Tu	1062	Mo	1012	Mo	962	Su	912	Su
1161-	We	1111	We	1061-	Tu	1011	Tu	961-	Mo	911	Mo
1160	Fr	1110	Th	1060	Th	1010	We	960	We	910	Tu
1159	Sa	1109-	Fr	1059	Fr	1009-	Th	959	Th	909-	We
1158	Su	1108	Su	1058	Sa	1008	Sa	958	Fr	908	Fr
1157-	Mo	1107	Mo	1057-	Su	1007	Su	957-	Sa	907	Sa
1156	We	1106	Tu	1056	Tu	1006	Mo	956	Mo	906	Su
1155	Th	1105-	We	1055	We	1005-	Tu	955	Tu	905-	Mo
1154	Fr	1104	Fr	1054	Th	1004	Th	954	We	904	We
1153-	Sa	1103	Sa	1053-	Fr	1003	Fr	953-	Th	903	Th
1152	Mo	1102	Su	1052	Su	1002	Sa	952	Sa	902	Fr
1151	Tu	1101-	Mo	1051	Mo	1001-	Su	951	Su	901-	Sa

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JULIAN CALENDAR

B.C. Jan.1

B.C. Jan.1

<u>900</u> Mo	<u>850</u> Su	800 Su	<u>750</u> Sa	700 Sa	<u>650</u> Fr	<u>600</u> Fr
<u>899</u> Tu	<u>849</u> - Mo	<u>799</u> Mo	<u>749</u> - Su	<u>699</u> Su	<u>649</u> - Sa	<u>599</u> Sa
<u>898</u> We	<u>848</u> We	<u>798</u> Tu	<u>748</u> Tu	<u>698</u> Mo	<u>648</u> Mo	<u>598</u> Su
<u>897</u> - Th	<u>847</u> Th	<u>797</u> - We	<u>747</u> We	<u>697</u> - Tu	<u>647</u> Tu	<u>597</u> - Mo
<u>896</u> Sa	<u>846</u> Fr	<u>796</u> Fr	<u>746</u> Th	<u>696</u> Th	<u>646</u> We	<u>596</u> We
<u>895</u> Su	<u>845</u> - Sa	<u>795</u> Sa	<u>745</u> - Fr	<u>695</u> Fr	<u>645</u> - Th	<u>595</u> Th
<u>894</u> Mo	<u>844</u> Mo	<u>794</u> Su	<u>744</u> Su	<u>694</u> Sa	<u>644</u> Sa	<u>594</u> Fr
<u>893</u> - Tu	<u>843</u> Tu	<u>793</u> - Mo	<u>743</u> Mo	<u>693</u> - Su	<u>643</u> Su	<u>593</u> - Sa
<u>892</u> Th	<u>842</u> We	<u>792</u> We	<u>742</u> Tu	<u>692</u> Tu	<u>642</u> Mo	<u>592</u> Mo
<u>891</u> Fr	<u>841</u> - Th	<u>791</u> Th	<u>741</u> - We	<u>691</u> We	<u>641</u> - Tu	<u>591</u> Tu
<u>890</u> Sa	<u>840</u> Sa	<u>790</u> Fr	<u>740</u> Fr	<u>690</u> Th	<u>640</u> Th	<u>590</u> We
<u>889</u> - Su	<u>839</u> Su	<u>789</u> - Sa	<u>739</u> Sa	<u>689</u> - Fr	<u>639</u> Fr	<u>589</u> - Th
<u>888</u> Tu	<u>838</u> Mo	<u>788</u> Mo	<u>738</u> Su	<u>688</u> Su	<u>638</u> Sa	<u>588</u> Sa
<u>887</u> We	<u>837</u> - Tu	<u>787</u> - Tu	<u>737</u> - Mo	<u>687</u> Mo	<u>637</u> - Su	<u>587</u> Su
<u>886</u> Th	<u>836</u> Th	<u>786</u> We	<u>736</u> We	<u>686</u> Tu	<u>636</u> Tu	<u>586</u> Mo
<u>885</u> - Fr	<u>835</u> Fr	<u>785</u> - Th	<u>735</u> Th	<u>685</u> - We	<u>635</u> We	<u>585</u> - Tu
<u>884</u> Su	<u>834</u> Sa	<u>784</u> Sa	<u>734</u> Fr	<u>684</u> Fr	<u>634</u> Th	<u>584</u> Th
<u>883</u> Mo	<u>833</u> - Su	<u>783</u> Su	<u>733</u> - Sa	<u>683</u> Sa	<u>633</u> - Fr	<u>583</u> Fr
<u>882</u> Tu	<u>832</u> Tu	<u>782</u> Mo	<u>732</u> Mo	<u>682</u> Su	<u>632</u> Su	<u>582</u> Sa
<u>881</u> - We	<u>831</u> We	<u>781</u> - Tu	<u>731</u> Tu	<u>681</u> - Mo	<u>631</u> Mo	<u>581</u> - Su
<u>880</u> Fr	<u>830</u> Th	<u>780</u> Th	<u>730</u> We	<u>680</u> We	<u>630</u> Tu	<u>580</u> Tu
<u>879</u> Sa	<u>829</u> - Fr	<u>779</u> Fr	<u>729</u> - Th	<u>679</u> Th	<u>629</u> - We	<u>579</u> We
<u>878</u> Su	<u>828</u> Su	<u>778</u> Sa	<u>728</u> Sa	<u>678</u> Fr	<u>628</u> Fr	<u>578</u> Th
<u>877</u> - Mo	<u>827</u> Mo	<u>777</u> - Su	<u>727</u> Su	<u>677</u> - Sa	<u>627</u> Sa	<u>577</u> - Fr
<u>876</u> We	<u>826</u> Tu	<u>776</u> Tu	<u>726</u> Mo	<u>676</u> Mo	<u>626</u> Su	<u>576</u> Su
<u>875</u> Th	<u>825</u> - We	<u>775</u> We	<u>725</u> - Tu	<u>675</u> Tu	<u>625</u> - Mo	<u>575</u> Mo
<u>874</u> Fr	<u>824</u> Fr	<u>774</u> Th	<u>724</u> Th	<u>674</u> We	<u>624</u> We	<u>574</u> Tu
<u>873</u> - Sa	<u>823</u> Sa	<u>773</u> - Fr	<u>723</u> Fr	<u>673</u> - Th	<u>623</u> Th	<u>573</u> - We
<u>872</u> Mo	<u>822</u> Su	<u>772</u> Su	<u>722</u> Sa	<u>672</u> Sa	<u>622</u> Fr	<u>572</u> Fr
<u>871</u> Tu	<u>821</u> - Mo	<u>771</u> Mo	<u>721</u> - Su	<u>671</u> Su	<u>621</u> - Sa	<u>571</u> Sa
<u>870</u> We	<u>820</u> We	<u>770</u> Tu	<u>720</u> Tu	<u>670</u> Mo	<u>620</u> Mo	<u>570</u> Su
<u>869</u> - Th	<u>819</u> Th	<u>769</u> - We	<u>719</u> We	<u>669</u> - Tu	<u>619</u> Tu	<u>569</u> - Mo
<u>868</u> Sa	<u>818</u> Fr	<u>768</u> Fr	<u>718</u> Th	<u>668</u> Th	<u>618</u> We	<u>568</u> We
<u>867</u> Su	<u>817</u> - Sa	<u>767</u> Sa	<u>717</u> - Fr	<u>667</u> Fr	<u>617</u> - Th	<u>567</u> Th
<u>866</u> Mo	<u>816</u> Mo	<u>766</u> Su	<u>716</u> Su	<u>666</u> Sa	<u>616</u> Sa	<u>566</u> Fr
<u>865</u> - Tu	<u>815</u> Tu	<u>765</u> - Mo	<u>715</u> Mo	<u>665</u> - Su	<u>615</u> Su	<u>565</u> - Sa
<u>864</u> Th	<u>814</u> We	<u>764</u> We	<u>714</u> Tu	<u>664</u> Tu	<u>614</u> Mo	<u>564</u> Mo
<u>863</u> Fr	<u>813</u> - Th	<u>763</u> Th	<u>713</u> - We	<u>663</u> We	<u>613</u> - Tu	<u>563</u> Tu
<u>862</u> Sa	<u>812</u> Sa	<u>762</u> Fr	<u>712</u> Fr	<u>662</u> Th	<u>612</u> Th	<u>562</u> We
<u>861</u> - Su	<u>811</u> Su	<u>761</u> - Sa	<u>711</u> Sa	<u>661</u> - Fr	<u>611</u> Fr	<u>561</u> - Th
<u>860</u> Tu	<u>810</u> Mo	<u>760</u> Mo	<u>710</u> Su	<u>660</u> Su	<u>610</u> Sa	<u>560</u> Sa
<u>859</u> We	<u>809</u> - Tu	<u>759</u> Tu	<u>709</u> - Mo	<u>659</u> Mo	<u>609</u> - Su	<u>559</u> Su
<u>858</u> Th	<u>808</u> Th	<u>758</u> We	<u>708</u> We	<u>658</u> Tu	<u>608</u> Tu	<u>558</u> Mo
<u>857</u> - Fr	<u>807</u> Fr	<u>757</u> - Th	<u>707</u> Th	<u>657</u> - We	<u>607</u> We	<u>557</u> - Tu
<u>856</u> Su	<u>806</u> Sa	<u>756</u> Sa	<u>706</u> Fr	<u>656</u> Fr	<u>606</u> Th	<u>556</u> Th
<u>855</u> Mo	<u>805</u> - Su	<u>755</u> Su	<u>705</u> - Sa	<u>655</u> Sa	<u>605</u> - Fr	<u>555</u> Fr
<u>854</u> Tu	<u>804</u> Tu	<u>754</u> Mo	<u>704</u> Mo	<u>654</u> Su	<u>604</u> Su	<u>554</u> Sa
<u>853</u> - We	<u>803</u> We	<u>753</u> - Tu	<u>703</u> Tu	<u>653</u> - Mo	<u>603</u> Mo	<u>553</u> - Su
<u>852</u> Fr	<u>802</u> Th	<u>752</u> Th	<u>702</u> We	<u>652</u> We	<u>602</u> Tu	<u>552</u> Tu
<u>851</u> Sa	<u>801</u> - Fr	<u>751</u> Fr	<u>701</u> - Th	<u>651</u> Th	<u>601</u> - We	<u>551</u> We

-B.34 of  
P.V. Neugebauer

Julian leap-years are marked with hyphen.  
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JULIAN CALENDAR

B.C. Jan.1

B.C. Jan.1

<u>550</u> Th	<u>500</u> Th	450 We	<u>400</u> We	<u>350</u> Tu	<u>300</u> Tu	<u>250</u> Mo
549- Fr	499 Fr	<u>449</u> - Th	<u>399</u> Th	<u>349</u> - We	<u>299</u> We	249- Tu
548 Su	<u>498</u> Sa	448 Sa	<u>398</u> Fr	<u>348</u> Fr	298 Th	<u>248</u> Th
<u>547</u> Mo	<u>497</u> - Su	447 Su	<u>397</u> - Sa	<u>347</u> Sa	<u>297</u> - Fr	<u>247</u> Fr
546 Tu	496 Tu	<u>446</u> Mo	<u>396</u> Mo	<u>346</u> Su	<u>296</u> Su	<u>246</u> Sa
545- We	<u>495</u> We	<u>445</u> - Tu	<u>395</u> Tu	<u>345</u> - Mo	295 Mo	<u>245</u> - Su
<u>544</u> Fr	494 Th	<u>444</u> Th	<u>394</u> We	344 We	<u>294</u> Tu	244 Tu
543 Sa	<u>493</u> - Fr	<u>443</u> Fr	<u>393</u> - Th	<u>343</u> Th	<u>293</u> - We	<u>243</u> We
542 Su	492 Su	442 Sa	<u>392</u> Sa	<u>342</u> Fr	<u>292</u> Fr	242 Th
<u>541</u> - Mo	491 Mo	<u>441</u> - Su	<u>391</u> Su	<u>341</u> - Sa	291 Sa	<u>241</u> - Fr
540 We	<u>490</u> Tu	<u>440</u> Tu	<u>390</u> Mo	<u>340</u> Mo	290 Su	240 Su
<u>539</u> Th	<u>489</u> - We	439 We	<u>389</u> - Tu	<u>339</u> Tu	<u>289</u> - Mo	<u>239</u> Mo
<u>538</u> Fr	488 Fr	<u>438</u> Th	<u>388</u> Th	<u>338</u> We	<u>288</u> We	238 Tu
537- Sa	<u>487</u> Sa	<u>437</u> - Fr	<u>387</u> Fr	<u>337</u> - Th	<u>287</u> Th	<u>237</u> - We
<u>536</u> Mo	<u>486</u> Su	<u>436</u> Su	<u>386</u> Sa	<u>336</u> Sa	<u>286</u> Fr	<u>236</u> Fr
535 Tu	485- Mo	<u>435</u> Mo	<u>385</u> - Su	<u>335</u> Su	<u>285</u> - Sa	<u>235</u> Sa
534 We	<u>484</u> We	434 Tu	<u>384</u> Tu	<u>334</u> Mo	<u>284</u> Mo	234 Su
<u>533</u> - Th	<u>483</u> Th	<u>433</u> - We	<u>383</u> We	<u>333</u> - Tu	<u>283</u> Tu	<u>233</u> - Mo
532 Sa	<u>482</u> Fr	432 Fr	<u>382</u> Th	<u>332</u> Th	<u>282</u> We	<u>232</u> We
<u>531</u> Su	<u>481</u> - Sa	431 Sa	<u>381</u> - Fr	<u>331</u> Fr	<u>281</u> - Th	<u>231</u> Th
530 Mo	480 Mo	<u>430</u> Su	<u>380</u> Su	<u>330</u> Sa	280 Sa	230 Fr
529- Tu	<u>479</u> Tu	<u>429</u> - Mo	<u>379</u> Mo	<u>329</u> - Su	<u>279</u> Su	<u>229</u> - Sa
528 Th	478 We	428 We	<u>378</u> Tu	<u>328</u> Tu	<u>278</u> Mo	228 Mo
527 Fr	<u>477</u> - Th	<u>427</u> Th	<u>377</u> - We	<u>327</u> We	<u>277</u> - Tu	<u>227</u> Tu
526 Sa	<u>476</u> Sa	426 Fr	<u>376</u> Fr	<u>326</u> Th	<u>276</u> Th	226 We
<u>525</u> - Su	<u>475</u> Su	<u>425</u> - Sa	<u>375</u> Sa	<u>325</u> - Fr	<u>275</u> Fr	<u>225</u> - Th
524 Tu	<u>474</u> Mo	424 Mo	<u>374</u> Su	<u>324</u> Su	<u>274</u> Sa	<u>224</u> Sa
523 We	<u>473</u> - Tu	<u>423</u> Tu	<u>373</u> - Mo	<u>323</u> Mo	<u>273</u> - Su	<u>223</u> Su
<u>522</u> Th	<u>472</u> Th	<u>422</u> We	<u>372</u> We	<u>322</u> Tu	<u>272</u> Tu	<u>222</u> Mo
521- Fr	<u>471</u> Fr	<u>421</u> - Th	<u>371</u> Th	<u>321</u> - We	<u>271</u> We	<u>221</u> - Tu
<u>520</u> Su	470 Sa	420 Sa	<u>370</u> Fr	<u>320</u> Fr	<u>270</u> Th	<u>220</u> Th
519 Mo	<u>469</u> - Su	<u>419</u> Su	<u>369</u> - Sa	<u>319</u> Sa	<u>269</u> - Fr	<u>219</u> Fr
518 Tu	<u>468</u> Tu	418 Mo	<u>368</u> Mo	<u>318</u> Su	<u>268</u> Su	<u>218</u> Sa
<u>517</u> - We	<u>467</u> We	<u>417</u> - Tu	<u>367</u> Tu	<u>317</u> - Mo	<u>267</u> Mo	<u>217</u> - Su
516 Fr	<u>466</u> Th	416 Th	<u>366</u> We	<u>316</u> We	<u>266</u> Tu	<u>216</u> Tu
515 Sa	<u>465</u> - Fr	415 Fr	<u>365</u> - Th	<u>315</u> Th	<u>265</u> - We	<u>215</u> We
<u>514</u> Su	<u>464</u> Su	<u>414</u> Sa	<u>364</u> Sa	<u>314</u> Fr	<u>264</u> Fr	<u>214</u> Th
513- Mo	<u>463</u> Mo	<u>413</u> - Su	<u>363</u> Su	<u>313</u> - Sa	<u>263</u> Sa	<u>213</u> - Fr
<u>512</u> We	<u>462</u> Tu	<u>412</u> Tu	<u>362</u> Mo	<u>312</u> Mo	<u>262</u> Su	<u>212</u> Su
511 Th	<u>461</u> - We	<u>411</u> We	<u>361</u> - Tu	<u>311</u> Tu	<u>261</u> - Mo	<u>211</u> Mo
510 Fr	<u>460</u> Fr	410 Th	<u>360</u> Th	<u>310</u> We	<u>260</u> We	<u>210</u> Tu
<u>509</u> - Sa	<u>459</u> Sa	<u>409</u> - Fr	<u>359</u> Fr	<u>309</u> - Th	<u>259</u> Th	<u>209</u> - We
508 Mo	458 Su	<u>408</u> Su	<u>358</u> Sa	<u>308</u> Sa	<u>258</u> Fr	<u>208</u> Fr
507 Tu	<u>457</u> - Mo	<u>407</u> Mo	<u>357</u> - Su	<u>307</u> Su	<u>257</u> - Sa	<u>207</u> Sa
<u>506</u> We	<u>456</u> We	<u>406</u> Tu	<u>356</u> Tu	<u>306</u> Mo	<u>256</u> Mo	<u>206</u> Su
505- Th	<u>455</u> Th	<u>405</u> - We	<u>355</u> We	<u>305</u> - Tu	<u>255</u> Tu	<u>205</u> - Mo
504 Sa	454 Fr	404 Fr	<u>354</u> Th	<u>304</u> Th	<u>254</u> We	<u>204</u> We
<u>503</u> Su	<u>453</u> - Sa	<u>403</u> Sa	<u>353</u> - Fr	<u>303</u> Fr	<u>253</u> - Th	<u>203</u> Th
502 Mo	<u>452</u> Mo	402 Su	<u>352</u> Su	<u>302</u> Sa	<u>252</u> Sa	<u>202</u> Fr
<u>501</u> - Tu	<u>451</u> Tu	<u>401</u> - Mo	<u>351</u> Mo	<u>301</u> - Su	<u>251</u> Su	<u>201</u> - Sa

Julian leap-years are marked with hyphen.  
 Veadar years are overscored.

JULIAN CALENDAR

B.C. Jan.1

A.D. Jan.1

A.D. Jan.1

200	Mo	<u>150</u>	Su	100	Su	50	Sa	<u>1</u>	Sa	51	Fr	<u>101</u>	Fr
199	Tu	149-	Mo	99	Mo	49-	Su	2	Su	<u>52-</u>	Sa	102	Sa
<u>198</u>	We	148	We	98	Tu	48	Tu	<u>3</u>	Mo	53	Mo	103	Su
197-	Th	147	Th	97-	We	47	We	4-	Tu	54	Tu	104-	Mo
196	Sa	146	Fr	96	Fr	46	Th	5	Th	55	We	105	We
195	Su	<u>145-</u>	Sa	95	Sa	45-	Fr	6	Fr	56-	Th	106	Th
<u>194</u>	Mo	144	Mo	94	Su	44	Su	7	Sa	57	Sa	107	Fr
193-	Tu	143	Tu	93-	Mo	43	Mo	<u>8-</u>	Su	58	Su	108-	Sa
192	Th	<u>142</u>	We	92	We	42	Tu	9	Tu	59	Mo	109	Mo
<u>191</u>	Fr	141-	Th	91	Th	41-	We	10	We	60-	Tu	110	Tu
190	Sa	<u>140</u>	Sa	90	Fr	40	Fr	<u>11</u>	Th	61	Th	111	We
<u>189-</u>	Su	139	Su	89-	Sa	39	Sa	12-	Fr	62	Fr	112-	Th
188	Tu	138	Mo	88	Mo	38	Su	13	Su	63	Sa	113	Sa
187	We	<u>137-</u>	Tu	87	Tu	37-	Mo	14	Mo	64-	Su	114	Su
<u>186</u>	Th	136	Th	86	We	36	We	15	Tu	65	Tu	115	Mo
185-	Fr	135	Fr	85-	Th	35	Th	<u>16-</u>	We	66	We	116-	Tu
184	Su	<u>134</u>	Sa	84	Sa	34	Fr	17	Fr	67	Th	117	Th
<u>183</u>	Mo	133-	Su	83	Su	33-	Sa	18	Sa	68-	Fr	118	Fr
182	Su	<u>132</u>	Tu	82	Mo	32	Mo	19	Su	69	Su	119	Sa
181-	We	131	We	81-	Tu	31	Tu	20-	Mo	70	Mo	120-	Su
<u>180</u>	Fr	130	Th	80	Th	30	We	21	We	71	Tu	121	Tu
179	Sa	<u>129-</u>	Fr	79	Fr	29-	Th	22	Th	72-	We	122	We
<u>178</u>	Su	128	Su	78	Sa	28	Sa	23	Fr	73	Fr	123	Th
177-	Mo	127	Mo	77-	Su	27	Su	<u>24-</u>	Sa	74	Sa	124-	Fr
176	We	<u>126</u>	Tu	76	Tu	26	Mo	25	Mo	75	Su	125	Su
<u>175</u>	Th	125-	We	75	We	25-	Tu	26	Tu	76-	Mo	126	Mo
174	Fr	124	Fr	74	Th	24	Th	27	We	77	We	127	Tu
173-	Sa	<u>123</u>	Sa	73-	Fr	23	Fr	28-	Th	78	Th	128-	We
<u>172</u>	Mo	122	Su	72	Su	22	Sa	29	Sa	79	Fr	129	Fr
171	Tu	<u>121-</u>	Mo	71	Mo	21-	Su	30	Su	80-	Sa	130	Sa
<u>170</u>	We	120	We	70	Tu	20	Tu	31	Mo	81	Mo	131	Su
169-	Th	119	Th	69-	We	19	We	32-	Tu	82	Tu	132-	Mo
168	Sa	<u>118</u>	Fr	68	Fr	18	Th	33	Th	83	We	133	We
<u>167</u>	Su	117-	Sa	67	Sa	17-	Fr	34	Fr	84-	Th	134	Th
166	Mo	116	Mo	66	Su	16	Su	35	Sa	85	Sa	135	Fr
165-	Tu	<u>115</u>	Tu	65-	Mo	15	Mo	36-	Su	86	Su	136-	Sa
<u>164</u>	Th	114	We	64	We	14	Tu	37	Tu	87	Mo	137	Mo
163	Fr	<u>113-</u>	Th	63	Th	13-	We	38	We	88-	Tu	138	Tu
162	Sa	112	Sa	62	Fr	12	Fr	39	Th	89	Th	139	We
161-	Su	111	Su	61-	Sa	11	Sa	40-	Fr	90	Fr	140-	Th
160	Tu	<u>110</u>	Mo	60	Mo	10	Su	41	Su	91	Sa	141	Sa
159	We	109-	Tu	59	Tu	9-	Mo	42	Mo	92-	Su	142	Su
158	Th	108	Th	58	We	8	We	43	Tu	93	Tu	143	Mo
157-	Fr	<u>107</u>	Fr	57-	Th	7	Th	44-	We	94	We	144-	Tu
156	Su	106	Sa	56	Sa	6	Fr	45	Fr	95	Th	145	Th
155	Mo	105-	Su	55	Su	5-	Sa	46	Sa	96-	Fr	146	Fr
154	Tu	<u>104</u>	Tu	54	Mo	4	Mo	47	Su	97	Su	147	Sa
153-	We	103	We	53-	Tu	3	Tu	48-	Mo	98	Mo	148-	Su
152	Fr	<u>102</u>	Th	52	Th	2	We	49	We	99	Tu	149	Tu
<u>151</u>	Sa	101-	Fr	51	Fr	1-	Th	50	Th	100-	We	150	We

Julian years are marked with hyphen.

Veadar years are overscored.

JULIAN CALENDAR

Table (f)

A.D. Jan.1

<u>151</u> Th	<u>201</u> Th	251 We	<u>301</u> We	<u>351</u> Tu
<u>152</u> - Fr	<u>202</u> Fr	252- Th	<u>302</u> Th	352- We
<u>153</u> Su	<u>203</u> Sa	<u>253</u> Sa	303 Fr	<u>353</u> Fr
<u>154</u> Mo	<u>204</u> - Su	254 Su	<u>304</u> - Sa	<u>354</u> Sa
<u>155</u> Tu	<u>205</u> Tu	255 Mo	<u>305</u> Mo	<u>355</u> Su
<u>156</u> - We	<u>206</u> We	<u>256</u> - Tu	<u>306</u> Tu	<u>356</u> - Mo
<u>157</u> Fr	<u>207</u> Th	257 Th	<u>307</u> We	357 We
<u>158</u> Sa	<u>208</u> - Fr	258 Fr	<u>308</u> - Th	<u>358</u> Th
<u>159</u> Su	<u>209</u> Su	259 Sa	<u>309</u> Sa	<u>359</u> Fr
<u>160</u> - Mo	<u>210</u> Mo	<u>260</u> - Su	<u>310</u> Su	360- Sa
<u>161</u> We	<u>211</u> Tu	261 Tu	311 Mo	<u>361</u> Mo
<u>162</u> Th	<u>212</u> - We	262 We	<u>312</u> - Tu	<u>362</u> Tu
<u>163</u> Fr	<u>213</u> Fr	263 Th	<u>313</u> Th	<u>363</u> We
<u>164</u> - Sa	<u>214</u> Sa	<u>264</u> - Fr	314 Fr	<u>364</u> - Th
<u>165</u> Mo	<u>215</u> Su	265 Su	<u>315</u> Sa	365 Sa
<u>166</u> Tu	<u>216</u> - Mo	266 Mo	<u>316</u> - Su	<u>366</u> Su
<u>167</u> We	<u>217</u> We	267 Tu	317 Tu	<u>367</u> Mo
<u>168</u> - Th	<u>218</u> Th	<u>268</u> - We	<u>318</u> We	<u>368</u> - Tu
<u>169</u> Sa	<u>219</u> Fr	269 Fr	319 Th	369 Th
<u>170</u> Su	<u>220</u> - Sa	270 Sa	<u>320</u> - Fr	<u>370</u> Fr
<u>171</u> Mo	<u>221</u> Mo	<u>271</u> Su	321 Su	371 Sa
<u>172</u> - Tu	<u>222</u> Tu	<u>272</u> - Mo	322 Mo	<u>372</u> - Su
<u>173</u> Th	<u>223</u> We	273 We	<u>323</u> Tu	<u>373</u> Tu
<u>174</u> Fr	<u>224</u> - Th	<u>274</u> Th	<u>324</u> - We	<u>374</u> We
<u>175</u> Sa	<u>225</u> Sa	275 Fr	<u>325</u> Fr	375 Th
<u>176</u> - Su	<u>226</u> Su	<u>276</u> - Sa	326 Sa	<u>376</u> - Fr
<u>177</u> Tu	<u>227</u> Mo	<u>277</u> Mo	327 Su	<u>377</u> Su
<u>178</u> We	<u>228</u> - Tu	278 Tu	<u>328</u> - Mo	<u>378</u> Mo
<u>179</u> Th	<u>229</u> Th	<u>279</u> We	329 We	379 Tu
<u>180</u> - Fr	<u>230</u> Fr	<u>280</u> - Th	330 Th	<u>380</u> - We
<u>181</u> Su	<u>231</u> Sa	281 Sa	<u>331</u> Fr	381 Fr
<u>182</u> Mo	<u>232</u> - Su	<u>282</u> Su	<u>332</u> - Sa	<u>382</u> Sa
<u>183</u> Tu	<u>233</u> Tu	283 Mo	333 Mo	<u>383</u> Su
<u>184</u> - We	<u>234</u> We	<u>284</u> - Tu	<u>334</u> Tu	<u>384</u> - Mo
<u>185</u> Fr	<u>235</u> Th	<u>285</u> Th	335 We	<u>385</u> We
<u>186</u> Sa	<u>236</u> - Fr	286 Fr	<u>336</u> - Th	<u>386</u> Th
<u>187</u> Su	<u>237</u> Su	<u>287</u> Sa	337 Sa	387 Fr
<u>188</u> - Mo	<u>238</u> Mo	<u>288</u> - Su	338 Su	<u>388</u> - Sa
<u>189</u> We	<u>239</u> Tu	289 Tu	<u>339</u> Mo	389 Mo
<u>190</u> Th	<u>240</u> - We	<u>290</u> We	<u>340</u> - Tu	390 Tu
<u>191</u> Fr	<u>241</u> Fr	291 Th	341 Th	<u>391</u> We
<u>192</u> - Sa	<u>242</u> Sa	<u>292</u> - Fr	<u>342</u> Fr	<u>392</u> - Th
<u>193</u> Mo	<u>243</u> Su	293 Su	343 Sa	<u>393</u> Sa
<u>194</u> Tu	<u>244</u> - Mo	294 Mo	<u>344</u> - Su	394 Su
<u>195</u> We	<u>245</u> We	295 Tu	345 Tu	395 Mo
<u>196</u> - Th	<u>246</u> Th	<u>296</u> - We	346 We	<u>396</u> - Tu
<u>197</u> Sa	<u>247</u> Fr	297 Fr	<u>347</u> Th	397 Th
<u>198</u> Su	<u>248</u> - Sa	298 Sa	<u>348</u> - Fr	398 Fr
<u>199</u> Mo	<u>249</u> Mo	299 Su	349 Su	<u>399</u> Sa
<u>200</u> - Tu	<u>250</u> Tu	<u>300</u> - Mo	<u>350</u> Mo	400- Su

Julian leap-years are marked with hyphen.  
 Veadar years are overscored.

## JULIAN CALENDAR

Table (f).--This table designates both the Julian and Jewish leap-years, and the day of the week for January 1, over a period of 2000 years. The B.C. leap-years are those that give a remainder of 1, after dividing by four. Hence they are odd numbers. The A.D. leap-years are all equally divided by four, and are therefore even numbers. For convenience and accuracy, the Julian leap-years are marked with a hyphen.

The overscored year in this table is not the Jewish leap-year proper -- it is simply the end of the embolismic year, which contains the Veadar month. The Jewish leap-year, like the common Jewish year, consists of parts of two years Julian. It therefore includes the year above and below the dividing line, and the year below is the one that contains the leap-month, known as Veadar. This information is necessary for selection from Schram's calendar the Julian day number for the month desired.

In Table (f), the first year of each 19-year cycle is marked with an asterisk.



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