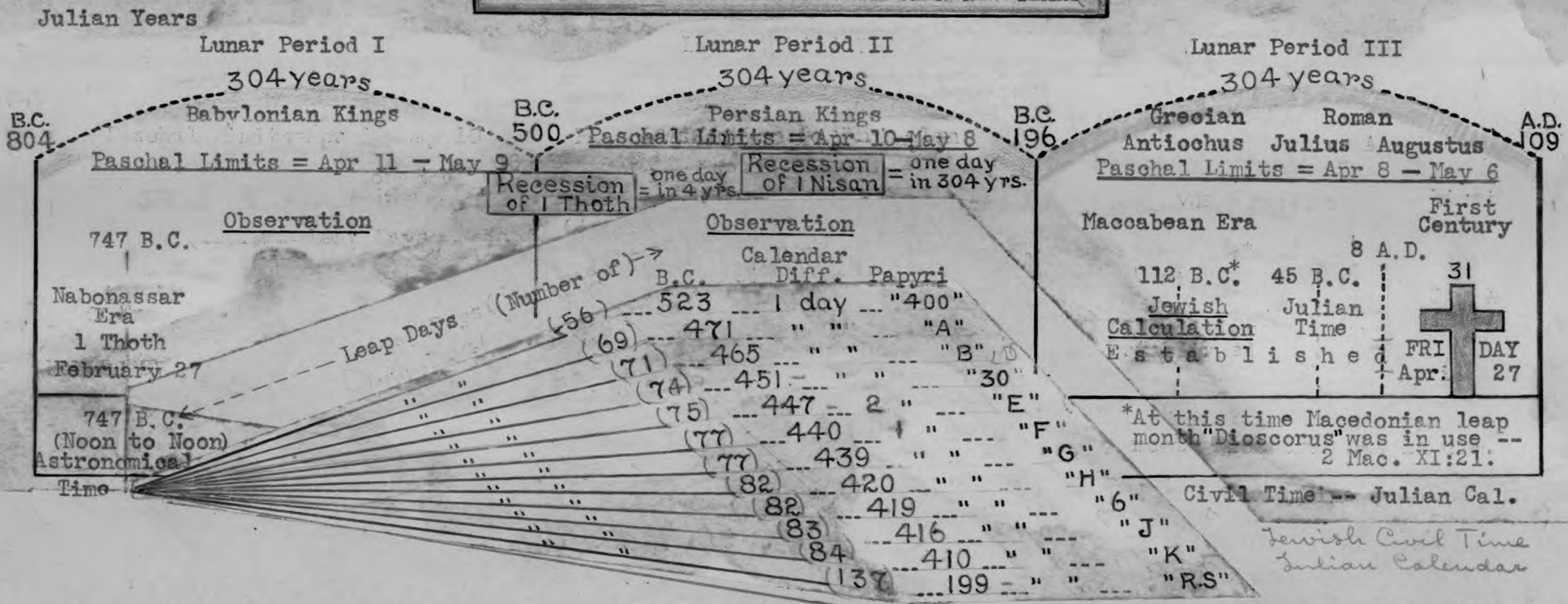


RECESSION OF ARAMAIC AND EGYPTIAN NEW YEARS



The calendar represented by the Aramaic dates of the papyri here listed fully conforms to the calendar ^{principles} underlying the crucifixion date, with the exception that the papyri dates, on account of irregular intercalation, would seem to represent observation alone, while the crucifixion calendar gives evidence of both observation and calculation. This reform in luni-solar computation was brought about in the Maccabean era, 200 years after the time of Alexander, when mathematicians taught the Jews how to calculate the conjunctions and appearance of the new moons (Albîrûnî, "Chronology of Ancient Nations," p. 68. Tr. by Sachau). In the solution of these Aramaic dates, there have been employed the following ^{features} principles of luni-solar time:

1. Jewish day calendar-dated by ^{its} second civil date.
2. Passover following Jewish full moon day in Jerusalem.
3. Passover limits (April 8 to May 6, 1st century), determined from barley harvest moons.
4. Length of Jewish year -- from passover to passover.
5. Length of Heshvan and Kislev regulated by length of year.
6. Feast months ^(Nisan to Tisri) alternate 30 and 29 days; in leap year, Adar = 30 and Veadar, 29.
7. Translation period of 1 to 4 days.
8. Leap months determined from moon's place on calendar.

[Although the Jews of Elephantine had a temple of their own, and may have had priests who regulated the beginning of their months; yet the papyri yield ample correspondence between the Aramaic and the Jews of Judea. There being only 10 minutes difference between Alexandrian and Jerusalem civil time, the Jewish dates in this series have all been computed in Jerusalem civil time.]

Entire series of Jewish dates dependent upon position of passover

PASSOVER METHOD FOR DETERMINING JULIAN EQUIVALENT OF ARAMAIC DATES* (3)

Y E A R	FULL MOON G.M.T.**	NISAN 13 J.C.T.	NISAN 14 J.C.T.	NISAN 1 J.C.T.	CONJUNCTION JER. CIV. T.	TRANSLA- TION PERIOD (DAYS)	LENGTH OF YEAR (DAYS)
481	May 4.04	4.63	May 5	Apr 22	Apr 19.28	2.47	(11) 354
480	Apr 23.12	23.71	Apr 24	Apr 11	Apr 8.99	1.76	(12) 355
479	Apr 12.16	12.75	Apr 14	Apr 1	Mar 29.64	2.10	(13) 354
478	Apr 30.93	31.52	May 2	Apr 19	Apr 17.58	1.16	(14) 355
477	Apr 19.38	19.97	Apr 21	Apr 8	Apr 5.90	1.84	(15) 354
476	Apr 9.03	9.62	Apr 10	Mar 28	Mar 25.95	1.79	(16) 384
475	Apr 28.04	28.63	Apr 29	Apr 16	Apr 13.64	2.10	(17) 355
474	Apr 17.71	18.30	Apr 19	Apr 6	Apr 2.80	2.94	(18) 384
473	May 5.62	6.21	May 7	Apr 24	Apr 20.68	3.06	(19) 354
472	Apr 24.89	25.48	Apr 26	Apr 13	Apr 10.27	2.47	(1) 354
471	Apr 13.93	14.52	Apr 15	Apr 2	Mar 30.98	1.76	(2) 384
470	May 2.61	3.20	May 4	Apr 21	Apr 18.99	1.75	(3) 354
469	Apr 20.83	21.42	Apr 22	Apr 9	Apr 7.51	1.23	(4) 355
468	Apr 10.35	10.94	Apr 12	Mar 30	Mar 27.73	2.01	(5) 384
467	Apr 29.34	29.93	May 1	Apr 18	Apr 15.42	2.32	(6) 354
466	Apr 19.06	19.65	Apr 20	Apr 7	Apr 4.45	2.29	(7) 384
465	May 7.04	7.63	May 8	Apr 25	Apr 22.21	2.53	(8) 355
464	Apr 26.52	27.11	Apr 28	Apr 15	Apr 11.63	3.11	(9) 354
463	Apr 15.73	16.32	Apr 17	Apr 4	Apr 1.29	2.45	(10) 384
462	May 4.40	4.99	May 6	Apr 23	Apr 20.30	2.44	(11) 354
461	Apr 22.45	23.04	Apr 24	Apr 11	Apr 8.96	1.78	(12) 354
460	Apr 11.75	12.34	Apr 13	Mar 31	Mar 29.40	1.34	(13) 384
459	Apr 30.68	31.27	May 2	Apr 19	Apr 17.18	1.56	(14) 355
458	Apr 20.36	20.95	Apr 22	Apr 9	Apr 6.23	2.51	(15) 354
457	Apr 9.05	9.64	Apr 10	Mar 28	Mar 25.31	2.45	(16) 384
456	Apr 28.02	28.61	Apr 29	Apr 16	Apr 13.12	2.62	(17) 355
455	Apr 17.44	18.03	Apr 19	Apr 6	Apr 2.61	3.12	(18) 384
454	May 6.18	6.77	May 8	Apr 25	Apr 21.59	3.15	(19) 354
453	Apr 24.22	24.81	Apr 26	Apr 13	Apr 10.31	2.43	(1) 354
452	Apr 13.32	13.91	Apr 15	Apr 2	Mar 30.92	1.82	(2) 383
451	May 2.14	2.73	May 4	Apr 21	Apr 18.82	1.92	(3) 355
450	Apr 21.67	22.26	Apr 23	Apr 10	Apr 8.02	1.72	(4) 355
449	Apr 10.36	10.95	Apr 12	Mar 30	Mar 27.05	2.69	(5) 384
448	Apr 29.38	29.97	May 1	Apr 18	Apr 14.76	2.98	(6) 354
447	Apr 18.97	19.56	Apr 20	Apr 7	Apr 4.02	2.72	(7) 355
446	Apr 8.30	8.89	Apr 10	Mar 28	Mar 24.59	3.15	(8) 383
445	Apr 26.02	26.61	Apr 27	Apr 14	Apr 11.61	2.13	(9) 354
444	Apr 15.04	15.63	Apr 16	Apr 3	Apr 1.31	1.43	(10) 384
443	May 3.74	4.33	May 5	Apr 22	Apr 20.28	1.46	(11) 354
442	Apr 23.07	23.66	Apr 24	Apr 11	Apr 9.71	1.03	(12) 355
441	Apr 11.67	12.26	Apr 13	Mar 31	Mar 28.84	1.90	(13) 384
440	Apr 30.69	31.28	May 2	Apr 19	Apr 16.52	2.22	(14) 355
439	Apr 20.37	20.96	Apr 22	Apr 9	Apr 5.60	3.14	(15) 354
438	Apr 9.90	10.49	Apr 11	Mar 29	Mar 25.97	2.77	(16) 384
437	Apr 27.72	28.31	Apr 29	Apr 16	Apr 12.92	2.82	(17) 354
436	Apr 16.83	17.42	Apr 18	Apr 5	Apr 2.61	2.13	(18) 384
435	May 5.50	6.09	May 7	Apr 24	Apr 21.62	2.12	(19) 354
434	Apr 24.61	25.20	Apr 26	Apr 13	Apr 11.24	1.50	(1) 354
433	Apr 13.02	13.61	Apr 14	Apr 1	Mar 30.58	1.16	(2) 384
432	May 1.97	2.56	May 3	Apr 20	Apr 18.30	1.44	(3) 355
431	Apr 21.68	22.27	Apr 23	Apr 10	Apr 7.33	2.41	(4) 355
430	Apr 11.36	11.95	Apr 13	Mar 31	Mar 27.48	3.26	(5) 384
429	Apr 29.27	29.86	May 1	Apr 18	Apr 14.34	3.40	(6) 354
428	Apr 18.57	19.16	Apr 20	Apr 7	Apr 3.91	2.83	(7) 384
427	May 7.29	7.88	May 9	Apr 26	Apr 22.92	2.83	(8) 354
426	Apr 26.31	26.90	Apr 28	Apr 15	Apr 12.63	2.11	(9) 354
425	Apr 14.50	15.09	Apr 16	Apr 3	Apr 1.16	1.58	(10) 384
424	May 3.37	3.96	May 5	Apr 22	Apr 19.99	1.75	(11) 354
423	Apr 22.98	23.57	Apr 24	Apr 11	Apr 9.11	1.63	(12) 355
422	Apr 12.70	13.29	Apr 14	Apr 1	Mar 29.14	2.60	(13) 384
421	Apr 30.69	31.28	May 2	Apr 19	Apr 15.89	2.85	(14) 355
420	Apr 20.20	20.79	Apr 22	Apr 9	Apr 5.28	3.46	(15) 354
419	Apr 9.41	10.00	Apr 11	Mar 29	Mar 25.91	2.83	(16) 383
418	Apr 28.09	28.68	Apr 29	Apr 16	Apr 13.93	1.81	(17) 354
417	Apr 16.14	16.73	Apr 18	Apr 5	Apr 2.61	1.12	(18) 384
416	May 4.90	5.49	May 6	Apr 23	Apr 21.54	1.20	(19) 355
415	Apr 24.34	24.93	Apr 26	Apr 13	Apr 10.86	1.88	(1) 354
414	Apr 13.98	14.57	Apr 15	Apr 2	Mar 30.92	1.82	(2) 384
413	May 2.00	2.59	May 3	Apr 20	Apr 17.60	2.14	(3) 355
412	Apr 21.67	22.26	Apr 23	Apr 10	Apr 6.78	2.96	(4) 354
411	Apr 11.09	11.68	Apr 12	Mar 30	Mar 27.24	2.50	(5) 384
410	Apr 29.86	30.45	May 1	Apr 18	Apr 15.23	2.51	(6) 354
409	Apr 17.90	18.49	Apr 19	Apr 6	Apr 3.93	1.81	(7) 384
408	May 6.59	7.18	May 8	Apr 25	Apr 22.93	1.82	(8) 354
407	Apr 25.80	26.39	Apr 27	Apr 14	Apr 12.46	1.28	(9) 355

6939.6896

6939 DAYS

19 YEAR CYCLE

6940 DAYS

(384)
(354)
Change of
Embolism

19 YEAR CYCLE

6939 20818=
DAYS
IN 3
CYCLES

19 YEAR CYCLE

6940 27758=
DAYS
IN 4
CYCLES

* The Passover dates, reckoned from full moon, determine length of year, which, in turn, establishes the length of each month.
** Ginzler, "Handbuch der mathematischen und technischen Chronologie," Vol. II. Astronomical dates are reduced to Jerusalem Civil Time (J.C.T.) by adding to each G.M.T. date 14^h 20^m, or .59 of a day.

Lunar Period I

Lunar Period II

Lunar Period III

304 years

304 years

304 years

804 B.C. Babylonian Kings 500 B.C. Persian Kings 196 B.C. Antiochus Julius Augustus 109 A.D.

747 B.C. Ptolemaic Canon 1 Thoth Feb. 26/27

1st yr. of Ginzel Preces- sion of years 1 Thoth B.C. Leap Days 56 Jan 523 69 Dec 471 71 " 465 73 " 451 75 " 447 77 " 440 77 " 439 82 " 420 82 " 419 83 " 416 84 " 410 137 Oct 199

112 B.C. 45 B.C. 8 A.D.

Maccabean Era Calculation Established

31 Friday April 27

RECESSION of ARAMAIC AND EGYPTIAN NEW YEAR

199 B.C. "R.S." (Rosetta Stone)

ANCIENT DOUBLE DATING FOUND ON PAPYRUS, TABLET, AND STONE

Table with columns: B.C., Tablet/Papyrus/Stone, Date, and Conversion. Includes entries like '400' -- 14 Tammuz = 17 or 18 Phamenoth, 'A' -- 18 Elul = 28 Pachons, etc.

POSITION OF JULIAN LEAP YEAR AND RECESSON OF EGYPTIAN NEW YEAR (1 THOTH)

(From ~~1322~~ B.C. to ~~139~~ A.D.) *
240

19/20 } ----->

B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth
824	748 (Feb 27)	672 (Feb 7/6)	596 (Jan 16/20)	520 (Dec 31/31)	444 (Dec 12/13)	368 (Nov 23/24)
823	747 Nabonassar Era	671	595	519	443	367
822	746	670	594	518	442	366
821-Mar 16	745-Feb 26	669-Feb 7	593-Jan 18/19	517-Dec 31/31	441-Dec 12/12	365-Nov 22/23
820	744	668	592	516	440 Papyrus "F"	364
819	743	667	591	515	439 Papyrus "G"	363
818	742	666	590	514	438	362
817-Mar 14	741-Feb 25	665-Feb 6	589-Jan 17/18	513-Dec 30/30	437-Dec 11/11	361-Nov 21/22
816	740	664	588	512	436	360
815	739	663	587	511	435	359
814	738	662	586	510	434	358
813-Mar 13	737-Feb 24	661-Feb 5	585-Jan 16/17	509-Dec 29/29	433-Dec 10/10	357-Nov 20/21
812	736	660	584	508	432	356
811	735	659	583	507	431	355
810	734	658	582	506	430	354
809-Mar 12	733-Feb 23	657-Feb 4	581-Jan 15/16	505-Dec 28/28	429-Dec 9/9	353-Nov 19/20
808	732	656	580	504	428	352
807	731	655	579	503	427	351
806	730	654	578	502	426	350
805-Mar 11	729-Feb 22	653-Feb 3	577-Jan 14/15	501-Dec 27/27	425-Dec 8/8	349-Nov 18/19
804	728	652	576	500	424	348
803	727	651	575	499	423	347
802	726	650	574	498	422	346
801-Mar 10	725-Feb 21	649-Feb 2	573-Jan 13/14	497-Dec 26/26	421-Dec 7/7	345-Nov 17/18
800	724	648	572	496	420 Papyrus "H"	344
799	723	647	571	495	419	343
798	722	646 Feb 1	570	494	418	342
797-Mar 9	721-Feb 20	645-Jan 31	569-Jan 12/13	493-Dec 25/25	417-Dec 6/6	341-Nov 16/17
796	720 <i>Eclipse</i>	644	568	492	416 Papyrus "J"	340
795	719	643	567	491	415	339
794	718	642 Feb 31	566	490	414	338
793-Mar 8	717-Feb 19	641-Jan 30/31	565-Jan 11/12	489-Dec 24/24	413-Dec 5/5	337-Nov 15/16
792	716	640	564	488	412	336
791	715	639	563	487	411	335
790	714	638	562	486	410 Papyrus "K"	334
789-Mar 7	713-Feb 18	637-Jan 29/30	561-Jan 10/11	485-Dec 23/23	409-Dec 4/4	333-Nov 14/15
788	712	636	560	484	408	332
787	711	635	559	483	407	331
786	710	634	558	482	406	330
785-Mar 6	709-Feb 17	633-Jan 28/29	557-Jan 9/10	481-Dec 22/22	405-Dec 3/3	329-Nov 13/14
784	708	632	556	480	404	328
783	707	631	555	479	403	327
782	706	630	554	478	402	326
781-Mar 5	705-Feb 16	629-Jan 27/28	553-Jan 8/9	477-Dec 21/21	401-Dec 2/2	325-Nov 12/13
780	704	628	552	476	400	324
779	703	627	551	475	399	323
778	702	626	550	474	398 Dec 1	322
777-Mar 4	701-Feb 15	625-Jan 26/27	549-Jan 7/8	473-Dec 20/20	397-Dec 30/31	321-Nov 11/12
776	700	624	548	472	396	320
775	699	623	547	471 Papyrus "A"	395	319
774	698	622	546	470	394	318
773-Mar 3	697-Feb 14	621 Jan 25/26	545-Jan 6/7	469-Dec 19/19	393-Nov 30/30	317-Nov 10/11
772	696	620 <i>Eclipse</i>	544	468	392	316
771	695	619 <i>Eclipse</i>	543	467	391	315
770	694	618	542	466	390	314
769-Mar 2	693-Feb 13	617-Jan 24/25	541-Jan 5/6	465-Dec 18/18	389-Nov 29/29	313-Nov 9/10
768	692	616	540	464 Papyrus "B"	388	312
767	691	615	539	463	387	311
766	690	614	538	462	386	310
765-Mar 1	689-Feb 12	613-Jan 23/24	537-Jan 4/5	461-Dec 17/17	385-Nov 28/28	309-Nov 8/9
764	688	612	536	460 Papyrus "D"	384	308
763	687	611	535	459	383	307
762	686	610	534	458	382	306
761-Mar 29	685-Feb 11	609-Jan 22/23	533-Jan 3/4	457-Dec 16/16	381-Nov 27/27	305-Nov 7/8
760	684	608	532	456	380	304
759	683	607	531	455	379	303
758	682	606	530	454	378	302
757-Feb 29	681-Feb 10	605-Jan 21/22	529-Jan 2/3	453-Dec 15/15	377-Nov 26/26	301-Nov 6/7
756	680	604	528	452	376	300
755	679	603	527	451 Papyrus Ungnad "30"	375	299
754	678	602	526	450	374	298
753-Feb 28	677-Feb 9	601-Jan 20/21	525-Jan 1/2	449-Dec 14/14	373-Nov 25/25	297-Nov 5/6
752	676	600	524	448	372	296
751	675	599	523 <i>Cambyse Tablet</i>	447 Papyrus "E"	371	295
750	674	598	522	446	370	294
749-Feb 27	673-Feb 8	597-Jan 19/20	521-Jan 1	445-Dec 13/13	369-Nov 24/24	293-Nov 4/5

overs the Sothic Cycle from 1322 B.C. to 139 A.D. Date of 1 Thoth is placed opposite the which time it occurs a day earlier.

B.C.	1 Thoth	1 Thoth	1 Thoth	1 Thoth
747	Feb 26/27	Feb 7/8	Jan 19/20	Dec 31/Jan 1
746	670	596	520	444
*745	*669	*593	*517	*441
744	Feb 25/26	Feb 6/7	Jan 18/19	Dec 30/31
743	667	592	516	440
742	666	591	515	439
*741	*665	*589	*513	*437
740	Feb 24/25	Feb 5/6	Jan 17/18	Dec 29/30
739	663	588	512	436
738	662	587	511	435
*737	*661	*585	*509	*433
736	Feb 23/24	Feb 4/5	Jan 16/17	Dec 28/29
735	659	584	508	432
734	658	583	507	431
*733	*657	*581	*505	*429
732	Feb 22/23	Feb 3/4	Jan 15/16	Dec 27/28
731	655	580	504	428
730	654	579	503	427
*729	*653	*577	*501	*425
728	Feb 21/22	Feb 2/3	Jan 14/15	Dec 26/27
727	651	576	500	424
726	650	575	499	423
*725	*649	*573	*497	*421
724	Feb 20/21	Feb 1/2	Jan 13/14	Dec 25/26
723	647	572	496	420
722 (Lunar Ecl. 19 Thoth)	646	571	495	419
*721	*645	*569	*493	*417
720	Feb 19/20	Jan 31/1	Jan 12/13	Dec 24/25
719 Jackson, Vol. I, p. 429	643	568	492	416
718	642	567	491	415
*717	*641	*565	*489	*413
716	Feb 18/19	Jan 30/31	Jan 11/12	Dec 23/24
715	639	564	488	412
714	638	563	487	411
*713	*637	*561	*485	*409
712	Feb 17/18	Jan 29/30	Jan 10/11	Dec 22/23
711	635	560	484	408
710	634	559	483	407
*709	*633	*557	*481	*405
708	Feb 16/17	Jan 28/29	Jan 9/10	Dec 21/22
707	631	556	480	404
706	630	555	479	403
*705	*629	*553	*477	*401
704	Feb 15/16	Jan 27/28	Jan 8/9	Dec 20/21
703	627	552	476	400
702	626	551	475	399
*701	*625	*549	*473	*397
700	Feb 14/15	Jan 26/27	Jan 7/8	Dec 19/20
699	623	548	472	396
698	622	547	471	395
*697	*621 (Apr. 21)	*545	*469	*393
696	Feb 13/14	Jan 25/26	Jan 6/7	Dec 18/19
695	619	544	468	392
694	618	543	467	391
*693	*617	*541	*465	*389
692	Feb 12/13	Jan 24/25	Jan 5/6	Dec 17/18
691	615	540	464	388
690	614	539	463	387
*689	*613	*537	*461	*385
688	Feb 11/12	Jan 23/24	Jan 4/5	Dec 16/17
687	611	536	460	384
686	610	535	459	383
*685	*609	*533	*457	*381
684	Feb 10/11	Jan 22/23	Jan 3/4	Dec 15/16
683	607	532	456	380
682	606	531	455	379
*681	*605	*529	*453	*377
680	Feb 9/10	Jan 21/22	Jan 2/3	Dec 14/15
679	603	528	452	376
678	602	527	451	375
*677	*601	*525	*449	*373
676	Feb 8/9	Jan 20/21	Jan 1/2	Dec 13/14
675	599	524	448	372
674	598	523	447	371
*673	*597	*521	*445	*369

B.C.	1 Thoth	1 Thoth	1 Thoth	1 Thoth	1 Thoth						
292	Nov 5	216	Oct 16	140	Sep 28	64	Sep 9	13	Aug 21	89	Aug 12
291		215		139		63		14		90	
290		214		138		62		15		91	
*289		*213		*137		*61		*16		*92	
288	Nov 4	212	Oct 16	136	Sep 27	60	Sep 8	17	Aug 20	93	Aug 1
287		211		135		59		18		94	
286		210		134		58		19		95	
*285		*209		*133		*57		*20		*96	
284	Nov 3	208	Oct 15	132	Sep 26	56	Sep 7	21	Aug 19	97	Jul 31
283		207		131		55		22		98	
282		206		130		54		23		99	
*281		*205		*129		*53		*24		*100	
280	Nov 2	204	Oct 14	128	Sep 25	52	Sep 6	25	Aug 18	101	Jul 30
279		203		127		51		26		102	
278		202		126		50		27		103	
*277		*201		*125		*49		*28		*104	
276	Nov 1	200	Oct 13	124	Sep 24	48	Sep 5	29	Aug 17	105	Jul 29
275		199		123		47		30		106	
274		198		122		46		31		107	
*273		*197		*121		*45		*32		*108	
272	Oct 31	196	Oct 12	120	Sep 23	44	Sep 4	33	Aug 16	109	Jul 28
271		195		119		43		34		110	
270		194		118		42		35		111	
*269		*193		*117		*41		*36		*112	
268	Oct 30	192	Oct 11	116	Sep 22	40	Sep 3	37	Aug 15	113	Jul 27
267		191		115		39		38		114	
266		190		114		38		39		115	
*265		*189		*113		*37		*40		*116	
264	Oct 29	188	Oct 10	112	Sep 21	36	Sep 2	41	Aug 14	117	Jul 26
263		187		111		35		42		118	
262		186		110		34		43		119	
*261		*185		*109		*33		*44		*120	
260	Oct 28	184	Oct 9	108	Sep 20	32	Sep 1	45	Aug 13	121	Jul 25
259		183		107		31	Sept	46		122	
258		182		106		30		47		123	
*257		*181		*105		*29		*48		*124	
256	Oct 27	180	Oct 8	104	Sep 19	28	Aug 31	49	Aug 12	125	Jul 24
255		179		103		27		50		126	
254		178		102		26		51		127	
*253		*177		*101		*25		*52		*128	
252	Oct 26	176	Oct 7	100	Sep 18	24	Aug 30	53	Aug 11	129	Jul 23
251		175		99		23		54		130	
250		174		98		22		55		131	
*249		*173		*97		*21		*56		*132	
248	Oct 25	172	Oct 6	96	Sep 17	20	Aug 29	57	Aug 10	133	Jul 22
247		171		95		19		58		134	
246		170		94		18		59		135	
*245		*169		*93		*17		*60		*136	
244	Oct 24	168	Oct 5	92	Sep 16	16	Aug 28	61	Aug 9	137	Jul 21
243		167		91		15		62		138	
242		166		90		14		63		139	
*241		*165		*89		*13		*64		*140	Jul 19/20
240	Oct 23	164	Oct 4	88	Sep 15	12	Aug 27	65	Aug 8		
239		163		87		11		66			
238		162		86		10		67			
*237		*161		*85		*9		*68			
236	Oct 22	160	Oct 3	84	Sep 14	8	Aug 26	69	Aug 7		
235		159		83		7		70			
234		158		82		6		71			
*233		*157		*81		*5		*72			
232	Oct 21	156	Oct 2	80	Sep 13	4	Aug 25	73	Aug 6		
231		155		79		3		74			
230		154		78		2		75			
*229	Oct 20	*153	Oct 1	*77	Sep 12	*1	Aug 24	*76	Aug 5		
228		152		76		1		77			
227		151		75		2		78			
226		150		74		3		79			
*225		*149		*73		*4		*80			
224	Oct 19	148	Sep 30	72	Sep 11	5	Aug 23	81	Aug 4		
223		147		71		6		82			
222		146		70		7		83			
*221		*145		*69		*8		*84			
220	Oct 18	144	Sep 29	68	Sep 10	9	Aug 22	85	Aug 3		
219		143		67		10		86			
218		142		66		11		87			
*217		*141		*65		*12		*88			

1327
139
1460

Just heading
TABLE

This is proper heading

EGYPTIAN NEW YEAR (1 THOTH) AND ITS JULIAN EQUIVALENT DATE
(NOON TO NOON, ASTRONOMICAL TIME -- FROM 1356 B.C. TO 238 A.D.)*

(2)

B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	A.D. 1 Thoth	A.D. 1 Thoth	A.D. 1 Thoth	A.D. 1 Thoth
292	216	140	64	13	89	165
291	215	139	63	14	90	166
290	214	138	62	15	91	167
289-Nov 314	213-Oct 15716	137-Sep 267 27	61-Sep 778	16-Aug 197 20	92-Jul 31761	168-Jul 12713
288	212	136	60	17	93	169
287	211	135	59	18	94	170
286	210	134	58	19	95	171
285-Nov 213	209-Oct 14715	133-Sep 257 26	57-Sep 577	20-Aug 187 19	96-Jul 307 31	172-Jul 11712
284	208	132	56	21	97	173
283	207	131	55	22	98	174
282	206	130	54	23	99	175
281-Nov 172	205-Oct 13714	129-Sep 247 25	53-Sep 376	24-Aug 177 18	100-Jul 297 30	176-Jul 10711
280	204	128	52	25	101	177
279	203	127	51	26	102	178
278 Nov	202	126	50	27	103	179
277-Oct 31761	201-Oct 12713	125-Sep 237 24	49-Sep 175	28-Aug 167 17	104-Jul 287 29	180-Jul 9710
276	200	124	48	29	105	181
275	199	123	47	30	106	182
274	198	122	46	31	107	183
273-Oct 307 31	197-Oct 11712	121-Sep 227 23	45-Sep 374	32-Aug 157 16	108-Jul 277 28	184-Jul 879
272	196	120	44	33	109	185
271	195	119	43	34	110	186
270	194	118	42	35	111	187
269-Oct 297 30	193-Oct 10711	117-Sep 217 22	41-Sep 273	36-Aug 147 15	112-Jul 267 27	188-Jul 778
268	192	116	40	37	113	189
267	191	115	39	38	114	190
266	190	114	38	39	115	191
265-Oct 287 29	189-Oct 9710	113-Sep 207 21	37-Sep 172	40-Aug 137 14	116-Jul 257 26	192-Jul 677
264	188	112	36	41	117	193
263	187	111	35	42	118	194
262	186	110	34	43	119	195
261-Oct 277 28	185-Oct 879	109-Sep 197 20	33-Aug 3751	44-Aug 127 13	120-Jul 247 25	196-Jul 576
260	184	108	32	45	121	197
259	183	107	31	46	122	198
258	182	106	30	47	123	199
257-Oct 267 27	181-Oct 778	105-Sep 187 19	29-Aug 307 31	48-Aug 117 12	124-Jul 237 24	200-Jul 475
256	180	104	28	49	125	201
255	179	103	27	50	126	202
254	178	102	26	51	127	203
253-Oct 257 26	177-Oct 677	101-Sep 177 18	25-Aug 297 30	52-Aug 107 11	128-Jul 227 23	204-Jul 374
252	176	100	24	53	129	205
251	175	99	23	54	130	206
250	174	98	22	55	131	207
249-Oct 247 25	173-Oct 576	97-Sep 167 17	21-Aug 287 29	56-Aug 9710	132-Jul 217 22	208-Jul 273
248	172	96	20	57	133	209
247	171	95	19	58	134	210
246	170	94	18	59	135	211
245-Oct 237 24	169-Oct 475	93-Sep 157 16	17-Aug 277 28	60-Aug 879	136-Jul 207 21	212-Jul 172
244	168	92	16	61	137	213
243	167	91	15	62	138	214
242	166	90	14	63	139	215
241-Oct 227 23	165-Oct 374	89-Sep 147 15	13-Aug 267 27	64-Aug 778	140-Jul 197 20	216-Jul 307 31
240	164	88	12	65	141	217
239	163	87	11	66	142	218
238	162	86	10	67	143	219
237-Oct 217 22	161-Oct 273	85-Sep 137 14	9-Aug 257 26	68-Aug 677	144-Jul 187 19	220-Jun 297 30
236	160	84	8	69	145	221
235	159	83	7	70	146	222
234	158	82	6	71	147	223
233-Oct 207 21	157-Oct 172	81-Sep 127 13	5-Aug 247 25	72-Aug 576	148-Jul 177 18	224-Jun 287 29
232	156	80	4	73	149	225
231	155	79	3	74	150	226
230	154	78	2	75	151	227
229-Oct 197 20	153-Oct 307 31	77-Sep 117 12	1-Aug 237 24	76-Aug 475	152-Jul 167 17	228-Jun 277 28
228	152	76	1	77	153	229
227	151	75	2	78	154	230
226	150	74	3	79	155	231
225-Oct 187 19	149-Sep 297 30	73-Sep 107 11	4-Aug 227 23	80-Aug 374	156-Jul 157 16	232-Jun 267 27
224	148	72	5	81	157	233
223	147	71	6	82	158	234
222	146	70	7	83	159	235
221-Oct 177 18	145-Sep 287 29	69-Sep 9710	8-Aug 217 22	84-Aug 273	160-Jul 147 15	236-Jun 257 26
220	144	68	9	85	161	237
219	143	67	10	86	162	238
218	142	66	11	87	163	239
217-Oct 167 17	141-Sep 277 28	65-Sep 879	12-Aug 207 21	88-Aug 172	164-Jul 137 14	240-Jun 247 25

- 1 Thoth
- 2 Paophi
- 3 Athyr
- 4 Choiak
- 5 Tybi
- 6 Mechir
- 7 Phamenoth
- 8 Pharmuthi
- 9 Pachons
- 10 Payni
- 11 Epiphi
- 12 Mesori
- Macedonian
- 1 Xanthicus
- 2 Artemisius
- 3 Daesius
- 4 Panemus
- 5 Lous
- 6 Gorpiaeus
- 7 Hyperberetaeus
- 8 Dios
- 9 Apellaeus
- 10 Audynaenus
- 11 Peritius
- 12 Dystrus
- 13 Dioscorus

posite the example,

* This period covers the Sothic Cycle from 1322 B.C. to 139 A.D. Date of 1 Thoth is placed opposite the Julian leap year, at which time it occurs a day earlier, and continues for four years. For Example, February 25/26 is Egyptian new year day for years 744 to 748

Proper note

(1)

(2)

Stenciled

(From 1322 B.C. to 139 A.D.)

~~TABLE I~~
 (1 THOTH) Table
 EGYPTIAN NEW YEAR AND ITS JULIAN EQUIVALENT DATE
 (From 1322 B.C. to 139 A.D.)*

B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	A.D. 1 Thoth	A.D. 1 Thoth	A.D. 1 Thoth	A.D. 1 Thoth
292	216	140	64	13	89	165	241
291	215	139	63	14	90	166	242
290	214	138	62	15	91	167	243
289-Nov 4	213-Oct 16	137-Sep 27	61-Sep 8	16-Aug 20	92-Aug 1	168-Jul 13	244-Jun 23/24
288	212	136	60	17	93	169	245
287	211	135	59	18	94	170	246
286	210	134	58	19	95	171	247
285-Nov 5	209-Oct 15	133-Sep 26	57-Sep 7	20-Aug 19	96-Jul 31	172-Jul 12	248-Jun 22/23
284	208	132	56	21	97	173	249
283	207	131	55	22	98	174	250
282	206	130	54	23	99	175	
281-Nov 2	205-Oct 14	129-Sep 25	53-Sep 6	24-Aug 18	100-Jul 30	176-Jul 11	
280	204	128	52	25	101	177	
279	203	127	51	26	102	178	
278	202	126	50	27	103	179	
277-Nov 1	201-Oct 13	125-Sep 24	49-Sep 5	28-Aug 17	104-Jul 29	180-Jul 10	
276	200	124	48	29	105	181	
275	199	123	47	30	106	182	
274	198	122	46	31	107	183	
273-Oct 31	197-Oct 12	121-Sep 23	45-Sep 4	32-Aug 16	108-Jul 28	184-Jul 9	
272	196	120	44	33	109	185	
271	195	119	43	34	110	186	
270	194	118	42	35	111	187	
269-Oct 30	193-Oct 11	117-Sep 22	41-Sep 3	36-Aug 15	112-Jul 27	188-Jul 8	
268	192	116	40	37	113	189	
267	191	115	39	38	114	190	
266	190	114	38	39	115	191	
265-Oct 29	189-Oct 10	113-Sep 21	37-Sep 2	40-Aug 14	116-Jul 26	192-Jul 7	
264	188	112	36	41	117	193	
263	187	111	35	42	118	194	
262	186	110	34	43	119	195	
261-Oct 28	185-Oct 9	109-Sep 20	33-Sep 1	44-Aug 13	120-Jul 25	196-Jul 6	
260	184	108	32	45	121	197	
259	183	107	31	46	122	198	
258	182	106	30	47	123	199	
257-Oct 27	181-Oct 8	105-Sep 19	29-Aug 31	48-Aug 12	124-Jul 24	200-Jul 5	
256	180	104	28	49	125	201	
255	179	103	27	50	126	202	
254	178	102	26	51	127	203	
253-Oct 26	177-Oct 7	101-Sep 18	25-Aug 30	52-Aug 11	128-Jul 23	204-Jul 4	
252	176	100	24	53	129	205	
251	175	99	23	54	130	206	
250	174	98	22	55	131	207	
249-Oct 25	173-Oct 6	97-Sep 17	21-Aug 29	56-Aug 10	132-Jul 22	208-Jul 3	
248	172	96	20	57	133	209	
247	171	95	19	58	134	210	
246	170	94	18	59	135	211	
245-Oct 24	169-Oct 5	93-Sep 16	17-Aug 28	60-Aug 9	136-Jul 21	212-Jul 2	
244	168	92	16	61	137	213	
243	167	91	15	62	138	214	
242	166	90	14	63	139	215	
241-Oct 23	165-Oct 4	89-Sep 15	13-Aug 27	64-Aug 8	140-Jul 20	216-Jul 1	
240	164	88	12	65	141	217	
239	163	87	11	66	142	218	
238	162	86	10	67	143	219	
237-Oct 22	161-Oct 3	85-Sep 14	9-Aug 26	68-Aug 7	144-Jul 19	220-Jun 30	
236	160	84	8	69	145	221	
235	159	83	7	70	146	222	
234	158	82	6	71	147	223	
233-Oct 21	157-Oct 2	81-Sep 13	5-Aug 25	72-Aug 6	148-Jul 18	224-Jun 29	
232	156	80	4	73	149	225	
231	155	79	3	74	150	226	
230	154	78	2	75	151	227	
229-Oct 20	153-Oct 1	77-Sep 12	1-Aug 24	76-Aug 5	152-Jul 17	228-Jun 28	
228	152	76	1	77	153	229	
227	151	75	2	78	154	230	
226	150	74	3	79	155	231	
225-Oct 19	149-Sep 30	73-Sep 11	4-Aug 23	80-Aug 4	156-Jul 16	232-Jun 27	
224	148	72	5	81	157	233	
223	147	71	6	82	158	234	
222	146	70	7	83	159	235	
221-Oct 18	145-Sep 29	69-Sep 10	8-Aug 22	84-Aug 3	160-Jul 15	236-Jun 26	
220	144	68	9	85	161	237	
219	143	67	10	86	162	238	
218	142	66	11	87	163	239	
217-Oct 17	141-Sep 28	65-Sep 9	12-Aug 21	88-Aug 2	164-Jul 14	240-Jun 25	

*This period covers the Sothic Cycle from 1322 B.C. to 139 A.D. Date of 1 Thoth is placed opposite the Julian leap year, at which time it occurs a day earlier, and continues for four years

240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250

Rosetta Stone

Aug 1

Sep 1

End of Cycle

Jul 1

Censorinus

Egyptian New Year (1 Thoth) and its Julian Equivalent Date
 (Noon to Noon, Astronomical Time - From 1356 B.C. to 238 A.D.)*

TABLE I

1625

(1-b)

~~POSITION OF JULIAN LEAP YEAR AND RECESSON OF EGYPTIAN NEW YEAR (1 THOTH)~~
 (From 1356 B.C. to 238 A.D.)*

Equival B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth
1280	1204	1128	1052	976	900
1279	1203	1127	1051	975	899
1278	1202	1126	1050	974	898
1277-Jul 7/8	1201-Jun 18/19	1125-May 30/31	1049-May 11/12	973-Apr 22/23	897-Apr 3/4
1276	1200	1124	1048	972	896
1275	1199	1123	1047	971	895
1274	1198	1122	1046	970	894
1273-Jul 6/7	1197-Jun 17/18	1121-May 29/30	1045-May 10/11	969-Apr 21/22	893-Apr 2/3
1272	1196	1120	1044	968	892
1271	1195	1119	1043	967	891
1270	1194	1118	1042	966	890
1269-Jul 5/6	1193-Jun 16/17	1117-May 28/29	1041-May 9/10	965-Apr 20/21	889-Apr 1/2
1268	1192	1116	1040	964	888
1267	1191	1115	1039	963	887
1266	1190	1114	1038	962	886
1265-Jul 4/5	1189-Jun 15/16	1113-May 27/28	1037-May 8/9	961-Apr 19/20	885-Mar 31/A1
1264	1188	1112	1036	960	884
1263	1187	1111	1035	959	883
1262	1186	1110	1034	958	882
1261-Jul 3/4	1185-Jun 14/15	1109-May 26/27	1033-May 7/8	957-Apr 18/19	881-Mar 30/31
1260	1184	1108	1032	956	880
1259	1183	1107	1031	955	879
1258	1182	1106	1030	954	878
1257-Jul 2/3	1181-Jun 13/14	1105-May 25/26	1029-May 6/7	953-Apr 17/18	877-Mar 29/30
1256	1180	1104	1028	952	876
1255	1179	1103	1027	951	875
1254	1178	1102	1026	950	874
1253-Jul 1/2	1177-Jun 12/13	1101-May 24/25	1025-May 5/6	949-Apr 16/17	873-Mar 28/29
1252	1176	1100	1024	948	872
1251	1175	1099	1023	947	871
1250	1174	1098	1022	946	870
1249-Jun 30/J1	1173-Jun 11/12	1097-May 23/24	1021-May 4/5	945-Apr 15/16	869-Mar 27/28
1248	1172	1096	1020	944	868
1247	1171	1095	1019	943	867
1246	1170	1094	1018	942	866
1245-Jun 29/30	1169-Jun 10/11	1093-May 22/23	1017-May 3/4	941-Apr 14/15	865-Mar 26/27
1244	1168	1092	1016	940	864
1243	1167	1091	1015	939	863
1242	1166	1090	1014	938	862
1241-Jun 28/29	1165-Jun 9/10	1089-May 21/22	1013-May 2/3	937-Apr 13/14	861-Mar 25/26
1240	1164	1088	1012	936	860
1239	1163	1087	1011	935	859
1238	1162	1086	1010	934	858
1237-Jun 27/28	1161-Jun 8/9	1085-May 20/21	1009-May 1/2	933-Apr 12/13	857-Mar 24/25
1236	1160	1084	1008	932	856
1235	1159	1083	1007	931	855
1234	1158	1082	1006	930	854
1233-Jun 26/27	1157-Jun 7/8	1081-May 19/20	1005-Apr 30/M1	929-Apr 11/12	853-Mar 23/24
1232	1156	1080	1004	928	852
1231	1155	1079	1003	927	851
1230	1154	1078	1002	926	850
1229-Jun 25/26	1153-Jun 6/7	1077-May 18/19	1001-Apr 29/30	925-Apr 10/11	849-Mar 22/23
1228	1152	1076	1000	924	848
1227	1151	1075	999	923	847
1226	1150	1074	998	922	846
1225-Jun 24/25	1149-Jun 5/6	1073-May 17/18	997-Apr 28/29	921-Apr 9/10	845-Mar 21/22
1224	1148	1072	996	920	844
1223	1147	1071	995	919	843
1222	1146	1070	994	918	842
1221-Jun 23/24	1145-Jun 4/5	1069-May 16/17	993-Apr 27/28	917-Apr 8/9	841-Mar 20/21
1220	1144	1068	992	916	840
1219	1143	1067	991	915	839
1218	1142	1066	990	914	838
1217-Jun 22/23	1141-Jun 3/4	1065-May 15/16	989-Apr 26/27	913-Apr 7/8	837-Mar 19/20
1216	1140	1064	988	912	836
1215	1139	1063	987	911	835
1214	1138	1062	986	910	834
1213-Jun 21/22	1137-Jun 2/3	1061-May 14/15	985-Apr 25/26	909-Apr 6/7	833-Mar 18/19
1212	1136	1060	984	908	832
1211	1135	1059	983	907	831
1210	1134	1058	982	906	830
1209-Jun 20/21	1133-Jun 1/2	1057-May 13/14	981-Apr 24/25	905-Apr 5/6	829-Mar 17/18
1208	1132	1056	980	904	828
1207	1131	1055	979	903	827
1206	1130	1054	978	902	826
1205-Jun 19/20	1129-May 31/J1	1053-May 12/13	977-Apr 23/24	901-Apr 4/5	825-Mar 16/17

<u>Kings</u>	<u>Length of reign</u>	<u>Elapsed yrs. of Era</u>	<u>Begin</u>	
Nabonassar	14	0	Feb 27 747	Feb 27
Nadius	2	14	" 23 733	" 23
Chinget and Porus	5	16	" 22 731	" 23
Ilulæus	5	21	" 21 726	" 22
Mardokempad	12	26	" 20 721	" 21
Arkeanus	5	38	" 17 709	" 18
1st Interregnum	2	43	" 15 704	" 16
Bilibus	3	45	" 15 702	" 16
Aparamadius	6	48	" 14 699	" 15
Regebel	1	54	" 13 693	" 14
Mesesimordak	4	55	" 12 692	" 13
2nd Interregnum	8	59	" 11 688	" 12
Asaradin	12 ¹³	67	" 9 680	" 10
Saosduchin	20	88 ⁸⁰	" 8 667	" 7
Kiniladin	22	100	" 1 647	" 2
Mabopoltassar	21	122	Jan 27 625	Jan 28
Nabokatassar	43	143	" 21 604	" 22
Iluordam	2	186	" 11 561	" 12
Nerikasoltassar	14	188	" 10 559	" 11
Nabonadius	17	192	" 9 555	" 10
Persians				
Cyrus	9	209	" 5 538	" 6
Cambyses	8	218	" 3 529	" 4
Darius I	36	226	" 1 521	" 2
Xerxes	21	262	Dec 23 486	Dec 24
Artaxerxes I	41	283	" 17 465	" 18
Darius II	19	324	" 7 424	" 8
Artaxerxes II	46	343	" 2 405	" 3
Ochus	21	389	Nov 21 359	Nov 22
Aroqus	2	410	" 16 338	" 17
Darius	4	412	" 15 336	" 16
Greeks				
Alexandria	8	416	" 14 332	" 15
Philip Arridaeus	7	424	" 12 324	" 13
Alexander II	12	7	" 10 317	" 11
Ptolemy Lagus	20	19	" 7 305	" 8
P. Philadelphus	38	39	" 2 285	" 3
P. Evergetes I	25	77	Oct 24 247	Oct 25
P. Philopator	17	102	" 18 222	" 19
P. Epiphanes	24	119	" 13 205	" 14
P. Philometor	35	143	" 7 180	" 8
P. Evergetes II	29	178	Sept 29 146	Sept 30
P. Soter	36	207	" 21 117	" 22
P. Dionisius	29	243	" 12 81	Sept 13
Cleopatra	22	272	" 5 52	" 6
Romans				
Augustus	43	337	Aug 31 30	" 1
Tiberius	22	359	" 20 14 A.D.	Aug 21
Caligula	4	363	" 14 36	" 15
Claudius	14	373	" 13 40	" 14
Nero	14	391	" 11 54	" 11
Vespasian	10	401	" 6 68	" 7
Titus	3	404	" 4 78	" 5
Domitian	15	419	" 3 81	" 4
Nerva	1	420	Jul 30 96	July 31
Trajan	19	439	" " 97	" 31
Hadrian	21	460	" 25 116	" 26
Ælius Antoninus	23	483	" 20 137	" 21

Thoth. The reign of Nabonassar is reckoned as commencing from *Thoth 1st*, Feb. 26th, B. C. 747. This is the ERA of Nabonassar.

In the following translation of the Table (which is carried down to the time of Dioclesian), if the reader will recollect, that the last column, entitled "Julian equivalent," is no part of the Greek original, but the work of the translator (HENRY BROWNE, A. M., England,) he will be enabled to understand the nature of the Canon.

BABYLONIANS.			
Name.	Length of reign.	Yrs. of era elapsed at beginning of reign.	Julian equivalent.
Nabonassar	14	0	Feb. 26, 747 B.C. I
Nadius	2	14	23, 733
Chinzerand Porus	5	16	22, 731
Hulaeus	5	21	21, 726
Mardokempad	12	26	20, 721
Arkeanus	5	38	17, 709
1st Interregnum	2	43	15, 704
Bilibus	3	45	15, 702
Aparanadius	6	48	14, 699
Regebel	1	54	13, 693
Mesesimordak	4	55	12, 692
2d Interregnum	8	59	11, 688
Asaradin	12	67	9, 680
Saosduchin	20	88	6, 667
Kiniladin	22	100	1, 647
Nabopolassar	21	122	Jan 27, 625
Nabokalassar	43	143	21, 604
Iluordam	2	186	11, 561
Nerikasolassar	14	188	10, 559
Nabonadius	17	192	9, 555
PERSIANS.			
Cyrus	9	209	Jan. 5, 538
Cambyes	8	218	3, 530
Darius I.	36	226	1, 522
Xerxes	21	262	Dec. 23, 486
Artaxerxes I.	41	283	17, 465
Darius II.	19	324	7, 424
Artaxerxes II.	46	343	2, 405
Ochus	21	389	Nov. 21, 359
Arogus	2	410	16, 338
Darius III.	4	412	15, 336
GREEKS.			
Alexander	8	416	14, 332
Philip Aridaeus	7	424 (0)	12, 324 II
Alexander II.	12	7	10, 317
Ptolemy Lagus	20	19	7, 305
P. Philadelphus	28	39	2, 285
P. Euergetes I.	25	77	Oct. 24, 247
P. Philopator	17	102	18, 222
P. Epiphanes	24	119	13, 205
P. Philometor	35	143	7, 181
P. Euergetes II.	29	178	Sept. 29, 146
P. Soter	36	207	21, 117
P. Dyonisius	29	243	12, 81
Cleopatra	22	272	5, 52
ROMANS.			
Augustus	43	337	Aug. 29, 30
Tiberius	29	359	20, 14 A.D.
Caius	4	363	15, 36
Claudius	14	373	14, 40
Nero	14	391	10, 54
Vespasian	10	401	7, 68
Titus	3	404	5, 72
Domitian	15	419	4, 81
Nerva	1	420	July 31, 96
Trajan	19	439	31, 97
Hadrian	21	460	26, 116
Ælius Antoninus	23	483	21, 137
Marcus & Commodus.	32	515	15, 160
Severus	25	540	7, 192
Antoninus	4	544	1, 217
Aléxander	13	557	June 27, 221
Maximin	3	560	24, 234
Gordian	6	566	23, 237
Philip	6	572	22, 243
Decius	1	573	20, 249
Gallus	3	576	20, 250
Galienus	15	591	19, 253
Claudius	1	592	15, 268
Aurelian	6	598	15, 269
Probus	7	605	14, 275
Carus	2	607	13, 282
Dioclesian	20	627	13, 284

Ends June 9, 302

It will be seen, that the whole interval between Nabonassar and Dioclesian is marked by two eras.

THE CANON OF PTOLEMY,

THE EGYPTIAN ASTRONOMER.

This celebrated Chronological Table is found in the astronomical works of its author, in Greek. It is divided into four sections, furnishing a list of the names of the Babylonian, Persian, Greek (or Macedonian), and Roman monarchs. In the Greek text, which is before us, nothing is given, except the names, the length of the reign, and the number of years elapsed from the Era of Nabonassar, the first Babylonian king. Ptolemy reckons a year as 365 days, the hours and minutes; requisite to make up a true solar year, are disregarded, there being no intercalation to compensate for this loss. The reign of each king is computed from the first day of the Egyptian month

- 1 Thoth
- 2 Paophi
- 3 Athyr
- 4 Choiak
- 5 Tybi
- 6 Mechir
- 7 Phamenoth
- 8 Pharmuthi
- 9 Pachon
- 10 Payni
- 11 Epiphi
- 12 Messori

27-26 (Washburn pointed out an error in BC 521)

T.

TABLE
EGYPTIAN NEW YEAR (1 THOTH) AND ITS JULIAN EQUIVALENT D.
(NOON TO NOON, ASTRONOMICAL TIME -- FROM ~~4306~~ B.C. TO ~~240~~ A.D.)

(1460 years)

Sothic Cycle, began
1322 B.C., July 13/20

	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth	B.C. 1 Thoth
Hebrew	748 Feb 27/27	672 Feb 7/8	596 Jan 19/20	520 Mar 31/31	444 Mar 31/31	368 Mar 31/31
1 Nisan	747 Nabonassar	671	595	519	443	367
2 Iyar	746 Era	670	594	518	442	366
3 Sivan	745-Feb 25/26-27	669-Feb 6/7	593-Jan 18/19	517-Dec 30/31	441-Dec 11/12	365-Nov 22/23
4 Tammuz	744	668	592	516	440 Papyrus "F"	364
5 Ab	743	667	591	515	439 Papyrus "G"	363
6 Elul	742	666	590	514	438	362
7 Tisri	741-Feb 24/25	665-Feb 5/6	589-Jan 17/18	513-Dec 29/30	437-Dec 10/11	361-Nov 21/22
8 Hesvan	740	664	588	512	436	360
9 Kisleu	739	663	587	511	435	359
10 Tebeth	738	662	586	510	434	358
11 Shebat	737-Feb 23/24	661-Feb 4/5	585-Jan 16/17	509-Dec 28/29	433-Dec 9/10	357-Nov 20/21
12 Adar	736	660	584	508	432	356
13 Veadar	735	659	583	507	431	355
	734	658	582	506	430	354
	733-Feb 22/23	657-Feb 3/4	581-Jan 15/16	505-Dec 27/28	429-Dec 8/9	353-Nov 19/20
	732	656	580	504	428	352
	731	655	579	503	427	351
	730	654	578	502	426	350
	729-Feb 21/22	653-Feb 2/3	577-Jan 14/15	501-Dec 26/27	425-Dec 7/8	349-Nov 18/19
	728	652	576	500	424	348
	727	651	575	499	423	347
	726	650	574	498	422	346
	725-Feb 20/21	649-Feb 1/2	573-Jan 13/14	497-Dec 25/26	421-Dec 6/7	345-Nov 17/18
	724	648	572	496	420 Papyrus "H"	344
	723	647	571	495	419	343
	722	646 Feb	570	494	418	342
	721-Feb 19/20	645-Jan 31/1	569-Jan 12/13	493-Dec 24/25	417-Dec 5/6	341-Nov 16/17
	720 Eclipse	644	568	492	416 Papyrus "J"	340
	719 of Moon	643	567	491	415	339
	718 (Mar. 19)	642	566	490	414	338
	717-Feb 18/19	641-Jan 30/31	565-Jan 11/12	489-Dec 23/24	413-Dec 4/5	337-Nov 15/16
	716	640	564	488	412	336
	715	639	563	487	411	335
	714	638	562	486	410 Papyrus "K"	334
	713-Feb 17/18	637-Jan 29/30	561-Jan 10/11	485-Dec 22/23	409-Dec 3/4	333-Nov 14/15
	712	636	560	484	408	332
	711	635	559	483	407	331
	710	634	558	482	406	330
	709-Feb 16/17	633-Jan 28/29	557-Jan 9/10	481-Dec 21/22	405-Dec 2/3	329-Nov 13/14
	708	632	556	480	404	328
	707	631	555	479	403	327
	706	630	554	478	402	326
Aries	705-Feb 15/16	629-Jan 27/28	553-Jan 8/9	477-Dec 20/21	401-Dec 1/2	325-Nov 12/13
Taurus	704	628	552	476	400	324
Gemini	703	627	551	475	399	323
Cancer	702	626	550	474	398 Dec.	322
Leo	701-Feb 14/15	625-Jan 26/27	549-Jan 7/8	473-Dec 19/20	397-Nov 30-01	321-Nov 11/12
Virgo	700	624	548	472	396	320
Libra	699	623	547	471 Papyrus "A"	395	319
Scorpio	698	622	546	470	394	318
Sagittary	697-Feb 13/14	621-Jan 25/26	545-Jan 6/7	469-Dec 18/19	393-Nov 29/30	317-Nov 10/11
Capricorn	696	620 Eclipse	544	468	392	316
Aquarius	695	619 of Moon	543	467	391	315
Pisces	694	618 (Apr. 22)	542	466	390	314
	693-Feb 12/13	617-Jan 24/25	541-Jan 5/6	465-Dec 17/18	389-Nov 28/29	313-Nov 9/10
	692	616	540	464 Papyrus "B"	388	312
	691	615	539	463	387	311
	690	614	538	462	386	310
	689-Feb 11/12	613-Jan 23/24	537-Jan 4/5	461-Dec 16/17	385-Nov 27/28	309-Nov 8/9
	688	612	536	460 Papyrus "D"	384	308
	687	611	535	459	383	307
	686	610	534	458	382	306
	685-Feb 10/11	609-Jan 22/23	533-Jan 3/4	457-Dec 15/16	381-Nov 26/27	305-Nov 7/8
1 Thoth	684	608	532	456	380	304
2 Paophi	683	607	531	455	379	303
3 Athyr	682	606	530	454	378	302
4 Choiak	681-Feb 9/10	605-Jan 21/22	529-Jan 2/3	453-Dec 14/15	377-Nov 25/26	301-Nov 6/7
5 Tybi	680	604	528	452	376	300
6 Mechir	679	603	527	451 Papyrus	375	299
7 Phamenoth	678	602	526	450 Ungrad "30"	374	298
8 Pharmuthi	677-Feb 8/9	601-Jan 20/21	525-Jan 1/2	449-Dec 13/14	373-Nov 24/25	297-Nov 5/6
9 Pachon	676	600	524 Cambyse	448	372	296
10 Payni	675	599	523 Tablet	447 Papyrus "E"	371	295
11 Epiphi	674	598	522 Lunar Ecl.	446	370	294
12 Mesri	673-Feb 7/8	597-Jan 19/20	521- Jan 31/1	445-Dec 12/13	369-Nov 23/24	293-Nov 4/5

*Volume defective
see first two's register*

* This period covers the Sothic Cycle from 1322 B.C. to 139 A.D. Date of 1 Thoth is placed on Julian leap year, ~~it occurs a day earlier~~, and continues for four years. For February 26/28 is Egyptian new year day for years ~~749~~ to ~~746~~, inclusive.

at which time 749 to 746

281	21	189	9
277	21	185	8
273	30	181	7
269	29	177	6
265	28	173	5
261	27	169	4
257	26	165	3
253	25	161	2
249	24	157	1
245	23	153	30
241	22	149	29
237	21	145	28
233	20	141	27
229	19	137	26
225	18	133	25
221	17	129	24
217	16	125	23
213	15	121	22
209	14	117	21
205	13	113	20
201	12		
197	11		
193	Oct 10	109-106	Sept 19

105	18
101	17
97	16
93	15
89	14
85	13
81	12
77	11
73	10
69	9
65	8
61	7
57	6
53	5
49	4
45	3
41	2
37	1
33-30	Aug 31

29	20	52	10
25	28	56	9
21	28	60	8
17	27	64	7
13	26	68	6
9-6	25	72	5
5-2	24	76	4
180-300	23	80	3
4	22	84	2
8	20	88	1
12	20	92	Aug 31
16	19	96	30
20	18	100	29
24	18	104	28
28	16	108	27
32	16	112	26
36	15	116	25
40	15	120	24
44	13	124-127	23
48-51	12	128-131	22
		132-135	21
		136-139	July 20

Words
 of 521 error
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9	27	65	4	573	14	476	21	377	25
5	26	57	3	49	13	474	20	373	24
741	26	653	3	5	12	70	19	369	23
7	25	49	2	561	11	66	18	365	22
733	24	45	1	57	10	462	17	361	21
9	23	641	31	53	9	58	16	357	20
5	22	37	30	49	8	454	15	353	19
721	21	633	29	45	7	50	14	349	18
17	20	29	28	541	6	46	13	345	17
713	19	25	27	37	5	42	12	341	16
9	18	621	26	533	4	38	11	337	15
5	17	17	25	29	3	434	10	333	14
701	16	613	24	25	2	30	9	329	13
87	15	05	23	521	131	26	8	325	12
693	14	05	22	18	31	412	7	321	11
89	13	601	21	514	30	18	6	317	10
25	12	97	20	10	29	10	5	313	9
681	11	573	19	06	28	06	4	309	8
77	10	89	18	502	27	402	3	305	7
673	9	85	17	484	26	98	2	301	6
669	8	581	16	90	25	63	1	297	5
245	7	577	15	86	24	89	0	293	4
	6		14	482	23	85	29	289	3
	5		13		22	381	28	285	2
	4		12		21		27		
	3		11		20		26		
	2		10		19		25		
	1		9		18		24		
	0		8		17		23		
	0		7		16		22		
	0		6		15		21		
	0		5		14		20		
	0		4		13		19		
	0		3		12		18		
	0		2		11		17		
	0		1		10		16		
	0		0		9		15		
	0		0		8		14		
	0		0		7		13		
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Die
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Nov 26

Nov 2