

Epicurus' Birthday 2023 - (The Most Comprehensive Picture Yet!)

Post by “Eikadistes” of November 25, 2022 at 10:02 PM

I believe these calculations are accurate, if I've understood everything presented so far (which I definitely may **not** have, but the attempt at making a chart at least revealed some interesting patterns about the Attic calendar).

For one thing, I found that I was born on the 23rd day of final month of Skirophorion, Day 377 in the 3rd year of the 691st Olympiad. For another, I found that, while my Julian birthdate fell within the *final* month of Skirophorion, it often falls in the following Attic month of *Hekatombaion*, the *first* month of the ancient Greek year.

The same seems to be the case with Eikas, which falls from *mid-January* to *mid-February*.

A **sincere** curiosity I found is the following: of those years where *my* Julian birthdate (July 8th) begins the ancient Greek year (*Hekatombaion* 1), it turns out that Gamelion 20 corresponds with January 20th (or within one day of it).

Those Gamelion 20s that correspond with our January 20ths were marked red below to denote their coincidence.

Based on the shifting patterns of the Attic calendar, the 20th of Gamelion can come as early as Day 196 and as late as Day 228. Specifically, it falls on either Day 196, 197, 198, 199, or Day 226, 227, 228, depending on the year. (The years on the Attic calendar have varying lengths, some containing 355 days, some containing more than 380).

There is a cycle that occurs every 19 years where a set of dates *nearly* restarts. For example (from the bottom, *below*), *Gamelion 20 in 2065 falls on the same Julian date as Gamelion 20 in 2046*.

Gamelion 20 in 2064 falls on the same Julian date as Gamelion 20 in 2045.

Gamelion 20 in 2063 falls one day earlier than Gamelion 20 in 2044.

Gamelion 20 in 2062 falls on the same Julian date as Gamelion 20 in 2043.

Gamelion 20 in 2061 falls on the same Julian date as Gamelion 20 in 2042.

Gamelion 20 in 2060 falls one day earlier than Gamelion 20 in 2041.

Gamelion 20 in 2059 falls on the same Julian date as Gamelion 20 in 2040.

Gamelion 20 in 2058 falls on the same Julian date as Gamelion 20 in 2039.

<http://www.epicureanfriends.com/thread/2756-epicurus-birthday-2023-the-most-comprehensive-picture-yet/?postID=20814#post20814>

Gamelion 20 in 2057 falls on the same Julian date as Gamelion 20 in 2038.

Gamelion 20 next year (2023) falls on the same date as Gamelion 20 in 2004; and so on ... every 19 solar years.

The earliest 20th of Gamelion on the Julian calendar **JANUARY 14-15th** (approx.)

The latest 20th of Gamelion on the Julian calendar: **FEBRUARY 17-18th** (approx.)

I'm sure there are other patterns to be found as well. Regardless, I think I have come to the conclusion that I will look to January 20th to both celebrate the *monthly practice of Eikas* as well the *annual Birthday of Epicurus*.

My calculations may not be **completely** accurate (I did 80 years of my lifespan and then quit proof-reading).

OLYMPIAD YEAR 1		<i>Julian Date of HEKATOMBAION (Day 1 on the Attic Calendar)</i>	DAY # (of Gamelion 20)	<i>Julian Date of GAMELION 20 (Epicurus' ceremonial Birthday)</i>
109	3	JULY 11-12th 342 BCE	197	JANUARY 23-24th 341 BCE
...
117	2	JUNE 28-29th 311 BCE	228	FEBRUARY 10-11th 310 BCE
	3	JULY 17-18th 310 BCE	198	JANUARY 30-31st 309 BCE
	4	JULY 6-7th 309 BCE	227	FEBRUARY 17-18th 308 BCE
118	1	JULY 25-26th 308 BCE	197	FEBRUARY 6-7th 307 BCE
	2	JULY 14-15th 307 BCE	197	JANUARY 26-27th 306 BCE
	3	JULY 3-4th 306 BCE	227	FEBRUARY 14-15th 305 BCE
...
127	2	JULY 6-7th 271 BCE	227	FEBRUARY 17-18th 270 BCE
	3	JULY 25-26th 270 BCE	197	FEBRUARY 6-7th 269 BCE
...
691	1	JULY 18-19th 1985	197	JANUARY 30-31st 1986
	2	JULY 7-8th 1986	197	JANUARY 19-20th 1987
	3	JUNE 27-28th 1987	226	FEBRUARY 7-8th 1988
	4	JULY 14-15th 1988	198	JANUARY 27-28th 1989
692	1	JULY 3-4th 1989	199	JANUARY 17-18th 1990
	2	JUNE 23-24th 1990	227	FEBRUARY 4-5th 1991
	3	JULY 12-13th 1991	197	JANUARY 24-25th 1992
	4	JULY 1-2nd 1992	226	FEBRUARY 11-12th 1993

693	1	JULY 20-21st 1993	196	JANUARY 31-1st 1994
	2	JULY 9-10th 1994	197	JANUARY 21-2nd 1995
	3	JUNE 28-29th 1995	227	FEBRUARY 9-10th 1996
	4	JULY 16-17th 1996	197	JANUARY 28-29th 1997
694	1	JULY 5-6th 1997	198	JANUARY 18-19th 1998
	2	JUNE 24-25th 1998	228	FEBRUARY 6-7th 1999
	3	JULY 13-14th 1999	198	JANUARY 26-27th 2000
	4	JULY 2-3rd 2000	197	JANUARY 14-15th 2001
695	1	JUNE 22-23rd 2001	227	FEBRUARY 3-4th 2002
	2	JULY 11-12th 2002	196	JANUARY 22-23th 2003
	3	JUNE 30-1st 2003	226	FEBRUARY 10-11th 2004
	4	JULY 18-19th 2004	197	JANUARY 30-31st 2005
696	1	JULY 7-8th 2005	197	JANUARY 19-20th 2006
	2	JUNE 26-27th 2006	227	FEBRUARY 7-8th 2007
	3	JULY 15-16th 2007	198	JANUARY 28-29th 2008
	4	JULY 3-4th 2008	198	JANUARY 16-17th 2009
697	1	JUNE 23-24th 2009	227	FEBRUARY 4-5th 2010
	2	JULY 12-13th 2010	197	JANUARY 24-25th 2011
	3	JULY 2-3rd 2011	226	FEBRUARY 12-13th 2012
	4	JULY 19-20th 2012	197	JANUARY 31-1st 2013
698	1	JULY 9-10th 2013	197	JANUARY 21-22rd 2014
	2	JUNE 28-29th 2014	227	FEBRUARY 9-10th 2015
	3	JULY 16-17th 2015	198	JANUARY 29-30th 2016
	4	JULY 5-6th 2016	198	JANUARY 18-19th 2017
699	1	JULY 24-25th 2017	228	FEBRUARY 6-9th 2018
	2	JULY 13-14th 2018	198	JANUARY 26-27th 2019
	3	JULY 3-4th 2019	197	JANUARY 15-16th 2020
	4	JUNE 22-23rd 2020	226	FEBRUARY 2-3rd 2021
700	1	JULY 10-11th 2021	197	JANUARY 22-23rd 2022
HERE	2	JUNE 29-30th 2022	227	FEBRUARY 10-11th 2023
	3	JULY 18-19th 2023	198	JANUARY 31-1st 2024
	4	JULY 6-7th 2024	198	JANUARY 19-20th 2025
701	1	JUNE 26-27th 2025	227	FEBRUARY 7-8th 2026
	2	JULY 15-16th 2026	197	JANUARY 27-28th 2027
	3	JULY 4-5th 2027	197	JANUARY 16-17th 2028
	4	JUNE 23-24th 2028	226	FEBRUARY 3-4th 2029

702	1	JULY 12-13th 2029	196	JANUARY 23-24th 2030
	2	JULY 1-2nd 2030	226	FEBRUARY 11-12th 2031
	3	JULY 20-21st 2031	197	FEBRUARY 1-2nd 2032
	4	JULY 8-9th 2032	198	JANUARY 21-22nd 2033
703	1	JUNE 27-28th 2033	228	FEBRUARY 9-10th 2034
	2	JULY 16-17th 2034	198	JANUARY 29-30th 2035
	3	JULY 6-7th 2035	197	JANUARY 18-19th 2036
	4	JUNE 24-25th 2036	227	FEBRUARY 5-6th 2037
704	1	JULY 13-14th 2037	197	JANUARY 25-26th 2038
	2	JULY 3-4th 2028	196	JANUARY 14-15th 2039
	3	JUNE 22-23rd 2039	226	FEBRUARY 2-3rd 2040
	4	JULY 10-11th 2040	197	JANUARY 22-23th 2041
705	1	JUNE 29-30th 2041	227	FEBRUARY 10-11th 2042
	2	JULY 17-18th 2042	198	JANUARY 30-31st 2043
	3	JULY 7-8th 2043	198	JANUARY 20-21st 2044
	4	JUNE 26-27th 2044	227	FEBRUARY 7-8th 2045
706	1	JULY 15-16- 2045	197	JANUARY 27-28th 2046
	2	JULY 4-5th 2046	197	JANUARY 16-17th 2047
	3	JUNE 24-25th 2047	226	FEBRUARY 4-5th 2048
	4	JULY 11-12th 2048	197	JANUARY 23-24th 2049
707	1	JULY 1-2nd 2049	226	FEBRUARY 11-12th 2050
	2	JULY 19-20th 2050	198	FEBRUARY 1-2nd 2051
	3	JULY 8-9th 2051	198	JANUARY 21-22nd 2052
	4	JUNE 27-28th 2052	227	FEBRUARY 8-9th 2053
708	1	JULY 16-17th 2053	197	JANUARY 28-29th 2054
	2	JULY 6-7th 2054	196	JANUARY 17-18th 2055
	3	JUNE 25-26th 2055	226	FEBRUARY 5-6th 2056
	4	JULY 13-14th 2056	197	JANUARY 25-26th 2057
709	1	JULY 2-3rd 2057	197	JANUARY 14-15th 2058
	2	JUNE 21-22nd 2058	227	FEBRUARY 2-3rd 2059
	3	JULY 10-11th 2059	198	JANUARY 23-24th 2060
	4	JUNE 28-29th 2060	228	FEBRUARY 10-11th 2061
710	1	JULY 17-18th 2061	198	JANUARY 30-31st 2062
	2	JULY 7-8th 2062	197	JANUARY 19-20th 2063
	3	JUNE 27-28th 2063	226	FEBRUARY 7-8th 2064
	4	JULY 15-16th 2064	196	JANUARY 26-27th 2065

711	1	JULY 4-5th 2065	197	JANUARY 16-17th 2066
	2	JUNE 23-24th 2066	227	FEBRUARY 4-5th 2067
	3	JULY 12-13th 2067	197	JANUARY 24-25th 2068
	4	JUNE 30-1st 2068	227	FEBRUARY 11-12th 2069
712	1	JULY 19-20th 2069	198	FEBRUARY 1-2nd 2070
	2	JULY 8-9th 2070	198	JANUARY 21-22nd 2071
	3	JUNE 28-29th 2071	227	FEBRUARY 9-10th 2072
	4	JULY 16-17th 2072	197	JANUARY 28-29th 2073
713	1	JULY 6-7th 2073	196	JANUARY 17-18th 2074
	2	JUNE 25-26th 2074	226	FEBRUARY 5-6th 2075
	3	JULY 14-15th 2075	197	JANUARY 26-27th 2076
	4	JULY 2-3rd 2076	197	JANUARY 14-15th 2077
714	1	JUNE 21-22nd 2077	227	FEBRUARY 2-3th 2078
	2	JULY 10-11th 2078	198	JANUARY 23-24th 2079
	3	JUNE 29-30th 2079	227	FEBRUARY 10-11th 2080
	4	JULY 17-18th 2080	197	JANUARY 29-30th 2081
715	1	JULY 7-8th 2081	197	JANUARY 19-20th 2082
	2	JUNE 26-27th 2082	227	FEBRUARY 7-8th 2083
	3	JULY 15-16th 2083	197	JANUARY 27-28th 2084
	4	JULY 3-4th 2084	198	JANUARY 16-17th 2085

Based on Don's original source: <http://www.numachi.com/~ccount/hmepa/>

This was my resource to determine the date of Eikas: <https://www.timeanddate.com/date/dateadded...aw=&ad=197&rec=>

These measurements correspond with the following scholarship:

“He was born on the twentieth of the month of Gamelion (24 January 341)⁷⁴ [...] ⁷⁴The debate over the exact date of his birth was definitively resolved by Alpers 1968.” (Algra, *The Cambridge History of Hellenistic Philosophy* 43)

“Date of the birth of Epicurus, according to Apollodorus [...] that is, under the seventh archon from the archon of the year of the death of Plato, Theophilus. The tenth of Gamelion however, January 14, and the twentieth, **January 24**, are also assigned as the dates of birth.” (*Origines Kalendariae Hellenicæ; or, the history of the primitive calendar among the Greeks, before and after the legislation of Solon, Volume 2, 97; 1862*)