the state that the vest vest avelants with

Can the "ist of "radition "a "enetrated?

What Uxistel Ion & Defore the Present Jewish Calendar?

"Y Carth Variron

July 4, 1993

Contents

Α.	The Duration from Sabbath to Sabbath and Yeu Yoon to New Moon
В.	The Amazing Accuracy of Campliel's Figure Anticipating New Moons 2
C.	The Riddle of the Calendar's Origin Widden In Gamaliel's Figures 2
D.	The Two Beginnings of the Year, Cix Months Apart
23.	The Function of the Ninteen-Year Cycle
F.	The Age of the Present Calendar Laws Rehind Misan 16
G.	Jewish Tradition and the Calendar's Origin
Η.	Problems with the Bench Mark of the Calendar's Origin
I.	Problem with Automatically Assuming Ancient Use of Lunar Observation Alone 4
₹.	The Account of the Flood and Cargon's Calendar
ĸ.	Did Noah Single Out the Sablath Par?
L.	The Duration from the Flood to the Fxodus
٠.	Determining the Year of the Txodus
11.	Proof of a Sunset-to-Tunset Day
ο.	Week days of Events from the "xedus to "oses's 7th Day on Mount Cinet 8
F	Evidence of the Prediction of Yew Yoons (Yumbers 10:11,33)
ો.	Jewish Tradition and the Timing of the Peturning of the Tpies ?
₽.	Jewish Tradition and the Year of Yoses's Death
٦.	Jevish Arithmetic On Week Pays from the Exodus to Entry into Canaan 1
Ö.	Confusion Over Timing of the Tave Offering
I.	Land Sabbaths and Jubilces
٧.	If There Was a Vinteen-Year Cycle in Old Testament Times
\mathbb{W} .	Lost History Among First and Second Century A.D. Jewish Accounts 1
₹.	How Inaccuracy Accumulates In Aging Tradition

The Pible and the Calendar

The calendar now used worldwide follows the four seasons so accurately that in six thousand years, it would have imposed not quite two extra days. It totally ignores the course of the moon, however.

Much has been made of the ninteen wear cycle of the traditional Jewish calendar which enables it to conform to the four seasons. In six thousand years, if left uncorrected, the ninteen wear cycle would lag by 27 days, 13 hours, and about 40 minutes. But a ninteen wear cycle is to correct. And it also takes into account the course of the moon.

Little has been said about the armsing feature of the traditional Jewish calendar. The moon reaches confunction—its position between the earth and sun—at a present—day MX average of every 20 days, 12 hours, hh minutes, and 2.941 seconds. That average time is slowly lessening.

The Jewish calendar is based upon a figure which over-estimates by only .492 seconds per month, but nearly two thousand years ago, it did not over-estimate. It was under-estimating and becoming oracise. Over a six thousand year period, it represents the average time between lunar confunctions (conservatively estimating) at least four times more accurately than the world's calendar has followed the sun.

Here is a unique and well-locamented look into the calendar God's people would have used in Biblical times (if that can be known).

by Jarth Vardron

A. "From new moon to new moon, and from sabbath to sabbath, all flesh shall come to worship before me, says the Lord," (Isaiah (6:23). This commandment concerning a future are was letharmically practiced in ancient Israel. Business people of Amos's day had the attitude, "then will the new moon be over, that we may sell grain? And the sabbath, that we may offer wheat for sale . . ?" (Amos 8:5).

Josephus wrote of the time from ashlath moon to the next sabbath moon as being eight days (Antiquities 7:14:7). In the instructions concerning the wave offering, the seven-week period which both begins and ends on the day following the sabbath consists of fifty days (Lev. 03:15-16). In our way of thinking, Josephus identified a period of exactly seven days, and the instructions in Leviticus refer to forty-nine lays. The sabbath days are seven days from one to the next.

Hard to predict natural forces determine when the next new moon is to occur, but Jonathan predicted a new moon one day beforehand when talking with David (1 Sam. 20:18). After years of observations, the average time from one new moon to the next could be estimated with increasing accuracy. Pabbi Gamaliel of around A.D. 100 is credited with the earliest precise statement in Jewish literature of this average period of time. Fe identified the length of time as twenty-nine days, twelve and two thirds hours, and seventy-three parts. A part equals three and a third seconds. Fighteen parts make up one minute. (Encyclopaedia Judaica; Volume 5; Page 50).

Gamaliel's figures are amazingly accurate especially at the time he lived. A study of the chart in Herman Goldstine's book "ew and Full Moons (Philadelphia, American Philosophical Society; 1973) displays these conclusions.

- 1. The time between lunar conjunctions might occasionally be more than six hours above or below average. The average time from one to the next occurs about every seven new moons. Conjunctions are closest together during the middle of one seven-month period and farthest apart in the midst of the next. observations are also displayed in R. J. Bickerman's book Chronology of the Ancient World (Ithaca, N.Y.: Cornell University Press; 1967; Page 119+).
- 2. The total time of fourteen lunar conjunctions is quite close to the average, because the faster and slower periods balance out. In order to study to identify lunar conjunctions centuries before anything on Goldstine's chart, I found that new moons separated by eight hundred seventy-six Julian years and five days rarely vary in the time between them by more than four hours. If I read the chart for the year 567 R.C., I can min-point with an error of about two hours on either side the time of a lunar conjunction in 1443 B.C. plus of course the error already in Goldstine's figures.
- 3. The period from one new moon to the next has gradually been getting shorter when compared to the length of one day. Toldstine's chart covers the years from 1991 B.C. to A.D. 1651. Lunar conjunctions in around 124 B.C. occured on the average just over eight hundred seventy six Julian years and five days later than corresponding conjunctions of around 1000 R.C. The average difference in days gradually dips below five by A.D. 500. It is about an hour less than five days in the period around A.D. 753-1600. Dickerman's figures show an average figure of about 4.99 days for the years around 500 P.C.-A.D. 337. Before I knew of Goldstine's book, I had only Richerman's figures which cover 605 B.C.-A.D. 308. Not knowing any better, I extrapolated back 4.99 days in order to identify a conjunction in 1443 B.C. based upon a figure in 557 B.C. I checked my estimates with George Van Den Bergh's figures in his book Eclipses In the Second Millenium B.C. (Pages 58-59). We estimates for the 15th century B.C. averaged about forty-five minutes late. This is because I was under estimating the average length of time from one new moon to the next for the nine hundred years prior to the sixth century B.C. I lid not know that this average length of time was ever-so-gradually consisting of of about one less hour after each of the last reveral thousand years.
- 4. According to Camaliel's figure, estimated conjunctions (called molads) occur around eight hundred seventy-six Julian years and just 325 parts less than five days apart. That's about right XM between about 300 B.C. and A.D. 600.

B. The above observations lack preciseness, but they are a guide into finding out just how durable Gamaliel's figure is. A speeding up of nearly an hour per thousand years means that at the time given by the rabbis for the beginning point of their callendar, (3700 3.0.), the new moons took only about three hours longer per thousand years. The extra time per lunar cycle hardly amounted to one fourth of a part per month.

Gamaliel's figure normally estimates the conjunction late. In the fourth millenium B.C., I guess it would run somewhere between **zero** hours and a day late. In around **XX** A.D. 150, it was at its earliest average point between about twelve hours late to six hours early. The new moons until that time were running slower, allowing it to catch up. Since then, however, the gradually increasing speed of the new moons has past Camaliel's average. Today, Camiel's figure is only lagging another two or three hours behind about where it was in the time of maybe Joseph.

I have no idea how these precise figures were originally arrived at. 210 years of new-moon observations alone would barely allow for a figure accurate to within ten parts per lunar month. Junar confunctions 910 years apart would have to have an identifiable average figure accurate to within an hour and twelve minutes or 1296 parts.

The calculations for the traditional Jovish callendar are based upon Gamaliel's figure. The molad on Gentember 20 Julian, 370 T.C. is traditionally associated with Adam's creation. The traditional text of Genesis and later history buts Adam's creation a good 200 years earlier. Even this time from Adam's creation to the alleged origin of the callendar may not have been enough time to min-point the precise average time from new moon to new moon. The bench mark for the Jewish callendar, therefore, seems to have been arrived at later. The fact remains that Jonathon, Saul's son, was confident in predicting a new moon. After identifying the Biblical new year and beginning the day, only then can we see whether or not it was a standard practice to inticipate the new moon.

D. Only one holy day ever falls on the first day of a lunar month. That day is Trumpets day. It is called both Ma-Chanab meaning the Mead of the Year. It begins the month of Tishri. On the tenth of this month, the trumpet was to be blown announcing the jubilee (Lev. 05:0-10). This seems to be the Scrintural basis for beginning the land sabbaths in the month of Tishri even though Abib or Misan is the beginning of months (Mx. 10:0). For purposes of worship, Tishri is the seventh month, but the land sabbaths and the way that the callendar is worked out apply Trumpets day as the Mead of the Year.

The sunshine determines the length of the year in spite of the new moons. "You shall observe . . . the feast of XXX incathering at the turn of the year," God instructed Moses (Ex. 3h:22). The turn of the year is the equinox. The Jews have prevented the feast of incathering or Tabernacles from ending before the September equinox. They required Nisan 16 to fall after the spring equinox. This was part of the foundation of the present callendar. The seventh day of the feast of Tabernacles may have occasionally fallen before the equinox when the regulation was enforced in the third century A.P., but the slight drag in the 19-year-cycle soon corrected that.

E. The Bible does not specifically legislate the 19-year cycle, but it is an effective way of carrying out the instruction in Fx. 34:22 to keep the feast of Tabernacles at the turn of the year.

()

Every two or three years, the 13th month is added. Every ninteen years, the molad is only two hours, six minutes, and thirty-five seconds later than it was before. This was much ensier to discover than the precise time of the molad! After this was discovered, lear years (with the thirteenth month) could then be planned in advance.

Any ninteen-year cycle is for the nurbose of keeping lunar holy days in their required solar seasons. An efficiently planned ninteen-year scheme allows the new years to vary from year to year by no more than one lunar month. Unfortunately the drag XX every ninteen years takes its toll of one day every 215 years and several months. Various possible ninteen-year schemes are detailed by Edgar Frank on Pages 1/h - 1/47 of his book already mentioned.

The most recent 10 years began on Trumpets day of 1979. During any 19 years, the 13th month is added in years 3, 6, 8, 11, 14, 17, and 19. Leap years are always two or three years apart. It is important that the two pares of leap years separated by only two years be as far apart from one another as possible. Those two pares are years 6 and 9 and years 17 and 19.

Year 8 represents the time when leap years have been the most numerous, so that the period from Nisan of year 1 to flar of year 1 is the latest possible period within the 10 years. So the holy days in 1936 will be very late.

Year 16 is at the time when recent lear years have been the most scarce. The period from Nisan of year 16 to Mar of year 17 is the earliest within the 10 years. So the holy days in 100% are very early.

F. The age of the present callendar is written into the early holy days of year 16. In 1904, the molad marking "rumbots law is on Centember 6, Tuesday at 235 parts after 6 P.M. (2-7, hr, OF, 2350). The first day of the feast of Tabernacles is at the turn of the year on Centember 23. The 10-year system drags by a day per 216 years, so that when the present system was first adopted, the feast of Tabernacles in year 17 ended before the equinox.

In 1975, the seventh law of the feast of Tabernacles was only on the fourth day of autumn, and Misan 16 on March 23 was on the seventh day of spring. This means that the feast of Malernacles has always been at least partly in the fall only within the last thousand years. Misan 16 has been securely in the spring two or three centuries longer.

The contraverisal year 10 of around 200 P.C. ended up being an amazing safeguard. It means that the called har does not need to be corrected at a time when the authority to correct it might be hard to establish. The early year also XXXVX is a reminder that the system is about 1700 years old.

The present callendar is Chithful to Piblical instructions, but the Rible's instructions are XXXXXXXX very reneral. The Pible gives no clear indication as to how some of the details of the uncient callendar were worked out. By checking into the accuracy of Jewish traditions, some things are evident.

G. The ancient disagreements over the origin of the callendar reveal what they believed about the 19-year cycle.

A tradition quoted in the name of Mai Gaon (who died around A.D. 1933), Millel II introduced the sacred callendar in year MID of creation, which was year 670 of the Seleucid era, which began on Trumpets day of A.D. 353 (Encyclopaedia Judaica Volume 5, Page 47). The Seleucid era began in the autumn of 312 3.C. The era of creation assumed here began in the late summer of 3761 B.C. Frank refers to this method of counting from 3761 B.C. as A.m. 1. Its beginning is marked traditionally by the so-called "molad Tohu," nearly twelve months before creation. Only its last five days and fourteen hours were after the beginning of creation (Frank P 1944).

The commentary of Rabbi Avaivah (born about 1325) mentions three methods of counting. Counting from 3761 P.C. was only one method. All three used the same system of leap years. The second method counted from the alleged time of Adam's creation in 3760 B.C. Frank uses the abbrevation A.m. 2 for singling out this system. Then there is A.m. 3, counting from THYMMANY, 3750 B.C., 38% September 15. Tuesday, 22H, 376P. The A.m. 1 system is used today not just for counting years of the era of creation but also for counting the years of the 19-year cycle.

Today, the 13th month is added in years 3, 6, 8, 11, 14, 17, and 19 (A.m. 1). This is the same as years 2, 5, 7, 10, 13, 16, and 13 (A.m. 2). Two other sequences (Encyclopaedia Judaica V. 5, Page 47) 1, 4, 6, 9, 12, 15, 17, and 3, 5, 6, 11, 14, 16, 19 "are but variant styles of the self-same order." One is based upon A.m. 3 and the last A.m. h.

The above accounts of Jewish records give no lint that the Jews knew of any system of leap years different from the one they were using. Any suggestion that the system used at the time of Christ was 2, 5, 7, 10, 13, 16, 18 (A.m. 1) may be confusing NEW later A.m. 2 figures. For this reason, I am giving up on Talmudic tradition as a source when I trace the Biblical history itself. Only when there is fragmentary evidence in support of it can the Talmud help in reconstructing real history. The Talmud does become increasingly helpful from about the time of the exile but only in about the time of the Maccabees does it become a more or less necessary tool.

H. The two real problems with the 3700 P.C. "origin point" of the Jewish callendar are these: (1.) It is incorrectly associated with Adam's creation. Already I have indicated how difficult it would have been to precisely predict far in advance the molad even if 200 years had past from Alam's creation to the origin of the callendar. (2.) September 20 looks like a possible origin point especially because it is on the hour at 8 A.". But that is a Julian date. According to the present Gregorian callendar, that was August 27. The equinox would not have been until around September 24. It is as though this "bench mark" is based upon a 19-year system which was used much later, making that bench mark ficticious. The week day is a Friday, because this was allegedly the day Adam was created. Adam was created on a Trivay, but not in 3760 B.C.

I. Secular historians have prematurely assumed that new-moon observation was the standard proceedure in Julah before the exile. For lack of anything better, some use Parker and Dubberstein's Pabylonian Chronology to estimate dates in the books of Ezekiel, Haggai, Techariah, and Ezra. For example, the Jews who had returned from the exile finished building the temple on Adar 3, in year 6 of Darius I. According to the commonly used Pabylonian Chronology, this was March 12, XX Julian, 515 B.C. That, however, was a sabbath, and it is unlikely that the temple was finished on a sabbath.

Contradictory dates as to when Jeholachin was released from prison could easily be because one account gives a new-moon date (Jer. 50:31) while the other is based upon a Levitical callendar which anticipated the new moon that month by two days (2 Kings 25:27). The present Jewish callendar often anticipates the new moon but rarely trails it. Work could not have used lunar observation on the ark. Yet several exact dates are given in the account of the flood.

J. The flood occured long before Cod instructed Moses that Abib was to be the beginning of months. According to the Targues of Onchelos, the tenth month of Genesis 8:5 was the month of Targues as if Trumpets day began the first month.

The oldest callendars of "esonotania began the year in late summer or early autumn. Sargon of Agade, however, of the 26th century P.C. thereabout used what later became Nisan as the first month on a callendar with two new-year months similar to the later Biblical callendar. The first or seventh month near the beginning of autumn even was began by a festival. This was the festival of the goddess Bau. Sargon's callendar transposed onto the flood account in the year 2324 B.C. is as follows: (Uncyclopedia of Teligion and Ethics by Hastings; V. 3: ".



The times of lunar conjunctions given here are extrapolated from Goldstine's figures (in Baghdad time) for "av of 572-"av of 571 B.C. I estimate by rigidly computing back another 1752 Julian years, 10 days, and 2 hours. The new-moon dates in Parker and Dubberstein's <u>Robylonian Chronology</u> serve as a guide for estimating the probable first day of the observable lunar month. Certainty is especially hopeless when the new moon is a day or two after an afternoon conjunction, so I list the earliest possible day and insert a plus sign (+) indicating that it could easily occur the following day. The new moon would be normally visible the evening beginning the dates given.

Sargon's Callendar and the Account of the Flood							
Month number "Month of				Lunar conjunction		New moon	
1.	or	7.:	Gan-mas	Anr. 25.	9:21 A.M.	4-27, Wednesday	
			Gud-du-bil-sar-sar(Gen. 7:4,11)			5-27, Friday	
			God instructs 7 days before flood			5-5, Sunday	
			Rains begin on the 17th		(Gen. 7:11-12)	6-12, Sunday	
٦.	٥r	٥.	the god Bil-dar			6-25+, Saturday	
٠,٠	•	,	Summer solstice (July 12?)	· · · · · · · · · · · · · · · · · · ·	5.01	o syrig nooda mag	
			Rainfall ends after 40 days		• • •	7-22, Friday	
4.	or	10.:	Su-numun (sowing)		5:27 A.M.		
			Se-dim-ku		7:20 P.11.	3-24, Wednesday	
			the god Tur-zi (Tammuz)		, 8:21 A.M.	9-22. Thursday	
•	•		(lean year month)		10-10, 4D, 23H		
			AND AND STREET STREET	,	i z ca jegovena se je se jeko	, , , , ,	
7.	or	1.:	the Festival of the godless Thu	Oct. 19.	3:22 P.M.	10-22, Saturday	
			aters abate 150 days (Cen. S:4+)		s on the 17th	11-7. Monday	
٦.	or	_	•	"07. 19.	7:08 A.M.	11-20, Sunday	
Ω.	or	3.:	Mu-su-gab- Mes-en-du-se-a-na	Tec. 17.	5:50 P.M.	12-20, Tuesday	
			the Festival of Amar-a-a:			1-18, Wednesday	
			Mountain tons are seen on the lot-		(cen. 8:5)	,	
11.	or		Se-se-kin-a		า:1,ว า.พ.	2-16+, Thursday	
			ending 40 days Yosh sends a mayon	, ,	(Cen. 3:6-7)	2-26, Sunday	
			Woah sends a dove		(cen. 8:8-0)	3-5, Sunday	
		۵	gain he does after another 7 days		(Cen. 9:19-11)	3-12, Sunday	
10	Or.	_	the Pestival Ce-illa		. 1:30 A.M.	3-19, Saturday	
1 2 •	91		And again after another 7 lays		(Cen. 3:12)		
7	A 10	7.	•		12:50 P.M.	4-16+, Sunday	
⊥.	OI,	1 • •	Gan-mas			a-ror, ounary	
2		ο.	Noah opens the ark on the 1st.		(Gen. 8:13)	t 16 Manada	
₹•	or) .:	Gud-lu-bil-sar-sar		1:34 A.M.		
			On the 27th "only leaves the ark		(Cen. 3:14+)	6-11, Sunday	

K. Only XXX three of the eleven events involved with Noah's say in the ark occured on an unusual week day. Fight of the eleven events could easily have occured on the same week day. Five of those are associated with a seven-day neriod (Although Gen. 3:7-3 leaves some question).

The problem with the callentar shown above is that one more day at least is needed to allow for 150 days from the 17th of the second month to the 17th of the seventh (Gen. 7:24, $^{0.3-1}$). One nossibility is that Noah anticipated the new moons and marked each new month generally a day early. This would mean that the seven day periods of (Gen. 7:4,11, $^{0.5-12}$ actually single out sabbaths.

Some have alleged without facts that the seven-day week grew out of a gradual rounding off of one lunar month into four equal parts. "In certain Assyrian menologies the seventh, fourteenth, nonteen in twenty-first, and twenty-eighth day day of the month are designated as ill-fated days on which people had to abstain from certain actions," (The Hebrew Union College Annual Volume 17; 1942-1943; Cincinatti: Page 3). The ninteenth day is actually the forty-ninth day counting from the preceding month, so that seven seven-day periods, obviously independent of the moon, were singled out.

L. A summary of the evidence that the flood was in 2304 B.C. is as follows: 2324-2032 B.C.: It was 200 years (according to the Masoretic text) from the flood to Terah's 70th year (Cen. 11:10-20). Josephus confirmed this 292-year figure in Ant. 1:6:5. A later scribe alled 100 years to the ages of each patriarch in Josephus's text from Arrachshal to Cerug. The resulting figure of 392 years cannot be harmonized with Ant. 10:10:5 which identifies 949 years from the flood to the exodus. It was so much longer than the remaining 57 years from the 70th year of Terah to the exodus, that Josephus must have based his account from Genesis 11 on the Masoretic chronology. Maturally the rabbis did also.

2032-1972 B.C.: Another (1) years passed until Abraham's birth according to Stephen's discription of events (Acts 7:4). Therefore at the age of 205 (Gen. 11:32). After his father Terah died (Acts 7:4) according to Stephen, Abraham journeyed from Haran to Canaan when he was a son of 75 years (Gen. 12:4). This means that Abraham was born when his father Terah was 130 years old.

1972-1797 B.C.: Abraham lived 175 years (Cen. 25:7).

1797-1397 B.C.: Abraham's descendants were to be sojourners in a foreign land for 400 years (Cen. 15:13). They were to be oppressed, but Abraham was to live out his days in peace (15:13.15). This indicates that the 400-year period began with Abraham's death. It ended when his descendants were finally in a land which was theirs. This occure? when the inheritances were first being divided up west of the Jordan 46 years after the Trocks **** (Joshua 14:10). The exodus 46 years earlier was 354 years after Abraham's leath.

This establishes (from the Pible) the basic for saving that it was \$30 years from the circumcision covenant in Marahamia onti gram to the exodus (Ex. 12:40-41, Gal. 3:17). It was 7 years from the circumstable covenant to Abraham's death. It was another 35% years from his death to the erollus. 76+35% = 430. The book of Jubilees, written about 120 years before Christ confirms this menerally. It has discrepancies of a year or two in the key points throughout the account which are Mathematical oversight which are not signs of a contradictory conclusion as much as they are departures from general agreement with what I have pointed out here. M. A critical problem in lating the exolution in the fact that it occurred forty wears to the day prior to the wave offering when the manna ceased (Joshua 5:11-12). The Jewish Seder Olam Sutta (of the 3th contury A.D.) identifies this incorrectly as 41 years. For the chronology of the Calmul see Frank (Pages 11-13). The facts given in Exodus 7:7, Numbers 33:33-30, and Deuteronomy 1:3, and 34:7 rules out the claim that Aaron and Moses were considered another year older at the beginning of the autumn. They were evidently considered a year older on Abib 1. Aaron was a son of 33 years and Moses was 30 during the time of the first nine plagues (Fx. 7:7). Aaron was " and "oses "1 as of two weeks before the exodus (Ex. 12:2). Aaron died 39 years and he months later at the age of 123 years (Num. 33:33-39). Six months after Aaron's death, Moses gave the Deuteronomy (Deut. 1:3-4). Moses died a month or two later at the age of 120 (Deut. 34:7). According to the Seder Olam, they entered Canaan 33 days after Moses's death. That is only a trivial under-estimate of not even a week. Five days after they entered Canaan, the manna ceased on the day following the passover. So they must have entered Canaan in the 41st year counting inclusively from the year of the exodus.

Four days after they entered Canaan, they kent the passover on the 14th of Abib of course (Josh. 5:10). "On the morrow after the passover," they ate grain from the produce of the land (5:11-12). They had to wait until after the wave offering to eat from the land's new harvest, and this wave offering had to be on the day following a sabbath (Lev. 23:14-15). This means that they kept a sabbath passover four days after crossing the Jordan into Canaan.

The only sabbath passovers remotely allowable by Egyptian and Assyrian evidence which does not contradict the Pible are these: Lunar Abib 14, May 4, 1409 B.C., Lunar Abib 14, April 3, 1406, and Lunar Abib 13 (the 14th only by anticipation), April 27, 1403 B.C.

The 1409 date is not easily acceptable. The same system of counting years is probably used in 1 Kings 6:1 as is used in Deuteronomy 1:3, allowing only 439

William Litalia vision mater AVA Local VD

years and one month from the entry into Canaan to the building of the first temple. The Jewish Seder Olam Pabbah calls for MAD years. Even with this extra year, (placing the building of the temple incorrectly in CAO B.C.) the problem is this:

Ahab died 114 years (115 inclusively) after the foundations of the temple were laid. But 355 F.C. is almost ruled out, because Ahab sent troops to Carqar (or Karkara) to fight the Assyrians in 35% or 353 E.C. (Journal of Cuneiform Studies Volume 30/3, July -197°; "A Further "ote On the Date of the Battle of Carqar and Neo-Assyrian Chronology," by John A. Brinkman; Pages 173+). Discrepancies in the Assyrian evidence might make 355 "athematically possible; 356 would really b stretching it. The likelier meaning of 1 Mings 5:1 requires the 356 date remember.

If 1409 is too early, what about 14000 That would put the exodus in 1446. The University of Chicago studies in honor of George P. Muches identify this as the possible 7th year of Amenhoten II, and his father's very lengthy reign of 54 years would have encouraged Toses to remain in evile a very long time (Ex. 2:23). The details of Ex. 2:23 do not fit the videly accented chronology dating his father's reign from 1400-1436, evidently the rears too late.

Phoraoh Amenhotep (or Amenophis) II MMM was involved in military campaigns in his third, seventh, and ninth years of reim (Journal of the American Pesearch Center In Egypt Volume 6: 1967: "Amenophis II's Asianic Campaigns," CH. YHIZIN: Pages 119+). He coreigned with his father between Tovember of 1453 and March of 1450 B.C. His minor activity in XK his third year was ignored on some monuments, so that the campaign in his seventh was was identified on monuments at Karnak and Memohis as his first campaign.

Wis last campaign was in his mint' year (1115 Abb): B.C.). His armed forces were devistated soon after the explusively managing the Israelites in the Ped Cen. Campaigns in his seventh and minth years are more likely if the exodus was not until during his tenth year.

There are two Piblical problem with a 1917 P.C. exactus. (1.) Were again, over 490 years (probably one year too many) are required from the entry into Canaan to Solomon's first temple. (2.) You fatt would have to be correct in altering the text of XX 2 Kines 13:1) from identifying the 37th year of Joash of Judah to the 39th year. So in You fatt's Pible, all dates from Saul to Joash of Judah are two years earlier than called for in the Webrev text. Moffatt's alteration puts Jehu's revolution in 365 rather than 263 P.C. Wazael was already ruling at Damascus (2 Kings 9:14). Benchalad was killed by Mazael (2 Kings 8:7-15).

In any case, no ancient text of the Pible supports Moffatt's second guessing of 2 Kings 13:10. Without Moffatt's alteration, a XMM 1MM exodus is unworkable. Incorrect attempts to work it out have been made by dating Jehu's revolution in 341 B.C. Later events especially in Famaria rule tot date out. 843 B.C. is the latest really workable date for Jehu's revolution.

1403 B.C. remains as the only possible year, clearly pointed to by present evidence, as the likely year that the Israelites entered Canaan. The amazing problem here is that Abib 14 by lunar observation in 1603 was no earlier, than Sunday. Few are content with the prospect that the Israelites anticipated the new moon. This is the first detailed demonstration that the Israelites anticipated the new moon which has not relied upon questionable Jevish tradition. Aharoni and Avi-yonah in the MacMillan Rible Atlas list 243 B.C. as the year of Jehu's revolution, and they are only no more than six or twelve months early in estimating the years that Hiram and Solomon reigned. They game to their conclusion without considering the evidence of 1 Kings 6:1 and Joshua 5:10-12. Still, scholars such as these

A D

reasonably (for lack of evidence) figure that the evening lunar crecent began the lunar months in Israel. Here is the what the evidence more strongly indicates.

N. The Israelite day began at sunset. The Toraclites were told beforehand to put out all XX leaven for seven days, and to est unleavened bread from the evening of the 14th to the evening of the 13th of the first month (Fx. 12:19-19). They were told to kill their narrower larks "Atvaer the evenings" on the 14th (Fx. 12:6).

They did as they were told. (Ix. 10:00). Governal hours after they killed their passover lambs, they waited out the slaving of Egypt's first-born, and then the Pharaoh ordered them to leave. "So the meaning took their dough before it was leavened, their kneading bowls being hourd up in their mantles on their shoulders," (Ex. 12:34).

In Egypt, the natives observe a surrise-to-surrise day (Calendars of Incient Egypt by Richard Parker). Suppose the Israelites **** had been instructed (%x. 12:18-19) based upon a surrise-to-surrise day. This would mean that the days of unleavened bread had already begun. Their reason for not taking any leavened bread with them would be that they were doing as they had been commanded.

"They Warmbaked unleavened cares of the lough which they had brought out of Trypt, for it was not leavened, (not specifically area result of what they had been commanded but) because they were thrust out "Trypt and could not tarry, neither had they prepared for themselves any provisions," (Exodus 12:39). Evidently the command not to eat leavened bread was not yet applicable. It did not apply because the 14th day had not vet ended when they because their belongings. A dawn-to-dawn day would have meant that the seven lays of unleavened bread had already begun. They were cornected to be in and and the seven days of unleavened bread in the evening, because the law pornally because in the evening.

O. The events from the day of the explusion Abib 15 (Num. 33:3) to what the Pabbis all agree was the second salbath in Sivan (Meder Moel Chabbet MAR-978) when God startel instruction Massage of Mount Sinai (My. 24:16) is as follows:

From the Txodus to Moses's Geventh Day on Mount Sinai

Abib 15--Julian June 16, 1843 E.C.)

Events taking place — Computeral Myentian Malmul Malmud New — Reference

testimony lunar Minor Major Moon (Exodus)

Calendar opinion Observing

"olad: 4-6, 6D, 3M, 1070" The exodus (Num. 33:3) Abil 15 Apr. 20 Thurs. Friday Apr. 22 12:40-42 Wolad: 5-5, 7D, 16H, 7890 Entering the wilderness of Cin 7iv 15 "ar 10 Cabbath Sunday May 21+ 16:1 May Of Miv 00 Tyar 20 Tyar 21 Ziv 19+ 16:24-30 First Israelite weekly sabbath Molad: 6-4, 2D, 5H, 502P June + Sunday Monday June 6 19:1 Entry into wilderness of Sinai Sivan The commandments and testament Civan 7 Sivan 6 Covenant made Moses ascends mount "C"+1 24:4-15 24:16 God calls to Moses from the cloud"C"+7

Moses's seventh day on Yount Tinai, seven days after God gave the ten commandments, was probably a sabbath. The molads shown above are extrapolations back from Gamaliel's figure. This fit remarkably well into the circimstances.

Uncertainties remain. The rabbis ununimously insisted that the Israelites entered the wilderness of Sinai on Sivan 1, and that the ten commandments were thundered by God on a weekly sabbath. 1963 P.C. was not the year they had in mind. They may have inadvertantly right about the commandments being given on a sabbath, but their reasoning can be dispensed with here.

p. The Israelites could not have used Emportian lunar observation, because the moon was observed at surfise, and the Israelite day began at sunset. They did not necessarily begin their months by observing the lunar crecent. The evidence for this is found in Tumbers 10:11,33.

10 m

The tabernacle was first erected on Abib 1 just short of a year after the exodus (Ex. 40:17). The new moon marking this month was around Friday March 29, 1442 B.C. The turn of the year, which almost always occurred either in Abib or the previous lunar month, was on about April 3.

The next new moon ushered in a sabbath, April 27. The Jewish rhetoric in the Seder Olam and in the Malmul Malanith 20A hints that the turn of the year was during the added month that year, but I suspect not.

On the twentieth day of the second lunar month (Thursday May 16 by new-moon observation (numbers 10:11)), the Taraelites left the wilderness of Sinai. After three days (Numbers 10:33), they set un carn at the location where the disaster with the quails was about to take place. They must not have traveled on the sabbath, because it was a day of oblern assembly (Lev. 23:3).

Numbers 10:33 means one of two thinks. If the date was strictly determined by the new moon, then they stopped for the sabbath after the second travel day and found a place to set up camp after a further journey. The argument in "a'anith 29A assumes something different. It assumes that the third day of the journey was on the twenty-second, so that no sabbath figures into it. The Ta'anith's simple view of the scripture is possible (for a 1442 B.C. event) only if the Israelites anticipated rather than strictly watched for the new moon.

Q. The Jewish accounts only fit if this second month was marked either by the Friday morning molad or the confunction that following afternoon on May 24. According to the Ta'anith, the XXYXX Israelites immediately murmured against Moses after the arrival on Tyar 22. The month-long experience with the quails ended on Sivan 21. (Numbers 11:10).

Then it was off to a new location at Mazeroth (Numbers 11:35), a journey completed in only a day. Miniam's seven day experience with lenrousy (Num. 12:15) lasted from Sivan 22 to the 20th. The inarray to Paran was completed on the 20th (Num. 12:16).

The scouts were sent out on the 20th, and forty days later (Numbers 14:33-34), after the season of first rine granes (Numbers 13:20), they returned with their hume grape clusters (13:23) on the minth of Ab.

Summer began on aroun? July 5. "To carliest that the spies could have set out would have been fivan 60, and that is stretching it. That was June 23 or 24 by observation, but by anticipation it may have been earlier. Marvest conditions rule this out. They would have been a turning with have grape clusters only thirty days after the summer solution.

By not allowing enough travel time, and by assuming that the quail, leprousy, and spying events were immediately upon arrival, curely the Malanith has dated the returning of the spies too early. Assuming that Abib was the month of the barley harvest, the Gezer calendar (Prichard Para 200) identifies Ab as the month of summer fruit. The spies probably returned in Ab, but later that the ninth perhaps by as much as two weeks.

R. The disaster with the snies occurred at Talesh-harmon (Num. 14:30, Joshua 14:7). Trom the time they left there to the time that reneration's men of war had nerished, thirty-eight years (or two 12-year periods) passed (Deuteronomy 2:14). These 30 years were from about August of 1442 to about XX September of 1404, so that an identical situation with the leap years reoccured.

Moses died about thirty-seven days before the Israelites crossed the Jordan (Deut. 34:8 30 days, =Josh. 2:22 3 days, +Josh. 3:2 3 days, +Josh. 3:5 1 day). According to the Jewish Seder Olam, Moses died on Adar 7, 33 days before the entry into Canaan which as Joshua 4:10 affirms was Abib (or Nisan) 10.

The Seder Olam Rabbah points to Visan 10 of 2048 (Am. TII) as the day of the Jordan crossing (Frank Pages 11-12). Pall-to-fall reckoning was used. Yes, it was Am. III reckoning, (from September of 3750 P.C.), because it says that the second temple was destroyed in Am. 3008 which they originally knew full-well was in A.D. 70. (Frank Page 21). Pesides, Ta'anith 20A says that the first temple was destroyed on Sunlay Ab 0, the year following a land sabbath, which following new-moon observation precisely describes August 1.D. 70. The Seder Olam Rabbah dated the entry into Canaan as Nisan 10 of 1271 B.C.

100

S. The rabbis worked out their estimated times of the equinoxes and solstices (called Tekufoth) assuming that the Julian calendar accurately marked the seasons. According to the Seder Olam Palla (Section 11), "isan began on the day of the Tekufah in the year of the entry into General (Seasons). A correct calculation must have been made. In the year Olam (A.m. III), Wisan's modad was on "arch 25, a Friday, 253 parts before noon. The Tekufah was the following midnight on the sabbath.

The Arithmetic of Jevish tradition related to the month of the exodus paid attention to the Tekufah but not to the notation in the years which they insisted the exodus took place. Some elitions of the Ged of Nam identify Friday as Abib or Nisan 1, the same week day as the day of the exodus. The Mekufah was at midnight early on Friday, while the molad was earlier by 3 days, 4 hours, and 743 parts. Other editions identify Higgs 1 as a Mursday, because they numbered year 2448 by A.m. II rather than A.m. III reckning. In that year, the Mekufah was at sunset marking the beginning of Mursday, but the molad was the following sabbath 544 parts before noon. (Trank Fages 51-53).

The situation for 1443 R.C. is the opposite. The molads work out remarkably well. The inaccurate Tekufoth fortunately do not work out. Once the Jews had concluded that God gave the commandments on a sabbath (Sivan 5 or 7), naturally putting Nisan 1 on a Thursday or Friday, a rabbi was bound to write that the Tekufah was on Nisan 1 the year of the exodus (Frank Page 52). He identified Nisan 1 as a Thursday by confusing the molad of 2448 A.m. III in with the Tekufah of 2448 A.m. II.

The country was to begin on the law following a sabbath. The Jews did that.
They counted from the day following the first annual sabbath. They counted so the Centuagint is not literally translating the Hebrew and the Seven weeks as the Centuagint to the Centuagint, seven of these sevens or weeks were to be counted from the time of the wave offering, fifty days (Leviticus 23:15). The counting was to begin on the law following a sabbath. The Jews did that. They counted from the day following the first annual sabbath. They counted seven weeks as the Centuagint says, but the Centuagint is not literally translating the Hebrew. The Hebrew says seven sabbaths not seven sevens. Twidently, it was a common practice at the time the Centuagint was being translated to have the wave offering on a lay other than Cunlay.

Originally, it must have been on a Cumlay. Until that day, they were not to eat of the harvest of the land. Four days after entering into Canaan, the Taraelites kent the passover on Abib 15, and on the morrow, they ate of the land's harvest on what must have been the Cumlar of the wave offering. The instructions in Leviticus 23:10-15 do not emphatically state that the wave offering must be during the days of unleavened land. If he fore crossing the Jordan in 1903 B.C., the new moon began the month of Abib, then they kent the passover as Abib 15 began after the sabbath hal just enter. Then, laring Cunday's morning hours, the wave offering initiated the harvest.

The contradiction involving Jehoin dim's being released from prison is a warm's not to assume dating strictly by new moor observation. David's friend, Jonathon, knew beforehand that the new moon was about to be XEXCHAINAXX selebrated. Assuming that the wave offering was buring the laws of unleavened bread, Abib's new moon before the Jordan crossing (if in 1903 P.C.) began Abib 2 not Abib 1.

U. Now that they were coming into the land, they were to number the years and keep the land sabbaths every seven years in groups of fifty (Lev. 25:3-4,9-11). The Trumpet signaling the fiftieth year was blown on /tonement day, possibly because the harvest years were reckonel from that month. The Cezer calendar runs from that time of year.

Conceivably they waited until 1307 B.C. when the first lots were cast for west-bank inheritances (Joshua 13+. In either case, I can show circumstantial evidence that Trumpets day of 1301 B.C. began a land sabbath. It's just a question as to whether that was the first or the second land sabbath kept by the Israelites.

دلأه للتعديد لدفيا فالمينا فينده المأجدي درويس

The Talmud ("egillah 145" listlays the year in which Levitibus 25:2 was interpreted. Rashi taught that the 1st less cented when the Israelites east of the Jordan were taken canting, less set to be kent only when all the Israelites were in the last 'for the note on the passage in the Concino edition." The fact is that it teaches that Jordan harmonic them back, so that in that year (when Jeholachin was being led into eqile), then cormenced counting again for the jubilee."

The year being liscussed one TOO -707 N.C. Comething about this year left behing first echo in Jewish tradition and annualation. Long before the book of Jubilees was written in about 130 n.C., the distinct year was no longer counted. To this day, every seven years is still counted. Trumpets dday of 1979 began a sabbatical year.

When multiples of seven poars are counted back, 59%-597 B.C. is included. There is good reason to include it. Excised according to a tradition was taken captive on Chisley 2 (about December 19), 59% B.C.

If Exodus 23:16 and 34:22 is any indication, Chislev 3 should have been a month earlier. The Babylonians began besigging Jerusalem and took Ezekiel as a captive just as Jehoiachin was beginning his three month reign (2 Kings 24:3,10). The three month reign lasted from Chislev 3 to Adar 2. Chaldean Chronicle V identifies Adar 2 (March 15) as the day Jehoiachin was taken captive and Zedekiah was installed in his place.

Out of a determination to identify the traditional Chislev 3 as around November 19 instead of in late December, could Frekiel have been taken captive one month before Jeholachin becan to reign? Not necessarily.

Later Jewish remulations forbade intercalating the sabbatical year and the year after it, and recommended intercalating the year before the sabbatical year (Tosef., Sanhelrin 2:0, Uncyclopaedia Judnica V. 5, Dage 50; Anchor Pible, Dooks of Maccabees Page 276). A 13th month should have been added in the spring of 597 B.C. But if that year was a sabbath or imbilee, an early edition of the thirteenth month would have made Chisley 3 a month later than normal.

The Megillah 14B says that counting continual after this time. Jubilees would not have been counted, however, only every seventh year. This would include the year 423-422 B.C.

When the Seder Olam Pabbah and Maianith Old are compared, it is evident that Trumpets day of 403 began a land cabbath. According to the Seder Olam Pabbah, the first temple was lestroyed in 3333 (A.m. III). That was in Ab of 401 B.C. by its reckoning. Maianith Old says the temple was burned on Manday Ab 9, in a year following a land sabbath. I think that the Maianith is taking details related to the destruction of the second temple and stating that this is what happened to the first temple. Mat is no problem. After all, the Meder Olam says that the second destruction book place 400 years after the first destruction. So, if one destruction followed a land sabbath, so did the other. We one questions the fact that A.M. 10-10, one year before the second destruction was a land sabbath, so the second temple was destroyed the year following a land sabbath. So the years 3007 (A.M. III) were both sabbatical years.

Evidence of the practice not to all a thirteenth month in a land sabbath centers around the Maccabean revolt of XXX 167-165 D.C. (Anchor Bible, books of Maccabees Pages 274-276). In my explanation, I am ironing out some discrepancies in the Anchor commentary.

The Jewish religious authorities were forced into giving up their official status late in 167 B.C. No official thirteenth but was declared as it should have been in KNW 166 B.C. The Jews now followed a calendar which was defective. In 16h B.C., Trumpets day on this defective calendar occured in late August. September 21 would have been its scheduled time, but a sabbatical year was beginning. Strangely however, ? "accabees in telling of this period contains an instruction to keep the feast of Tabernacles in the month of Chisley. It refers to it from a letter 21 years later. This perhaps unrelated example illustrates the practice of holding a delayed Feast when necessary.

The calendar was two months lefective. By keeping the feast of Tabernacles in the minth month on the defective calendar, the correction was being made. The feast of Tabernacles was kent in early Yove for one month later than might be expected. Why one month later? It was a sabbatical year. If the feast had been kept beginning around October 3, an extra month would be required, and traditions forbade a 13-month land sabbath.

A seven year pattern seems to do back as far as to Trumpets day of 598 B.C. Furthermore, 1293 or 1291 B.C. was the first Israelite land sabbath according to Leviticus 25:2. They must have followed a fifty-year sabbath and jubilee system until Jerusalem's destruction in 537 B.C. The last jubilee begin on Trumpets day either in 605 or 500 B.C. I suspect it was 605, since they did come into the land in 1403 and could have kept a sabbatical in 1298-1297.

The regulation against a 13-month sabbatical had the affect of delaying the sabbatical by a month. It may have been done for commercial reasons. The recommendation not to intercalate the year following the land sabbath as well might have come much later.

V. Whatever motivated the regulation, it caused some late feasts of Tabernacles. It could interfere with attempts to identify whether the Jews or Israelites used an identifiable 19-year cycle.

The period from the death of Jeroboam II to 'fenshem's reign indicates that surprisingly, the year beginning on Trumpets day of 747 had only twelve months. Jeroboam II died in Elul of 747 shortly before the 28th year of Uzziah of Judah was to end (2 Kings 15:9). Trumpet, day was October 16.

Jeroboam's son, Secharia, reigned six months til Adar of 766 when Challum killed him and reigned (2 Minus 15:0-10). Challum only reigned one month (2 Kings 15:13).

Menahem killed Shallum, but not before this 1. This was in Azariah's thirty-ninth year, and Menahem reigned for years (2 Kings 15:17). Menahem was everthrown, but not until after Azariah's distinct year had begun on Trumpets day of 735. MANA Menahem numbered his years on the throne by the number of spring new-years which passed while he reigned. If he had begun to reign before Abib 1 of 746, he would have reigned eleven official years.

So in order for events to occur as they did, even one extra month would make any literal meaning of the text impossible. The year beginning on Trumpets lay of 747 must not have been a leap year.

Taken literally, Josephus's Antiquities 10:3:1 does not allow for a leap year between the autumns of 530 and 537 B.C. The Pabulonians besieged Jerusalem on the tenth day of the tenth north of Tolkich's ninth year of reign (2 Kings 25:1). This was in January of \$92.532 B.C. A breach was made in the starving city's wall on Tamuar 2 of Telekish's eleventh year (Jer. 50:1-7). Josephus says that the siege lasted MAXXX eighteen reaths until Tamuar 2. It lasted until near the end of June of 537 B.C. And 12th mouth buring this time would make this a period of ninteen menths. The Dakedonian calendar displayed by Parker and Dubberstine contains nonteen weaths between these two lates, with Tamuar 2 on July 29.

Some have har posized the Malad Maladith 004 with the Pabylonian dates, because the Maladith says that the temple was burned on Cunday Ab 9. Sure enough, on the Pabylonian calendar (by new-moon electroation), this was Sunday August 27.

Maybe the temple was burned the first time on a funday, Sunday July 30, the tenth of Ab (Jer. 50:12). Josephus, who was writing only a few years later, said that both the first and second temples were Jestroyed on the tenth of Ab (Mars 6:4:5).

The problem is that althorn Jonata's 52:12 and 2 Kings 25:8 are so similarly world, according to Kings, the contain entered the city on Ab 7 while MK the book of Jeremiah dates this on the tenth. The Ta'anith makes an unsatisfactory attempt to resulve the contradiction. It's not worth explaining how it is that every attempt I know of to resulve the discrepancy is evidently patch work.

 \mathbb{P}

The problem with each of the two eversies just presented is this. (1.)
There may have been a land salistic formatively a jubilee) in 749-717 B.C. The
Jewish regulation emposed addition a with to the treat following the salibation
as well as to the salibation itself. I had to that the very after the salibation
was tampered with for a long time, and it was well have been that a simpler
regulation concerned only with the salistical year was enforced for a time.
This would mean that there should have been an added month ending the winter of
747 B.C. The Jews, (unlike the Israelites) EMBN imposed the thirteenth month in
749, assuming a Jubilee was not involved. (2.) Josephus really cannot stand
alone as a reliable source concerning anything prior to about 200 B.C. "Eighteen

THE PERSON OF TH

If and only if God's meonle usel an ancient minteen-year cycle, then these two examples show how Exolus 23:16 and Merch would have been enforced. The oldest methol of counting usel by rabbinic uniters is what Trank called the A.m. ITT system. On it, the late summer new year in 370 3.0. would begin year zero.

months" may be an approximation.

1 3

The years of the 10-year lean-year system must be numbered with a new year zero every ninteen years. Years zero include! Trumpets days of 1hh2 B.C. (Numbers 15:1 there about), 597 B.C. (Naekial 33:01), and h73 B.C. (six months into events of Esther 3:7).

The Jewish tradition, before confusion set in, only counted from a rolad which was on the hour. There is no reason why the general time was not something ancient and the exact (very precise) rolad something which was worked out later. The ninteen-year cycle (if usel) in ancient Julah would have been zero, two, five, eight, ten, thirteen, sisteen (*.m. III). Lord subbaths became an exception.

This would make year sers important, because its new year would have occured earlier among the seasons than any of the other of teen VEXTY new years. Year eleven would have been the latest year for the feast of Mahernacles. Years eleven included 747-746 m.f. Its molal was at XXXXXXXXXX 10-15, 40, 50, 6010. If the system went uncorrected until Minist's time, then Mrummets day of A.D. 33 would have been no earlier than fetcler 10, a good sixteen laws after the turn of the year. The drag in the 10 mean epole required correction.

The system might have faller apart for two reasons. (1.) The ninteen-year

The system might have fallon apart for two reasons. (1.) The ninteen-year cycle ran late by one lay every 216 years. (2.) Forcing an extra month before a land sabbath made holy days beginning with pascover of the sixth of the seven-year sabbatical cycle very late on occasion.

W It could have lasted beyond the time of Tarm and still been lost to history. Discrepancies of a good 220 years in Jewish sees note of the time from the return of the exiles to A.T. 70 framatically illictrated how week history they had lost.

Josephus dates the return of the exiler as 505 B.C. (Ant. 13:11:1) 481 years before the death of John Myrcanus. We lates the return of the exiles as around 570 B.C. (Wars 6:1:1) by saysing that work on the second temple begain 639 years and 45 days before its lestruction in 1.5. 70.

Rabbi Jose MENX Ben Balafta addited the Galos Clam Pabba. We died in around A.D. 160 only about sixty-five years after the 195a of Josephus. According to his chronology, work on the second tomble was often 120 years before its destruction. So he lates the end of the Dabylonian cantility as about 751 D.C.

X. We can know just how rapilly braditions long their original form by seeing how the Seder Clam from its original has been altered. The original A.m. III counting was replaced by A.m. II counting, so that the destruction of the second temple was now being dated in 3322 A.m. III instead of 3323 A.m. III. The ninteen year cycle was often numbered by A.m. III dating.

That was the tip of the iceberg of confusion. A.m. I dating became popular, so that all history was counted from 3761 P.C., but too often, they did not correct the historical dates. Arthur injer, in his book Comprehensive Yebrew Calendar (Page 425), displays A.m. II MEXECULAR tradition dates but assumes A.m. I reckoning. So he says that tradition dates Jerusalem's destruction as A.D. 69 not A.D. 70. So even Jevish tradition since Jerusalem's fall is seen through a glass darkly. In this study I he avoided confusing faith in God's Word with faith in Jewish tradition. The all make this study especially useful.