Translation (Photostat) From Q herhandt " Messias' Star hippig 1922.

p. 139-140 Summary

. .

(on the Date of the consistion)

(OG =10 Summary of the Certain Results. " The concipizion of Jesus took place under Pontins Pilate, who was procurator in Syria from 26 to 36 AD, on a Passafeast. 2 According to the sources: hule, John, Paul - stone of Delphi, Velleins Patercullus, Dio Carries and Josephus (none beet) only the years 29-32 come into Consideration. / 3/ In order to find the right year & date of the within this period month, we must not proceed from the full moon, but rather from the new recommend the new light. I The moon as the shaper (former) basis for the Jewish months the law fixing the Passever meal to the evening of the 14 nison and the gospel which names Anday as the day of the crueifing

are reliable leases to solve 05." for solving the problem by way of astronomy. 5 a) In the year to be determined the 14 hisan must fall on a Thursday, the 15 on a Friday; the latter was the day of the death. 6/ Differing from this some interpret the report in John's gospel that the crucifixion took place on Friday, 14. hisan; according to this the synoptic report should 6. The first day of the Jewish month was determined by be corrected. the new light. We do not have an absolutely certain way to determine this phase of the moon in each (every) single case. Here and there a fluctuation (variation) an uncertainty remains but at the most one day. 11 (it covers)

The reconstruction of the Jewish (05: 13 calendar is dependent on (restricted by) fixed rules: The dates of the new moons, the duration of the course of the moon (29 days, 12 hrs, 44 min.), the length of the month (30 or 29 days) the length of the year (the maximum (most) 356 days). Thus the fluctuation or variation connected with due to fixing the new light is being 20 compensated that it cannot amount to more than one day. (at the most it can amount to one day). 7. The fact that in this way a double date is possible for the beginning of the month, fortunately does not is no bindrance in rolving the problem. all possibilities, the astronomical basis of the calculation furnishes the proof for the interpretation (version) of the Rickical reports we admit (recognized by the Center for Adventist Research

the 15 Viran coincided with April 7. 30 - perhaps also with April 27, 31. // 6/ Whoever holds Friday, the 14. hisan to be the correct day - a disputed (contestable) view - has but the one date: April 7.30 according to the (astronomical elements (midiments,) onles principles of the calendar.) The more important astronomical points according to the synoptic report lare for April 7,30). 9. The date : 15 Nisan = Apr 27.31 Completely lacks historical support and inasmuch as it rests on the most weak imaginary astronomical assumption, it has nærely calculating value, see p. 132. //

10 The trafional dates of the (05:14 old church with one exception are miterable because they do not name one a day of the Passahfeast nor one Friday either. The only date which has come down in history and from oldest times at that according to careful investigation, and which simultaneously refers to a Friday in the Passoverfeast, is April 7.30. 11 The schism (disunion contradiction) between Friday the 15 and Friday the 14 nisan is removed by the two possibilities in the new light and the beginning of the month. It is therefore proved lartimomically as well as by history that the day of holgatha was Anday, April 7, 30,

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Translation from Photostat O. herhardt, " Messias' Star" Leipzig, 1922 pp. 129 - 131 On the date of the crucificion)

Therefore the year 29 is nat what we are looking for. // The year 30: On Febr. 21, carly 4:25 in the morning was new moon in Jerusalem; on the next evening the young moon was 26 hours at sundown Old and was visible. Therefore, Febr. 23 = 1. Adar; as from 1. Schebat it was the 30th or 3/st day. The next new moon was on March 22, 8:21 in the evening," on the next evening ( March 23 = 29, Adar) sunset was at 6:15. Fotberingham in his paper on the date of the encificien proceeded from his table on the height of the at 5° Azimuth difference, moon beight is 11.90 11 10° " " " " " " " " " " " " " in order to see sight the moon. But since on. March 23, the Aginuth. difference was 5,4 and the height of the moon 9,3, therefore on that eveninght, in Fotheringham's opinion the new light could not be seen. Consequently

Clark 2 he places " 14 " = April 7, Friday, . stating that "the synoptic date of the empirion must be abandoned " that the one of the gospel according to John fares better and that thus the date of Friday, April 7, "is now astronomy " His decision about the invisibility of the new light on the eve of march 23 can be right, yet it is not compelling The bacis thought of his theory of the reciprocal relationship between height of the moon and Agunuthdifference is right of course but that his table was not defendable reliable, (certain?) is shown above on p. 121. Besides, it was not known to Fothering have that the result of sighting. the new light in the evening hour under certain conditions was that the closing bay the Center for Adventist Research yet be

Ofer 3 sanctified as the first day of . the month; see next page. 11 Conditions in the transparent air above the mediterranean the new light on march 23 - 22 hours after the conjunction - could very well be seen. That was the conviction of Wurm, Richter, Houtheim and the Holland astronomer, Oudiman Thote 1, p. 129: This note according to Jos Bach, p. 45-47. I remind of the fact, that in Aleppo and environments an interval from new moon to new light of 20 hours, in Babylon of 18,8 and 19 hours has often be found (established) Of the same opinion is nengetailer with whom I have repeatedly discursed this point. That interval if 22 hours is due to the following. Newmoon on March 22, 8:21 in the Evening journet on March 23, at Digitized by the Centle for & Septist Research

Cherler M the affearance of 2 medium i sized stars about 20 - 50 minutes later. This uncertainty, however, does not settle the important case. It is very well conceivable that the witnesses who observed on the mountains west of Jerusalem having the clear borizon of the Medi-terraneau before in front of them could see the longed for star on March 23 in the evening; their lestimony was accepted the next day, march 24, and the sanctification of this day sanctified as the beginning of risan. furthermore ! on the evening of this march with the moon went down (ret) as late as I hour 34 minutes after sunset. [ Note 1, p. 130: Kritzinger has used special case was especially careful in establishing this because of its importance, see "Reform ation" 1915.] so she was high in the sley at sunset; on this evening she was as old as 46-47 hours, had gained considerably in width

Jours so that it is incontentable that she was seen not only at sunset but even shortly before sunset @ Mote 2, p. 130: The appearance of the new light dering and before sunset was reported to me in April and Mary 1915 by five observers from nazareth, Damaskin and Aleppo. 7 From the express statement of Mainonides "even if the witnesses came at the end of the Both day near sunset, Their testemony was accepted and Moters, p. 130: In such caresthe samifice was offend only the west at is evident follows that fere, on 30, Adar, where the court of justice itself could see the moon it proceeded to sanctify this day (march 24) as the first nisan; for it was known to the court that since the new moon consider more than 24 hours had elapsed which fact obliged it not to prolong by one day this surplus?

Obra 6 Maimonides 1,3): "The moon is darkened every month and is not seen for almost two days, about one day before the conjunction and about one day after the conjunction. She is seen again towards evening in the west; and the night when she is seen again after she was hidden is the beginning of the month. From then on 29 days are counted and if in the 30th night the moon is seen again, then the 30th day is the first of the new month." According to this we have a decision beyond any doubt, against which but one objection is thinkable, and that is that for reveral evenings in succession the sky was overcast; about this see pil35 and on . new moon; march 23 was the 29. Adar, March 24 = 30, Adar ; Friday Thursday 1. Misan = March 24, 14. 1 = April 6, Digitized by the Center for Adventist Research

This corresponds exactly with the Biblical report of the hord's Passion, and there are days we have been looking for. / The last possibility we have to weigh here is that in the year 30 was an intercalary year. In that case the new moon of April 21, noon 12:26 intoo duced the hisan. Then the 1. Mis an would correspond to April 23 or 24 and we would have the following dates: 1 hisan = April 23, Sunday or = April 24, Monday 14 " - May 6 Saturday" = deay 6, Sunday thus no relationship to Passion week But the necessity for intercalation does not exist. // The year 31. If we proceed from the new moon of march 12 1: 9 o'clock at night then surely one it can be accepted the new light was visible on the evening of the 13th i.e. after 40 hours. Consequently on march 14, Wednesday, the new moon began ; was it Veadar or Nisan?

In the latter case the 14 would have been Tuesday, the 27., the 15the on Wednesday, march 28 which pre-cludes any relationship to the crucifision. We would have the same result if - what is quite possible theoretically the month started began one day earlier. The next new moon was on April 10, 2:7 o'clock in the afternoon. On April 11 the seen set 6:25 o'clock; at that time the young moon was 28/4 hours old, her Azimuth difference to the sun was 40, her height 12°; the latter need have been beet 11, 9° - 12° according to above diagram? On the strength of all these reasons the new light on this evening must be taken on this evening for sure so that we have the Gallowing dates: I disan = April 12 Thursday 14 " = " 25 Wednesday 15 " " 126 Thursday The same dates would result Digit by the center for Adventist Research

109.9 had been seen on the evening of April 12 - after an interval of of 52 hours! - and that so early that the closing (current) day yet could be sanctified as the 1. Visan. The third supposition : The new light appeared on April 12 so late that the I. Misan corresponded to the 13th April - because of all this has but very little probability. Its order would be: 14. Nisan = April 26, thursday, 15 = April 27, Priday. Theor, again, we would have the days of the Passion; but according to the four different possibilities just explained these two dates are to be eliminated on the teasis of the astronomical conditions. /

on the Agraite Calendar annation from apprian, The Raraites reckon from Sthe creation of the world, which took place 3760 B.C.S. Consequently from creation unice 1880, 5640 years have passed. They have the lunar year, so that new year is at new moon, i.e. The years have 12 or 13 months; the former are called common years, the latter leap years. Their names 7 nisan 1 Tistini @ 8 Lyan 2 Marchesvon 9 Sivan 3 Kisler 10 Tamming 4 Tebet 11 Ab 5 shebat 6 iddar biddar 12 Elucities And in the leap year of full month is added before hisan and it is named Idar I. Whate Bightzed by the Center for Adventist Research Karaiter

25 have two beginnings of the year, the first is reckoned as from the month Nisan, which is considered the beginning of the sacred months, but the real new year is the civil as from the first day of the month Tiskri. ] The beginning of the year usually comes in September and very seldom thend of August. The common lunar year has 12 months or 354 days, 8 hours, 48 minutes and 34 seconds, and the leap year has 13 months, or 383 days, 21 hours 32 minutes and 36 seconds; thus the Karaites' common lunar year is shorter than the Julian solar year ( of 365 days and six hours) by 10 days, 21 hours, 11 minute, and 26 seconds. The months consist of 29 or 30 days, the former are called insufficient months while the latter - full months According to circumstances, rometimes two or three months of Digitized by the Center for Adventist Research

3 Por 29 or 30 days follow each other, at other times they alternate. Every 1st day is reckoned considered new month. The day begins in the evening at surret , when the stars begin to be visible. I According to the law of moses, the celebration of Passah must be in the middle of the month Uisan and in the beginning of spring; therefore the Raraites are compelled to coordinate the linar year with the solar year. As the lunar year ordinarily is shorter than the solar by 10 days, 21 hours, 11 minutes and 26 seconds, 20. it is evident that after an elapsticited by the Center for Adventis Research

Solar year will differ from i the lunar over a whole month Therefore the time was . 19-year cycles were arrangedor where there had to be 12 common and 7 leap years. This in each (every') cycle the leap years were: 3, 6, 8, 11, 14, 17 and the 19 th year, while the common years -1, 2, 4, 5, 7, 9, 10, 12, 13, 15, 16 and 18 year. As a rule the intercallary mouths were are added before the month Visan when Passah is due. So to make the lunar year agree with the solar year to every period of 19 lunar years 7 months were must be added, for the difference between the 19 rolar and lunar years is almost exactly 7 months I while the whole 19 - year cycle of the Raraites is by 1/2 hours shorter igitized by the Center to Ady this Research years.

The periods reckoned as from creation of the world. In order 53 as from to learn to what year of the. lunar eyele a given year belongs, one should divide the given Raraite year into 19 parts and the remainder (falance?) will show. what year of the period (cycle) this given year is, for instance, if you divide the quoting Raraite year 5640 by 19, your int will beam that from the beginning of the era 296 cycles have the passed , and the remainder 16 there means that the given year is the Noth of the current lunar period. (egde) - H \* The Ravaites reckon the Int day of every month as from the new moon which is first seen with the naked eye in the West, Digitza by the center for Adventist Research

astronom. tables from astronomen : of the orient partly corrected ley the Raraites astronomers themselves made up at the Meridian of the Crimean pen insula 45° northern latitude; From these tables the first of the month is found according to the following rules : YFor each month of the calende is figured out, as well as the hour of sunset on the day of new moon Then it is Established : If the age of the moon as from the true new moon to the hour of sunset is under 8 hours, then the Ist is always postponed to the next evening on the grounds, that due the short (conjunction) time between newmoon, and remet even under the bert Digitized by the Center for Adventist Research vorable

Vicercumstances the moon count : be visible the first evening. (Favorable circumstances are (now) considered : (a) the moon at (con.) the time of the new moon has the greatest northern latitude; (b) in case is nearest to its perigee, i.e. nearest to the earth; (c) if in case the moon is at the time (congrimetion) the northern Zodiak, while the contrary conditions are considered unfavourable ). / 2 After determining the true recomposition the hour of runset for the day of the new moon, in case the age of the moon as from new moon to the hour of sunset is betreen 8 and 22 hours then the 1st (of the month 3) cannot be determined by the of the newmoon

because at the age of this many hours the ten moon can or can not be seen on the first evening. Therefore, in ricch a case they must resort to another method of determining, i.e. first of all from the tables it must be figured out the degree of the distance between the moon and the sum to the east at the moment of sunset on the first evening; 2 It must be found out is necessary to determine the degree of the height the moon will be at the moment of sunset, and further whether the total of the moon's distance from the run and the moon's height above the horizon together amounts to 13 degrees, then the first of the month is Digitized by the Center for Adventist Research

" is reckoned from the first "evening of the new moon but in case the total is less Than 13 degrees, then the first is postponed until the Jollowing evening // 3 Afler the true new for the day of new moon, N in case the age of the moon as from the new moon until the hour of sunset is over 22 hours, then the first of the month always is counted the first evening - on the ground that the moon at an age of over 22 hours from the new moon, seceives a great share of its light from the sun, so that it can be seen even an the by the Cert for Adventist Research

on the first evening. / The foregoing is the main basis of the Raraite calendar. As is evident from this the determining of the months of the Raraite calendar represents a colossal task. Besides there is this inconbenience that the moon which will show berself the first night after new moon in the crimea, cannot appear the same evening everywhere, therefore not all Raraite scientests share the opinion of determining the months of the calendar tay this method. Thus in the near future is to be expected a simplified Karaite calenda in the sense that out of three rules only one will be made, i e. the first of the month

Will will always be the first evening . following the Tree new moon, for much already has been written about this in the past and present centuries and mitil 1780 (Clinitian era) the Raraites used still another method to determine the months of the Raraite calendar. · Jufuda Rokisoff.

he indication on photocopy where this article

EB., Transl.

appeared.

Translation from Russian (#154 from "Hebrew Encyclopedia" Collection of Knowledge on . Jewy Helenoism Heleraism and its culture in the Past and Present. Harkavi Dr. of Cineutal History A. Harkavi and Dr. L. Katzenelson Vol 9. (Judan - hadenburg) Publis Brockhaus - Ephron. St. Petersburg.

Under "Calendar" The <u>Karaite</u> Calendar differs only a little from the Rabbanite Silve the latter it is based on the lunar calculation from the Moled (new moon ) to the moled. The Raraites reckon the first new moon of the same Hebrew - Rabbanite era since the creation of the world on Monday So'clock and 204 parts ("7'3'5), but their hour is divided differently. it has 60 minutes, the minute 60 seconds, and the second -60 terties. They have the same 19-year cycle with the same arrangement of the common and leap years. But their calculation of the new moons is different : After having

figured out the moled by the same method which ecists with the Rabbanites, the Ravaites first correct it according to special tables and then according to observation. The tables show of corrections to the calculations of the new moons for each location where karaites live, From the tables can be learned that moment when the observation to start to look for the appearance of the moon. If one succeeds in seeing her in the evening before the 30th day, then the first day of the month is considered the one following this evening; otherwise the 31 the dogrized by the Center for Adventist Research as the first

of the month, as it was also with the Hebrews .. during the period of olservation . With regard to festivals and fasts, the Raraite Calendar differs from the Hebrew in the following: New year can come on any day of the week, for the Raraite's do not adhere to the four exceptions ( approvenini) of the Hebrew calendar. New year, as all other new months inse celebrated only one day. your Kippur is also held loth Tisbri, but not the same day as the Ralbanilis . Passak and the feast of tabemacles is celebrated only 7 days. Ventecost (Shebuat ) is celebrated on the 50th day

5 reckoning from Sunday . which comes on Parcha. Passah (ANTIER MEWN; (hevit. 23:11) and not from the 1st day of Passah, as is done by the Hebrew-Rabianites. Pentecost always comes on a Sunday. Chanceka (the festival of the Maccales) is not observed by the Rairaites at all. However, they do observe Purin, but without the fast of Esther. The fast of Gedalia is not observed on the 3rd Tisbri but on the 24th of this month, as was done by the Hebrews at their return from the Babylonian exile, Though the remaining fast days are observed they do not coincide with these fasts of the Ralibanites An exception

is the fast of the 10th Telet. : Bibliography: Ideler, Handbook of mathem. & techn. Chron. 18 25. Dillmann, On the Calendar, 1882 H. Winekler, Cunciform Writings and the Old Test. 3rd Edit; nowack, Hebr. Arch; Benzinger, HA; Rugler, The Babyl. hunar Reckon. Singel, Handbook of mathem, techn. Hilprecht, The Excavat. at Nippur, 1904 A Spatein, ביקרבווגיות היהדרים, Slonimski, (Rus) 71247, "Clerind, espec. Haasif 1887; E Meyer, Egyptian Chron. 1904 E Schürer, Hist of the Hebrew People B.I. Schnabel, Studies on Babyl & Assyr Chron 1908 I hurier, Mathemat. Theorit Hebrew C. D. Supple Magenag. Trop. etg. K) 1887 Hamburger, R. J. B. and Tal, Fuckermann, B. - Mater. zur Entwickl. d. altjud. Z. K in Talmed;

A Selewarz in The Jewish Calendar J. Lock, French Tables of the Jewish Cal. 1886 Pineles, Run, הורה של הוצא, J. D. Rokisoff, 5'52's nor and ..... J. Bachrach, D'IWir 1'S Trom Aucient J. Bachrach, D'IWir 1'S Trom Aucient Albrew Uniters on Caleondar, aside from what is stated in the Talund: debrander - ----Known: Mashula (753-813) Al Talari (800) S. Donnolo (949) Chasan Gadajan (972) Abr. Chia Hanasi (1136) Abr. 2bn. Esra (1168) Maimonial (Kideish Hach - 1205) Isaak Israeli (1310), E. Misraelii (1490) Abr. Sakuto (1492) M. Isserles. (1573) D. Hans (1613) and others. In the Helerew Galendar) of burland ? is given a bibliogr. list of Hebrew astron. literat. until 1880. (comp. J.E. III, 498-508) & Seltzer.

Translation from French ". Revue des Etudes Juives " Quarterly periodical of the Society Vol. 18. Publ., Paris, A. Surlacher, 1889. R.C. 95101 R 45 p. 90-94: Theodore Reinach: "The Calendar of the breek of Babylonia and the Origin of the Jewish Caluq. The propagation of the metonian calendar - the most perfect of the luni- solar calendars. met with the ancient precions, obstacles of the same kind as were those Digitized by the Contention and the set

" those of the bregorian calendar met with the modern nations. The scholars opposed it with rival systems, as the one of Eudoxe, the ignorant with their mertness, or indolence, the pious with superstitions prejudices. In course of time, however, the meton calendar was introduced (imposed) on the most civilized breek states of the world but the chronologers do not agree as to the definitive exact extent of these conquests. The ancient witnesses themselves are rather car. tradictory with repard to this subject. "The majority of the breek writes Diodore of Sicily in the 1st century B.C., until my time used the ennéa-decaeteride (i.e. the meton cycle) and were well satisfied with it." Diodore de Sicile XII, 36 ]. 250 years later, The Clivistiansized by the contemprise lever Sextus Julius

2 Perma Africannos declares with the same assurance that "the breec and the Jews have the custom of inserting three intercalary months in eight years ", [Note 2, p 90: Africanus by beorges Sycelle, p. 611: dia TOUTO Kai EAANVES Kai loudator Tpeis myvas euloginous νετεσιν όκτώ παρεμβαμουσίν. It is extraordinary that this text was not quoted by the Hebrew historians of the calendar, nor the ch 74 of the "Book of Enoc" which testifies but very vaquely of the ancient knowledge of the octaeteride by the Jews. This latter text was pointed out to me by M. Joseph Halevy. I in other words, they were using the "octaeteride". All the conclusions that can be madified by for chan Adventist Research two

assertions is that the eight-year 4.Re cycle and the 19-year cycle continued, until a very advanced period, probably mitil the general adoption of the solar calmolar, the favour of the breco-oriental world. But 91 in what proportions did this division (dividing?) take place? Where is the demarcation line for these two domains? That is difficult to determine a priori, (without investigation? off hand?) The problem should be examined for each nation, for each city in particular, and here the (hémérologe), inscriptions, medals offer more help (are more helpful?) than the historical texts or literature. With these aids it was possible to make sure that beginning with the middle of the 4th century B.C. Digitized by the Center for Advertise B.

Athens adopted the metorian reform while in most of the cities of Syria and Palestine the octaeteride prevailed until the Roman era when it gave way to the solar calendar. Note 1, p.91: On this point see Unger, "Time-computation of the breek"; also Iwan Müller, Handbook of Science of Classical Antiquity " I/601. ]. to this, the system followed in the Arsacide monarchy, or, to be more exact, in the breek colonies of Babylon from where the Parthian kings took over (emprinter-borrowed) the language and the calendar on their moneys and their official records! To solve this little fruite problem, we first point to two theorer Digitzed the Center for Adventist Research

which is almost useless for it merely means to translate into the language of mathematics the fundamental principles of the Whole luni- solar calendar be it ever so little scientific. rolar calendar based on a cycle of A years, in case the year 2 is embolismic of which is the same with every year the date & differs from 2 by an exact multiple of M. Mershort Inote 1, p 91: On this point see Unger, "Time-computation with the breek"; Ivan Muller, "Handbook of Science on classical Antiquity " I,601.] [ Note 2, p.91: years composed of thirteen, months are called embolismic and "common" those with but twelve months. ] If, for instance, in an octaétérique calendar, the year 1870 is igit som half for Adventist Research will be

the same with the years 1862, 1854 ... 1878, 1886, 1894 .... In the ennea-decaeteric calendar, in the contrary, the embolismic (have the date ) 1870, 1851, 1832,... 1889, 1908 etc. This theorem proves that the embolismic years are reproduced at periodic intervals: as known the same rule serves to determine the leap-years in the Julian calendar. / Theorem I. In no luni-solar calendar there can be two consecutive embolismic years nor two consecutive common years. This theorem is formulated expressly by the astronomer benimus and seasy to verify with ! in (?) all known calendars. [ hote 3, p 91: heminus, Introduction to Phenomena, ch. 1.7 It signifies that the aim in inserting the intercalary month is solely to prevent that the New Year's day caftization the conter for Adjentist Research ever is

retarded delayed by a complete lunation from the astronomical point - equinox or solstice chosen as the beginning of the solar year. The year of 12 lunar months (of 29 days and a half on the average) is 111/4 days shorter than the solar year; in admitting them fore, that in the beginning of the cycles, the initial new moon comes precisely at the astronomical point, the delay will be 221/2 days at the end of 2 years, 33 % days at the end of 3 years, i.e. more than one function: thus at least one intercalany year in three is needed. Similarly, the succession of two enclodismic years is not only nuncessary and asymetrical but it would also almost always advance new year's day of the lunar year over new year's day of the solar year by more than one lunation, which Digitized by the Center for Adventist Research

is just as irritating as a delay of the same length of time. For letter reasons the succession of three embolismic years is absolutely impossible. / come to our breco- Babylonian calendar. On a great number of tetradvachmas coined by the kings Arsacides, not only the year ( reckoned according to the Selencides era, Sept. 312 BC.) but also the month is given. Contrary to the Pontique and Athenian series where the month (or the prytanie) is expressed (designated?) by a numeral letter, the Arsacides months are indicated by their first letters: the manies of the months are those of the Macedonian calendar, intro. duced in Babylon by Alexander the breat; the intercalary month is simply charillande Center Breniter Reseter for

Embalion "Eulogipos "intercalary". All coins dated with this month reveal to us an embolismic year of the brees-Babylonian calendar, the date ? of which is supplied ' by the Corresponding Selencides date. So far, only three pieces of this kind have been found. They are: ' A tetradrachma of the year 287 Sel. [ British Museum): 2 A tetradrachma of the year 317 Sel. ( Berlin Cabinet - Percy bardner, Parthian Coinage, p. 46.); 3 A tetradrachma of the year 390 Sel. (Legoy, Revuiew Mermismatic 1855 = Percy bardner, op cit. p. 62). Thanks to our two theorems it will be seen that these three coins - though spaced over a period of more than a Century - allow make it possible

to determine the nature of the arsacide calendar with certitude ./ het us first see whether the indications of our tetradrachmas are compatible with the hypothesis of an octaeteric Caleridar. // The year 287 being embolimic, it will be the same (Theorem I) with the years 287+32 (the exact multiple of 8), i.e. 319./ Similarly, 390 being embolismic, it will be the same with 390-72 (exact multiple of 8, L. e. 318. On the other hand, the tetradrachma of Berlin teaches us that the year 317 was embolismic. We have therefore the years 317, 318, 319, as embolisnic i.e. not only two but three embolismic years in succession, Digitized by the Center for Adventist Research

which is absolutely impossible according to theorem II. / Hence, it is proper one can affirme that the prece - Babylouian calendar the period of the Arsacides, was not based on the octaeteride. // Let us see now whether the system ennéa-deca-éteric can be applied to our tetra -drachmas. add, to the embolismic 287, you find arrive at the embolismic of the embolismic year 390 306. / 76 (= 19 × 4) you arrive at the embolismic 314. / Thus, in the period of 19 years beginning, for instance, in 301 Sel., there are three sure (certain?) embolismic years: 306, 314, 317. Now, this succession is not only Met at all abourd but

3 Rein it also coincides exactly with the results beceived be that from the christian Paschan, or the type of the metonian cycle muse with the Jews. Indeed, there two calendars, the seven embolismic years of each cycle have the numbers 3, 6, 8, 11, 14, 17,19 [note 1, p.93: It is easy to see that this distribution of embolismic years is the most natural and most symmetrical of all when, at the beginning of the cycle, the days of the lunar and solar year coincide eractly or almost so. In the Pasha cycle this is the necessary consequence of the principle of the celebration of Paseha (Sunday after the full moon which follows immediately the spring equinox) and the year arbitrarily chosen as the beginning start (285 A.D.). ]

you see how the years 6, 14, 17 correspond precisely to the three embolismic years attested by the tetradrachinas assacides. // audacious (bold?) to draw the following conclusions from this reasoning ; ' The assacide calendar or properly speaking, the calendar of the breek of Babylon was based on the Meton cycle. // 2 Jaking as the beginning (arbitrary) of the cycles, the year 301 Sel., the embolismic years very likely occupied came in the following order in each cycle: 3,6,8,19,14,17,19. 3. When the Jews in the 14th century A.D. adopted the Metonian calendar, they arranged it after the breco-

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Babylonian model. So This calendar, in all probability came to them not from talestine where the octaeteride had held its own, but from Babylon: This hypothesis is confirmed by the fact that the astronomize studies, according to the testimony of the Talund flourished more in the schools of Babyloria than in those of Tiberiad. If asked to designate the true inventor of the present Jewish Calendar, I would choose the famous Babylonian Relbi Samuel, known by his arts nomical researches "[ Note !, p. 94: Talmud of Babylon, Rosele har Schanab, 206; Hulin, 95.6 (according to Graets "History of the Jews" IV, 289 and note 2). The patriarch Hillel I to whom tradition

attributes ( ascribes ?) the manufacturing (making: confection ) of the calendar 3 [ Note 2, p. 94: R Hai saon, with Abraham ben Hiyya, Ibbour, p. 97. 7 no doubt did nothing else than to give legal consecration and publicity to a private work, spread since long among the Rabbin of Baleylon who en-deavoured to free themselves from the tutelage of the Tileriade patriarchat in what concerns the intercalation Theodore Reinach.

Translation from French Le: D.S. 101, R.45 "Revue des Etudes Juives" Quarterly of the Soc. of Jewish Studies Val. 58. Paris, 1909, A Durlacher. p. 293-296 D. Sidersky: " The Pretended Intercalation of a Second Eloul in the Ancient Hebrew Calendar," It is known that, the levisolar calendar of the Balylonians the inter calary month was placed inserted sometimes before the one of nisan (Adar II) or sometimes before the one of Tishri (Eloul I) [ note 1, p. 293: V. Singel, Handbook

2 Sidensky of mathemat. and technical Chronology, Vol I (heipzig) 1906, chap . I. ] It was the same with - the calendar of the Samantang [ note 1, p. 294: V. Basnage, History of the Jews, tans 1710, Vol. II, p167 Reproduction of a letter from the Samantain to M. Huntington . 7 While in the computation of the Jews there was nothing similar, and, according to all affearances, the intercalary month was always the one of Adar I. Indeed, nothing in Jewish literature justifies the supposition that they inter. calated formerly a second lovel. There even are grave reasons that such an intercalation was impossible being contrary to the moraic prescriptions which Digitized by the Center for Adventist Research

Sidente ordered to count the month of Abilo ( Misan ) as the first of the year, and to celebrate in a special manner the first day of the seventh month (Tiskri). This has not prevented certain thatty informed authors to state that in the ancient Hebrew calendar (the one in use in the 1st century of our era) the inter calary month was some times Cloud I, placed accordingly between Eloul and Tishri. This thesis, sufforted by several scientists (scholars?) was ardently defended by the albert Memain in his "Study on the Unification of the Calendar" ( Annals of the Bureau of Longitudes, Vol. VIII, supplementary note); then in a memorial under the title " The Hebrew Calendar before the Ruins of Jennsalem" (Cosmos, July 21 and 28 August 4 and 11, 1906).

4 Siderster To support his thesis the ecclesissing Josephers ( War ? I, 37) to show that in the year 66, Passah fell on March 29 and that the feast of the tabernacles was selected Oct. 22, or seven months later. / It is especially in his "Study on the Unification of the Calendar" - a scholarly work that abbot Memain reproduces the bistorical details on which he leans as regards the date of the first day of Passah which coincides with March 29, 66, a date which to us reems correct. On the contrary, with regard to the feast of taber acles which he sets on Oct. 22, he contents himself to state in his supplementary note terminating the referred to study that this " results from the text of Josephus (War & II, 37, 39 and 40). / In view of the strangeness of this fact we have thought it proper Digitized by the Center for Adventist Research

5. Siderally to verify the facts before discussing them. Well, we know that the feast of tabernacles, i.e. 15 Tishri, must coincide with the astronom. ical full moon or follow her in one or two days but that it can never precede her. As a matter of fact, in the 1st century of the clinitian era, the official fixation of the new moons was made either by direct observation in Jerusalin of the first appearance of the crescent (about 20 hours at the minimum after the conjunction (true astronomical), or by the astronomical calculat ion of this physical (2) phenomenon Now, in October ble the average conjunction (7772) took place Tuesday Oct 7 at 5 o'clock, 48m. 20.3, (in the evening) and the true astronomical conjunction, calculated with the aidsigitized the Center for Adventist Research of syggings

Sidersley of hargeteau (Knowledge of the Times, 1846 took place the same day at 8 h. 8 m. 20 s in the evening. Under these conditions the over could be at the earliest the next day Oct. 8 after sunset; thus the first of the month was Tursday Ort. 9 and, consequently, the 15 of this same Jewish month fell on Thursday Oct. 23 while Wednesday Oct. 22, the day alleged pointed out (2) by abbot Memain coinciding with the 14 th of the lunar month could not be the one of the feast of tales. hacles. het us now look at the text of Josephus on which abbot Memain relies. This scholars expresses timself as follows : " with regard to the attack

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Sidersky of the Jews against the army of cesting, Josephus (War, I, 37) after having told that at that time the feast of tabernacles was being celebrated he adds by speaking even of the very day of the attack : " now, this was the day of rest most piously guarded (observed!) by the Jews." According to Josephus, Cestins in the course of this day stopped for three days at Betharon, attacked the Jews on the fourth, and then went to camp at Scopes where he stopped again for these days and finally, on the fourth day of this new halt be attacked the city. " now, rays the historian, this was the 30 Hyperberetee (october)." -

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Sidenley Note 1. 295: The abbot (priest?) Mémain in his "Study on the "unfication of the Calendar" referred to above ( in his first note to prove the point with the aid of the inscription of Berénice published in the memoirs of the Academy of for Inscriptions (Vol. XXI, p. 225) shows that in the year 21 before (prior 6) the Christian era the Jewish Passah had to come on April 20. After discussing at length the text of this inscription (which is quoted by I deler in his Chronology, Berlin 1825-6) in order to show prove that the 22 Tisbri (the festing of Schemin Aciret) coincided with the 21st Oclober of the proleptic year 21, the scholar- clergyman does not hesitate to conclude that the 1st Tistri was the 30th September and that consequently the month of Visan which comes six months carlier (177 days) coincided with

Sidersky - hote, p.2 the luncetion as from April 5 to May 4, and the Jewish Passah (15 hisan) similarly coincided with the field moon of April 20. This method of reasoning presupposes that the Hebrew coelendar in the first century before the Christian era was absolutely identical with the one in use at present; accordingly the interval from hisan to Jishri is fixed not only as to the number of months but even its number of days while in the first century of the Christian era (87 years later) this interval between Hisan and Tishri varied even in the number of yes months which is an apparent contradiction. In reality, the interval between hisan and Tishri was always six months but the number of days in this interval was

Sidently, hote - 3 not fixed before the definitif establishment of the present Jewish calendar, which is leased on the calculations of the average conjunctions, the Moledot. ] From "Revue des Etudes Juives" Val. 58, Paris, ADurlacher, 1909 \$ kp 293-296: D. Sidersky, "The Pretended Intercolation of a Second Eloul in The Ancient Hebrew Calendar." AS L. L.C. R45 J L.C.

8. Siderale elapsed . Thus eight days had passed latter and the first attack; hence this one must have taken place Oct. 22, and that was the first day of the feast (15 Tischri) O. [ hote 1, p 295: Consert here note written in ink --- )

9 Siderale As is evident, there is in the demonstration of this scholar a hypothesis to verify which will be proper in order to verify whether the macedonian month hyperbinetic of which Josephers speaks was synonymous (identical with the Roman month October now, this application of maced-Orian names to solar months of the Roman calendar was not at all miforms in the 1st century, and with regard to this we find in the "Chronology of Ptolemee " publ. by Halma, Paris, 1819), p. 89 instructive information In his " Histor. Researches on the Observations of the Ancients" the author says, according to Noris that since the time of balien the macedonians bad a solar yound by the enter for Adventist Research at the

10 Sidersky autumn equinox: Dins = " sept 24, Appllaeus = Oct. 24. Hyperberetacus = Aug. 24. This solar year was introduced throughout Asia Minor. / According to this indication the 30 Hyperberetaeus coincided rather with the 23th Sept. than with Oct. 30; and it is evident that the calendar of Josephus was by nor means the one of the Romans. // that Josephus in "War" designated with (tuy!) macedonian names the Jewish lunar months [ note !. p 1 296: So Josephus tells (War EI, 4 and 5) that the Romans have destroyed the temple on 10th hours, the same day as the destruction of the first temple by the Babyloniants This took place accurred & according

Sidersley to Jeremia (52:12) the 10th of the fifth month (Ab). V. Ideler, Chronology, Berlin, 1825-6, Vol I, p.401. ] like he did in · Antiquities " (III, 10, 35) / speaking of the Passah festival celebrated on the evening of the 14th of Cantique so that the month Hyperberetacus designates the one of Tishri and the (religious) sacred feast of the 22 th of this month was the one of Schemini Aceret, following the one of the Tabernaoles. / M. Schürer in his "History of the Jews at the Time of Jesus Christ" Vol. I, 3rd ed. p 604, has pointed to the same passage of Josephers in these words: "Four days later, on the 30th Hyperberetas (Iishri, about Oct.) he occupied .... " Under these circumstances, Digitized by the Center for Adventist Percent

12 Sidersey there is no serious (valid ?) reason left to repport uphold that in the year 66 or many other year there was an interval of X seven months between the feast of Passah (15 nisan) and that of the telernacles. (15 Tishri); consequently the interealary month was mutil the contrary is proved always the one of Adar I. & Sidersky.

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Biblica Jol. 13, 19 2 2 11 93-105 More Recent Works on the State of · the cricificion of christ. ' Sustav Baron Bedeus von Scharberg. "Chronology of the hife of Christ" -(80 pp octavo) Hermannstadt fit - now hand Sibile in Remaine STS) II Supplements to the Historical Part, Deid. 1929 (p81-192) With Addenda, Shid. 1930 2 Oswald Serhardt. " The Sate of the Crucifision of Christ " In: Astronomische "Machineliter" (Astronomical news) 240 Nr 5745/6 Oct 1930, Column 137 62 () [O berhardt already earlier has set estable up stated "The Date of Christ's Crucifision", Berlin 1914) his thesis (theony) : "15 Misan = April 7, 30". In recent times he has repeatedly pointed referred to his thesis, as in "Research & Advance" 7(1931) 83. Even in the " Lerman - Chinese news " 2. Volume, Tientsin) on April 5, 1931 p. 10 there appeared an article : The Date of the Cricifizion of Christ determined astro-nomically". Two addenda against E Dittricking by the collector deriver Research hote 2)

If by him later were printed in · the "Astronomical news" 242 (1931, II) · Mr. 5790, 127 f. Mr. 5801, 305-10.] 3 D. M. Van den Ven, "Day's year of Christ's Crucificion", a Chronological Study. S- Hertogenbosch (1930). S mosmans Zoon. 74 p. fl 1.75. 4 J. Sickenberger, "Chronology of the n.T." of hife of Christ. hexicon for theology and church 2 (Freiburg 1931. Herder) 330 f. (2) L'hote 2, p93: Here reference is made to a few more of recent works on the year of the hord's death, which cannot be discussed here in detail. Robert Eisler has set the day of the crucifixion of the hard arbitrarily on April 15, 21. ( Christos leasileusas 2, 144 and 163-204; Revue archéologique E/32 (1930) 116-26); in the "Astronomical news " (mr. 5458 [1930, II] 405 f) is a note

3 on this ley Fr. Winschmann. . In the same magazine 241 · (1931, I) Mr. 5784, column 401-8. E Dittrich states that clinist was crucified on 14 Visan, April 15,29 after a very brief period of nimistry while 12 Hernig second the Jear 33 and the 14 Nisan -242 (1931 II) hr 5.789, 110-3. Based on the so-called tradition of the year of Genini Rice. G. Villoslada in 4 Verburn Dominie"9 (1929) 322-33; 10(1930)10-15 has recommended the date of March 18, 29 formerly so common in use. ] p. 94. The works before us agree inofar as they sub ordinate the chronological problems of the life of Christ-which are very contravented - to the Solution to the Certificer Adventer Research question

Which has as its subject the ' date of the death of Christ. So the work named first is aiming at this goal making the fixing of the date of his birth and of the beginning of clinist's public ministry entirely dependent on the determining ation of his death. Together with Van der Ven, Bedeus accepts April 3, 33 thus being in contraposition to O Gerhardt who is taking Myr 7.30. I sickenberger differs from both in that he is leaving Open all four years as from 30 to 33, abandoning the investigation of all monthly dates. I. The solution of the question tof the day of the Rord's crucifision as is recognized Digitized by the Center for Adventist Research

is made difficult by the fact that different solutions present itself which directley contradict each other. Aside from traditions, which has historical question without authoritative right - astronomy presents firm, though not quite unequivocal results. Still more it is being emphasized that the gospel itself determines the end of the hord's ministry by fixing begin and duration of it. The beginning is net into the fifteenth year of Cesar Tiberius (hue 3:1). Right from the start it must remain doubtful, whether the time as from August 19,28 until the same day of 29 is meant or whether this year is to be reckoned as from Oct. 1, 27. Furthermore, it can be taken for granted that the hord taught at least Diferrory ingelation diventist Research is most

! likely that his ministry covered fully three full years. All four aithors named above accept the three-year theory. Thus we would have to accept one of the Passah festivals of the years 31 or 32 as the "Crucificion Pascha". Yet J. Sickenberger wishes to leave open four Easter festival 30, 31, 32 x 33 while the other three" works agree that only two years enter into consideration - and (in these but one certain day-as the hood Friday, that is the year 30, and there April 7; and the year 33, which offer April 3 as the date for boad Freday. / Since long, however, some adherents to the 3-year -theory have corrected the date of huke 3: i the imperial days of Tiberius Digitized by the Center for Adventist Research

from the death of Augustus 195 but from that earlier time when Tiberius was appointed to the "collega imperie", which hypothesis is often denoted a "Crownprince-era". 1. The variety "30-33" 5 "30 or 33") can be ex plained by the different answers given to the question: "Has astronomy a word in this question or not ?" Is it possible to determine those years of Pilate's administration (26-36) From the fact that Today we can figure out the astronomical new moons within a range of "a few minutes")"which the 14. or 15 day of the Jewish spring monthDigitis doy the Center for Adventist Burndony?

"To this question J. Sidenberger gives a decidedly megative answer. " It is impossible to transfer this Jewish date of the month (14 or 15 hisan) into our way of reckoning doiting because with the Jews the observation of the new moon (conjunction) was made according to the obviousness appearance, evidence ) and the insertion of an intercalary month was practiced with certain freedom, so that astronomical Calculations cannot lead to the goal." (p 331). yet the investigations of recent years, especially the works presented in "Biblica" 9 (1928) 48-56, 466-8 in astronomer K Schoch - who in the meantime

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I was much too early lost (matched away) to science do not justify such reserve. It is possible to prove for the evenings following the conjunct. of sem and moon whether the narrow moon crescent already became visible or whether this was impossible; only in few cases the secult renains doubtful 3 Prote 2: P.V. Neugebauer, "Tables to astro nomical Chronology "3, heipzig 1922 XXVIII - XXXI; 50; Astr. Chron.I., 79-85]. \_ First of all it is possible to eliminate all those years when neither the 14 nor the 15 Misan fell on a Friday. The fact certainly conspicuous I that only the two named dates remain as likely cannot lose of its value because the intercalary months were Digitized by the Center for Adventist Rese

/ inserted not according · to fixed rules. Under this · supposition simply both months in question for the Misan must be examined investigated. Thus it is evident that the negative method here offers a very palpable result - the year 32 is completely out because in it the 14 and 15 his an could only come on a Monday, Tuesday or Wednesday, in no case on a Friday. The same can be proved of the preceding year 31, <sup>96</sup> offering a rather unlikely date in Friday, April 27, which is practically in out (of question) With regard to the year 30, below on plot and on a calculation, supplementary to the usual, procedure in proving is Digitized by the Center for Adventist Research

I given. The year 29 also must is completely out. III. The second question dividing the four authors named is the "Crownprinceera". While all others emphatically reject it, O. berhardt just as sure states it to be proved that huke 3: 1, the first Passover of the hord's public ministry, is applies is taking shifted into the year 27. The truth, however, here, too, will be the middle happy mean. Of the four reasons brought forward by berhardt (p 138 f.) three fail completely: the report of Kelleins Paterculus (2, 121, 3) the Silamus coins of Antiochia and the.

2 topto my Hippolyters ()[Note 1, p 96: In Dan 4: 23, 3. Bonwetsch 1, 242] and Tertullian (2) [note 2, p. 96: Adv. Marc. 1, 15 Pl. 2, 288; CSEL 47, 3097 About the coins in question compare Vander Ven p. 29, who quotes throughout rejecting (repative opinions (judgements) of prominent numismation. yet the fact remains intact that huke 3:1 designates the administration of Tilenus and of Pilate with the same expressions nyeporever and mysnovia. Thus the possibility remains that the Evangelist reckons the whole: time when Tileenius held supreme power over the provinces, especially the orient although for about 2/2

years he did not rule alone but together with Augustus. // Here, however, it should be noticed that the opponents of the crownprince era, who consider take the year 33 as the year of the death, also cannot explain incontestably the date huke 3: 1. According to them the Passover of the gear 30 must be explained their anyted year - theory -- because of the 3-year - theory as the first in the public life of the hord. yet notedy explains the abvious difficulty: Now then is it possible to set the beginning of the Baptist sermon still in the year 15 of the emperor Tiberius, i. e. m the time before Aug. 19, 29 ? The end of this year of the emperor-

during the tropical heat of the Jordan valley John hardly could start begin his preaching in summer. But if we go as for back into spring 29 or fatte autumn 28, great difficulties arise from the fact that the leaption of the hord took place a few months before the first Passover - either on Jan 6 (30) recommended by 97 tradition, or somewhat earlier. For one the duration of John's penitential sermon is extended inseemly; furthermore the date of huke 3:1 would merely determine the beginning of John preaching but not apply to the beginning of the ministry Digitized by the Center for Adventist Record

? of the hord. Yet it surely was the intention of St. huke to fix chronologically the latter and not the former. The way and (expedient ibe: once tried by Scaliger De emendatione temporum 1598, p 562-7] by accepting four years of ministry of the hord (Easter 29-33) must be considered as excludet. . - We do not wish to ascribe to these views decisive conclusiveness. Yet it is to be hoped that a clear answer will be presented to show why the improved supposition of the crownprince era presente greater difficulty than those Digitized by the Center for Advato Research

. the year 33 for the statement W. After having proved that merely the years 30 and 33 come into consideration, it remains to determine, which of the two years is the more likely one has the odds more in its favour, or whether the early dating (30) or the late dating (33) is to preferable. Now this investigation with kerhardt has turned out conspicuously short - The believes to have proved the year 30. [With the crown prince era]. Since the text in hub 3:1, as the main reason for the late date, has been discussed and evaluated above (p.96) the here the remaining Digitized by the Center for Adventist Research

Vaspecto are briefly put together. They prove that rather the year 30 than its sival 33 comes into consideration. // ' First of all it should be noticed that in order to defend the year 33, the threeyear-theory should be presupposed as definitely proved. Yet this is not the case; the view of M. Meinertz (2) [Note 2, p.97: Biblische Zeitschrift 14 (1916/7) 119-39; 236-49; compare F. Jillmann, Joh 2 3. St. ](3) and M.-J. hagrange (3) [note 3, p.97: S. Jean 3 CXXVI-CXXXI; Synopsis Evangelica, p. XVI.-7 to reverse chapter 5 and 6 of the fourth evangelist thus reducing the time to two years, cannot be eliminated with the desired

18/ complete certainty even though the three-year-theory is rather favoured. 2/ Then on the whole it is conceded, that the report in huke 3:23 - Christ at his baptism was about 30 years old - agrees much better with the early dating date. For if we accept the year 7 ar 8. prior to our time (P.98 computation according to the view prevalent today as the probable time of the birth of the Saviour [Note1, p.98: 2 Ruffini, Chronologia 119-124. 138; C. Fonck in "Verleum Domini 7 (1927) 363-72. - It is complete failure, when Bedeus 157-154. 186. transfers the kirth of the hord into the year 12 B.C. his public ministry appearance

I into the year 19 A.D. thus ascribing to him in the year 33 an age of 44 years. ] setting it in winter, - toen although not exactly on Dec. 25 the Saviour on Jan. 6, 27 was romewhat ever 32 or 33 years old, while at the beginning of the year 30 he was already 35 or 36 years old. It rurely must be admitted that this calculation, too, still is compatilale with huke 3:23; the early date, however, corresponds much better with this text. / 3 It should also be conceded that the "Paulinic Chronology" rather recommends the early date. For if we

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"have to set the council of the apostles according to the Gallio - inscription into the year 49 or 50, then the conversion of St Faul - in case we count let pass the 3 years in bal 1:18 and the 14 years in Sal 2:1 as full years counting them in success - falls in the years 32 or 33. Both suppositions are suposid if Christ was crucified only In the year 33. The supposition of Bedens: " Conversion soon after Decembre 26 (!) 33 (the martyrolom of St. Stephen" does not allow sufficient time for the events related in Acts 2-7. In any case an advocate of the late dating must abandon the wording tenor suggesting itself in the two dearsitive and wentigened figure

W reckon ) merely 13-16 years . (instead of Myears) by declamo the years as incomplete or by including the three years in the fourteen. / I One reason advanced by bethardt for the year 30 will be discussed on p 99 and on 5 Finally, one viewpoint repeatedly advanced by Bedeus for in favour of the late date is to be reexamined (p 39-43; 176-182). It is taken from the history of the tetrarch Herodes Antipas. The fact that his father - inlow Arethas IV averged the wrong done to his daughter through the adultery with Herodias not before only in the year 36 in the defeat at bamala (2) certainly Digitized by the Center for M

Wrather recommends the late · dating. [ note 2, p. 98 : Josephus, Ant. 18, 5, 1, n. 113 f. ] But the other by him strongly emphasized view seems insignificant: Antipas was accused to have taken part in the conspiracy of Sejanus (3) [ note 3, p 98: Josephus, Aut. 18,7,2, 2, 250.7 This took place in the year 30 and 31; consequently the tetrarch at that time was in Rome and the adultery committed by him upon return from Rome " falls in these years, i.e. not in the picceding years 27 or 28, as should be figured in the early dating (2). [ Note 'Infitized by the Center for Adventist Research

Van der Ven, p. 38-40. ] -But for two reasons this argument is rather dubious (uncertain): a It is not certain whether the accusation raised against Herodes Antipas was based on trith or represented merchy likel (calumy). The fact that Sejamis was an avoived energy of the Jews (3) [ note 3, p 99: Philo, hegatio ad Gaium 24, 159 f., Cohn-Reiter 6, 185. ] does not speeck for the Truth of this accusation). & At was possible for Antipas could have been allied with Sejanus before and from Palertine, for the latter had been a traitor in earlier years: as early as in

"It year 33 he had poisoned the young Drusus, the son of the emperor. / Still there is to be considered that another point decidedly speaks for the early dating, how much Bedens promotion reject it. Salome, Herodias' daughter in the gospel is always called a "young girl" ("Mt. 14: 11; Mark 6: 22. 28). Now we know that she became the wife of the tetrarch Phillipus (") [note 4, p99: Josephus, Ant. 18, 5, 4, n. 137.7 and that he died already "in the 20th year of Tiberius" (5) [Note 5, p. 99: Ant. 18, 4, 6, n 106. 7 i. e. in the time between Aug 33 to 34. Now in the late dating the

" three events: martyrdom of John, marriage of Herodias, death of Philipp would fall in the time between end of 31 or beginning of 32 until 33/34; thus they were but 1-3 years apart. In this way they are brought too close together. It is not to be assumed that the reigning princess (rovereign) one or two years earlier still was a "young girl". But everything agrees in the early dating, where for the three events a period of from 4-6 years is at des posal (28/29 - 33/34). // In view of these arguments recommending the year Digitized by the Center for Adventist Research

20 phasized by Bedens (Suplements p. 8) are of no significance. To begin with against Apr. 7.30 it is being pointed out that Apr. 7,30 for the Romans was a "dies nefastus", on which proceedings of the court (trials) were avoided 6) [Note 6, p.99: The same & Dittrich p. 402 and R. Hennig p. 112. ] Get first it remains to be proved that the governors of the provinces too were respecting and were able to respect this superstation. Then the calendar (p 100 made up (computed by & Petavius containing the 13 dies nefesti in April () should be reexamined invertigized by the Center for Advantist Research

"I note ', ploo; Pauly, Realen-Zyklopaedie ?, 2, 67.7; none of the texts cited in "Thesaurus linque latinae" contains a detailed statement of the "black days" (bad luck days) (3) [note 2,p'00: "Dies nefastus" - 4,1058,60-2.] [note 3, p100: Compare J. Schaum berger in Biblica 9 (1928) 61 m. ] Still less the year 33 and its April 3 is recommended on account of the lunar eclipse which took place on the day named " [ note 4, ploo: The Oppolzer, " Canon of Eclipses " p. 344 m. 1914. J. Scaliger had pointed p 561) In favour of it are equially Bedeus Desiperated the common advantist Association of

I The report of the synoptics reads of a solar eclipse taking place in the noon hours. As for the rest Besides, at the time of its vising the eclipse was but slight small (2 inches, or merely one sixth of the diameter). P. A last questionable item question concerns the Jewish date of the hord's day of death. The old point of controversy, whether the 14 or 15 Nisan until this day is not quite clear. Van der Ven auf E Dittrich decided for the 14 Misan Bedens is undecided, while the other authors accept the 15 Misan. But Vander Ven too does not pay sufficient attention to the decisive argument: Digitized by the Center for Adventist Research

2) According to the testimony of · St · Irenaeus (5) [ note 5, p 100: Eusebius, HE 5, 24, 16, Pb. 20, 508 A; Schwartz 496. 7 St Polykarp mswervingly defended 14 his an as the day of the Easter festival, "because together with the hord's disciple John and the other apostles he always had observed it (the Easter festival).". By this we have a quite incontestable testimony that the apostle regarded the 14 nisan as the day of the hord's death and consequently that it was the real day of the death. For through the "Existola Apostolorum" Of Note 6, p. 100: 15(26) Feth. = Coptie text, Texts and Unt. 43, 52. ] it is made certain that in Asia Minor about the middle of the second century on the 14 his an the memory of the death of Christe was celebrated: " But you celebrate the commemoration

39 day of my death, that which is the Pascha " (7) [note7, p. 100: Compare C. Schmidt, TU 43, 597-611.7 So the thodically them it is a failure when berhardt derives farreaching consequences from his opinioro of the 15 hisan as the day of death, for instance that the year '33 is out of questions if for no other reason because Friday, April 3, 33 was not the 15. hisan but only the 14 (8) [ note 8, p100: neugebauer, "Tables for artronom. Chronology" 3, XIX s.; Astr. Chron. 1, 81-85. ] // Special reference is made to the attempt of berhardt to prove the date accepted by him, Friday, April 7, 30, on astronomical grounds as the 15 Misan. C. Schoch in a detailed an exact calculation given in () "Biblica" has proved, that according to the conjunction [0 TX (1928) git Seaby the Center for Adventist Research

31/ starting in Jerusalem March 22,30 which at evening 20, 22, the new light was visible not already on the following evening, march 23, but only march 24, and that Consequently March 25 was the 1. Misan, i, e'. April 7 could not be the 15 but merely the 14 hisan This calculation had earlier repeatedly been presented by Fatheringham (2) [ Note 2, p 101 ; Journal of Philol. Studies 29 (1903) 100/18; Journal of Theol. Studies 12 (1910/11) 120/7 and others. ] b. too, joining heugebauer must admit : "Theoretically the new light was not visible March 23 .... " But, according to G., neugebauer adds: "According to the new table of Schoch the moon approaches the theoretical

32/ demanded boarder only up to 0.5. This difference of a lunar semi diameter is so small, that one could say the crescent could be seen under favorable conditions. () [note 3, p. 101: Astron. Machrichten - Nr. 5745/6, p 156. J This rather inexact conclusion, cannot be accepted without further proof. Besides, Gerhardt's proof is an unjustifiable conclusion "a posse ad esse" from a possibility - not yet proved to a reality (fact?). // result, if the all decisive March 23, 30 were only the 28th day of the closing month Adar because the new light preceding this month could not be observed? / But waetly this preceding new light is very Digitized by the Center for Adventist Research

32 significant for our question and deserves special investigation. According to bingel (4) [note 4, plot: Chronologie 2, 548; a correction of 9 minutes according to neugebauer, Astron Chronologie (1,75; 2, 24) does not change alter the result. I the conjunction took place Feb. 21, 12, 24 early at (" II 20, 60"). This is expressed in Jerusalem time Febr. 21, early at 4,45 (36). Now the new light could not possibly be visible the same day at eve (about 18:30 s'clock) - the lowest time intervall, which could be determined is 151/2 hours () [ hote 5, p 101: F. X. Reegler, From Moses to Paul" p. 35. heuge barrer 1, 81: "at the earliest 17 hours"] while here hardly 14 hours have elapsed. All the more sure Diginidashe Cathe Advanientarch light to

34 the next evening, Febr. 22. Accordingly the 1. Adar was on Febr. 23; Febr 28 was the 6. Adar, march 1 the 7. Adar and therefore March 24 was the 30 Adar. Thus So the month p. 102 Nisan must have started p. 102 marsh 25 even though the sky was claudy, and therefore April 7 is the 14 hisan. The possibility that due to cloudiness the new light was invisible on both evenings - Febr 22 as well as march 24 - thus the shifted beginning of the month making the whole calculation impossible; is exempted even by berhardt. / observation was frustrated

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35/ (on account of) by the Weather it was customary to have a 29-day month follow a 30-day month. That is evident from the tracts "Ros has" and "Eruclin"" [Astr. Machrichten, 5149.] here, as often elsewhere, has omitted to precisely quote (cite?) his sources. As is known, it is not the same thing whether Misna or Tosephta is meant or one of the two Talmeds; the latter, as is known, belong to the time, when the jews determined the beginning of the month by (through) with the help of a calculating

36 calendar while in the second and third centuries everything still was settled by deserving of the new light. Furthermore it is certain ( well istablished indis putable that occasionally two (full months of 30 days did follow immediately each other: "The year has at least the full months and at the most eight." (2) [Note 2, p. 102; M. Arachin 2, 2 Surenhusius 5, 195; bingel 2, 42. J. Pentecost normally celebrated on the 6 Sivan, could come also on the 5. or 7 Swan (3) Thotes, p. 102: le. Ros hassana 66 Goldschmidt 3, 304]; the former implies that Misan as well as Jjar each fad (counted) 30 Diarys the Certificatentisticarch fact

3) that the synodic month, i.e. the time from one new moon to the next does not amount to exactly 29 days 12 hours but 29, 53059 days, or 29 days 12 hours 44 minutes 2,9 seconds, requires that occasionally two adjoining months had to have 30 days. P.V. hengebaner was able to point aret Those 5,10 102: Orientalist. Literaturzeitung 32 (1929) 919.7 that among of 100 months determined by calculation reckoning 53 were found to be full months. Considering all the circumstances it follows that the two possibilities : April 7, 30 = 15. Nisan and

38/ April 7, 30 = 14 hisan are as one to hundred. In this connection reference is made to a from which serves O. Gerhardt (6) derives proof for the year 30: "The one who is defending the given two dates for the Friday of the crucifision, the 15 hisan .... and the 14. Misan ...., is finding this double date realized only in the year 30." As is known, in order to solve the a rather simple assumption was suggested: both reckorings were supposed to have been in use in the year of Christ's death,

39 because since the pharisees " started the month his an one day earlier than the Sadduces. hote 1, p 103: So Jechiel hichtenstein in his Hebrew Mt. Commentary (Leipzie 1913, p 122 on.); H. L. Strack has explained (amplified) it in Strack - Billerbeck 2, 812-53. M.-J. hagrange has presented a similar view as early as 1911 in the first edition of the Mk-Commentary (p 339, 360-3). This hypothesis was accepted by J. Schammberger (Billica 9 (1928) 74-77), A. Simón (Praelectiones bibl. 31, 578; 41, 578), J. Voste' (Studia Joannea<sup>2</sup>, p311-3).7 So Showing the effort to avoid (evade) acceptance of an anticipation theory, the possibility of which after all cannot be proved directly historically. /

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40/ Here this is not the place to make an all-round investigat-Ion of this assemption (hypothesis) and especially to examine the possibility that the Pascha festival in the temple at Jen-Salem could be celebrated on two days. Suffice it to mention there But are very abvious objection against this hypothesis may be mentioned here If the day preceding the death of Christ according to the view represented by the Phanisees really was already the 14. Misan but according to the understanding of the Saddurg only the 13 Nisan, then the Savion in case he held Passover on the eve of this day, must have acknowledged the first method of reckoning, for

the legitimate Passover was none other than the 14 nisan. But then, according to his opinion the day of his death was the 15. hisan and his Evangelist John would never have thought to acknowledge any other reckoning and write: "it was the day (19:14) (2) [ hote 2, p 103: Imposible is Simons assumption 3.4 (p. 518): "Jesus et Synoptici Pharisacorum, Da, vero in sua relatione Sadducaeonum agendi ratio nem secutions esset." 7 Still less possible would it have been to fix the 14. hisan in tradition, as we find it in the & tradition of John by (with Polykarp and others (p. 100) 3. Mote 3, p. 103: Supplement.

"Of the works which appeared "during the printing of this report) in "Astronom. nachrichten" V the One of the statements (assertions) made by him has been rejected above an p 100; one more also needs a reputation (releated). According to R Hernig Pilate is supposed to have been deposed in the year 37; consequently his ten years of administration (service) could have begun only in the year 27. Thus it would be impossible according to herke 3:1 to defend the three-year-theory and accept the year 30 as the year of the hord's death. But against this can be said that according to the decisive texts Digitzed by de Center for Adventist Research 18, 4, 3 n

90-95; 5,3 n 123 on) it is completely out of question beside the point to transfer the deposing deposition dismissal removal of Pilate in the year 37. As commonly accepted his time in office rather covered the years 26-36. Therefore an adherent a supporter of the three -year system without difficulty can decide for 30 as the year of the hord's death even though for this same reason he has to abandon the "year of the Semini " 29. Proof for this will be given shortly. 7

Rome, June 1931. U. Holzmeister, S.J. TRANSLATION from GERMAN EB/9-27-40

Karl Manitius: Des Claudius Ptolemäus Handbuch der Astronomie .

Claudius Ptolemaaus Manual for Astronomy.

p. 190: "Now in order to transfer once and for for all the (civil) solar days given for any ehosen intervall -- I mean those figured as "from noon or midnight until again noon or midnight (according to local time) -- we shall determine for the first as well as for the last period of the given intervall of the (civil) solar day in what degree of the ecliptic the sun stands according to the uniform as well as the not uniform ( i.e. the one provided with the anomaly difference) movement."

Translation from French. 1/1 "Revoce des Etudes Juives" Quarterly Publication of the Soc. for Jewish Studies Val. 57 Publ.; Paris, Librarie A. Durlacher, 1909 100.98-100: D. Sidensky, The Origin of the hemar Cycle and the Order of the Embolismic years of the Jewish Calendar. In the lunar cycle of 19 years which is the basis of the Jewish calendar, the embalismic are intercalary in the following order: 3, 6, 8, 11, 14, 17, 19, the order designated in Actrew as follows: """" = """. Modern authors agree that the institution of this lunar cycle was inspired by an identical cycle of Meton (It century BC), Dighted by the Center for Adventist Research

though the order of intercolation adopted by the astronomer of Athens is not the same. As a matter of fact in the Meton cycle the embolismie years are: 3, 5, 8, 11, 14, 16, 17 in Hebrew writing: ""> " ". In his " hote on the Talmud Calender" (Ribbe of S. Cahen, III, hevite, (> 170-193), Terquein states this difference without explaining it. Sclewarz in his work "The Jewish Calendar" (Breslan, 1872, p76) explains this différence as an improvement 2)= with the aim to realize (make real) -) = towards the middle of the century, the concord (harmony) of the solar and lunar years. The theory of this author amounts to this : The cycle of meton is based on the fact that 235 synodic months make 19 tropic years; consequently, the lunar year is shorter than the solar year by 7/19th of a month and at the end of the 8th year the lateness Digitized by the Center for Adventist Research

reaches 18/19 th of a month; now, as . the first moltal precedes the first Tekufa by several hours, the year is made embolismic while at the end of the 5th and the 16th year respectively, the difference (reaches) not more than 16/19 and 17/19 months; consequently, the intercalation of a third month did not take place. // To support his thesis Schwarz quotes a formula invented by Creizenach (Annales, 1840, p. 131) making it possible to know whether a year n of a cycle is embolismic or not. The year is enclotismic when one of mumerical values included in (7n+1) and (7n-6) is divisible by 9 and the quotient simultaneously indicates the number of euclolismic years as from the beginning of the cycle. / Slovinsky in his book "Jessode Haibour" (3rd edition, Warsaw 1888, p.35) quotes the passage of irke d. R. Elieger with regard to the lunar cycle stating that there Digitized by the Center for Adventist Research

is mentioned ""> TK " " instead of the usual "" " TK " " From this he concluded that he stablishment of the Jewish calendar in its definite form is of a later date that this work . // Some more ancient authors have constructed still less tenalele Theories with regard to the ""TTX """ and there is no space to reproduce theme here. As for the rests, the origin of the form adopted has been is shown by Th. Reinach in his article "On the Calendar of the breek of Balylonia" (Revue, Vol. XVIII, p. 90-94) with the help of some several ancient inscriptions in accordance with the system גר"ה אדד"ט. This system does not agree with the order originally indicated by Meton which is precisely the one mentioned by Pirké de R. Eliezer" .

" making the years 5 and 16 embolis-: mic instead of 6 and 17 of the cycle. Well, this is rather logical inas much as the differences with the solar years (attains) at the end of the 5th year (61 months) = 24 days 21 hos, 227 ch. and and the end of the 16 th year, (197 months) = 26 days, 11 hrs 379 ch. or almost a whole month. If a thirteenth month is inserted, the month of hisan of the Sthe year will begin I days 15 hours, 566 ch, and the one of the 16 the year = 3 days, I hour, 414 ch. after the equinox of the spring, and Passah will be celebrated in the month of Abile in accordance with tradition We are of the openion that the form 2 came after the period of establishing the Jewish calenda was established and that in the beginning the form order as indicated by meton was in use which corresponds to the formular #1 mentioned in

6-Sidenter "Pirké de R. Eliezer" As a matter of fact, the date when the Athenian astronomer began his lunar cycle was June 28 (= 13 Scirrophonion) of the year 432 BC, at noon, teven at the moment of the summer solslice. / how, the year 432 BC (4281 of the Julian period) corresponds the the year 3328 of since creation. It is the 3rd year of the 176 cycle reckoned from creation. It was when establishing the era of creation long after the establishment of the calendar, that the primitive formula # 1 was modified by changing it into #2 beginning the cycle with the 17th year of the one of Meton, i. e. by adding to Meton's cycle

Sidenty three years in order to get as " the origin of the system the first year of creation. The dates of the Greek inscriptions mentioned by M. Th. Reinach (l.c.) also agree ( with the formula of # 2 as with the just as well one #1 of Pirké de R.Eliezer. Thus the origin of the formula # 2. is the era of creation taken as the starting point by applying meton's rystem with his order of intercalation of embolismic years in concordance with those of the calendar of the Greek of Babylonia. 11, heither #2 nor the era of creation are found in the Talund literature; they are of more recent date. D. Sidersky.

Concerning The Seventy Hebdomads -- by the Venerable Bede

The seventh form of the week is that which the prophet Daniel uses, indeed, representing the individual weeks by the use of the principle for seven years each, but by a new plan which shortens the years themselves, in fact determining the single years by twelve months of the moon. But not adding the individual embolismic months, by the ancient principle for a third or second year. which are accustomed to increase by an annual eleven days of the epacts, but by making the addition as soon as they arrive at the twelfth number, inserting equally for the whole year. But he [Daniel] does not present this knowledge in envy of the seekers for truth, but by the custom of prophecy in exercising the genius itself of those seeking: preferring at least that the pearls hidden by men be sought out in fruitful labor, than in abundance to be trodden under foot by swine in loathing contempt. But that these things may shine out more openly, let us look at the words themsleves of the angel to the prophet:

Seventy weeks, he says, are shortened upon thy people, and upon thy holy city, that transgression may be finished, and make an end of sins, and that iniquity be destroyed, and everlasting justice be brought in, and the vision and prophecy be fulfilled, and the holy of holies be anointed. There is no doubt but that these words signify the incarnation of Christ, who bore the sins of the world, fulfilled the law and the prophets, was anointed with the oil of gladness before His fellows, and that the seventy distinct weeks, by seven years each, imply 490 years. But it must be noted that these same weeks are not simply the well known or computed weeks, for he asserts shortened: indeed, occultly warning the reader that he may know that years customarily shorter are indicated. Know therefore, he says, and understand, that from the going forth of the discourse [that is, the prophecy] in order that Jerusalem may be built again, there shall be even up to Christ the Prince seven weeks and sixtytwo weeks, and the street and walls shall be built again in a time of distress.

From Ezra's narrative we have learned that when Nehemiah was cupbearer of the king Artaxerxes in the twentieth year of his reign in the month Nisan, he sought from him that the walls of Jerusalem be restored, the temple having been constructed long before by the permission of Cyrus: also that he [Nehemiah] has accomplished the work itslef in a time of distress, having been opposed by the neighboring nations to the extent that the individual builders are said to have fought with one hand, girded with a sword on their loins, and to have built the wall with the other. From this time therefore even to Christ the Prince, seventy weeks are computed, that is, 490 years of twelve lunar months each, which are 475 solar years. [This, of course is an error. G.A.] But if indeed from the afore-mentioned 20th year of king Artaxerxes even to the death 445of Darius, the Persians ruled 116 years; and from thence even to the death of Cleopatra, the Macedonians, 300 years; and then the Romans even to the 17th of Tiberius Caesar held the empire for 59 years; these are all one and the same, as we have said, 475 years. And they are comprised by 25 19-year cycles, for 20 cycles and 5 cycles make 475 years. And since seven embolisms increase each one of the cycles, multiply 25 by 7 and get 175, which are the embolismic months of the 475 years. If therefore you wish to know how many lunar years they can make, divide 175 by 12, equals 12 times 10 and 12 times 4, or 168. They therefore make 14 lunar years and 7 months remain; add these to the 475 written above, and they make at the same time 489 years: even add the extra 7 months and you arrive at a part of the 18th year of the emperor Tiberius, in

which the Lord suffered, and you find that from the appointed time even to His passion were seventy shortened weeks, that 490 lunar years [?]. But to His baptism, when the holy of holies was anointed, the holy spirit descending upon Him as a dove, not only were the 7 weeks and 62 weeks completed, but even the part of the seventieth week was begun.

And after the 62 weeks, he says, Christ is slain, and the people shall not be His that will deny Him. Not immediately after the 62 weeks, but in the end of the seventieth week Christ is killed, which even, as we can conjecture, He separated from the rest, since He would in many ways be related to it. For Christ was both crucified in that week, and was denied by a perfidious people, not only during the passion, but continuously from the time in which He began to be foretold by John. But this follows: And both the city and the sanctuery the people will destroy with the coming of the Prince, and the end of it will be with devastation, and after the end of the war, desolation is appointed: this does not pertain to the seventy weeks, for the prophecy was that the weeks themselves should reach even up to the leadership of Christ, but the Scripture shows by the predicted advent even of the passion itself what also would happen after this to the people who were unwilling to receive Him. For it calls Titus the leader to come, who, in the fortieth year of the Lord's passion, with the Roman people, thus destroyed both the city and the sanctuary that not a stone above a stone remained. But these things having been tasted through anticipation, then the prophecy returns to the explanation of the event of the week which it had laid aside. For the seventieth week confirms the covenant with many. That is, in the last week itself, in which either John the Baptist, or the Lord and the Apostles, converted many to the faith by preaching. And in the middle of the week the sin-offering and the sacrifice cease. The middle of the week was the 15th year of Tiberius Caesar. when from the beginning of the baptism of Christ, the purification of the sacrifices began little by little to be of little value to the faithful.

Likewise this follows: And in the temple will be the abomination of deso-tion lation, and even to the consummation and end desolation will persist: fate looks back to the succeeding times to the truth of which prophecy both the history of the ancients and of our times testifies today. So, laying down the whole testimony of the prophet, we have explained such as our power is in store: since we have known that this is ignored by many readers, and demands a special kind of week. For they are mistaken who think that the Hebrews used such years, for otherwise the whole series of the ancient instrument [the prophecy] totters, and no such age as was written ought to be understood, except to be restricted according to the course of the moon. For indeed we have read that the ancient Greeks, computing the year by 354 days, according to the course of the moon, intercalate in like manner in the eighth year the ninety days which arise, if a fourth part be added eight times with the eleven days of the epacts, in fact, that they were distributed into three months of thirty days each. But that the Jews are never accustomed to insert the thirteenth month of the moon, which we call embolismic, except in the second or third year, just as the best known computation of the fourteenth of the paschal moon shows openly. But certainly it must be known that Africanus thinks that the course of the seventy weeks was completed, which we have deduced according to the Chronicle of Eusebius, to the 17th or 18th year of Tiberius, in which we believe that the Lord suffered; but he, commencing from the same beginning as we, to the 15th year of the same Imperator, in which he believes that He died, and placing the years of the Persian kingdom at 115; of the Macedonians at 300; and of the Romans at 60. But the diligent reader may choose what he has thought is the better to be followed. Venerabilis Bedae, Opera Quae Supersunt, Vol.VI, ch. IX. Ed. Giles. London, 1843.

(may 1939) 1 Traislation from German. "The Exegesis of the Seventy Weeks of Daniel in Ancient Time and the Middle Ages." by Dr. Franz Fraidl Graz, (Austria) 1883. ! Excerpts ! Han and the the 3  $\mathcal{C}$   $\mathcal{C}$ 

I - Jewry in the pre- Clinitian Era. 1. The Alexandrinic Translation. - The oldest attempt to explain our prophecy is found in its oldest translation, the Septuagint. As is known, the Church rejected the Septuagint text of the book of Daniel and used instead the Translation of Theodotion, because the former gives translates the original text too freely contains remarks and gaps so that in some places it rather deserves the manue of a paraphrase instead of a Translation. I Jewry in the first two centuries. p. 23: We have seen so far. that the week prophery before and immediately after thist was much thought of among the Jews because it was invitated much and in defferent ways in the Apocryphas. y Book of Julilees 3/ Assumptio moris" 3 The 4th Book of Erra \* Josephus Flavius Digitized by the Canter for Adver

Ist Stage of Week Proph in Clevistian hiteration 1-26. The first evidences of to the week prophery by Christian writers is found in two papers which originated between the destruction of Jerusalem by Titus and the Hadrian war: chap XVI ratherdark- of The "Epistes of Barnabas" & the "Jestamenta Patriarchamm pre Joan. All. Fabricines: "Codex Preudepigraphus Veteris Jestamente") p. 28. - 6) They applied the prophery to the messions. messias. p. 29. - Some reference to the week Recognitions (ascribed to clemens but written only about 170 Art.) p. 29 - Irenaeus - quotes in his great work "Contra Haereses" a few sentences of Vers 27 applying it to the Autichist p. 30 - Irenaeus teacher of Hippolyt

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figure year weeks and 7+62+1 week. Dr. T. Fraidl: "The Exegeries of the 70 Weeks of Daniel" p. 152 x p. 30: (Clemens Herandinus, Sertulian, Hippolytin, Africance Africanus, Called "the father of Christian Chronology". He said that they 70 weeks must be reckoned until the coming of the messias. 1.46: He counts: 70 weeks = 490 lunar yrs = 475 solar yrs beginning with the 20th yr. of Artaxerxes Longimanus until the death of Christ, 16 yr of Tiberius p. 48: Ol. CCII. 2 = 5532 A.M. = 16th yr. of Tilerius = 30 A.D. " Africanus divides into 7, 62 and 1. p.156 - Death of Clinist at end of last week. Eusebius of Cesarca p. 58 - he refers to four different calculations of the weeks. Jp. 50 - Origenes . Week = decade = 7×10=70ys. 70 weeks = 4900 grs since Adam. Usebius - cont'd p. 65 - Christ ministered 3 1/2 yrs. Eusel. vefers to Joannes John ?) as frag Christs deather Tor Enchanister rainfire

Eusebins - cont'd p. 68 - "he is the first who applied the "one week" to the coming of clinist." of clinst."..... p.68 - "We can justly say that in the exeges is of the week prophecy among the scholars of the crient usebius deserves the greatest merit. "... Without Chronology an exeges is of the week prophery is impossible; now it was the Chronicon of Eusebius which has - thanks to the translation of Hieronymus - common property of the occident so that all expounders of the occident of ancient times and the middle ages have based their interpretations of the week prophery on usebus Chronicon. ple 8 - Chronican Paschale - su foot note 2) [ The Topt of this work which contains the week prophecy & was writt originated in the time of Constantin. See Bucange Fraefatio de auctore Chronici Pas chalis: Migne, ser grenx chesep. 22. ]

tout cont'd. p. 68 The Chronicon Paschale brings nothing new on the calculation of the week proph. but as the whole work represents a couglo meration of different chronologies there are given three different computations on the week proph. i.e. the 2 of Eusebius without naming their author, and the calculation of Africanus. 26. Ephraens p. 70. uses Peschittho text. p. M. "realing" means "fulfilled Vers 26 - refers to crucifixion p.72 -hiscalcul. not known. Probably he followed Eusebius whose computations have found most followers.

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1/ Ar traide Chrypostonus (p. 79) on the whole he followed Africanics (p. 82). His ( claysost ) calculation not very clear. We have but parts of his Daniel-Commentary. (p.83) Hieronymus (p. 83) quotes nine different colculations: Africanus, 3 of Eusebius, Hippolytus, Apollinans, Clemens Alex. , Testullian, and one of the Hebraci. He does not state which of these he accepts. p. 85 - H. chief ment with repard to this prophecy is his translation which gives the original text much more perfect than the Theodotion translation used so far by breek & hatins. note that in the middle ages it was not easy to have access to the original text so that Hieronymus' translation was used for exegesis. Hieronymus also translated the Chronic of Digitized by the Center for Adventist Research

2 Ar Fraide

Eusebius into hatin thus making (this work) available to the occident which in ancient times and the middle ages served as only source for chronology.

35. Hesiphins - p. 85 - cotemporary of Augustin He applies the 70 weeks to until the 2nd coming of Christ but says that still it is impossible to give the exact day or year because the time of the last fac will be "cut short" or shortened. If not for that the week prophecy would give the exact time of Christs second coming.

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