

Table 7D
HYPOTHETICAL CYCLES OF CATASTROPHES - PRE-EXODUS

See the notes below the table before examining the table itself.

Potential Contact		75 = Abs. 2083 , Messiah born = 2 BC							
No.	Event	Abs.	BC	Abs.	BC				
	Creation	0		0	= 3977				
A-01	VENUS THREAT? - contact?, NOAH DISTURBANCE = The Flood *	1656		1656	= 2321	---	*	-----	*
A-02	VENUS THREAT?				1706 = 2271				
A-03	VENUS THREAT? - contact?, PELEG DISTURBANCE = Division of the Land			1756	= 2221	---	###		
	Peleg born	0		1757	= 2220				
A-04	VENUS THREAT?				1806 = 2171				
A-05	VENUS THREAT?				1856 = 2121				
A-06	VENUS THREAT? - contact?, BABEL DISTURBANCE = Tower of Babel destr., language cor				1907 = 2070	---	###		
A-07	VENUS THREAT?				1957 = 2020				
	Peleg died @	239	0	1996	= 1981				
A-08	VENUS THREAT?				2007 = 1970				
	Abraham born	0	12	2008	= 1969				
A-09	VENUS THREAT?				2057 = 1920				
	Promise, Abraham @	75	0	2083	= 1894				
A-10	VENUS THREAT - contact? - ABRAHAM DISTURBANCE = Sod. & Gom. Des	99		2107	= 1870	---	###	-----	###
	Period ^ 50.11				2107 = 1870				
A-11	VENUS THREAT				2158 = 1819				
	Abraham @	175		2183	= 1794				
A-12	VENUS THREAT				2209 = 1769				

Pre-dyn. Per.
Old Kingdom of Egypt

1st Half of Postdiluvian Era
(Ovid's Silver Age)

Egypt in Era e)

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No.	Event	Abs.	BC	Abs.	BC	
A-13	VENUS THREAT			2259	= 1718	
A-14	VENUS THREAT - Contact 1 JOB DISTURBANCE = Job's family destroyed	203		2310	= 1667	--- ###
A-15	VENUS THREAT			2361	= 1616	
A-16	VENUS THREAT			2412	= 1566	
	<i>Moses born</i>	0		2433	= 1544	
A-17	VENUS THREAT			2462	= 1515	
A-18	VENUS CONTACT 2, MOSES DISTURBANCE = Exodus, Moses @ *	80	430	2513	= 1464	--- ### ----- ###
	<i>Messiah born</i>			3975	= 2	

Middle Kingdom of E ξ
 2nd Half of Postdiluvia
 (Ovid's Bronze Age)

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No.	Event	Abs.	BC	Venus			
		Abs.	BC	Abs.	BC		
Notes							
1.	<u>Immanuel Velikovsky</u> maintained that the period from the Flood of Noah to Hezekiah's regnal year 29 was filled with terrestrial cataclysms which were caused by extraterrestrial events involving the heavenly bodies called Mercury, Venus, Mars, Jupiter, and Saturn. The most severe of these events were (a) the Flood of Noah and (b) the cataclysm which terminated the Middle Kingdom of Egypt and precipitated the Exodus of the Jews. Velikovsky maintained that the period between these two events, which I call the Postdiluvian Era, was punctuated by several cosmic catastrophes, which						
A-01	<u>The Flood Catastrophe</u> in the time of Noah - Velikovsky attributed this event to a cosmic encounter. The close approach of Jupiter to Saturn perturbed the latter. It became a nova and exploded. The terrestrial experience of this event commenced with the appearance of a brilliant light which lasted seven days ("the light of the seven days" to which Isaiah referred) and outshone the sun. Then the earth was deluged with clouds of warm and salty water which reached the planet in the company of two comets. The earth was shrouded in darkness, a product of the clouds of moisture arriving from Saturn and the clouds of volcanic debris erupting from the earth.						
A-03	<u>The Division of the Land Catastrophe</u> in the time of Peleg - Velikovsky did not mention this event.						
A-06	<u>The Tower of Babel Catastrophe</u> - Velikovsky attributed this event to another cosmic encounter. Commencing as either a comet or a satellite of Jupiter, Mercury was whisked by Jupiter swiftly past the earth and into its present orbit about the sun. During the close encounter between the earth and Mercury, an electrical discharge (thunderbolt) between the two bodies caused amnesia among whole portions of the terrestrial population. A memory of this event is contained in the Biblical story of the destruction of the Tower of Babel, and the appearance of Mercury during this event is symbolized in the Caduceus of Hermes.						
A-10	<u>The Sodom and Gomorrah Catastrophe</u> in the time of Abraham - Velikovsky attributed (a) this event, (b) the overturning of the plain mentioned in Genesis 19:25, (c) the birth of the Dead Sea, and (d) the Great African Rift (or its greater expansion) to another cosmic encounter. Although the exact nature of this event is unclear, it seems to have included an electrical discharge (thunderbolt) between the earth and Jupiter and to have been accompanied by the deposit on the earth of gold-bearing gravel and brimstone (sulfur - possibly resulting from the fusion of two oxygen atoms in the presence of the electrical discharge).						
A-14	<u>The Job Catastrophe</u> - Velikovsky did not mention this event, although he did cite the references in the Book of Job to "the changes of heaven" and to bringing forth "Mazzaroth in his season," which he regarded as a reference to the return of the comet Venus, the hairy star, every 52 years.						
A-18	<u>The Exodus Catastrophe</u> in the time of Moses - Velikovsky attributed this events to another cosmic encounter. Following the explosion of Saturn,						

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Contact						
No.	Event			Abs.	BC	Venus
				Abs.	BC	Abs.
						BC

Jupiter began accumulating the debris which had been ejected by Saturn throughout the solar system. As a consequence of its continually increasing mass, Jupiter became unstable and broke into two unequal pieces: the larger portion remained in a planetary orbit about the sun and is the Jupiter which we see today; the smaller portion, which we now call Venus, entered into a cometary orbit about the sun which intersected the orbit of the earth. In the middle of the fifteenth century BC, it nearly collided with the earth, and the resulting upheaval terminated the Middle Kingdom of Egypt and precipitated the Exodus of the Jews.

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No.	Event	Abs. BC		Venus	
		Abs.	BC	Abs.	BC

2. Donald W. Patten also maintained that the period from the Flood of Noah to Hezekiah's regnal year 29 was filled with cataclysms, but he differed with Velikovsky concerning the cause of these events, which he believed was Mars exclusively. Patten produced an astronomical model of Mars's movements during this period that (a) produced close encounters between the earth and Mars roughly every 54 years and (b) yielded the following dates (in bold) for

A-01	2321 BC	◀		
A-02	2271 BC	◀		
	? BC	◀ ▶		<u>The Flood Catastrophe</u> in the time of Noah.
	2254 BC			Possible threat
A-03	2221 BC	◀		
A-04	2171 BC	◀		
	2146 BC	◀ ▶		<u>A probable catastrophe</u> was mentioned by Patten, but not identified as the Division of the Land in the time of Peleg.
A-05	2121 BC			
A-06	2070 BC			
	2038 BC			Possible threat
A-07	2020 BC			
A-08	1970 BC			
	1930 BC			<u>The Tower of Babel Catastrophe.</u>
A-09	1920 BC			
	1877 BC	◀ ▶		<u>The Sodom and Gomorrah Catastrophe</u> in the time of Abraham.
A-10	1870 BC	◀		
A-11	1819 BC			
	1771 BC			Possible threat
A-12	1769 BC			
A-13	1718 BC			
A-14	1667 BC	◀		
	1663 BC	◀ ▶		<u>The Job Catastrophe.</u>
A-15	1616 BC			
A-16	1566 BC			
	1555 BC			Possible threat

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		Abs.	BC	Abs.	BC
A-17	1515 BC				
A-18	1464 BC				
	1447 BC				

◀▶ The Exodus Catastrophe in the time of Moses.

3. JH - I find persuasive Velikovsky's explanation for (a) the ancients' obsession with the movements of the planets, (b) the ancients' worship of the planets as deities, and (c) the ancients' stories concerning the origins of and interactions among Mercury, Venus, Mars, Jupiter, and Saturn. I think the disorder in the solar system from c. 2321 BC to 655 BC was far more complex than Patten allows. Nonetheless, Patten's analysis led me to search for a periodicity in the phenomena which are described in the Bible. According to Bible chronology, the dates for (a) the Flood of Noah, (b) the Destruction of Sodom and Gomorrah, and (c) the Exodus of the Jews from Egypt can be identified as (a) 2321 BC, (b) 1870 BC, and (c) 1464 BC respectively. If one assumes a periodicity to these events of roughly 50 years, the period from the Flood of Noah to the Destruction of Sodom and Gomorrah allows for a cycle of 50.11 years, and the period from the Destruction of Sodom and Gomorrah to the Exodus allows for a cycle of 50.75 years - very close to the periodicity of Venus's movements suggested by Velikovsky. Moreover, the resulting cycles suggest a date for the Division of the Land of 2220 BC, the year when Peleg was in his mother's womb, and a date for the catastrophe in Job's time of 1667 BC - both reasonable from a Biblical point of view. I am quick to admit, however, that I have no idea when Venus might have broken away from Jupiter. Perhaps both Mercury and Venus broke away from Jupiter in 1870 BC, with Mercury flying past the earth on its way to its current orbit and Venus entering a cometary orbit.