

Gen. 1: 14-19

SUBJECT: The World of Astronomy

04/50

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Gen. 1: 14-19

THE WORLD OF ASTRONOMY

The ancient models, models of the heavens. Sun god, moon god, Apollo driving his chariot across the sky, Diana in the moonlight.

The oldest of the sciences: the challenge, mystery of the visible heavens attracted the greatest thinkers: Plato, Aristotle, Ptolemy, Copernicus, Kepler, Newton.

- (1) Thales 7<sup>th</sup> c. B.C. philosopher, astronomer, founder of science, maintained the earth a globe
- (2) Hipparchus, 2<sup>nd</sup> c. B.C. astronomer, laid the foundation by charts location of stars, planets
- (3) Ptolemy 2<sup>nd</sup> A.D. made the earth the center, the heavens to turn around it every 24 hrs.
- (4) Copernicus 16<sup>th</sup> c. the sun the center
- (5) Kepler 17<sup>th</sup> c. the laws of planetary motion, Newton 17<sup>th</sup> c. gravitation.

Gen 1: 14

THE FOURTH DAY

וַיִּבְרָא אֱלֹהִים אֶת הַשָּׁמַיִם וְאֶת הָאָרֶץ  
 וְאֶת הַיָּם וְאֶת כָּל הַיְּבֵשֶׁת אֲשֶׁר בַּיָּם  
 וְאֶת כָּל הַיְּבֵשֶׁת אֲשֶׁר בַּיָּם

Gen 1: 16

וַיִּבְרָא אֱלֹהִים אֶת הַשָּׁמַיִם וְאֶת הָאָרֶץ  
 וְאֶת הַיָּם וְאֶת כָּל הַיְּבֵשֶׁת אֲשֶׁר בַּיָּם

(1) The word in 1:16 is not  $\aleph$  but  $\aleph$   
 [  $\aleph$  ] is Heb. for [  $\aleph$  ]

Not a new creation: that is the beginning, "the firmament"  
 world. But  $\aleph$ , the work of our artificer, arranges  
 to make a being with something, something  
 to make ready a mind, purpose & wisdom  
 also - beginning

(2) 1:14, 15, 16 not  $\aleph$  "light", that of first day  
 But  $\aleph$ , "light holders" of G. 2:26 the 7 planets  
 "luminaries"

The planet gladdened with miracle of sunrise sunset  
 in all its visible splendor. The 7th, 8th, 9th, 10th, 11th, 12th, 13th  
 away. The planet showed (like some drawings of the sphere  
 earth) today away. Thus, God's appointed light-holders.

(3) 1:16  $\aleph$  "and the stars" that is, with the  
 sun to make the night.

1:14 "for signs, seasons, days, years..."  
 stars for signs - navigation  
 - bound of Elgin world to "our stars" by the stars

seasons - earth's orbit around the sun, are elliptical, egg-shaped.  
 Had a mandala, mathematically laid down.  
 At 73,000 miles an hour } 2 seconds had every million miles  
 1,110 " a minute } we the long period of winter during light,  
 1,194 " a second } would now be the month of April.  
 "with out a second of midnight for  
 natural eyes."

- Inclination of the earth 23 1/2 degrees  
 the seasons. Winter when we are on the flat side of the ellipse, 3  
 million miles from the sun. Tilted of the earth causes a depletion in the  
 rays of the sun as they reach our atmosphere. The opposite of bottom  
 side of the earth; summer then, they follow toward the sun.

The word of God's handiwork.

Ps. 19:1  $\aleph$   $\aleph$  and One with scholars,  
 his hands the work of

"young world" compared to knitting, creating, tallying, a  
 any sort of young world, need to verify the figures of all months.  
 In an old world but creates the heavens as they then out  
 into space, an extension of his power in creation."

1. The immensity of God's created multiverse.  
 Light travels 186,200 miles a second  
 60 times that a minute } millions of light  
 60 " " an hour } billions of  
 24 " " a day } trillions of  
 365 " " a year } stars.  
 (96,000,000 light years  
 visible universe of 100,000  
 billions of stars)

Our sun - 864,000 miles in diameter  
 of our moon. 240,000 miles from the earth. Also one  
 light in center of sun, many would need a candle  
 in the sun, still have 100,000 miles space of all sides!  
 arms, web of glands, outwards, comets, quills  
 - a small star (sun) of sun created stars (stars).  
 of the sun (star) Vega. Diameter 33,576,000 miles  
 41000. Total 50,000 stars like ours to make our Vega.

Our earth so small even in comparison with other planets  
 of Jupiter, 1320 earths to make an Jupiter  
 28,110 miles diameter.

2. The mystery of God's created universe.

GRAVITY.

The attraction force all particles of matter in the universe has for each other. The larger the body, the larger the attraction power [an object weighing 1 lb. on earth will weigh only 2 1/2 oz. on moon but would weigh 1320 lb on Jupiter] The further away it is, the less that force exerted. This is Newton's law of gravity.

of "tides" caused by the attraction of the moon on the earth there on its axis. The water drawn to that part of the earth nearest the moon.

The sun is so great, why not earth fall in it? (The earth so much larger than moon, why not it fall on us?) Newton's law of motion: bodies continue in uniform motion along a straight line unless compelled to change by applied force. So: Force to pull the earth into the sun, gravity. centrifugal force in equilibrium, so the earth follows its orbit around the sun.

PREPARATION OF BIRTH FOR US.

Mercury, 35,000,000 m. from the sun. 88 days around a torrid planet - 7 times over light heat [110° - 220°] No atmosphere. No water.

Mars, 1,380,000,000 m. from the sun. 164 years around. a frozen planet, less than 1/10 the light, but no water. 300° below zero. No air. No water.

2) we had the orbit of Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto.

9 planets around the sun, many moons, but only one prepared, designed for us. so some say. so some say.

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The re-merual of the earth  
 How long in years? not full. ago.  
 From begin in Gen. 1:3-5

Stratig friends  
 R. C. C. & C. C. C.  
 Geological series

Re-merual  
 K 7 I to create, intercalation, three times 1:1 months  
 1:21 of  
 1:27 year

7 7/7 to re-merual. re-arrange  
 2. furniture made  
 3. cook, cloth  
 4. assembly line

7 7/7 Eden, the with earth "delight"  
 Gen. 2:8 "and he planted Eden" a garden  
 for the man, the man rules  
 RULE 1

The fruit of Eden  
 means no harvest  
 of. Rev. 12:17  
 encompassed the base of the man  
 the deduced for re-merual

II The End.  
 Two Good - A in terrible tribulation  
 : B in tribulation time?

A:  
 1. In being judgment  
 13:10-13  
 22:78  
 23:78  
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 100:78

2. The 10th kind, mission in which we live
- (1) Believers: state of grace, die
- (2) Physical, script: believe in a globe, solid dry, with  
 a world, solid as stone
- (3) Chemist: all matter, nitrogen, oxygen. Most constructed of  
 water, hydrogen, oxygen. 11 kinds  
 : the sun, the earth, the moon. 200,000 miles in space
- (4) The most important  
 II 3:10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20  
 across red sea, solid as stone  
 sun, land, moon, 7 planets
- (5) Distribution of  
 (a) the sun, moon, planets  
 (b) the earth, moon, planets

3. II Peter 3:12 says an image of "Red Sea"  
 why? II Peter 3:13  
 Rev. 21:1, 4  
 The end, the new earth, the new heaven, the new Jerusalem  
 the new Jerusalem  
 the new Jerusalem