

GENESIS ONE & THE ORIGIN OF THE EARTH

Dr. Robert C. Newman
Biblical Seminary
Hatfield, Pennsylvania

SCIENTIFIC DATA TO BE FIT

Sun has most of mass in solar system (ratio 750:1)
Planets have most of angular momentum (200:1)
Planetary orbits nearly circular, in same plane, rotation same as sun's rotation
Sun is large but lightweight for size (1.5 g/cc), so are outer planets (ave 1.5 g/cc)
inner planets small but heavy (ave 5 g/cc), made of non-volatile materials,
sun and outer planets of volatile

PRINCIPAL SCIENTIFIC THEORY OF SOLAR SYSTEM ORIGIN

Planets formed along with sun, from thin, shapeless cloud of gas and dust
As cloud contracted, became dark inside, began to flatten, heats up as it contracts finally
beginning to glow from heat, ionizing gas
Electric charges produce magnetic fields, these wind up, transferring angular momentum,
allowing:
 C center to become rounder (proto-sun)
 C outside to push away as disk (planetary disk)
Dust in disk condenses:
 close-in if made of non-volatile materials
 far-out if volatile materials
 particles collide cold to form planets
Earth's atmosphere and oceans produced:
 from inside planet by out-gassing as earth heats up
 atmosphere oxygenated by plant life

CORRELATION OF GENESIS ONE & SCIENTIFIC THEORY

BIBLICAL MATERIAL	SCIENTIFIC THEORY
In beginning, God created h & e (Gen 1:1) Earth w/o form, void (1:2) Darkness on face of deep Spirit of God moves on waters (1:2)	A beginning, probably the no-bounce big-bang Earth a shapeless, empty gas cloud After some contraction, dark within [Providential oversight, with occasional intervention]
Let there be light (1:3) Light divided from darkness (1:4) Light = day, darkness = night (1:5)	Cloud glows with further contraction Planetary material moves outside glowing cloud Earth condenses from dust; sun & rotation give day-night sequence
Waters burst from womb of earth (Job 38:8-9); firmament appears in midst waters (Gen 1:6)	Earth heated within by radioactivity, driving out water and gases to produce (non-breathable) atmosphere
Division of waters above & below firmament (1:6-7) Gathering of waters, dry land appears (1:9-10)	Presence of atmosphere allows both surface and atmospheric water Continental material develops from sub-oceanic by vulcanism, erosion
Earth brings forth vegetation (1:11-12) Lights appear in sky to mark days, etc., to dominate day & night	Land vegetation appears Photosynthesis by vegetation replaces CO ₂ by oxygen, lowering temperature and clearing atm so sun, etc. visible