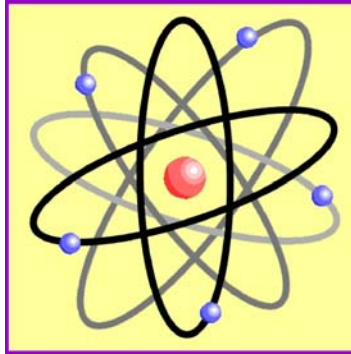
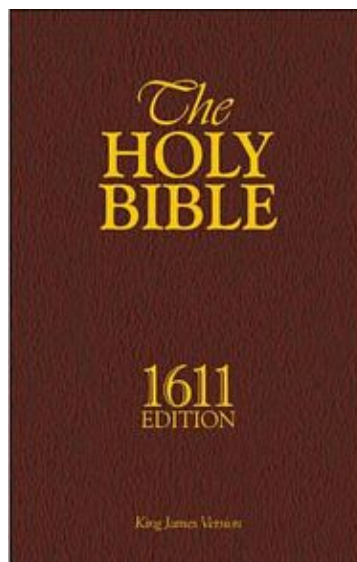


SCIENCE



AND



THE BIBLE

A Compilation of Notes by Dr. Philip Corbin Abundant Life Assembly

SCIENCE AND THE BIBLE

Gen 1:1 – *In the beginning God created the heaven and the earth.* Only recently (within the last 100 years) has science “proved” (the much heralded “big-bang” discovery) that the universe must have had a beginning both in space and time. One of the most basic laws in science, the Law of Conservation of Energy (the first law of thermodynamics), implies the universe could not have created itself. It states that the total energy of a closed system is constant (i.e. energy is neither created nor destroyed) yet there is a phenomenal amount of energy in the closed system of the universe - Einstein’s famous equation $E=mc^2$ means basically that in the tiniest amount of matter there is tremendous energy bound up (it was this equation and this discovery in fact that led to the atom bomb). Therefore all the phenomenal amount of energy in the universe could not have simply come from nothing, it had to have come from an outside source - our awesome Creator God.

Gen 1:2 *And the earth was without form, and void; and darkness was upon the face of the deep. And the Spirit of God moved upon the face of the waters.*

This and other scriptures (Gen 1:6-7,9; Psalm 148:4 and 2 Peter 3:5) show that water was the raw material used by God in creation. Based on this, in 1983 Dr. Russell Humphreys developed a theory re the creation of planetary magnetic fields, and correctly predicted the strengths of the magnetic fields of Uranus and Neptune in advance of their measurements by the Voyager spacecraft; in contrast the corresponding predictions of evolutionists were off by several orders of magnitude. For further details, check:

http://www.creationresearch.org/crsq/articles/21/21_3/21_3.html

Gen 1:3 *And God said, Let there be light: and there was light.* Light's creation indicates (by Einstein's general relativity theory) that God created our time/space continuum, and dwells outside of time.

Gen 1:14-15 - *And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for signs, and for seasons, and for days, and years: And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for signs, and for seasons, and for days, and years: and it was so.*

A serious objection to Genesis 1 is the apparent age of the stars, based on current measuring techniques re their distance from us and the apparent limitation on the speed of light reaching us from them. Several explanations for this have been put forward by Christians over the last century, e.g. (1) the “Gap Theory” - that there is a big time gap between Genesis 1:1 and 1:2, during which time the angels were created and Lucifer fell; (2) The Camping Theory, which proposes that the universe is only a few light years across and that current methods of measuring it are in error, (3) the “mature” or “created-in-transit” hypothesis that the universe was created to look old; (4) the Moon-Spencer theories (Parry Moon and Domina Spencer were two brilliant professors in the area of electromagnetism, married, the husband has since died) - (a) light travels in circles, not straight lines, so that most of the stars seen (10 to the 26th power by latest calculations!) are just a repetition of much fewer stars within a small universe; (b) based on the idea that the geometry of the universe is non-Euclidean, light can take a shortcut in its path to reach us; (5) the decay in the speed of light theory – perhaps light was created to travel at infinite or near-infinite speed..

Perhaps the most promising theory to date was proposed recently by Dr. Russell Humphreys in his book *Starlight and Time, solving the puzzle of distant starlight in a young universe*. It is based on Einstein's theory of General Relativity (**GR**), generally regarded as the most important theory in Physics developed in the last century, and supported to date by all experimental observations and tests. **GR**'s key postulate is that the speed of light c is invariant even to an observer whose speed relative to it varies; and it gave a new understanding of gravity, space, time, and energy.

Humphrey's theory is as follows. As **GR** shows, gravity can affect both light and time, e.g. a clock on the earth's surface ticks at a different rate to one at a higher altitude, and a mass can deflect that path of a light ray passing close by. Taken to extremes, in a so-called "black hole", a very high gravitational field can stop light from escaping its pull, and at the edge (the "event horizon") of such a hole time stands still relative to an observer outside the hole. The opposite of such a black hole is a "white hole" that matter is forced to escape from; since we know the universe either is or has been expanding, we can theorise that it expanded from a white hole. Hence it is possible that a clock on day 4 of creation would read a day at the earth's surface, but millions of years in the cosmos. Hence Adam would look up in the sky when created on day 6 and see the stars.

Humphrey's theory is based on 3 assumptions:

(1) **The universe is bounded and not infinite.** This is based on Psalm 147:4 which says God (not man!) can count the number of stars.

(2) **Earth is at, or near, the center of the universe.** This is supported by the modern discoveries that there is roughly the same density of stars around us wherever we look, and also by the cosmic uniform microwave radiation we witness. In 1988, Professor Stephen Hawking of Cambridge University, England, generally acknowledged as the most brilliant physicist of our day since Einstein, wrote a book which was on the New York Times bestseller list for 100 weeks, entitled: "A brief history of time". He relates (p.41) how in 1965 two American physicists at the Bell Telephone Laboratory in New Jersey, namely Arno Penzias and Robert Wilson, discovered background microwave radiation in the universe which is the same no matter which direction you point your receiver to. For their discovery, Penzias and Wilson were awarded the Nobel prize in Physics in 1978. The background radiation we observe is the same day and night all year round, even though the earth is rotating on its axis and orbiting around the sun. To quote Hawking: *"This shows that the radiation must come from beyond the Solar System, and even from beyond the galaxy, as otherwise it would vary as the movement of the Earth pointed the detector in different directions. In fact, we know that the radiation must have travelled to us across most of the observable universe, and since it appears to be the same in different directions, the universe must also be the same in every direction, if only on a large scale. We now know that whichever direction we look, this noise never varies by more in one part in ten thousand..."* Hawking comments (A Brief History of Time p.42): *"Now at first sight, all this evidence that the universe looks the same whichever direction we look in might seem to suggest there is something special about our place in the universe. In particular, it might seem that if we observe all other galaxies to be moving away from us, then we must be at the center of the universe. There is, however, an alternate explanation: the universe might look the same in every direction as seen from any other galaxy, too...We have no scientific evidence for, or against, this assumption. We believe it only on grounds of modesty: it would be most remarkable if the universe looked the same in every direction around us, but not around other points in the universe!"*

(3) The universe underwent an expansion away from earth at some time in the past. This is supported by modern scientific cosmological discoveries, and by several verses in the Bible which indicate that the universe was expanded (or is being expanded) by God, speaking of God spreading out or stretching out the heavens (**Job 9:8, 37:18; Psalms 104:2; Isaiah 40:22, 42:5, 44:24, 45:12, 51:13; Jer 10:12, 51:15; Zech 12:1**).

Gen 1:16-18 And God made two great lights; the greater light to rule the day, and the lesser light to rule the night: he made the stars also. And God set them in the firmament of the heaven to give light upon the earth, And to rule over the day and over the night, and to divide the light from the darkness: and God saw that it was good.

God created the sun to shed light on the earth during the day, and the moon to shed light on the earth at night. In this regard, although the moon is 400 times smaller in diameter than the sun, the sun is 400 times further away, and this means that viewed from the earth the two heavenly bodies appear to be the same size. Hence we sometimes see total, rather than partial, eclipses of the sun. This matching of the two key sources of light is clear and powerful circumstantial scientific evidence for a Creator.

Gen 1: 11-12, 20-21, 24-25 - And God said, Let the earth bring forth grass, the herb yielding seed, and the fruit tree yielding fruit after his kind, whose seed is in itself, upon the earth: and it was so. And the earth brought forth grass, and herb yielding seed after his kind, and the tree yielding fruit, whose seed was in itself, after his kind: and God saw that it was good...And God created great whales, and every living creature that moveth, which the waters brought forth abundantly, after their kind, and every winged fowl after his kind: and God saw that it was good....And God said, Let the earth bring forth the living creature after his kind, cattle, and creeping thing, and beast of the earth after his kind: and it was so. And God made the beast of the earth after his kind, and cattle after their kind, and every thing that creepeth upon the earth after his kind: and God saw that it was good.

Only microevolution (within species) is observed today, as opposed to macroevolution (new species), in line with God's stated law here of reproduction of creatures being only "after their kind". The fossil record supports this fact. There is a sudden, from nowhere, appearance of advanced and diverse fossilised lifeforms in the so-called Cambrian period. Different species are then observed to become extinct, not increase in number. There is a lack of transitional fossils, e.g. fossils to show how spineless invertebrates (creatures with "hard parts on the outside" without a backbone) evolved into fish; or how fish evolved into amphibians (land-walking creatures) and then to reptiles and mammals - there are no fossils with part fins and part feet. Also, the science of taxonomy shows a lack of intermediates between the major divisions of living creatures. If all organisms had a common ancestor, there would be a continuity between them rather than clear-cut gaps. Also, irreducibly complex systems, or symbiotic systems, where lifeforms or systems mutually depend on each other for existence, cannot have evolved, yet abound in creation. E.g. DNA and RNA are required to produce protein enzymes, but protein enzymes are required to produce DNA and RNA. Man has been unable to recreate life in a test-tube. Cells are too complex to have originated from a chance arrangement of chemicals. The simplest cell contains several thousand different kinds of proteins, and many billions of each kind of protein; plus DNA, RNA and other complex molecules. Finally, mutations do not create higher genetic information, only a corruption, invariably bad, of existing genetic code.

Gen 1:31 *And God saw every thing that he had made, and, behold, it was very good. And the evening and the morning were the sixth day.* All man's organs formerly classified as "vestigial" have at least one useful function we now know of. E.g. the appendix sometimes becomes swollen, and it was noticed that people can survive if it is removed; it was therefore labeled useless. We now know it plays a role in antibody production, protects our intestines from infection, and lessens the chances of a person getting leukemia, Hodgkin's disease, cancer of the colon and cancer of the ovaries. Similarly, tonsils, organs in the throat, protect us from infections.

Gen 4:20-22 - *And Adah bare Jabal: he was the father of such as dwell in tents, and of such as have cattle. And his brother's name was Jubal: he was the father of all such as handle the harp and organ. And Zillah, she also bare Tubalcain, an instructor of every artificer in brass and iron: and the sister of Tubalcain was Naamah.* The Genesis record shows that man has decayed both in lifespan and ability.

Genesis 7:11-12: *In the six hundredth year of Noah's life, in the second month, the seventeenth day of the month, the same day were all the fountains of the great deep broken up, and the windows of heaven were opened. And the rain was upon the earth forty days and forty nights.* **2 Peter 3:5-7:** *Knowing this first, that there shall come in the last days scoffers, walking after their own lusts, And saying, Where is the promise of his coming? for since the fathers fell asleep, all things continue as they were from the beginning of the creation. For this they willingly are ignorant of, that by the word of God the heavens were of old, and the earth standing out of the water and in the water: Whereby the world that then was, being overflowed with water, perished: But the heavens and the earth, which are now, by the same word are kept in store, reserved unto fire against the day of judgment and perdition of ungodly men.*

Scoffers deny the Biblical account of Noah's flood or try to "water it down" to a minor affair local to the Middle-East. However, if the flood was local, (1) God could have told Noah to migrate instead of spending many years building an ark; (2) God would not have had to send animals to the Ark to escape death, for there would have been other animals to reproduce; (3) the Ark would not have been so huge (it was as big as a modern ocean liner); (4) birds would not have been sent on board; (5) waters would not have risen to 15 cubits (8 meters) above the mountains; (6) people outside its vicinity would have escaped God's judgment on sin, (8) the words of Christ would be meaningless when He likened the coming judgment of all men to the judgment of 'all' men (Matt 24:37-39) in the days of Noah, as well as Peter's words that only 8 souls were spared at the time (1 Peter 3:20 – Noah, his wife, his three sons and wives); (7) God would have repeatedly broken His promise never to send such a flood again because we witness local floods today. A world-wide Flood has the backing of sense, science, scripture and Our Saviour.

Mount Everest has marine fossils at its peak. Fossils of sea life are at the tops of all the major mountain ranges. The fossil record indicates that fossils were laid down rapidly in Noah's flood. Fossils *must* be buried rapidly or else the animal or plant's shape won't be preserved. We have several evidences for catastrophism in the geologic column, e.g. massive fossil deposits, geological layers whose boundaries are marked by little erosion or signs of plant or animal life, and great volcanic eruptions, unmatched by anything known today. Points to note: the seas today cover 71% of the earth's surface, and were the earth's surface smooth, would cover it completely to a distance of 1.7 miles. Also, even today 70% or more of what comes out of volcanoes is water, often in the form of steam, evidence for the fountains of the great deep of Gen 7:11.

Before Noah, scripture indicates that there was no rainfall (Gen 2:5-6), although there were rivers (Gen 2:10-14), presumably from a subterranean source - the fountains of the great deep (Gen 7:11). Atmospheric water was in a vapour state; Gen 1:6-9 implies the presence of a great body of invisible water vapour above the lower atmosphere - the protective blanket of a water canopy. There is enough water in the present oceans to cover the earth to a depth of 1.7 miles with no mountains, so a flatter pre-Noah earth coupled with a condensing water canopy (producing rain for the first time) together with the "breaking up" (Gen 7:11) of hidden "fountains of the deep" would account for the sudden appearance of flood waters covering the earth. A water canopy would also produce a "greenhouse effect" - a uniformly warm tropical worldwide climate; no winds or storms as presently arise from temperature differences; the earth would truly have been created "very good" (Gen 1:31). As Gen 2:5 indicates, evening cooling and condensation would result in daily mists that would keep the earth humid and provide moisture to sustain life. The fossil record shows that there was once a uniform worldwide warm climate, and all animals & plants in the fossils could have lived simultaneously in the Pre-flood world, and been buried contemporaneously.

No volcanoes, major mountains, glaciers, or polar ice existed before the flood. Much of the earth's water would have been under the earth's crust, so the earth's surface would have had much less water it has today. Preflood earth had forests which were vast and lush, enough to form today's coal, oil, and methane deposits. Everything was "very good" as stated in Genesis 1:31.

Present day weather systems are admittedly insufficient for the 40 day rainfall of Noah's flood. One theory (the water canopy theory) is that Gen 1:6-9 (and Ps 148:1-6) indicates God initially created earth with a water canopy above it, causing a global uniform temperature greenhouse effect (Gen 8:22 indicates "seasons" are post-flood phenomena) - explaining the known presence of coral reefs, coal beds, and fossilised tropical animals in arctic regions. Residual water vapour high up in the atmosphere supports this theory. A similar canopy (acidic) presently governs the atmospheric conditions of Venus, with its uniform high planet wide temperature. The highlighted post-flood rainbow (cf. Gen 9 - rainbows need water droplets > 0.38 mm for formation) and Gen 2:6, suggests pre-flood Earth was watered by fine mists. If a water canopy dissolved as rain during the flood, the increased visibility of the sun / stars afterwards could account for their increased worship (cf. the tower of Babel, Gen 11). Resultant weather changes would account for the Ice Age. Gen 7:11 indicates vast underground reservoirs of water were released during the flood - this could explain the Mid-Atlantic rift, the movement of the continental tectonic plates, the recent formation of high mountain ranges (assuming Pre-Noah earth was relatively flat), and the worldwide deposition of marine fossil deposits on top of earth's mountain ranges.

Circumstantial evidence in favour of some kind of water canopy is that such a canopy would have increased atmosphere pressures and created much larger creatures (as the fossil record shows re many different creatures) and greater longevity. Pre-flood atmospheric conditions (mineral-rich soil, radiation-blocking water canopy) were longevity-conducive for giant pre-flood creatures/plants. Re men in pre-flood times, Genesis 6:4 notes that "***there were giants on the earth in those days...***" Lab tests have shown that bacteria life spans increase ten-fold with increased atmospheric pressure; perhaps this is what happened with plants and animals also. Re the dinosaurs, it is known that reptiles have the potential of growing throughout their lifetimes; they probably lived long, and kept growing, in pre-flood conditions. Pre-flood, nourished by sea minerals, may have been far more disease resistant, healthier, and nourishing - which could explain why Gen 9:3 indicates God changed man's post-flood diet to non-vegetarian.

However a collapsing water canopy by itself would not have accounted for all the water which covered the earth; it is believed that if it had, its original thickness would have caused pre-flood earth to be too warm. It is far more likely that a thin water canopy existed and that, as Genesis records, water came both from above and under the earth.

There is universal evidence of previously higher water levels in all the rivers and lakes of the world - possibly reflecting the post-Flood period of heavy run-off as mountains were being formed and the ocean basins opened up to receive the floodwaters drainage (c.f. Psalm 104:6-9). All earth's deserts were well watered in the recent past. The deep canyons and extensive alluvial fills in the world's valleys could not have been formed by the present small rivers trickling through them. The climatic changes caused by the Flood would also explain the Ice Age that followed, which may only have lasted a few hundred years, not millions of years...

Man's pre-Noah longevity (supported, like the flood, and the increased sun-visibility theory, by many ancient non-Biblical writings) also points to an altered post flood world. In nature (eg. electrical circuits) a shift in equilibrium status of a closed system creates exponential change from old to new levels. Adam lived 930 years; Noah 950 (600 pre-flood); "Methuselah" (which means "after he dies, judgment") 969 years, dying in the year of the flood. Man's expected life span then decayed exponentially with time (Gen 5 & 11) to the present 70 yrs average, max. maximum 120 yrs level (cf. Gen 6:3, Psalm 90:10).

Documented scientific reasons for believing in a young (i.e. < 10,000 yrs old) earth/universe include the measured rates of change for: the earth's atmospheric helium, magnetic field, and rate of rotation, its meteoritic dust deposits, population, river deltas, oil/gas deposits, stalactites & stalagmites, topsoil, coral reefs, peat bogs, chemical effluents from rivers to oceans, moon rocks, the moon's recession, comets, solar system dust, the escape of high velocity stars from clusters, and the rate at which the sun is strinking. (In his book "The Biblical Basis for Modern Science" (Baker, 1985, pp 477-80), Dr. Henry Morris lists over sixty worldwide processes that indicate an age for the earth/universe of far less than the billions of years demanded by evolutionists; check also the websites listed in this document.) Meanwhile, if antediluvian ecological factors (e.g. a water canopy) hindered the rate of radioactive decay associated with long-age dating techniques, all flood-age fossils would appear by these techniques, as they do, to have virtually infinite age. This would account for several discoveries of both human and dinosaur fossil evidence in the same geologic stratum, and explain why in Arizona & Rhodesia ancient dinosaur pictographs have been found drawn on canyon and cave walls. The Flood catastrophe scenario also explains the large-scale catastrophic burial of animals found worldwide, food still intact in stomachs in some cases - animals/plants fossilise only if buried quickly and deeply.

Genesis 8:1-4 - And God remembered Noah, and every living thing, and all the cattle that was with him in the ark: and God made a wind to pass over the earth, and the waters assuaged; The fountains also of the deep and the windows of heaven were stopped, and the rain from heaven was restrained; And the waters returned from off the earth continually: and after the end of the hundred and fifty days the waters were abated. And the ark rested in the seventh month, on the seventeenth day of the month, upon the mountains of Ararat. Reported repeated sightings over the last 2 centuries place Noah's ark (said to be broken in two or three pieces) with its tough gopher wood, huge capacity, and sea-worthiness (tank tests on a scale model have shown it virtually uncapsizeable), ice-buried on Mt. Ararat, on its north-east corner (in glacier regions roughly 15,000 ft. up) by the Ahora Gorge canyon.

It is of interest that Armenia became officially the world's first Christian nation in 301 AD, and religious Armenians believe the Ark angel-guarded until near the return of Christ. One good reference for the above is the book and the video "The amazing discovery of Noah's Ark". Practically every ancient nation and tribe in the world has its own flood story, many similar to the Biblical account - testimony to its actual occurrence; 35 of these are examined at <http://www.nwcreation.net/noahlegends.html>

Perhaps, in our generation, melt-back of the ice on Mount Ararat (which occurs every few decades) in conjunction with improved resolution satellite imagery will enable Noah's Ark to be viewed by all near the mountain's peak (the peak is always covered with ice, up to 300 feet deep, and this may have preserved the ark). Ancient historians report its presence there and since 1850 there have been over 40 reported eyewitness accounts of sightings of the ark there. For a summary of the post 1850 sightings, check:

<http://www.noahsarksearch.com/Eyewitnesses.htm>

For the more credible of these eyewitness accounts of the ark, check:

<http://www.creationscience.com/onlinebook/EarthSciences2.html>

Gen 17:12 - *And he that is eight days old shall be circumcised among you...* We only now know, from modern medicine, that circumcision reduces the risk of cervical cancer in women (circumcised males are healthier sexual partners), and that the 8th day from birth, as God instructed Abraham, is literally the very best day for circumcision. Vitamin K, an important blood-clotting agent, reaches its normal concentration only in the 5th to 7th day of a baby's life. Prothombin, another important blood-clotting agent, is only at 90% concentration when a baby is born; it then decreases for 4 days to about 40% of normal, and on the 8th day it is 110 % of normal and then decreases again to normal levels. On the 8th day a baby is more prepared for circumcision surgery than on any other day of its life.

Gen 22:17 – *That in blessing I will bless thee, and in multiplying I will multiply thy seed as the stars of the heaven, and as the sand which is upon the sea shore, and thy seed shall possess the gate of his enemies.* **Jer 33:22 - *As the host of heaven cannot be numbered, neither the sand of the sea measured: so will I multiply the seed of David my servant, and the Levites that minister unto me.*** With the naked eye only a few thousand stars can be counted. Only with modern telescopes do we now know that the number of stars (always rising with each revision!) exceeds 10 to the 26th power. **NB: I Cor 15:41 - *There is one glory of the sun, and another glory of the moon, and another glory of the stars: for one star differeth from another star in glory.*** As modern astronomers have confirmed, the stars do differ from one another in glory – they have divided them into 7 spectral classes according to their brightness and temperature.

The laws of Moses re sanitation and hygiene were over 3 millennia in advance of their time; e.g.: **Lev 13:46** - quarantine periods, **Lev 11:35** - the danger of infection from dead animals, **Lev 15:13** washing in running water **Lev 4:11-12, Deut 23:12-13** - burial / incineration of waste. **Medicine only caught up here in the 19th century – e.g. until then doctors were not washing their hands before treating patients, resulting in numerous deaths.**

Lev 17:11 *For the life of the flesh is in the blood: and I have given it to you upon the altar to make an atonement for your souls: for it is the blood that maketh an atonement for the soul.* William Harvey only discovered blood circulation, with its importance to life (carrier of oxygen, water and food to the body's cells), in 1616 AD.

Joshua 10:12-13 Joshua's Long Day (as well as Hezekiah's long day in 2 Kings 20:9-11) cannot at present be explained by science (as to how God did it), but ancient records in Greece, Egypt, and China all speak of a "long day" around the time that Joshua lived.

If Job is Jobab, "father Job" of Genesis 10:29, as some speculate, then the book of Job was written as far back as 2000 BC; it contains many statements in advance of science:

Job 26:7 *"He stretcheth out the north over the empty place and hangeth the earth upon nothing."* Scientists only now know there is indeed a mysterious vast expanse in the northern heavens without a star, where even the most powerful and largest telescopes can find nothing, just a blank, completely empty place in the sky in one spot in the north. Also, until the days of Galileo and Newton, when gravitational science was born, it was not known that the earth could float free in space. People saw that dropped objects fell towards the earth and reasoned the entire earth must have the same tendency to fall down, unless it was resting upon something. The Hindus believed that the earth rested on the backs of four elephants, and the elephants on the back of a giant turtle. The Greeks believed the earth rested on the shoulders of the giant called Atlas. Others thought the world was flat and supported by pillars.

Job 28:24-26 **For he looketh to the ends of the earth, and seeth under the whole heaven; To make the weight for the winds; and he weigheth the waters by measure. When he made a decree for the rain, and a way for the lightning of the thunder;** That air has weight was only discovered by Galileo in 1630 A.D; and meteorologists have only discovered in the last century that wind patterns are governed by their weight, and that the relative weights of the wind and water greatly determine the weather patterns.

Job 36:27-28: *"For He maketh small the drops of water: they pour down rain according to the vapour thereof: which the clouds do drop and distill upon man abundantly."* For thousands of years, men noted the contrast between the salt water of the ocean and the fresh water which falls as rain, but did not realize that this salt water of the ocean was the source of the fresh rainwater. Men in the past did not know that clouds are mainly water vapour, they believed that thunder was the noise of clouds colliding in the sky. The Bible revealed that rain is distilled water from the ocean, which has lost its salt by the process of distillation, in advance of science (confirmed also in Ecclesiastes 1:7).

Job 37:18 - Hast thou with him spread out the sky, which is strong, and as a molten looking glass? Einstein's theory of relativity showed the existence of an "ether" in interstellar space is not necessary for the propagation of light, but nevertheless it may yet exist, as this verse seems to indicate.

Job 38:4 - Where wast thou when I laid the foundations of the earth? declare, if thou hast understanding. Etched within Earth's foundations, the "pre-Cambrian" Granite rocks, are beautiful microspheres of coloration ("halos") produced by the radioactive decay of polonium, which is known to have only a fleeting existence. Dr. Robert V. Gentry claims that a speck of polonium in molten rock can be compared to an Alka-Seltzer dropped into a glass of water, and the beginning of effervescence equated to the moment that polonium atoms began to emit radioactive particles. Only if the water were instantly frozen would the bubbles would be preserved. Likewise, since polonium halos are embedded in granites around the world, they offer evidence that God quickly formed granite. In contrast evolutionists claim granite formed as hot magma slowly cooled over millions of years. Check <http://www.halos.com/book/index.htm> - the online edition of

Creation's Tiny Mystery, the book by Dr. Robert V. Gentry on the short-lived polonium halo formation found in earth's oldest rocks – One can download also *The Young Age of the Earth*, a 76 minute VHS/DVD video by Dr. Robert V. Gentry and his son, David, or *Fingerprints of Creation*, a 33 minute VHS/DVD video re the polonium halos.

Job 38:12-14, God asks, "*Hast thou commanded the morning since thy days: and caused the dayspring to know his place; that it might take hold of the ends of the earth? it turns itself, as clay of a seal.*" One possible translation of this is: "Have you held onto the ends of the earth's axis, while it turned itself? This was over 3,500 years before science discovered the earth's rotation on its north pole to south pole axis.

Job 38:19 -*Where is the way where light dwelleth and as for darkness, where is the place thereof.* Note scripture did not say "the place" which would imply that light is stationary, but "the way". The fact that light moves is only a recent discovery.

Job 38:25 - God asks: *Who hath divided a watercourse for the overflowing of waters, or a way for the lightning of thunder...* Only within the last 30 years have high-speed movie cameras shown that before the lightning-bolt can strike, there is first a small pilot discharge which prepares the air for the real lightning-bolt to follow, by ionizing the air so it becomes a conductor of electricity. There is first something to "divide a way" for the lightning.

Job 38:31 - God asks Job: "*canst thou bind the sweet influences of Pleiades, or loose the bands of Orion?*" The original word for Pleiades (the "seven sisters" stars) is, in Chaldean, Chimah, or in Hebrew Kimah, meaning "pivot" or "hinge". The Pleiades are the "7 Sisters" stars and the Hebrew word for Pleiades is kee-maw, which also means pivot or hinge. The astronomer Bradley discovered (1748) that our solar system pivots around the brightest of those 7 stars (Alcyone), which indeed has a "sweet influence" upon us. Our sun is more than three billion miles distant from Alcyone, yet the influence of the *Pleiades* swings our solar system around it at the rate of more than 150 million miles a year, or at the rate of one rotation every 200 million years.

Job 40:15-19: *Behold now behemoth, which I made with thee; he eateth grass as an ox. Lo now, his strength is in his loins, and his force is in the navel of his belly. He moveth his tail like a cedar: the sinews of his stones are wrapped together. His bones are as strong pieces of brass: his bones are like bars of iron.* The Bible mentions two huge animals that might have been dinosaurs. One is Behemoth whose a tail is compared to a cedar tree. It appears that these creatures died out, along with most of the larger animals and plants, after the flood of Noah, and so this passage in Job was strange to modern man until fossil excavations.

Job 41:1 *Canst thou draw out leviathan with an hook? or his tongue with a cord which thou lettest down?* This second mysterious creature in Job, named Leviathan, is described in detail in Job 41 and mentioned also in Isaiah 27:1, Psalm 74:13-14, and Psalm 104:26. It was likely a kind of Plesiosaur, a sea-living dinosaur. In Gen 1:21, the phrase "great whales" may also be translated "sea monsters." Psalm 74:13-14 shows Leviathan co-existed with man and indicates that God himself was responsible for its extinction (or near-extinction), presumably after Noah's flood. For further details and a possible modern day capture (1977, near New Zealand) of one of the descendants of this creature, check websites: <http://timana.tripod.com/Research/Leviathan.html>
<http://www.answersingenesis.org/creation/v19/i4/seamonsters.asp>

Psalm 8:6-8: *Thou madest him to have dominion over the works of thy hands; thou has put all things under his feet. All sheep and oxen, yea, and the beasts of the field; The fowl of the air, and the fish of the sea, and whatsoever passeth through the paths of the seas.* It is now known that there are indeed “paths of the seas” such as the Gulfstream.

Psalm 19:1: *The heavens declare the glory of God; and the firmament sheweth his handiwork.* Our Earth shows great evidence of design. If there was a variation of just 10 % in the size of the earth, life as we know it on earth would be impossible. If it did not have an ozone layer to block the ultraviolet rays of the sun, if there was a variation of just 2% in its distance from the sun, or no magnetic field, or a different composition of its gases, i.e. significantly more or less oxygen or significantly more or less carbon dioxide, or a different tilt of its axis, or if, unlike the other planets in our solar system, it did not revolve around the sun in a near perfect circle, and if it did not spin on its axis, or was rotating significantly faster or slower, there would be no life as we know it on earth. It has been calculated from these and other features that the odds of a planet like earth forming by chance to support life is 1 in 10 to the 42nd power (1 followed by 42 zeros).

Psalm 102:25-27 - *"Of old hast Thou laid the foundation of the earth: and the heavens are the work of thy hands. They shall perish, but Thou shalt endure: yea, all of them shall wax old like a garment; as a vesture shalt thou change them, and they shall be changed: But Thou art the same, and Thy years shall have no end."* The Law of Entropy (the second law in thermodynamics) says in essence that in any closed system things run down – that energy in a system can be changed from one form to another, but becomes less useable each time. No exception to this law of thermodynamics has ever been found. It indicates that everything is tending towards a state of disorder from order, and hence that the universe must have had a beginning. Psalm 102:25-27 reflects the fact that the universe is indeed growing old and deteriorating, well in advance of that discovery by science. Scripture also states that one day God will create new heavens and a new earth which will last forever.

Prov 17:22 - *A merry heart doeth good like a medicine: but a broken spirit drieth the bones.* The now-medically proven benefits of laughter have only been scientifically confirmed over the last 50 years – studies have shown that it *Reduces Stress* (people with a good sense of humor tend to be less stressed-out, anxious and depressed), *increases Oxygenation and Circulation* (laughter causes a temporary increase in heart rate and blood pressure which aids in the delivery of oxygen and nutrients to the body, and relaxes tense muscles), *boosts the Immune System* (helps the body produce new immune cells faster which help fight-off illnesses), *reduces pain* (when you laugh, your brain releases endorphins - the body's natural pain killers).

Ecclesiastes 1:6-7 (c.1000BC): *"The wind goeth toward the south and turneth about unto the north; it whirleth about continually, and the wind returneth again according to his circuits. All the rivers run into the sea: yet the sea is not full; unto the place from whence the rivers come thither they return again.* Only in modern times have we discovered this is true: winds "whirl about continually', rotating in huge circles in a clockwise direction in the southern hemisphere, and counter-clockwise in the northern hemisphere. The Jet Streams high above the earth also behave likewise – this was only discovered after the second world war when men could fly at that height. Yet three millennia ago, the Bible told us (1) that the winds rotate in great circles, and (2) that the water of the rivers, although fresh water, actually originated in the salt water of the oceans.

Isa 40:21-22 (c. 700 BC) - "*Have ye not known? Have ye not heard? Hath it not been told you from the beginning? Have ye not understood from the foundation of the earth? It is He that sitteth upon the circle of the earth.*" The Hebrew word for "circle" here (khug) also has the meaning of "sphericity" or "roundness". The words of Christ in Luke 17:31-36 re His Second Coming in both the day/night also imply the earth is round. Plato, Aristotle, etc. thought the earth was flat. Today we know the earth is almost exactly spherical in shape, and when seen from any direction its outline is a circle, but even up to the time of Columbus, those who believed that the earth was round were few in number.

The New Testament

Science and the Prophecies of Christ - Jesus fulfilled over 300 prophecies in the Old Testament; these prophecies, and their New Testament fulfillments, are listed at website: <http://www.thewhyman.jesusanswers.com/custom3.html>. Professor Peter Stoner, a mathematician in California, showed that the odds of Jesus fulfilling just 48 of the prophecies was one in 10^{180} (one followed by 180 zeros). The odds of Jesus fulfilling all are virtually zero. These prophecies, as well as the eyewitness testimonies of His glory, are the scientific reason why we may put our trust in Him (2 Peter 1:16-21).

Science and the Crucifixion - The following are extracts from a transcription of a talk given by Keith Maxwell, a medical doctor in Asheville, N.C.

“Hemathidrosis is a very rare medical phenomenon that's been reported about twelve to fourteen times in world medical literature and is only seen in people who are under tremendous stress and agony. In hemathidrosis, a person actually exudes blood from every sweat gland in their body. Each sweat gland has a small capillary that surrounds it, and in hemathidrosis, that small capillary ruptures. As it bursts, a person actually bleeds into their sweat glands. Instead of perspiring sweat, if you will, they actually perspire blood. The Bible gives an excellent description of this phenomenon, saying that the Lord's sweat became as great drops of blood. Indeed, every pore of Jesus' body oozed and drained blood.

Let's talk about the scourging. Scourging was such a horrible torture that Roman citizens were forbade to be scourged - only slaves and traders could be scourged. It was one of the worst punishments the Romans had to inflict on a human body. Typically, the victim was stripped completely naked and tied by his wrists to a post or wall with his back exposed. He was then whipped from the back of his arms, down his shoulders and back, across his bare buttocks, down the back of his legs and calves, all the way down to his heels by two Roman legionnaires, one on either side, alternating blows...So with one lash, one swing of the whip, a total of nine lacerations could be inflicted on the victim, each laceration two inches long and three quarters to one inch deep. With one blow, one Roman legionnaire could inflict enough wounds to take one hundred eighty stitches to close. If you multiply that times thirty-nine, those two Roman legionnaires inflicted enough lacerations to take about 2,000 stitches to close...

During Jesus' trials and humiliation we also know that a crown of thorns was plaited and placed on His head. In Christ's case, this was done to mock Him as being King of the Jews. Some of you have been to Israel and have seen these thorns. They're about an inch and one half to two inches long, and they're as sharp as an ice pick. The custom was to take a small three or four foot long reed and slap the thorns on top of the head of the

victim in order to drive the thorns into the skull. Those thorns laid upon someone's head and then tapped down with a reed were hard enough to penetrate the outer table or the outer bone of the skull. Imagine the bleeding from three or four hundred puncture wounds in the scalp and around the forehead from these thorns...So, before Jesus' crucifixion even began, His face has been beaten to a pulp, no doubt His eyes were swollen shut, His nose is bloodied, and I remind you that every pore in His skin has wept and oozed blood.. Every visible surface on the good Lord Jesus, I am confident, was covered and caked with dried blood. And His back and His arms and His buttocks and the back of His legs were literally torn to shreds from the scourging. This was the shape Jesus was in before they gave Him His cross to head out to Calvary."

Let's talk now about Jesus hanging on the cross. When hanging by their arms, as a crucifixion victim's body weight sags down, their diaphragm functions like a billows. As the diaphragm drops into the abdomen it pulls in air, so someone hanging on the cross had no difficulty whatsoever pulling air into their lungs. The tough part for people hanging on the cross was breathing out. In order for a crucifixion victim to exhale, they would have to pull up against the spikes with their hands, and push up against the spikes with their feet....That's why I want to remind you just how precious Jesus' words from the cross were. That's why he couldn't say more than three or four words at a time. Because when you talk, you only talk as you breathe out, not as you breathe in. Every word Jesus spoke on the cross was spoken as he was pulling up against the nails and dragging His back across the cross. That's why what the Lord tells us - what He spoke from the cross - is very precious to me, because I know what it cost Him and how badly it hurt Him...Every time I give this talk it reminds me how He died for us and just how every word hurt and how he suffered just to give us every word. What did He say? He said, "Behold your son." And then He said, "Behold your mother." Jesus knew He had just about finished His job and done everything that He'd come into this world to fulfill and do. Finally, when He had done all of that, He said, "It is finished." And when He said "It is finished", that's the last time He pulled up with His hands and pushed up with His feet, dragging His back across the cross as He hung there naked before the city of Jerusalem in total shame and humiliation. Convicted and tortured and condemned for something of which He was not guilty.

Crucifracture is what they would do when they simply grew tired of watching this agony and suffering or when they had something better to do and wanted to end a crucifixion. They would take a spear and swing it like a ball bat and hit the victim in the shins to break his shin bones. They'd break the tibia and the fibula bone. Many times they would have to beat the legs for five or ten minutes until they finally could break the shin bones - it takes a lot of force to break your shin bone. With the shin bone broken, the victim could no longer push up to breathe. Why didn't they break Jesus' legs? If you go back to the Psalms - I believe the 34th chapter - it says "Not a bone of his body shall be broken." This is why Jesus' nose and jaws and cheekbones should have been broken but couldn't have been. The 34th chapter of Psalms wouldn't let that take place. And that's why the Roman centurion didn't break His legs, because the Bible says "Not a bone of his body shall be broken." That was totally uncharacteristic of the crucifixion, because that's how crucifixion victims died. When they grew tired of you and got bored with the situation they'd break your legs and in about four to six minutes you'd smother to death, because you could no longer push up with your legs. You lay there sagging, unable to breathe out, and you were asphyxiated in about four to six minutes. That's how the two thieves died. But Jesus was dead already.

Let's go back to the 19th chapter of John. What happened? What did they do when they went to the first thief? The Roman centurion broke his legs. What did he do when he went to the second thief? He broke his legs. But when the centurion went to Jesus, the Bible says He was dead already... "The spear wound to the Lord's side was not the cause of His death either. When the centurion saw that Jesus was dead already, he thrust a spear into Jesus' side. The Bible says in Zachariah that they may look upon him whom they've pierced. The spear thrust was biblical prophecy fulfilled. That was one of the reasons why Jesus was already dead - God had a plan that we were to look upon the one they had pierced - Zachariah had to be fulfilled.

Roman centurions were trained killers. They were taught how to deliver death blows that would take a man's life in a matter of seconds. I've taken care of many gunshot victims to the chest. A person can take a .22 through the left side of the heart and likely come in sitting up talking to you. However, if you're stabbed or shot on the right side of the heart, where the inferior and superior vena cava are emptying into the right side of the heart, you're unconscious and pretty close to dead in about twenty to thirty seconds... This blow to Jesus was no doubt delivered from the right side through the right lung into the heart and on into the spine. It would have penetrated somewhere between the seventh and eighth intercostal space probably on the right. But the Bible says that blood and water came out of Jesus' side after the spear was thrust in. Now if you take a unit of blood, drain it out of a human being's body, put it in a quart jar and set it on top of a desk, in about thirty minutes the red blood cells begin to settle out and the plasma rises to the top. The plasma separates from the red blood cells. When the soldier thrust the spear into the Lord's side, Jesus had already been dead for thirty or forty-five minutes. So what took the Lord's life? No man did. No man, no Roman centurion, no cross took Jesus' life. He was able to do something I've never seen another human being do - He laid down His life. When it was finished and with a loud voice, He gave up the ghost. Jesus gave His life."

Mark 10:6 *But from the beginning of the creation God made them male and female.* Two points to notice. First, if man evolved from apes, this does away with Adam and Eve, the fall of man and his need for a Saviour. Second, the words of Jesus imply that the earth is only as old as Adam and Eve, i.e. young. Why then do radiometric methods give an old age for the rocks?

Twenty years ago earth scientists believed that it took millions of years for oil to form and they also believed that all such oil formation and basins originated from organic material deposits. However, a good grade of crude oil can now be made in an afternoon in the laboratory from both organic and inorganic material. They have also developed similar techniques to make industrial grade diamonds. Science at one time considered the process would take eons of time. Many precious stones, i.e., rubies, emeralds, and sapphires are being made by these methods.

The vast time-spans necessary to "justify" belief in evolution are based mainly on 3 "radiometric dating" methods - uranium/lead, potassium/argon, and rubidium/strontium. The theory goes that a "parent" element decays into its "daughter" element at a known (slow) rate, so that the two found together in a mineral in a rock gives its age. By these modern radiometric dating methods, the earth is supposed to be nearly 5 billion years old, but these methods are based on 3 **assumptions**: (1) a constant rate of decay, (2) an isolated system in which no parent or daughter element can be added or lost, and (3) a known amount of the daughter element present initially.

There are at least 4 reasons why these assumptions may be invalid:

1. God may have created the universe with an "old" appearance – i.e. initially created rocks with both parent and daughter elements, so measuring those elements is of no value in determining their age.

2. The effects of Noah's Worldwide flood. In nearly every case tested, dates from recent lava flows have come back excessively large. One example is the rocks from the Kaupulehu Flow, Hualalai Volcano in Hawaii which was known to have erupted in 1800-1801. These rocks were dated by a variety of different methods. Of 12 dates reported the youngest was 140 million years and the oldest was 2.96 billion years. The dates average 1.41 billion years. Geologists explain the huge discrepancy by the lava being cooled rapidly in deep ocean water and not being able to get rid of its enclosed argon. However, that is precisely what happened to rocks during Noah's flood.

K-Ar dates of the Atlantic Ocean bottom increase from zero at the mid-Atlantic ridge to about 150 million years at the edges. This is taken as proof that the continents began separating about 150 million years ago. However, this can be explained by assuming that argon rises to the top of the magma, so magma deeper down looks younger. The magma deeper down would have come to the surface later, and thus would be nearer to the mid-Atlantic ridge. Or if the continents split quickly, the observed pattern of dates could be explained by a decreasing concentration of Ar40 in the water. Also, the lava would have cooled rapidly under a lot of water, and retained its argon, making it look old.

3. A decreasing speed of light may have caused the atomic clocks for the rate of decay to be running far faster in the past. This theory was first proposed by Paul Steidl in 1979 in his book *The Earth, the Stars, and the Bible*, and popularized (among Christians) in the 1980's by Barry Setterfield *The Atomic Constants, Light, and Time*, by Trevor Norman and Barry Setterfield, C. 1987. Based on data on over 163 measurements of the speed of light using 16 different methods over 300 years, the theory proposes that the speed of light c has been greatly decaying with time so that a "day" in the past (as measured by one rotation of the earth) would be the equivalent of millions of years as measured by the atomic clock which is dependent on c and governs radiometric dating. To quote from website <http://www.setterfield.org/> :

"time is measured by two different clocks, and they run at different speeds. Our calendar clock is a measure of 'orbital' or 'dynamical' time. It measures the days and months and years by the earth's rotation, and the orbit of the moon around the earth and the earth around the sun. This measurement of time depends on gravity. It is the measure of time man is told to make in Genesis 1:14 by God. It is quite steady.

The other way to measure time is atomically - or the speed at which atomic processes take place. This clock has actually been measured at moving at a speed different from orbital time. In other words, when radiometric dating declares a rock to be a million years old, that does not mean the earth has orbited the sun a million times since the rock was formed. It means that IF atomic processes have always been the same THEN the earth would have been orbiting the sun a million times."

Setterfield claims : *“When the correction of atomic dates is made using the redshift/lightspeed curve... we find that both the majority of atomic dating is right in terms of atomic years, and that the Bible is also correct in terms of this being a very young creation.”*

A decay in c would accord with the laws of thermodynamics which show the universe is running down, and has some statistical evidence to support it re the measured values of the speed of light over the last 350 years. However, its critics judged this evidence as very inconclusive especially given the fact that old methods of measuring the speed of light were not as accurate as those used today.

Interest in this theory was boosted in August 2002, when a team of Australian scientists (led by Professor Paul Davies of Macquarie University, Sydney) revealed new evidence, this time from astronomy, that c may have been slowing down over time. Also, since 1993 University of Toronto Physics Professor John W. Moffat has also been pushing the view that c was much higher when the universe began, and changing at sudden brief intervals over time. He believes this would explain (through improved internal information exchange via higher speed gravitational waves) how the universe has maintained its remarkable cosmic uniformity in energy radiation and mass density distribution as it has expanded. Moffat also thinks a past higher c would obviate the present theoretical need for “dark matter” (invisible stuff, its existence yet unproven, which scientists believe accounts for over 90% of the matter of the universe, and invoke to explain anomalies in the motion of the stars on the fringes of galaxies). Meanwhile, John D. Barrow, research Professor of Mathematical Sciences, Cambridge University, UK, has recently (1999) speculated that c has been steadily decreasing in proportion to the rate of expansion of the universe.

If c has been slowing, the universe would not be billions of years old as GR indicates (based on the long length of time it would light to reach us from distant stars if c is constant), but only a few thousand years old. It would explain the large body of scientific evidence that exists supporting the concept of a young earth and universe, and also explain the old-age results obtained by radiometric dating procedures.

Another, more remote possibility, is that light rays are not only bent in their path by gravitational fields (as **GR** predicted, with subsequent experimental verification), but slowed down by such fields, so that the c we observe in our Milky Way galaxy is much higher in the void of outer space.

4. The decay of the earth’s magnetic field is strong evidence for a young earth. The earth is like a giant magnet with a magnetic field which, according to measurements taken since 1835, is decaying at the rate of 5% per century. When projected backward to the point where the magnetic field would be too strong for life, we find that this only projects back about 10,000 years. Evolutionists respond that the field declines but is periodically regenerated but currently, there is no evidence for this, and it would seem to be in violation of the second law of thermodynamics. As the magnetic field gets weaker it allows in harmful cosmic rays with the result that there is an increase in mutations and cancers, probably one of the reasons people do not live as long today as they did before the Flood when the field was much stronger. At the current rate of decay the magnetic field will be completely gone in a few thousand years. Not only is the magnetic field decaying, but it has also changed directions several times in the Earth's past, these reversals probably happening during the time of the Genesis Flood.

The main point to bear in mind is that the ideas of evolution, and the dating methods that are used to justify the long ages necessary for it to even have the tiniest chance of being true, are based upon uniformitarianism, the idea that all processes observed today have remained the same over millions of years and have occurred gradually, whereas the observed evidence is all the contrary.

Rms 1:20 For the invisible things of him from the creation of the world are clearly seen, being understood by the things that are made, even his eternal power and Godhead; so that they are without excuse...

The late Arthur Ernest Wilder-Smith was a distinguished chemist and lecturer who held 3 doctorates (Ph.D. in physical organic chemistry at University of Reading, England (1941) / Dr.es.Sc. in pharmacological sciences from Eidgenossische Technische Hochschule (Swiss Federal Institute of Technology) in Zurich / D.Sc. in pharmacological sciences from University of Geneva (1964)). He was a Fellow of the Royal Institute of Chemistry and held Professorships at numerous institutions including: University of Illinois Medical School Center (Visiting Full Professor of Pharmacology, 1959-61, where he received 3 "Golden apple" awards for the best course of lectures), University of Geneva School of Medicine, University of Bergen (Norway) School of Medicine, Hacettepe University (Ankara, Turkey) Medical School. He was the Former Director of Research for a Swiss pharmaceutical company and the author or co-author of over 70 scientific publications and more than 30 books published in 17 languages, as well as a NATO three-star general. Here are two memorable quotes from him:

"The Evolutionary model says that it is not necessary to assume the existence of anything, besides matter and energy, to produce life. That proposition is unscientific. We know perfectly well that if you leave matter to itself, it does not organize itself - in spite of all the efforts in recent years to prove that it does."

"I am filled with wonder as I look at nature, to see how God technically did it and realized the beauty of His own soul in doing it. The Scripture teaches perfectly plainly, and it fits in with my science perfectly well, that the one who did called Himself THE LOGOS. That Logos was Jesus. Jesus called Himself the Creator who made everything - 'for Him and by Him'. Now, if that is the case, then I am very happy and filled with joy that He made the Creation so beautiful and that He also valued me enough to die for me, to become my Redeemer as well." (Arthur E Wilder-Smith, Ph.D.,D.Sc.,Dr.es.Sc., The Natural Sciences Know Nothing of Evolution (Santee, California: Master Books, p.154).

CONCLUSIONS

Science, over the centuries, has struggled to catch up with the Bible in many areas – physics, medicine, archaeology, cosmology, and geology, and has yet to fully catch up with the scriptures. Keep an eye on the RATE project started in 1997 by ICR, which hopes to shed light on the radiometric dating issue. Also, perhaps evidence will mount that the speed of light has been decreasing down through the centuries which is the theory I suspect best explains the apparent old age of rocks by today's backwards extrapolated radiometric dating. Such a discovery would ultimately reconcile old-earth and young-earth Christians behind a young earth, which I personally believe the overall scientific evidence, and scripture, supports.

An excellent and fairly unbiased summary of the various positions (evolutionists; Christian young-earth, and Christian old-earth proponents) is found at: <http://www.fni.com/cim/briefing/age.html>)

Memorable anti-evolution Quotes by prominent scientists may be found at:

<http://www.2christ.org/quotes/>

<http://www.fishdontwalk.com/articles/evolution08.html>

Re the radiometric rock-dating issues, I recommend study of the following websites:

<http://www.jp dawson.com/splitegen.html> -

<http://www.cs.unc.edu/~plaisted/ce/dating.html>

<http://www.christiananswers.net/q-aig/aig-c007.html>

Concerning Barry Setterfield's ideas re a diminishing speed of light c and earth's early history:

<http://www.setterfield.org/earlyhist.html>

Concerning the intense ongoing debate over whether c is really slowing down:

http://www.worldnetdaily.com/news/article.asp?ARTICLE_ID=39733

A good website for the general theory of tectonic plates:

<http://www.crystalinks.com/tectonicplates.html>

Websites for "The Catastrophic Plates Tectonics theory" re Noah's Flood:

<http://www.icr.org/research/as/platetectonics.html>

<http://www.creationinthecrossfire.com/Articles/CatastrophicPlates2.html>

This theory pictures rapid movement of the plates, with "plumes of hot magma" rising at fractures rapidly to the earth's surface and into the ocean basins, jettisoning steam into the atmosphere, intensifying global rain and warming the ocean, which would drive a subsequent ice age. Theorises that continued outpouring of magma filled ocean basins, causing the sea level to rise and completely flood the continents, and that as new crust cooled, it became denser than the continental crust, and sank down, producing deeper ocean basins which allowed the Flood waters to recede off the continents.

Website for "The Hydroplate theory":

<http://www.creationscience.com/onlinebook/HydroplateOverview2.html>

This theory takes catastrophic plates tectonics theory a stage further, based on Gen 7:11, by claiming vast regions of water existed a few miles below the earth's surface which were spewed high into the atmosphere through a splitting in the seams of the earth (the Mid-Atlantic rift, etc). Contains an online edition of the book *In the Beginning: Compelling Evidence for Creation and the Flood*, by Dr. Walter Brown.

Other Christian websites well worth checking include:

<http://www.icr.org/> - Institute for Creation Research (ICR), USA.

<http://www.reasons.org/> - The Reasons To Believe Website

<http://www.casca.ca/> - The Canadian Scientific and Christian Affiliation (CSCA).

<http://www.asa3.org/> - The American Scientific Affiliation (ASA) – similar to CSCA

<http://www.cis.org.uk/> - Christians in Science (UK organization).

<http://www.creationism.org> – Good general information site

<http://www.answersingenesis.org> - Excellent apologetics site.

<http://creationists.org> - Good general site, easy clear reading.

<http://www.sixdaycreation.com> - good general information site
<http://www.halos.com> - Dr. Gentry's site re granite's polonium halos supporting creation.
<http://www.cryingvoice.com> - re a young earth/universe & God's design.
<http://www.rae.org> - "Revolution Against Evolution" website; good links.
<http://www.geocentricity.com/> - argues earth is the universe's center.
<http://zim.com/gjlane/science.htm> (Many links)
<http://www.ldolphin.org/URLres.shtml> (Many links)
<http://www.creationscience.com> – has an excellent online book

For some of the main indicators that the earth is young, check:

<http://www.eadshome.com/Geochronometers.htm>

http://www.biblicaldiscipleship.org/Creation_vs_Evolution/youngearth.htm

I also highly recommend the following easy-to-read books:

(A) **Reasonable Faith, The Scientific Case for Christianity**, by Dr. Jay L. Wile (117pages), 1998 Apologia Educational Ministries.

(B) **Creation, Remarkable Evidence of God's Design**, by Grant R. Jeffrey, 2003 Frontier Research Publications (282 pages)

The following is a partial list of Creation-science organizations and addresses:

- **Institute for Creation Research**, P.O. Box 2667, El Cajon, California 92021, U.S.A. - www.icr.org
- **Creation Research Society**, P.O. Box 969, Ashland, Ohio 44805-0969, U.S.A. E-mail: wolfrom@aol.com
- **Geoscience Research Institute**, Loma Linda University, Loma Linda, California 92350, U.S.A.
- **Access Research Network**, P.O. Box 38069, Colorado Springs, Colorado 80937-8069, U.S.A.
- **Answers in Genesis**, Australia (formerly Creation Science Foundation), P.O. Box 6302, Acacia Ridge DC, Queensland 4110, AUSTRALIA.
- **Answers in Genesis**, P.O. Box 6330, Florence, Kentucky 41022-9937, U.S.A. - www.AnswersInGenesis.org
- **Creation Science Association**, P.O. Box 821, Station A, Scarborough, Ontario M1K 5C8, CANADA.
- **Creation Magazine UK, Ltd.**, P.O. Box 770, Highworth, Wiltshire SN6 7TU, UNITED KINGDOM.
- **Korea Association for Creation Research**, Olympian Building, Room 811, 196-7 Jamilbou-dorg, Songpua-Ku, Seoul, SOUTH KOREA.
- **Bible and Science of Japan**, c/o Dr. Masami Usami, 1-4-41 Kamimito, Mito-Shi, Ibaraki-Ken 310, JAPAN.
- **Christian Center for Science and Apologetics**, ul. Gogolia 33-8, Simferopol, 95011, Crimea, UKRAINE - <http://west.crimea.com/~creation/>

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Dr. Philip Corbin B.Sc. M.Sc. Ph.D April 2005

Appendix 1 - Past & Present Bible-believing Scientists

Modern science started to flourish in largely Christian Europe, when it was acknowledged that an orderly universe, with laws, makes sense if designed by an orderly Creator. **Sir Isaac Newton** (1642-1727), one of the greatest scientists of all time, founded the laws of mechanics and made many important discoveries in Physics. **Together with Newton, Copernicus, Galileo, Tycho, Kepler, and others, the key cosmological pioneers of the scientific revolution, were all devout men.**

Other famous past Bible-believing scientists include: **Michael Faraday** (1791-1867), pioneer, experimental electricity and magnetism, and who has been called the greatest experimental scientist of all time; **James Clerk Maxwell** (1831-1879), who developed the famous Maxwell equations for electromagnetic waves (such as radio waves) before such waves were even discovered; **Lord Kelvin** (William Thompson, 1824-1907) – a British Physicist who made important contributions to thermodynamics and geophysics; **Robert Boyle** (1627-1691, one of the fathers of modern Chemistry), **George Washington Carver** (1864-1943, Black Agricultural chemist); **Louis Pasteur** (1822-1895), developed the germ theory of disease; **The Wright Brothers (Orville & Wilbur)**; **Samuel Morse, Crawford Long** (discoverer of anesthesia), **Galileo Galilei, John Dalton** (1766-1844) – developed the theory of atoms; **Carl Linnaeus** (1707-1778, Swedish botanist), **Josiah Willard Gibbs** (1839-1903) – applied mathematician; **Sir Humphrey Davy** (1778-1829) – chemist, inventor of the safety lamp used in mines; **Blaise Pascal** (1623-1642) – brilliant theoretical mathematician; **Sir John Ambrose Fleming** (1849-1945) – gifted electrical & electronic engineer; **Andre-Marie Ampere** (1775-1836) – mathematician and physicist; **Jean Henri Fabre** (1823-1915, entomology), **George Gabriel Stokes** (1813-1903) – mathematical Physicist; **Gregor Mendel** (1822-1884) – developed the theories of heredity; **Edward William Morley** (1838-1923, Chemist); **Roger Bacon** (1214-1292) – optics.

The Institute of Creation Research (icr.org) lists on its website about 120 scientists associated with the organisation on their website with doctorates (Ph.D degrees) in their fields.. The Answers In Genesis website (answersingenesis.org) similarly lists about 160 scientists, all with doctorates in science-related fields, including 36 Professors. There are over 600 voting scientists of the Creation Research Society (voting membership requires at least an earned master's degree in a recognized area of science). Also, 150 Ph.D. scientists and 300 other scientists with masters degrees in science or engineering are members of the Korea Association of Creation Research. For other groups, check <http://www.creationism.org/topbar/linksI18L.htm>.

Well known modern Bible-believing scientists include **Henry M. Morris**, Ph.D. Hydraulic Engineering - Founder and President Emeritus of The Institute of Creation Research (ICR) – U of Minnesota; his son **John Morris**, Ph.D. Geological Engineering, University of Oklahoma, current ICR President; **Duane Gish**, Ph.D. Biochemistry (ICR Vice President); **John R. Baumgardner**, Ph.D. Geophysics and Space Physics, UCLA, world's pre-eminent expert in the design of computer models for geophysical convection; **Russell Humphreys**, Ph.D. Physics (ICR) – Louisiana State University; **Raymond V. Damadian**, M.D., inventor of the MRI (Magnetic Resonance Imaging), **Dr. Robert V. Gentry** - a nuclear physicist, **Ian G. Macreadie**, Ph.D. Molecular Biology, Monash University, Australia; **Prof Henry F. "Fritz" Schaefer**, a foremost theoretical chemist of our day; **William Phillips**, co-recipient of the 1997 Nobel Prize in Physics; and **Francis Collins**, current director of the U.S. Human Genome Project.

Sir Isaac Newton (1642-1727) - professor of mathematics at Cambridge, worked both in mathematics and optics. Demonstrated white light is composed of light of all colours in the spectrum. Built the world's first reflecting telescope, and published (1687) his "Principia Mathematica", outlining the three laws of motion and his law of universal gravitation. First scientist ever knighted by British royalty (Queen Anne in 1703). Sir Isaac Newton was not only one of the greatest scientists of all time, but a Christian, and his published theological works rivaled his scientific labours.

Newton once designed of a scale model of our solar system, which a skilled craftsman then built. In the center a large brass ball represented the sun; revolving around it were smaller balls attached to spokes of different lengths, which represented the planets (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune in their proper order; Pluto, yet undiscovered, was missing). When a crank was turned, all moved, via gears, correctly in their orbits. One day Newton was in his study reading when an atheist scientific friend came to visit. His friend recognized the model's meaning, and cranked it, studying it closely. **"How wonderful!" the man exclaimed. "Who made it?"**

"Nobody!" Newton answered without looking up from his book. His friend said, "You must not have heard me. I asked, 'Who made this wonderful model?'" Newton asserted: "Nobody made it! Those balls and gears just appeared and put themselves together!" His friend, now upset, said, "You must think I'm a fool! Of course somebody made this! He's a genius, and I'd like to meet him!" **Newton replied: "Now isn't it amazing. I tell you that nobody made this simple toy, and you don't believe me. Yet you gaze at the intricate design of the solar system and dare to say that no one made it." His friend became a believer.**

George Washington Carver (1864-1943) was an agricultural chemist considered the world's top authority on peanuts, sweet potatoes and their products. Born a slave in the southern part of the United States, he worked his way through college in the north, then returned to the south to devote his life to improving the quality of southern farm lands and the economic prosperity of his people. He developed more than 300 products from the peanut and more than 115 from the sweet potato, which were largely responsible for saving the southern part of the United States from economic disaster. Carver was also a sincere and humble Christian, never hesitating to confess his faith in the God of the Bible and attributing all his success and ability to God. In 1939, Carver was awarded the Roosevelt medal, with the following citation: "To a scientist humbly seeking the guidance of God and a liberator to men of the white race as well as the black."

Early in Carver's career as an agricultural chemist, he asked the Lord to show him the secrets of the universe. God responded that man's brain was much too small to comprehend the secrets of the universe, but if Carver would humbly seek Him, He would show him the secrets of one of His smallest creations, the peanut. So Carver got up at 4:00 a.m. every morning and prayed; in these early morning meetings that God gave Carver continual breakthroughs in his research. Near the end of his illustrious career, Carver gladly acknowledged that it was not his intellectual capacity that gave him such success, but rather his relationship with his heavenly Father, the Creator of the universe.

APPENDIX 2 - MATHEMATICS AND THE BIBLE

"The Bible Code" refers to contemporary controversial discoveries by leading Jewish mathematicians, Israel, of apparently coded information found to date only in the original Hebrew text (the Textus Receptus) of the Old Testament. The Jews have long suspected that such a code exists, and computer analysis indicates that it is not due to chance; evidence to this effect has been published in a leading peer-reviewed mathematics journal, i.e. in the paper "*Equidistant Letter Sequences in the book of Genesis*", by Doron Witztum, Eliyahu Rips (Mathematics Professor, Hebrew University, Jerusalem), and Yoav Rosenberg, *Statistical Science*, 1994, Vol 9, No.3, pp.429-438.

Since any text of sufficient length contains accidental Equidistant Letter Sequences (ELSs), Eliyahu Rips of Hebrew University's mathematics department and two other scholars, Doron Witztum and Yoav Rosenberg, designed an elaborate experiment to test whether the "Bible Code" was real. They developed a computer program to search Genesis for ELSs naming 66 famous rabbis and their dates of birth or death. The rabbis on the list were all born long after Genesis was written, so no human author could have deliberately encoded them into the text, and the scientists were not looking for names that they already knew to be present. (As a control, they performed exactly the same experiment on a few scrambled versions of Genesis, on the book of Isaiah, and on a Hebrew translation of War and Peace, a book of comparable length to the Torah.) They eliminated spaces between words in the Hebrew text, and wrote the whole text as a two-dimensional array with rows of equal length, except for the last row, with ELSs appearing as a set of points on a straight line. Exceptional cases where the ELS "crosses" one of the vertical edges of the array and reappears on the opposite edge were included by treating the two vertical edges of the array as pasted together, with the end of the first line pasted to the beginning of the second, the end of the second to the beginning of the third, etc. They thus got a cylinder on which the text spiraled down in one long line. When Genesis is written in this way, ELS's spelling out words with related meanings often appear in close proximity.

If the phenomenon was due to chance, the authors reasoned, they would be as likely to find an ELS naming Rabbi X near one identifying the birthday of Rabbi Y as they would be to find Rabbi X near his own birthday. Indeed, this is what they found in the control texts, but in Genesis the rabbis appeared closer to their own dates than to the dates of other rabbis. When the scientists analyzed their data, they found a 1-in-50,000 possibility that such a coding scheme could have occurred by chance. They ended the main body of their paper with the remark "we conclude that the proximity of ELSs with related meanings in the book of Genesis is not due to chance."

Yacov Rambsel, a Messianic Jew who searched the Hebrew texts for a couple of decades without the aid of a computer, has discovered that the name of Jesus (Hebrew: "**Yeshua**") is similarly encoded in the Old Testament at several major Messianic prophecies. He found the phrase "**Yeshua is my name**" under the text of Isaiah 53:10 using every 20th letter, and the name "**Yeshua**" under Zechariah 11:12 (the prophecy re the betrayal of Jesus by Judas for 30 pieces of silver) at a spacing of 24 letters. At the start of Genesis (Genesis 1:1), starting with the first letter (yod), and counting every 521st letter, spells, "**Yeshua yahkol**" which means "**Yeshua is able**". The phrase "**hain dam Yeshua**" which means "**Behold! The blood of Yeshua**" can be found beginning with the first 'heh' in Leviticus 21:10 and counting forward every third letter.

In the passage from Isaiah quoted by Jesus at the start of His ministry as pertaining to Himself (Isaiah 61:1-2), starting with the yod in the opening phrase Ruach Adonai Yehovah (The Spirit of the Lord God), and counting 9 letters from left to right spells "Yeshua"; "Oshiyah" meaning "I will save" is also encoded in the second verse counting every 36th letter from left to right. "Yeshua" is also embedded in the great prophecy of Daniel 9 (concerning Christ's first coming) from verse 26, counting left to right every 26th letter, also in Psalm 41:8 (every second letter). Many more examples are given by Yacov in his 1996 book "YESHUA, The Name of Jesus Revealed in the Old Testament".

The original languages in which the scriptures were written, i.e. Hebrew, Greek, and Aramaic, are "alpha-numeric", i.e. the languages also used various letters of their alphabet to express numbers. The following Table (Table 1) lists the 22 letters of the Hebrew Aleph-bet, their numerical values (gematria), and their (Sefardi) pronunciation:

Table 1: The Hebrew Aleph-Bet

<u>No.</u>	<u>Gematria</u>	<u>Phonetics</u>	<u>Meanings</u>
1	1	Aleph	Adonai, thousand, oxen, teach, first
2	2	bet vet	House
3	3	gimmel	Bridge, camel
4	4	dalet	Door, lifting up, elevation, poor man
5	5	heh	Revelation, word, promise, Spirit, wind
6	6	vav	hook, pillars
7	7	za'yin	weapon, sword
8	8	chet	Life, fear of the Lord, circumcision
9	9	tet	good, humanity
10	10	yod	hand, thrust
11	20	kaf	palm, the power to suppress or lift up
12	30	lamed	to learn, teach
13	40	mem	water
14	50	nun	Heir to the Throne, faithfulness, fish
15	60	sa'mek	endless cycle, support, wedding ring
16	70	ayin	eye, color, fountain
17	80	peh pheh	mouth, here, present
18	90	tzadai	righteous, to hunt (for insights)
19	100	qoph	to surround, great strength, monkey
20	200	resh	head, chief, poor man
21	300	sin shin	full cycle, tooth, El Shaddai
22	400	tav	sign, mark, more, the last

Hebrew words, using these characters, are written and read from right to left. One possible reason for this is that chiseling words in stone is easier that way - holding a chisel with your left hand, and hitting it using your right, the left hand obscures letters less if one chisels from right to left. Consider Genesis 1:1 - "In the beginning God created the heavens and the earth". In the original Hebrew, this is "B'raisheet bara Elohim et ha'shamayim v'et ha'aretz", and it may be written as:

18.20.1.5..22.1.6..13.10.13.21.5..22.1..13.10.8.12.1..1.20.2..22.10.21.1.4.2

Earth and Heaven the God Created In the Beginning

Re the above notation, one dot separates letters, two dots separate words, and the numbers correspond to the position of the Hebrew character in the Hebrew Aleph-bet, as in Table 1.

The notable 50-year research earlier this century of the famous Mathematician and Christian, Ivan Panin, included the following observations re this verse: (1). There are 7 Hebrew words; (2). These contain 7x4 letters; (3). The first 3 words, or the last 4, contain 7x2 letters; (4) The 4th and 5th words have 7 letters; (5). The 6th and 7th words have 7 letters; (6) The 3 key words (God, heaven, earth) have 7x2 letters, and the number of letters in the 4 remaining words in 7x2; (7) The middle word combined with the word to the right or the left equals 7 letters. With regards to the gematria of the letters, Panin noted that the numeric value of the first, middle (ie. 14th and 15th) and last letters is 7x19, while the numeric value of the first, and last letters of all 7 words is 7x199. In total, he discovered 30 separate codes involving the number 7 just in this first verse of the Bible, as recorded in his book "The inspiration of the Scriptures scientifically demonstrated".

There is an echo to the Hebrew of Genesis 1 in the Greek of Matthew 1. In the first 17 verses (re the genealogy of Christ) scripture lists 7x2 generations between Abraham and David; 7X2 generations between David and the carrying away of the Jews to Babylon, and 7x2 generations between that event and Christ. Here Panin discovered: (1).the total numeric value of the Greek words = 7x6052; (2) The number of Greek nouns in the passage = 7x8; (3) the Greek article for "the" occurs 7x8 times; (4). the number of Greek vocabulary words = 7x7 (of which 7x4 begin with a vowel) - they contain 7x38 letters, and of them, 7x2 words occur only 1 time; (5) there are 7x5 proper nouns; (6) there are 7x4 male names; (7) there are 7x2 Greek letters in the names of the three women in the genealogy (Tamar, Rahab, and Ruth). In the closing 7 verses of the chapter (Matthew 1:18-25), which deal with the history of Christ's birth, Panin observed: (1).the number of words in the 7 verse passage = 7x23. (2) the number of vocabulary words = 7x11; (3) there are 7 distinct proper nouns, with 7x8 Greek letters; (4) the number of words spoken by the angel to Joseph = 7x4; (5) the number of Greek forms of words used = 7x23; (6) the number of Greek forms of words in the angel's speech = 7x5; (7) the number of letters in these forms = 7x24.

The phenomenon of the underground Bible code matching the surface text occurs too frequently to be ignored as coincidence, e.g. "Eden" is encoded 16 times in the passage Genesis 2:4-10 which deals with the garden of Eden; "Abel" is encoded at 7X7 (i.e. 49) letter intervals in Genesis 4:23-25; a passage which discusses avenging in relation to the killing of Abel by his brother Cain (note the appearance of 7 in verse 24); "Cain" is similarly encoded at 7X7 letter intervals in Genesis 4:13-15, where Cain is speaking to the Lord; "Babel" is encoded every 7X7 letters also in Genesis 11:1-3, a passage that describes the building of the tower of Babel.

Ruth 4:12 points out the connection between the Book of Ruth and Genesis 38. The Bible code highlights this. An echo of the 7x11 letter count for Yeshua in Ruth 1 is found in Genesis 38:14, where counting every 7x11th letter from left to right spells *the Messiah*. In the life of Joseph, *Yeshua* is coded in the Hebrew in Genesis 37:28, in the phrase "and they sold Joseph", counting from the first yod to the far right every 7X7th letter from right to left. In Genesis 38:11, starting with the second bet, counting every 7X7th letter from left to right spells *Boaz*. In the **same** verse, starting with the second to last resh, counting every 7x7 letters from left to right spells *Ruth*. Nine verses later, in Gen 38:20, starting with the last ayin, counting every 7x7 letters from left to right spells *Obed*, the son of Boaz and Ruth. Five verses later, in Gen 38:25, starting with the second to last yod, counting every 7x7 letters from left to right spells *Jesse*, the son of Obed. In the next verse, Gen 38:26, starting with the first dalet, counting every 7x7 letters from left to right spells *David*, the son of Jesse.

In summary, we find coded, in the very area of scripture which deals with the birth of Pharez, the names of the 4 generations from Boaz to King David, as quoted in the genealogy of Ruth 4:18-22 which begins with Pharez. All the significant names are there: **Yeshua, Boaz, Ruth, Obed, Jesse, David**, coded in their **correct** order. Jesus (Yeshua) is both the First and the Last, both the root and the offspring of David, the son of David but also his Lord. Boaz and Ruth are encoded in close proximity (the very **same** verse), and all the names are coded at the **same** spacing (49), a multiple of the number **7**.

The number **7**, said to represent spiritual perfection, permeates scripture; it appears to be one of God's trademarks. The Torah contains **7x11152** Hebrew words. The number **7** appears **7X41** times in the Old Testament. The word "seventh" occurs **7x14** times. The word "sevenfold" occurs **7** times, and the word **70** is used **7x8** times. The last book of the Bible, Revelation, lists **7** golden candlesticks, **7** stars, **7** churches, **7** seals, **7** angels with **7** trumpets, and **7** angels with **7** last plagues in **7** golden vials. As we learn from Genesis 1, **7** was sanctified and made holy from the time of creation, when God rested the **7th** day and hallowed it. God has stamped both His written word and nature with the number **7**, divine proof that He created both. There are **7** colours in the light spectrum that merge to form light. There are **7** musically whole tones in the scale. Every **8th** musical note creates a new higher octave repeating the pattern of **7** tones. The human body is renewed at the cellular level every **7** years, each cell of our flesh, organs and bones being replaced by new cells. Our blood pulse rate slows down noticeably every **7** days. Our life expectancy is **7x10** years (as noted in the Psalm of Moses, Psalm 90, verse 10). The gestation cycle to produce a baby takes **7x40** days. Almost all the animals have gestation periods that are multiples of **7** : the lion, **7x14** days; sheep **7x7x3** days; hens **7x3** days; ducks **7x4** days; cats **7x8** days; dogs **7x9** days. The lunar/menstrual cycle is **7x4** days.

The mathematical design of just the first chapters of the Old and the New Testaments around the number **7** is compelling evidence to believe in God as our Creator and in Christ as Our Saviour. Panin's discoveries, both in the Hebrew and the Greek, have been examined and verified by various authorities. His critics, including Mathematics professors, were unable to duplicate the mathematical phenomenon of sevens artificially. They tried - they assigned numeric values to the English alphabet, and could write sentences about any topic they chose, having available 400,000 English words to choose from (Biblical Hebrew is limited on the other hand to about 4,500 words only!) - and they failed. Further, Panin discovered thousands of such mathematical patterns underlying the entire Bible before his death in 1942. He, along with others, examined other Hebrew literature, and attempted to find such mathematical patterns, but they were not found anywhere outside the Bible.

The Signature of God by Grant R. Jeffrey, Frontier Research Publications (1996), contains a useful writeup on the Bible Code, and Panin's discoveries, as well as information concerning several recent archaeological discoveries which authenticate the Scriptures. On p. 302, Grant comments: "I doubt that anyone could complete a paragraph of over 150 words following such a pattern of sevens, as found in Genesis 1:1 and Matthew, chapter 1, even if they were to devote several years to the effort."

Let us now look a closer look at Genesis 1:1. It starts: "in the beginning". In Hebrew, this is one word, composed of 6 characters, which includes the first (aleph) and last (tav) letters in the Hebrew alphabet. We might expect to find the Name of **Jesus**, who is the Alpha and the Omega, the First and the Last, and who was involved in creation (Colossians 1:16, Hebrews 1:10-12, John 1:10) coded into this word, and so we do.

The Hebrew word for Jesus is "**Yeshua**", composed of the following 4 Hebrew characters in order: The Yod (position 10, gematria 10), shin (position 21, gematria 300), vav (position 6, gematria 6), and the ayin (position 16, gematria 70). Its total gematria is 386. In Genesis 1:1, re the Hebrew word **B'raisheet**, "In the beginning", starting with the fifth letter, the yod (its first appearance in scripture), and counting every **521st** letter, you obtain an 8 letter ELS (Equidistant Letter Sequence) which spells "**Yeshua Yakol**"(12.6.11.10..16.6.21.10), which means Yeshua (Jesus) is able (to save). In terms of probability, an 8 letter ELS sequence of letters that makes sense is highly unusual. Yacov Rambsel, who made this remarkable discovery, suggests that the reason the ELS spacing here is 521 is that the gematria of the Hebrew word for "gift", **eshkar** (20.11.21.1), is also 521. Another Hebrew word, **Jonathan** (17.400.11.6.5.10), which means "The Gift of the Lord", has the same gematria count of 521. "For God so loved the world that He gave His only begotten Son..." Jn 3:16. As the apostle Paul exclaimed, "thanks be to God for His unspeakable gift!" (II Corinthians 9:15)

Concerning this last point, consider Proverbs 30:4, which reads: "**Who hath ascended up into heaven, or descended? Who hath gathered the wind in His fists? Who hath bound the waters in a garment? Who hath established all the ends of the earth? What is His Name, and what is His Son's Name, if thou canst tell?**"

We know the answer, of course, but it is also confirmed in the Bible code. Here, starting with the yod in the Hebrew word for "who" (**mi**, 10.13), counting every 22nd letter from right to left spells **Yeshua shai** (10.21..16.6.21.10), a 6 letter combination that means **Jesus, the Gift, shai** being another word for "gift". One of the phenomena associated with the Bible code is the way words with related or the same meanings interweave around one another. Often the letter of one word at a certain ELS will intersect with another word at a different ELS so the two words, with related meanings, share the same letter. Here, in Proverbs, is a case in point. If you start with the ayin in the **Yeshua** noted above, and count every 300th letter from right to left, you get the word **Yeshua** spelt out again, but in reverse. As the very next verse in Proverbs declares, "every word of God is pure." (Proverbs 30:5) Psalm 2:7-12 is also powerful evidence in the old Testament to the Sonship of Our Messiah, the Lord Jesus Christ.

Another special number in scripture is **12**, the number associated with completion, or a group around a single unit. We find, for example, **12** tribes grouped around their father Israel, **12** disciples around Christ, **12** gates around the city of the New Jerusalem, our future home, which is **12,000** furlongs in length and breadth and has walls, with **12** foundations, **12x12** cubits high. Once again, nature agrees with scripture. Only **12** spheres can be made to touch an inner sphere, provided all the spheres are identical. The closest packing of atoms in nature occurs in the face-centred cubic lattice structure, where **12** atoms are grouped around a central atom.

A final note: according to the ancient Jewish rabbis, if a word is found at intervals that are the same as its numeric value, it is very significant. We might therefore expect to find "Yeshua" coded in Scripture at an ELS (Equidistant Letter Sequence) spacing of 386. So we do: not just once in the Torah, but **12** times at the ELS spacing of 386. One of these is in Exodus 3:15 (a significant verse concerning the I AM name of God); starting with the 4th letter of the 12th word, and counting every 386th letter, we get an eight letter sequence that spells **Yitron Yeshua**, or "Jesus the Excellency", a title of honour and glory. For more information on these and other discoveries, the books of Yacov Rambsel should be consulted.

APPENDIX 3 - THE INSTITUTE FOR CREATION RESEARCH -MEMBER SCIENTISTS & ASSOCIATES (Taken from website icr.org April 2005)

Henry M. Morris, Ph.D. Hydraulic Engineering - Founder and President Emeritus of The Institute of Creation Research (ICR) – U of Minnesota. - majored in engineering hydraulics / hydrology minoring in Geology & Mathematics. Served on the faculties of Rice University, the U of Minnesota, the U of Southwestern Louisiana, and Southern Illinois U. From 1957 to 1970 Head of the Dept. of Civil Engineering at Virginia Poly Institute and State U (Virginia Tech). Authored *Applied Hydraulics in Engineering*, used by over 100 colleges & universities.

John Morris, Ph.D. Geological Engineering (President of ICR) – U of Oklahoma. Current Head of ICR.

John R. Baumgardner, Ph.D. Geophysics and Space Physics - (Adjunct Faculty for ICR) – UCLA - has a B.S. in Electrical Engineering from Texas Tech U, a M.S. in Electrical Engineering from Princeton U and a M.S. and Ph.D. in Geophysics and Space Physics from UCLA. Served as staff scientist in Fluid Dynamics Group of the Theoretical Division at Los Alamos National Lab in New Mexico since 1984. Well known for development of the TERRA program, a 3-D spherical finite element model for the earth's mantle.

Russell Humphreys, Ph.D. Physics (ICR) – Louisiana State U - has a B.S. in Physics from Duke U and a Ph.D. in Physics from Louisiana State U. Worked six years for the High Voltage Lab of General Electric. While there, received a US patent and one of Industrial Research Magazine's IR-100 awards. Worked for Sandia National Laboratories since 1979 in nuclear physics, geophysics, pulsed power research, theoretical atomic and nuclear physics, and the Particle Beam Fusion Project. Co-inventor of special laser-triggered "Rimfire" high-voltage switches. Received another US patent and two awards from Sandia, including Award for excellence for contributions to light ion-fusion target theory.

Raymond V. Damadian, M.D. (Technical Advisory Board) – Albert Einstein College of Medicine, NY Has a B.S. in Mathematics from the University of Wisconsin (entered as 16 yr old freshman) and a M.D. from the Albert Einstein College of Medicine in New York. Served as a Fellow in Nephrology at Washington U School of Medicine and as a Fellow in Biophysics at Harvard U. He studied Physiological Chemistry at the School of Aerospace Medicine in San Antonio, Texas. Later joined the faculty of the State University of New York Downstate Medical Center. His training in medicine and physics led him to develop a new theory of the living cell, his Ion Exchanger Resin Theory. Invented the MRI (Magnetic Resonance Imaging). Published findings in the *Journal of Science*. Been granted over 40 patents; has published over fifty papers. Recipient of the United States' National Medal of Technology, the Lemelson-MIT Lifetime Achievement Award for invention and innovation; elected to the National Inventors Hall of Fame.

Duane Gish, Ph.D. Biochemistry (ICR) - Has B.S. in Chemistry from UCLA, a Ph.D. in Biochemistry from U of California (Berkeley). Spent 18 years in biochemical research; published approx. 40 articles in scientific journals.

Danny Faulkner, Ph.D. Astronomy (Adjunct Faculty for ICR) – Indiana U - a B.S. in Math from Bob Jones University, an M.S. in Physics from Clemson U and a M.A. and Ph.D. in Astronomy from Indiana U. Professor of Astronomy and Physics at the U of

South Carolina, Lancaster since 1986. Research interests include stellar astronomy, especially binary stars. Has been published in the *Astrophysical Journal*, *Publications of the Astronomical Society of the Pacific* and the *Information Bulletin on Variable Stars*.

Don DeYoung, Ph.D. Physics (Adjunct Faculty for ICR) – Iowa U - published articles in the areas of solid-state physics and nuclear science in *The Journal of Chemistry and Physics of Solids*, *The Journal of Chemical Physics* and several science teaching publications, *Science Teacher* and *Crucible*. Member of the American Physical Society, the Indiana Academy of Science, and the Association of Physics Teachers. Teaches Physics at Grace College in Indiana.

Ken Cumming, Ph.D. Biology (ICR) He has a B.S. in Biology/Chemistry with honors from Tufts University, a Masters in Biology from Harvard, and the Ph.D. in Biology with a major in Ecology and a minor in Biochemistry from Harvard University.

Gary Parker, Ed.D. Biology (Adjunct Faculty for ICR) - has a B.A. in Biology/Chemistry (high honors) from Wabash College, Crawfordsville, IN, a M.S. in Biology/Physiology, and an Ed.D. in Biology with a cognate in Paleontology from Ball State University. Dr. Parker earned several academic awards, wrote five secular books including: *The Structure and Function of the Cell*, *DNA: The Key to Life*, *Mitosis and Meiosis*, *Heredity*, and *Life's Basis: Biomolecules*.

John R. Meyer, Ph.D. Zoology (Technical Advisory Board) - U of Iowa - previously taught physiology and biophysics at Louisville University. He is current director of the CRS Van Andel Creation Research Center.

David Phillips, M.A. Paleoanthropology - a B.A. in Physical Anthropology with minors in Biology and Geology from the California State University of Northridge (CSUN) and a M.A. in Paleoanthropology with highest honors from CSUN as well. Professor Phillips is pursuing his Ph.D. in Paleontology. He is professor of physical sciences at the Masters College and works at the Paleontology lab for the La Brea Tar Pits.

Andrew C. McIntosh, Ph.D. Combustion Theory – U of Wales -Has D.Sc. in Applied Mathematics from the U of Wales with first class honours, a Ph.D. in the Theory of Combustion from the Cranefield Institute of Technology and a DSc in Mathematics from the U of Wales.

Paul Ackerman, Ph.D. Psychology – U of Kansas - currently an assistant professor of Psychology and the Assistant Chairperson of the Psychology Department at Wichita State University.

Keith H. Wanser, Ph.D. Condensed Matter Physics – U of California - currently professor of Physics at California State University, Fullerton. He has received seven patents and over 1 million dollars in grant and contract awards.

Otto E. Berg, B.A. Physics/Chemistry - received Honorary Doctorate-Honoris Causa in 1994 for major contributions in space research and the 1977 NASA Exceptional Achievement Medal

Donald E. Chittick, Ph.D. Chemistry – Oregon State U He holds both U.S. and foreign patents in alternate fuels. He was awarded recognition in Outstanding Educators in

America, is listed in Who's Who in the West and in American Men and Women of Science.

Raul E. Lopez, Ph.D. Atmospheric Science – Colorado State U His areas of experience include Meteorology, Lightning, Convective Cloud Systems. Dr. Lopez has published over forty-five papers in scientific and professional journals. Has published over 90 conference papers & technical reports.

Robert Hermann, Ph.D. Mathematics American U. Current professor of Mathematics at the U.S. Naval Academy. published 62 articles in 28 different refereed journals from 13 countries and has written 5 books. Has presented 31 papers at meetings of scholarly societies, published 45 abstracts, and presented over 2,000 scientific disclosures.

Malcolm A. Cutchins, Ph.D. Engineering Mechanics (Technical Advisory Board) - Virginia Tech. Professor Emeritus of Aerospace Engineering at Auburn U - taught there for over 33 years; received many awards; well-published, has performed research for NSF, the USAF, and NASA.

Patrick Young, Ph.D. Analytical Chemistry – Ohio U. Studied lyotropic liquid crystals where he received U. S. patent as co-inventor of a Kevlar® polymer and process modification improving critical properties in high performance composites. Kevlar® is used in space-age applications and bullet-proof vests. Dr. Young has been active in the research and development of Mylar® film products for capacitor and thermal transfer media applications. Has been technical service manager, research group leader, and chemist at Dupont Laboratories since 1984. Voted one of the outstanding young men of America in 1989 and voted one of the outstanding young men of science in 1993.

Ron Samec, Ph.D. Physics – Clemson U. Dr. Samec has taught physics and astronomy at Butler, Millkan, and Bob Jones Universities. Currently teaches at Bob Jones University. Member of the American Physical Society (APS), the American Association of Physics Teachers (AAPT), the American Astronomical Society (AAS), Full Member, the Astronomical Society of the Pacific (ASP), and the International Astronomical Union (IAU) among others; over 100 papers published.

Daniel W. Reynolds , Ph.D. Physical Organic Chemistry He has a B.S. in Chemistry from the University of Texas, San Antonio, a M.A. in Synthetic Organic Chemistry from the University of Texas, Austin, and a Ph.D. in Physical Organic Chemistry from the University of Texas, Austin.

Gary Locklair, Ph.D. Computer Science – Nova Southeastern U Worked for nine years as software programmer and manager, analyst, software engineer, and various other positions for companies like LaserJet and Hewlett-Packard. Dr. Locklair is currently professor and chair of the computer science department at Concordia University, Wisconsin.

Robert H. Eckel, M.D. (Technical Advisory Board) – U of Cincinnati - has authored over 120 papers and presented over 160 abstracts at regional and national meetings. Recipient of over 60 research awards, reviewer for over sixty journals including the American Journal of Medicine where he currently serves on the editorial board. Chairman of the nutritional committee of the American Heart Association. Currently professor of Medicine at the University of Colorado Health Sciences Center, Denver, Colorado. He has also taught Biochemistry, Biophysics, and Genetics.

John K.G. Kramer, Ph.D. Biochemistry - U of Minnesota. Received the Government of Canada Merit Award (1983), the CSP Canola Research Award (1984), and the Dutton Research Award (1999). He is and has served as Associate Editor of the journal LIPIDS since 1988. Published over 147 refereed papers, 40 miscellaneous papers, 55 abstracts, 2 books and 11 chapters.

Jerry R. Bergman, Ph.D. Evaluation and Research – Wayne State U Received a B.S. with major areas of study in Education, Psychology, and Biology, a M.Ed. in Psychology and Counseling, and a Ph.D. in Evaluation and Research with a minor in Psychology from Wayne State University, Detroit, Michigan. Also received a M.A. in Social Psychology from Bowling Green State U and a M.S.B.S. in Biomedical Science from the Medical College of Ohio, Toledo. Dr. Bergman has published over 350 papers in secular journals as well as creation science publications.

Edward A. Boudreaux, Ph.D. Chemistry – Tulane U Dr. Boudreaux has published 30 papers in peer-reviewed journals, made 18 contributions to chapters in scientific books and review articles, was author and/or co-author of 4 technical books, presented over 54 scientific research presentations at national and international conferences and symposia, and presented over 30 invited scientific lectures at national and international institutions. Dr. Boudreaux has spent 29 years in graduate education and research at the U of New Orleans. Professor Emeritus of Chemistry.

Jerry M. Simmons, Ph.D. Multicultural Teacher & Childhood Education – U of New Mexico. Dr. Simmons received the Science Teacher of the Year Award, Northwest Regional Science and Engineering Fair and was listed in Who's Who Among American Teachers in 1994.

David Menton, Ph.D. Cell Biology (Technical Advisory Board) – Brown U - Professor Emeritus of Anatomy at Washington U. School of Medicine. He was Associate Professor of Anatomy for over 30 years. Received the "Distinguished Service Teaching Award" in 1991, 1994, 1995, 1996, 1997, named "Teacher of the Year" 1979, elected "Professor of the Year" in 1998 by the Class of 2000. For almost 2 decades he has also been Profiled in 'American Men and Women of Science - A Biographical Directory of Today's Leaders in Physical, Biological and Related Sciences'.

Gregory J. Brewer, Ph.D. Biology – U of California San Diego Did postdoctoral work at the Massachusetts Institute of Technology under Nobel Laureate, Professor Salvador E. Luria. Currently Professor of Neurology and Medical Microbiology at Southern Illinois University. He has published over 60 papers in refereed journals, over 70 presentations and abstracts at professional meetings; currently an ad hoc reviewer for the National Science Foundation.

Roger W. Sanders, Ph.D. Botany – U of Texas, Austin- has been published in many journals including *Science*. Although Dr. Sanders held a uniformitarian view for most of his career spanning over twenty years, he accepted the creationist position in 1999.

Robert Franks, M.D. (Adjunct Faculty/Board Member) – UCLA - a B.A. in Zoology (Magna Cum Laude) from San Diego State University, and a M.D. from UCLA. Has practiced medicine (general practice) for over forty years.

George F. Howe, Ph.D. Botany – Ohio State U. Several papers, listed in American Men and Women of Science.

Todd C. Wood, Ph.D. Biochemistry/Genomics - has a B.S. in Biology (highest honors) from Liberty U, a Ph.D. in Biochemistry from the U of Virginia, and a Post-Doctoral Research Fellowship in Genomics from Clemson U. Research Assistant Professor and Director of Bioinformatics 1999 to 2000, Adjunct Professor, Departments of Crop & Soil Sciences and Genetics from 2000 to 2001 at the Clemson U Genomics Institute. Currently Adjunct Prof of Natural Sciences at Bryan College, Tennessee; has published articles in secular journals like *The American Journal of Human Genetics*, *Science*, *Theoretical and Applied Genetics*, and *Genome Research* on biochemistry, genetics, and genomics.

Joseph A. Mastropaolo, Ph.D. Kinesiology/Physiology (Adjunct Faculty for ICR) - Has a B.S. in Kinesiology from Brooklyn College, a M.S. in Kinesiology from the University of Illinois, a Ph.D. in Kinesiology from the U of Iowa, and a Post-Doctoral Research Fellowship in Human Physiology from the National Institutes of Health. Also studied Electrocardiography and Biophysics of the Circulation at the U of Chicago, Medical School. A Fellow of the American Heart Association, the Council on Epidemiology and Prevention, the American College of Sports Medicine; holds a patent in crew conditioning for extended manned space missions. His research interest has been physiology and kinesiology theory for terrestrial, sea, air and space environments. Published in the *Journal of Applied Physiology*, *European Journal of Applied Physiology*, and *Medicine and Science in Sports and Exercise* among others.

Carl B. Fliermans, Ph.D. Microbiology (Technical Advisory Board) - a B.S. in Biology from Asbury College, a M.S. in Soil Microbiology from the University of Kentucky, a Ph.D. in Microbiology (Microbiology, Limnology, Ecology) from Indiana University, and a Post-Doctoral Fellowship at the National Institutes of Health, U of Minnesota. Dr. Fliermans is a microbial ecologist with the Westinghouse Savannah River Company, E. I. DuPont de Nemours & Co. in South Carolina. He has published over sixty publications including papers in Protozoology and the *International Journal of Systematic and Evolutionary Microbiology*. Dr. Fliermans is a *Legionella* bacterium (*Legionnaires Disease*) expert and has served as an expert witness in many litigations. His lab was the first to isolate the bacterium in the natural environment, and he has twenty publications on *Legionella* as well. He has been part of grants and contracts totaling over twenty-two million dollars.

Walter J. Veith, Ph.D. Zoology - U of Cape Town, S. Africa. Dr. Veith is currently professor and chair of the Zoology Department, University of the Western Cape. Has taught for over 28 years.

Arthur J. Jones, Ph.D. Biology - U of Birmingham, UK. His teaching career has spanned almost thirty years. His science and religion courses have won two Templeton Foundation awards.

Mark H. Armitage, M.S. Biology – Institute of Creation Research Graduate School - His advisor was the late, Richard D. Lumsden, Ph.D. Biology. Their research led to the discovery of a new parasite species and a new parasite host. Currently enrolled in Liberty U's distance program for a Doctoral Program in Science Educational Leadership.

Alan Gillen, Ed.D. Science Education - U of Houston. Dr. Gillen teaches Anatomy & Physiology, General Biology, Microbiology, Parasitology, and Survey of Biology at Pensacola Christian College in Florida.

Ian G. Macreadie, Ph.D. Molecular Biology – Monash U, Australia - a Principal Research Scientist of CSIRO Health Sciences and Nutrition and an Adjunct Professor of RMIT University. Has played key roles in identifying the structure and function of several mitochondrial genes. Developed a novel yeast expression system that led to the production of an IBDV vaccine. Used yeast systems to produce biologically relevant proteins of human AIDS and major infectious cellular pathogens such as malaria and P. carini. These systems are being used to rapidly screen for new classes of drugs. Author of over 70 research publications and five patents. His awards include a 1990 Fulbright Senior Scholar Award, 1996 Frank Fenner Research Award. Honorary Secretary of the Australian Society for Biochemistry and Molecular Biology from 1997-2000.

Richard D. Lumsden, Ph.D. Biology (Former Chair of ICR's Grad School Biology Dept. 1990-1996 - Went Home to be with the Lord 1997) Had a B.S. and M.S. in Zoology from Tulane U, a traineeship in Cell Biology at Harvard (non-degree), a Ph.D. in Biology from Rice U, and a Post-Doctoral Research Fellowship in Medical Pathology from the Tulane University School of Medicine. Dr. Lumsden was former Professor of Parasitology and Cell Biology and Dean of the Tulane University Graduate School. He received over 21 Research Grants and Contracts from such organizations at the National Institutes of Health, The National Science Foundation, and the FDA. He published some 90 peer-reviewed papers, mostly in parasitological journals often describing new species, and presented over 100 program abstracts. He won the Henry Baldwin Ward medal, the highest award in parasitology.

David A. Demick, M.D. He has a B.S. in Chemistry from Huntington College, Huntington, IN and his M.D. from University of Illinois College of Medicine at Urbana-Champaign and at Peoria. He completed his residency in Pathology at the Michael Reese Medical Center, Chicago, IL and at Methodist Medical Center, Peoria, IL. Dr. Demick has been a practicing pathologist for over seventeen years, also published in the American Journal of Forensic Medicine and Pathology.

Randy Guliuzza, M.D. - medical degree from the U of Minnesota, holds Masters in Public Health from Harvard U. He holds a B.S. degree in engineering from South Dakota School of Mines and a B.A. degree in theology from Moody Bible Institute. Registered professional engineer who served nine years in the Navy Civil Engineer Corps. Dr. Guliuzza is presently a flight surgeon with the U.S. Air Force at Brooks AFB, San Antonio.

Jonathan B. Scripture, Ph.D. Biochemistry – U of Notre Dame. Dr. Scripture's research at Notre Dame included structure/function studies on ribosomal RNA using chemical and mutational analyses. Spent five years at Case Western Reserve Medical School where he did comparative protein and DNA analysis of carbohydrate binding proteins in bacteria. His research has been published in the Journal of Biological Chemistry and the Journal of Molecular Biology.

David A. Kaufmann, Ph.D. Anatomy – U of Iowa. Retired Prof of Exercise Science, U of Florida; taught for 27 years.

Inis J. Bardella, M.D. – Temple U School of Medicine – she is currently Assistant Professor of Family Medicine and Clinical Epidemiology and Director of Community Faculty for the Department of Family Medicine, University of Pittsburgh. Dr. Bardella is also a physician for the East Liberty Family Health Care Center, Lincoln Lemington Office.

Kelly Hollowell, J.D., Ph.D. Molecular and Cellular Pharmacology – U of Miami - a highly-qualified scientist; also an attorney. Dr. Hollowell has worked as a Research Assistant, Assistant Director of Technical Analysis, Forensic Toxicologist and Science Consultant. Her expertise is in DNA technology and cloning, and she has been published in the Journal of Neurobiology.

Donna O'Daniel, M.A. Biological Sciences - has a B.A. in Education from Faith Baptist Bible College and a M.A. in Biological Sciences from the University of Texas at Austin; a Wildlife Biologist; her specialty is seabirds; has received 6 awards from the U.S. Fish and Wildlife Service.

OTHERS: Patricia Lynnea Gathman Nason, Ph.D.(ICR); Sharon K. Bullock, Ph.D. Pathology and Laboratory Medicine - U of North Carolina; John W. Oller, Jr., Ph.D. General Linguistics; Jay L. Wile, Ph.D. Nuclear Chemistry – U of Rochester, NY; Arlo Moehlenpah, D.Sc. Chemical Engineering – Washington U; Keith Swenson, M.D. - Washington University School of Medicine (St. Louis, MO); Glen W. Wolfrom, Ph.D. Animal Husbandry – U of Missouri. ; Richard Oliver , Ph.D. Biology – U of California, Irvine; Gary A. Eckhoff, D.Veterinary Medicine – Iowa State U; Emmett L. Williams, Ph.D. Materials Engineering – Clemson U; Michael Oard, M.S. Atmospheric Science – U of Washington; David R. McQueen, M.S. Geology - U of Michigan; Les Bruce, Ph.D. Linguistics – Australian National U; Theodore Rybka, Ph.D. Physics – U of Oklahoma; William Baeur, Ph.D. Hydraulics – University of Iowa; Edward Blick, Ph.D. Engineering Science – U of Oklahoma; David Boylan, Ph.D. Chemical Engineering – Iowa State U; Joseph Henson, Ph.D. Entomology – Clemson U; John Moore, Ph.D. Biology – Michigan State U; Alan Galbraith, Ph.D. Watershed Science – Colorado St. U; George Lindsey, Ed.D Science Education – East Texas St U; Joachim Scheven, Ph.D (Zoologist / Palaeontologist) – U of Munich; Emil Silvestru, Ph.D. Geology – Babes-Bolyai U. Romania; Bryant Wood, Ph.D. Archaeology – U of Toronto; Bert Thompson, Ph.D. Microbiology – Texas A&M; Jeremy Walter, Ph.D – Mechanical Engineering – Penn St U; John Rankin, Ph.D, Mathematical Physics – U of Adelaide; Stephen Brocott, Ph. D – Organometallic Chemistry – U of Western Australia; Edward Boudreaux, Ph.D Chemistry – Tulane U; E Theo Agard, Ph.D Physics – U of London; Ker Thompson, D.Sc. Geophysics – Colorado School of Mines; AJ Monty White Ph.D. Gas Kinetics – U of Wales; Stephen Taylor Ph.D. Electrical Engineering – U of Liverpool; Colin Mitchell, Ph.D. Geography – U of Cambridge; Stanley Mumma, Ph.D. Mechanical Engineering – U of Illinois; Evan Jamieson, Ph.D. Hydrometallurgy – Murdoch U; Geoff Downes, Ph.D. – Tree Physiology – U of Melbourne; Sid Cole, Ph.D. Chemistry – U of Newcastle; J.H. John Peet, Ph.D. Photochemistry - Wolverhampton Polytechnic; Werner Gitt, Ph.D. Engineering – Technical U of Hanover; Donald Hamann, Ph.D. Agricultural Science – Virginia Tech; Joseph Henson, Ph.D. Entomology – Clemson U; John Moore, Ed. D. Biology – Michigan State U; Jean Morton, Ph.D. Cellular Studies – George Washington U; Raymond Bohlin, Ph.D. Molecular Biology – U of Texas; John Marcus, Ph.D. Biochemistry – U of Michigan; George Marshall, Ph.D. Ophthalmic Science – U of Glasgow; Bob Hoskem, Ph.D. Biochemistry – U. Of Newcastle; George Javor, Ph.D. Biochemistry – Columbia U., NY; Dwain Ford, Ph.D. Organic Chemistry – Clark U; Angela Meyer, Ph.D. Horticultural Science – U of Sydney; John Marcus, Ph.D. Biochemistry – U of Michigan; Nancy Darrall, Ph.D. Botany – U of Wales; D.B. Gower, Ph.D. Biochemistry – U of London; Geoff Downes, Ph.D. Tree Physiology, U of Melbourne; Wayne Frair, Ph.D. Biochemical Taxonomy – Rutgers U; Don Batter, Ph.D. Plant Physiology – U of Sydney; John Silvius, Ph.D. Plant Physiology – West Virginia; Tom McMullen, Ph.D. History and Philosophy of Science – Indiana U; Kurt P. Wise, Ph.D. Geology (Paleontology) – Harvard U; David P. Livingston, Jr., Ph.D. Archaeology and Ancient History – Andrews U; Alexander V. Lalomov, Ph.D. Geology – USSR National Research Inst. of Ocean Geology Lane P. Lester, Ph.D. Genetics (Technical Advisory Board) – Purdue U; Benjamin L. Aaron, M.D. (Board member) – U of Texas; Eugene Chaffin, Ph.D. Theoretical Nuclear Physics (Adjunct Faculty for ICR); fSteven Austin, Ph.D. Geology (ICR) – Pennslyannia State U, Larry Vardiman, Ph.D. Atmospheric Science (ICR) – Colorado State U; Andrew Snelling, Ph.D. Geology (ICR) – U of Sydney, Bill Hoesch, M.S. Geology (ICR) – ICR Graduate School; David Dewitt, Ph.D. Neuroscience (Adjunct Faculty for ICR) – Case Western Reserve U, School of Medicine; Edmond W. Holroyd, III Ph.D. Atmospheric Science – U of NY, Albany; Frank Sherwin, M.A. Zoology (Parasitology) (ICR) – U of Northern California Andre Eggen, Ph.D. Animal/Molecular Genetics - Federal Institute of Technology in Zurich, Switzerland.