

Creation Science – A Cure For Infidelity

BY

**Dr. Donald R. Patton, Dr. Robert Gentry et. al.
And edited by Rev. Norman Carlson Aerospace Scientist**

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OUR COVER

The Front Cover is a picture that is self-explained in Figure 19, “The Limestone Cowboy”. It reveals a dead cowboy whose feet have been petrified. The boots were made by the M. L. Leddy boot company of San Angelo, TX. Gayland Leddy, Nephew of the founder, recognized the boots by sight and by the “stich patent’ containing the number ‘10’, used by his uncle’s company. Mr. Leddy believed the boots were made in the early 1930’s. So how long does the petrification process take?

“Mama, don’t let your babies grow up to be Cowboys,”

EDITOR'S PREFACE

This document is an attempt to combine the information contained in Dr. Donald Patton's 12 cassette video^a presentations on CREATION SCIENCE. The book may be used as a text accompanying the tapes. The Table Of Contents breaks down the document into 10 major sections; the titles and some subtitles match those of his 12 cassette video presentation, and those of other authors that present. It is hoped a well-rounded presentation. Also included is a selection of pictures from Dr. Patton's video presentation, and Figures 28-29 from Dr. John Whitcomb's book, "The Genesis Flood".

I became acquainted with Dr. Patton via telecon and email while serving as The BMEWS II Clear AFS AK Site analyst and pastor of the North Star Baptist Church in Anderson, AK, in the 2000-2004 era. He approved my making a portion of his scholarship available to his and my people. The book has appreciably increased in size since the first copy that was distributed on DVD.

Being a 'collector' of things I value highly, it's no wonder that starting with the lectures by Dr. Patton, my interest in the radio chronology of Dr. Robert Gentry, and having listened to a week of meetings with Dr. John Whitcomb, etc. I put these tidbits together into a book that hopefully will provide the interested reader with a source that will stabilize his/her faith. My thanks go to all these mentioned contributors and to the LORD Jesus my Savior for giving me the time to pursue these interests.

This book may be suitable as a text for a High School or a two credit hour lower division college course in creation science. The editor has added a creation science glossary to help the student in the introduction/definition of unfamiliar concepts (Appendix A), and Appendix B which deals with Dr. Robert Gentry's scientific endeavors on dating, etc.

Various areas, are shown as they attempt to establish a logical frame for discussion with unbelievers, especially those of an Evolutionary Background. Items such as Radioactive Age Estimation; a defense for the existence of God from mathematical concepts; a large Creation Science Glossary; Giants in the earth (Nephilim), etc., are treated. There may even be some things you may not have considered in a discussion of Creation Science.

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^a *Creation Evolution Seminar*, Six Video Tape Set, Geologist, Don R. Patton presents (12) 30 min. illustrated lectures (6 hrs total). \$59.95. Additional Tapes By Dr. Patton, \$12.95 each: Scriptural Age Of The Earth; Scientific Age of the Earth; Biological Similarities; Creation Evidence From South America; Creation Evidence From Mexico. See pg. 118.

1.0 WHAT IS CREATION SCIENCE

1.1 There Are Only Two Positions

COLIN PATTERSON, British Museum (Natural History) "This theory [evolution] has only one main competitor, creation theory, though there are different stories of how the Creator went about His work." *Evolution*, p.148. Niles Eldridge, American Museum of Natural History, "Indeed, the only competing explanation for the order we all see in the biological world is the notion of Special Creation." *TIME FRAMES*, 1985, p.240.

D. J. FUTUYMA, "Creation and evolution, between them, exhaust the possible explanations for the origin of living things. Organisms either appeared on earth fully developed or they did not. If they did not, they must have developed from preexisting species from some process of modifications. If they did appear in a fully developed state, they must have been created by some omnipotent intelligence." *SCIENCE ON TRIAL*, 1983, p. 169
Both "Religious"

MICHAEL RUSE, "Evolution is promoted by its practitioners as more than mere science. Evolution is promulgated as an ideology, a secular religion-a full-fledged alternative to Christianity, with its meaning and morality. Evolution is a religion. This was true of evolution in the beginning, and is true of evolution still today." *National Post*, 5/13/2000, p.B-3.

WILLIAM B. PROVINE, Cornell, "As the creationists claim, belief in modern evolution makes atheists of people. One can have a religious view that is compatible with evolution only if the religious view is indistinguishable from atheism." *Catching Up With The Vision*, 1999, p.S123

NATURALISM, RICHARD LEWONTIN, Harvard: "It is not that the methods and institutions of science somehow compel us to accept a material explanation of the phenomenal world, but, on the contrary, that we are forced by our a priori adherence to material causes to create an apparatus of investigation and a set of concepts that produce material explanations, no matter how counter-intuitive, no matter how mystifying to the uninitiated. Moreover, that materialism is absolute, for we cannot allow a Divine Foot in the door." *The New York Review Of Books*, p.6, 1/9/1997

PROPAGANDA, MANO SINGHAM, Case Western Reserve Univ: "And I use that trust to effectively brainwash them. We who teach introductory physics have to acknowledge, if we are honest with ourselves, that our teaching methods are primarily those of propaganda. We appeal-without demonstration-to evidence that supports our position. We only introduce arguments or evidence that support the currently accepted theories, and omit or gloss over any evidence to the contrary'. We give short shrift to alternative theories..." *Physics Today*, 6/2000, p.54. *The American Biology Teacher* "To deny or eliminate the teaching of evolution as a fact destroys the essential content of the discipline (biology) and threatens the principles of academic freedom upon which our educational system-.and indeed our larger society-- is based." April, 1996, p.58. Prentice Hall, 1998, "There is no doubt that if you jump up into the air, you will end up on the ground. It makes no difference whether you understand or even believe in gravity. What goes up must come down. Just as definitely, life on Earth has evolved and is continuing to evolve all around us all the time,"^a p.233. **Richard Dawkins**, Oxford "It is absolutely safe to say that, if you meet somebody who claims not to believe in evolution, that

^a A misapplication of the Axiom of Specification - Like the Russell Paradox.

person is ignorant, stupid or insane (or wicked...)." *Blind Watchmaker*. **Stephen J. Gould**, "No myth deserves a more emphatic death than the idea that science is an inherently impartial and objective enterprise... Yet it continues to thrive among working scientist because it serves us so well..." *Science In The Twentieth Century*, 1978, p.344 .

1.2 Legal Issues

SUPREME COURT JUSTICE BRENNAN, LA Balanced Treatment Act, "The Act does not grant teachers a flexibility that they did not already possess, to supplant the present science curriculum with the presentation of theories, besides evolution, about the origin of life. ...Teaching a variety of scientific theories about the origins of humankind to schoolchildren might be validly done with the clear secular intent of enhancing the effectiveness of science education." Supreme Court of the United States. No. 85.1513. Edwin W. Edwards, et al. Appellants vs. Don Aguillard, et al. (June 19, 1987).

TEXAS TEXTBOOK MANDATES, "1. Scientific methods: under content: 1.4 scientific theories and laws based on existing evidence as well as new evidence... under process skills:... 6.3 examining alternative scientific evidence and ideas to test, modify, verify or refute scientific theories. ...9. Theories of evolution: under content: 9.1 scientific theories of evolution; 9.2 scientific theories of evolution and other reliable scientific theories, if any;...", Texas State Board of Education, *Proclamation 66*, March 11, 1989 (Amended in 1993 to include "strengths and weaknesses of evolution.")

STEPHEN GOULD, "But no statute exists in any state to bar instruction in 'creation science.' It could be taught before and it can be taught now." *New York Times Magazine*, 7/19/1987, p.34.

MICHAEL ZIMMERMAN, "' Creation science" can still be brought into the science classroom if and when teachers and administrators feel that it is appropriate. Numerous surveys have shown that teachers and administrators favor just this route. And, in fact, 'creation science' is currently being taught in science courses throughout the country." *Bioscience*, 17 (9):635,1987.

WILLIAM B. PROVINE, Cornell, "Teachers and school boards in public schools are already free under the Constitution of the USA to teach about supernatural origins, if they wish, in their science classes." *Biology And Philosophy*, V.8, pJ23, 1993

FEW DOMINATE, Carl Sagan, "Only 9% of Americans accept the central findings of modern Biology that human beings (and all the other species) have slowly evolved by natural processes from a succession of more ancient beings with no divine intervention needed along the way." *The Demon Haunted World*, p.327, 1996

1.3 Distinguish Variation From Evolution

1.3.1 Special vs. General Evolution

IMPORTANT DISTINCTION, G. A. KERKUT, "There is a theory which states that many living animals can be observed over the course of time to undergo changes so that new species are formed. This can be called the 'Special Theory of Evolution': and can be demonstrated in certain cases by experiments. On the other hand there is a theory that all the living forms in the world have arisen from a single source which itself came from an inorganic form. This theory can be called the 'General Theory of Evolution'". *IMPLICATIONS OF EVOLUTION*, p.155.

GENERAL EVOLUTION, THEODOSIUS DOBZHANSKY, "Evolution comprises all the stages of the development of the universe; the cosmic, biological, and human or cultural developments...life is a product of the evolution of inorganic nature, and man is a product of the evolution of life." *Science*, Vol.155, p.409. "evolution from primordial life, through unicellular and multicellular organisms, invertebrate, and vertebrate animals, to man..." *Encyclopedia Americana*

NOT EVOLUTION, L. HARRISON MATTHEWS, "The (peppered moth) experiments beautifully demonstrate natural selection or survival of the fittest, in action, but they do not show evolution in progress, for however the populations may alter...all the moths remain from beginning to end, *Biston betularia* (the peppered moth)." Introduction to Centennial Edition, *Origin of Species*, p.xi, 1971, J.M. Dent & Sons, London

PEPPERED MOTH, "...the most striking evolutionary change ever witnessed by man." *INTERNATIONAL WILDLIFE ENCYCLOPEDIA*, Burton & Burton, p.2706.



Figure 01. The White Bodied Peppered Moth

1.4 Define "Scientific Proof"

Editors Comment: Scientific proof must consist of at least four items;

1. The Process Must Be OBSERVABLE.
2. The Process Must Be REPEATABLE.
3. The Process Results Must ACCUMULATE.
4. The Process Must Be TESTABLE (Subject To Falsification)

Statements illustrating the futility of claiming the evolutionary hypothesis to be a scientific fact, are given below by those adherents to, or fellow travelers with that hypothesis.

1.4.1 The Process Must Be OBSERVABLE.

OBSERVE EVOLUTION? (In Living World) G. LENYARD STEBBINS "The reason that the major steps of evolution have never been observed is that they required millions of years to be completed." *Processes Of Organic Evolution*, P. 1.

STEPHEN GOULD "Major evolutionary change requires too much time for direct observation on the scale of human *history*." *Discover*, May, 1981, p.36.

OBSERVE EVOLUTION? (In Fossil Record) STEPHEN J. GOULD, Harvard, "The extreme rarity of transitional forms in the fossil record persists as the trade secret of paleontologists,...we view our data as so bad that we never see the very process we profess to study." *Natural History*, V.86.

DAVID B. KITTS, Univ of Okl., "Despite the promise that paleontology provides a means of 'seeing' evolution, it has presented some nasty difficulties for evolutionists,..." *Evolution*, V.28, p.467.

1.4.2 The Process Must Be REPEATABLE.

EXPERIMENTAL? REPEATABLE? THEODOSIUS DOBZHANSKY, "These evolutionary happenings are unique, unrepeatable, and irreversible. the applicability of the experimental method to the study of such unique historical processes is severely restricted before all else by the time intervals involved, which far exceed the lifetime of any human experimenter." *American Scientist*, Vol.45, p.388.

MYTHOLOGICAL OBJECTIVITY, STEPHEN J. GOULD, HARVARD, "No myth deserves a more emphatic death than the idea that science is an inherently impartial and objective enterprise;...Yet it continues to thrive among working scientist because it serves us so well. ...It also provides the rationale for America's scientific priesthood: The National Academy of Sciences." *SCIENCE IN THE TWENTIETH CENTURY*, 1978, p.344.

1.4.3 The Process Results Must ACCUMULATE.

Observed Variation Does Not Accumulate.

TIME + MUTATIONS = NO CHANGE, MICHELELSOL PROF. OF BIOLOGY, UNIV. OF LYONS, "If mutation were a variation of value to the species, then the evolution of drosophila should have proceeded with extreme rapidity. Yet the facts entirely contradict the validity of this theoretical deduction; for we have seen that the Drosophila type has been known since the beginning of the Tertiary period, that is for about fifty million years, and it has not been modified in any way during that time." *ENCYCLOPEDIA OF THE LIFE SCIENCES*, Volume II, p. 34 .

BOUNDARIES TO VARIATION, W. BRAUN, "...that is the potential mutations of a given biotype are normally limited, else we should have been able to observe drastic evolutionary changes in laboratory studies with bacteria. Despite the rapid rate of propagation and the enormous size of attainable populations, changes within initially homogeneous bacterial populations apparently do not progress beyond certain boundaries under experimental conditions." *BACTERIAL GENETICS*

NEW SPECIES? Colin Patterson, British Museum of Natural History, "No one has ever produced a species by mechanisms of natural selection No one has ever gotten near it and most of the current argument in neo-Darwinism is about this question.", *CLADISTICS*, BBC, March 4, 1982.

ANTIBIOTIC RESISTANCE, Not Evolution, "It may be time to rethink our thoughts about the mechanisms for antibiotic-resistance patterns...The anaerobic bacteria, from the bowels of three members of an 1845 Arctic expedition, have survived 140 years and are showing resistance patterns to modern antibiotics. Current theories suggest that antibiotic resistance is linked to long-term exposure to antibiotics. Needless to say, antibiotics were not developed until long after these 19th-century bacteria and their hosts had been buried in Arctic permafrost." *Medical Tribune*, 12/29/88, p.23

ANTIBIOTIC RESISTANCE, "Our results show that resistance to antibiotics is widespread in at least some wild populations, even though these have never to our knowledge been exposed to antibiotics, and they undermine the presumption that resistance will decline in the absence of antibiotic treatment." *Nature*, 9/16/99

CHANGE PREVENTED, S. M. Stanley, Johns Hopkins U. "Once established, an average species of animal or plant will not change enough to be regarded as a new species, even after surviving for some-thing like a hundred thousand, or a million, or even ten million generations. Something tends to prevent the wholesale restructuring of a species, once it has become well established on earth." *Johns Hopkins Magazine*, p.6, June, 1982.

UNIMPROVED VARIATION, STEPHEN J. GOULD, Harvard, "We can tell tales of improvement for some groups, but in honest moments we must admit that the history of complex life is more a story of multifarious variation about a set of basic designs than a saga of accumulating excellence." *NATURAL HISTORY*, 2/82, p,22,23

"EVOLUTIONARY THEORY UNDER FIRE", "An historic conference in Chicago challenges the four-decade long dominance of the Modern Synthesis, The central question of the Chicago conference was whether the mechanisms underlying micro-evolution can be extrapolated to explain the phenomena of macroevolution. At the risk of doing violence to the positions of some of the people at the meeting, the answer can be given as a clear, No. ...Francisco Ayala, 'major figure in propounding the Modern Synthesis in the United States', said: 'We would not have predicted stasis...but I am now convinced from what the paleontologists say that small changes do not accumulate.'" *Science*, V.210, Nov.21,1980

SELECTION IRRELEVANT, S.M. STANLEY, Johns Hopkins U. "...natural selection, long viewed as the process guiding evolutionary change, can-not play a significant role in determining the overall course of evolution. Macroevolution is decoupled from microevolution." *Pro. N. A. S.*, v 72, p.648

MUTATIONS IRRELEVANT, STEPHEN J. GOULD, Harvard, "A mutation doesn't produce major new raw material. You don't make a new species by mutating the species. That's a common idea people have; that evolution is due to random mutations. A mutation is NOT the cause of evolutionary change." Lecture at Hobart and William Smith College, 14/2/1980. PIERRE-PAUL GRASSE, "No matter how numerous they may be, mutations do not produce any kind of evolution." *EVOLUTION OF LIVING ORGANISMS*, Academic Press,1977, p.88

TEXTBOOK EVOLUTION DEAD, STEPHEN. J. GOULD, Harvard, "I well remember how the synthetic theory beguiled me with its unifying power when I was a graduate student in the mid-1960's. Since then I have been watching it slowly unravel as a universal description of evolution I have been reluctant to admit it--since beguiling is often forever--but if Mayr's characterization of the synthetic theory is accurate, then that theory, as a general proposition, is effectively dead, despite its persistence as textbook orthodoxy." *Paleobiology*, Vol.6, 1980, p. 120.

1.4.3.1 Origin Of Life? Bricks, No Buildings

PRIMITIVE CELL? J. MONOD, "we have no idea what the structure of a primitive cell might have been. The simplest living system known to us, the bacterial cell in its overall chemical plan is the same as that of all other living beings. It employs the same genetic code and the same

mechanism of translation as do, for example, human cells. Thus the simplest cells available to us for study have nothing 'primitive' about them no vestiges of truly primitive structures are discernible." *CHANCE AND NECESSITY*, p. 134.

MILLER EXPERIMENT TOSSED, "Now this textbook picture of how life originated, so familiar to college students just a generation ago, is under serious attack. ...increasingly doubtful that clouds of methane and ammonia ever dominated the atmosphere of the primitive earth. If scientist have, by and large, tossed out the old ideas, they have not yet reached a consensus on the new." *Time*, 10/11/1993

LETHAL ULTRAVIOLET LIGHT, CARL SAGAN, Cornell, "Unacceptable high mutation rates will, of course, occur at much lower U.V. doses, and even if we imagine primitive organisms having much less stringent requirements on the fidelity of replication than do contemporary organisms, we must require very substantial U.V. attenuation for the early evolution of life to have occurred." *Journal of Theoretical Biology*, Vol.39, p..197

1.4.3.2 Encyclopedic Information.

SOURCE OF INFORMATION???, CARL SAGAN, Cornell, "The information content of a simple cell has been estimated as around 1012 bits,^a comparable to about a hundred million pages of the Encyclopaedia Britannica.", *Life*, Vol. 39, p.894.

RICHARD DAWKINS, Oxford, "Some species of the unjustly called 'primitive' amoebas have as much information in their DNA as 1,000 Encyclopedia Britannicas." *BLIND WATCHMAKER*, 1986, p.116.

BILL GATES, Microsoft, "Human DNA is like a computer program but far, far more advanced than any software we've ever created." *THE ROAD AHEAD*, p. 228

1.4.4 The Process Must Be TESTABLE. (Subject To Falsification)

FALSIFIABILITY, PAUL EHRLICH, "Our theory of evolution has become, as Popper described, one which cannot be refuted by any possible observations. Every conceivable observation can be fitted into it. It is thus 'outside empirical science', but not necessarily false. No one can think of ways in which to test it. ...become part of an evolutionary dogma accepted by most of us as a part of our training" *Nature*, Vol. 214, p. 352.

CHARLES DARWIN, "If it could be demonstrated that any complex organ existed which could not possibly have been formed by numerous, successive, slight modifications, my theory would absolutely break down." *ORIGIN OF THE SPECIES*, p. 183

IMPLICATIONS OF INTEGRITY, FRANCIS CRICK, Nobel Laureate, "An honest man, armed with all the knowledge available to us now, could only state that in some sense, the origin of life appears at the moment to be almost a miracle, so many are the conditions which would have had to have been satisfied to get it going." *LIFE ITSELF*; 1981, p.88.

^a 1012 bits = $2^{1011} = 2^{111} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100} * 2^{100}$ Where: $2^{111} = 5192296858$ followed by 24 zeros. $2^{100} = 12676506$ followed by 23 zeros. The product of the first two terms, $2^{111} * 2^{100} = 6582018227$ followed by 54 zeros , , , Finally, $2^{1011} = 4388899247$ followed by 295 zeros!

CREATION-EVOLUTION DEBATES, NILES ELDRIDGE, Curator, American Museum of Natural History, "Creationist travel all over the United States, visiting college campuses and staging 'debates' with biologist, geologist, and anthropologist. The creationists nearly always win. ... Thinking the creationists are uneducated, Bible-thumping clods, they are soon routed by a steady onslaught of direct attacks on a wide variety of scientific topics. ...Creationists today - at least the majority of their spokesmen - are highly educated, intelligent people. Skilled debaters, they have always done their homework. And they nearly always seem better informed than their opponents, who are reduced too often to a bewildered state of incoherence. ...Creationists have been very successful of late in converting student followers, having favorable rulings adopted by local school boards, even getting legislation passed by state legislatures..."

MONKEY BUSINESS, p.17

2.0 THE AGE OF THE EARTH.

2.1 The Significance Of This Issue.

EARNST MAYER, Harvard, "The revolution began when it became obvious that the earth was very ancient rather than having been created only 6,000 years ago. This finding was the snowball that started the whole avalanche.", *NATURE OF THE DARWINIAN REVOLUTION*, p.3

LAWRENCE BADASH, Prof. of History of Science, U. of CA, Santa Barbara, "**As the sun's first ray's of thermonuclear light blazed across the galaxy 4.5 billion years ago, the primal earth emerged from a spinning, turbulent cloud of gas, dust and planetoids that surrounded the new star. ...On these figures for the age of the earth rest all of geology and evolution.**" *Scientific American*, 8/1989, p.90

GEORGE WALD, Nobel Laureate, Harvard, "However improbable we regard this event, or any of the steps which it involves, given enough time it will almost certainly happen at least once. Time is in fact the hero of the plot. Given so much time, the 'impossible' becomes possible, the possible probable, and the probable virtually certain. One has only to wait: time itself performs the miracles.", *THE PHYSICS AND CHEMISTRY OF LIFE*, p.12.

2.1.1 Radiometric Dating Involves At Least Eight Untestable Assumptions.

Assumptions:

- (1) *Beginning conditions known.*
- (2) *Ratio of Daughter to natural.*
- (3) *Constant Decay Rate.*
- (4-7) *No leaching or addition of parent or daughter. Note: this is a specie of a Chiasm*
- (4) *No leaching of parent [item]*
- (5) *No leaching of daughter [item]*
- (6) *No addition of parent [item]*
- (7) *No addition of daughter [item]*
- (8) *All assumptions valid for billions of years*

"**ASSUMPTIONS**", HENRY FAUL, "Two important assumptions are implicit in this equation: First, that we are dealing with a closed system. And second, that no atoms of the daughter were present in the system when it formed. These assumptions furnish the most serious limitations on the accumulation clock. Rigorously closed systems probably do not exist in nature, but surprisingly, many minerals and rocks satisfy the requirement well enough to be useful for nuclear age determination. The problem is one of judicious geologic selection.", *AGES OF ROCKS, PLANETS & STARS*, p. vi.

DAUGHTER/PARENT/LOSE/GAIN, STEVEN M. STANLEY, Johns Hopkins, "In accepting a date, even with a plus-or-minus figure, we are assuming that a dated rock has remained a closed system - i.e., that it has neither lost nor received parent or daughter atoms from some other source. Unfortunately, this is not always the case. Rocks can, in fact, both gain

and lose atoms... These types of errors, which can beset even the most meticulous radiometric analysis, often add up to sizable total errors..." *EARTH AND LIFE THROUGH TIME*, 1986, p.122

SHIFTY URANIUM, J.D. MACDOUGALL, "The fourth assumption presupposes that the concentration of uranium in any specimen has remained constant over the specimen's life. ...ground-water percolation can leach away a proportion of the uranium present in the rock crystals. The mobility of the uranium is such that as one part of a rock formation is being improvised another part can become abnormally enriched...at relatively low temperatures." *Scientific American*, Vol.235 (6):118

"DATING MOON SAMPLES": Pitfalls And Paradoxes", EVERLY DRISCOLL, "What complicates things for the uranium-lead method is that non-radiogenic lead 204, 206, 207 and 208 also exist naturally, and scientists are not sure what the ratios of non-radiogenic to radiogenic lead were early in the moon's history...The problem of how much lead was around to begin with still remains...If all of the age-dating methods (rubidium-strontium, uranium-lead and potassium-argon) had yielded the same ages, the picture would be neat. But they haven't. The lead ages, for example, have been consistently older...Isotopic ages have been obtained for material from five landing sites on the moon--those of Apollos 11, 12, 14, 15 and Luna 16; each site has a different age. But in a given site, the ages also vary... Ideally, any one basaltic rock from a given site should yield the same isotopic age, regardless of the method used." *Science News*, V.101, p.12

CONSTANT RATES? FREDERIC B. JUENEMAN, FAIC, "There has been in recent years the horrible realization that radiodecay rates are not as constant as previously thought, nor are they immune to environmental influences. And this could mean that the atomic clocks are reset during some global disaster, and events which brought the Mesozoic to a close may not be 65 million years ago but, rather, within the age and memory of man." *Ind. Research & Development*, p.21, 6/1982

2.1.2 Methods Are Not Concordant. Conclusions Are Selected. Contradictions Arbitrarily Rejected.

DIFFERENT AGES FROM ONE ROCK, JOAN C. ENGELS, "It is now well known that (Potassium – Argon) K-Ar ages obtained from different minerals in a single rock may be strikingly discordant." *journal of Geology*, ,Vol.79, p.609

RECENT LAVA @ 22M, C. S. NOBEL & J. J. NAUGHTON, Hawaiian Inst. of Geophysics, "The radiogenic argon and helium contents of three basalts erupted into the deep ocean from an active volcano (Kilauea) have been measured. Ages calculated from these measurements increase with sample depth up to 22 million years for lavas deduced to be recent. ...these lavas are very young, probably less than 200 years old. The samples, in fact, may be very recent...", *Science*, Vol.162, p.265

PRECISION DATING? ROGER LEWIN, Ed. Research News, *Science*, "The calculated age was quickly refined to be 2.61 ± 0.26 million years, which, to anthropologist unfamiliar with the procedures of radiometric dating, has a ring of comforting precision about it. ...41 separate age determinations... which varied between 223 million and 0.91 million years ...after the first determination they never again obtained 2.61 from their experiments." *BONES OF CONTENTION*, p.194

ARBITRARY, A. HAYATSU, Dept. of Geophysics, U. of Western Ont., "In conventional interpretation of K-Ar age data, it is common to discard ages which are substantially too high or too low compared with the rest of the group or with other available data such as the geological time scale. The discrepancies between the rejected and the accepted are arbitrarily attributed to excess or loss of argon." *Canadian Journal Of Earth Science*, 16:974.

DISSENTERS EJECTED, R. L. MAUGER, East Carolina Univ., "In general, dates in the 'correct ball park' are assumed to be correct and are published, but those in disagreement with other data are seldom published nor the discrepancies fully explained.", *Contributions To Geology*, Vol.15 (1): 17

"THE IMPERFECT ART OF ESTIMATING GEOLOGICAL TIME" BATES MCKEE, U. of Washington, "If the laboratory results contradict the field evidence, the geologist assumes that there is something wrong with the machine date. To put it another way, 'good' dates are those that agree with the field data. ...the geologist has more faith in the fossil evidence than in a machine date, and this reflects some of the uncertainties of radiometric determinations and the interpretation of results." *CASCADIA, The Geological Evolution Of The Pacific Northwest*, p.25, 27

2.1.3 Carbon¹⁴ (¹⁴C)

"C¹⁴ AGES IN ERROR", ROBERT E. LEE, "The troubles of the radiocarbon dating method are undeniably deep and serious. Despite 35 years of technological refinement and better understanding, the underlying assumptions have been strongly challenged. It should be no surprise, then, that fully half of the dates are rejected^a. The wonder is, surely, that the remaining half come out to be accepted. There are gross discrepancies, the chronology is uneven and relative, and the accepted dates are actually selected dates." *Anthropological Journal of Canada*, Vol. 19, no. 3, 1981, p.9

FUNDAMENTAL ASSUMPTION, Report on C¹⁴ Conference (145 International Scientists), *Science*, Vol. 150, p. 1490. "Throughout the conference emphasis was placed on the fact that laboratories do not measure ages, they measure sample activities. The connection between activity and age is made through a set of assumptions. ...one of the main assumptions of C¹⁴ dating is that the atmospheric radiocarbon level has held steady over the age-range to which the method applies."

C¹⁴ INCREASING! H. E. SUESS, UCLA, "Symposium Organized By International Atomic Energy Authority, ...presented the latest determinations...as adduced from the current activity of dendrochronologically dated growth rings of the Californian bristle cone pine. ...The carbon¹⁴ concentration increases rather steadily during this time.. These results confirm the change in carbon¹⁴ concentration and indicate that the concentration increases..." *Science*, Vol.157, p.726

2.1.4 "Proof of pudding" Tests (Moon rocks, G. Canyon, Hawaiian, Mt. St. Helen lavas) Demonstrate Invalidity.

"CLOCKS" UNRELIABLE, W.D. STANSFIELD (Anti-Creationist), Prof. Biological Science, Cal. Polyt.S.U., "If we assume that (1) a rock contained no (Lead)Pb²⁰⁶ when it was formed, (2) all Pb²⁰⁶ now in the rock was produced by radioactive decay of (Uranium) U²³⁸, (3)

^a About the probability of flipping an honest coin!

the rate of decay has been constant, (4) there has been no differential leaching by water of either element, and (5) no U^{238} has been transported into the rock from another source, then we might expect our estimate of age to be fairly accurate. Each assumption is a potential variable, the magnitude of which can seldom be ascertained. In cases where the daughter product is a gas, as in the decay of potassium (K^{40}) to the gas argon (Ar^{40}) it is essential that none of the gas escapes from the rock over long periods of time...It is obvious that radiometric technique may not be the absolute dating methods that they are claimed to be. Age estimates on a given geological stratum by different radiometric methods are often quite different (sometimes by hundreds of millions of years). There is no absolutely reliable long-term radiological 'clock'".
THE SCIENCE OF EVOLUTION, 1977, p.84



Table 01. A Periodic Table

2.2 Geological Phenomenon...Rapid!

2.2.1 Fossils: Large, Detailed, Ephemeral, Polystrate. Merging Flow Structures.

"**RAPID**," DUNBAR & ROGERS, "Use of the lead-uranium ratio, however, soon demonstrated its age to be more than two thousand million years... To some thoughtful stratigraphers, this amazing discovery presented a dilemma, for if the known stratified rocks have been accumulating throughout this vast span of time, the average rate of deposition must have been extremely slow, yet there is very good evidence that individual beds accumulated rapidly. Thus Schuchert...found that if a geologic column were built up by superposing the thickest known part of each of the geologic systems in North America, from Cambrian to the present, the composite record would be about 259,000 feet (49 miles) thick. If we combine his results with the latest estimates of time based on radioactive minerals, we get the figures in Table 5, in which the last column indicates the estimated average rate of deposition. Internal evidence in the strata, however, belies these estimates. In the Coal Measures of Nova Scotia, for example, the stumps and trunks of many trees are preserved standing upright as they grew, clearly having been buried before they had time to fall or rot away. Here sediment certainly accumulated to a depth of many feet within a few years. In other formations where articulated skeletons of large animals are preserved, the sediment must have covered them within a few days at the most. Abundant fossil shells likewise indicate rapid burial, for if shells are long exposed on the sea floor they suffer abrasion or corrosion and are overgrown by sessile organisms or perforated by boring animals. At the rate of deposition postulated by Schuchert, 1000 years, more or less, would have been required to bury a shell 5 inches in diameter. With very local exceptions fossil shells show no evidence of such long exposure." *PRINCIPLES OF STRATIGRAPHY*, p.128.

Table 5 From Dunbar and Rogers, Stratigraphy, below.

Table 02 Average Rate Of Deposition In Geologic Time As Postulated By Schuchert (1931).

Geologic Eras	Thickness In Feet	Time In Years	Average Rate Of Deposition
Cenozoic	61,000	70,000,000	1 ft. per 1,400 yrs.
Mesozoic	86,600	130,000,000	1 ft. per 1,500 yrs.
Paleozoic	111,000	300,000,000	1 ft. per 2,700 yrs.

"**RAPID**," DEREK AGER, Past President British Geologist' Asso., "The geological record is constantly lying to us. It pretends to tell us the whole truth, when it is only telling us a very small part of it.(p. xvi) Nowhere in the world is the record, or even part of it, complete. ...It may seem paradoxical, but to me the gaps probably cover most of earth history, not the dirt that happened to accumulate in the moments in between. It was during the breaks that most events probably occurred. ...It is the gaps that really matter.(p. 14) ...Obviously sedimentation had to be very rapid to bury a tree in a standing position before it rotted and fell down. ...Standing trees are known at many levels and in many parts of the world. ... we cannot escape the conclusion that sedimentation was at times very rapid indeed and that at other times there were long breaks in the sedimentation, though it looks uniform and continuous. (p.49)" *THE NEW CATASTROPHISM*, 1993, p.49

"RAPID," EDWIN D. MCKEE, "The chief significance of ripple lamination in the geologic record is that it is an indicator of environments involving large and rapid sand accumulation...areas where addition of new sand normally is at a slow rate, have little chance of developing into superimposed ripple lamination... In contrast, areas in which sand accumulates periodically but rapidly, as in river flood plains where sand laden waters of strong floods suddenly lose velocity are very favorable for building up ripple-laminated deposits." Primary Sedimentary Structures and Their Hydrodynamic Interpretation, *Society of Economic Paleontologists and Mineralogists*, p.107.

"SECONDS OR MINUTES," ALAN V. JOPLING, Dept. of Geology, Harvard, "it is reasonable to postulate a very rapid rate of deposition; that is a single lamina would probably be deposited in a period of seconds or minutes rather than in a period of hours. ...there is factual evidence from both field observation and experiment that laminae composed of bed material are commonly deposited by current action within a period of seconds or minutes." V.36, No.4, pp.880-887.

"INSTANTANEOUS," ADOLF SCILACHER, U. Frankfurt, "This proves instantaneous deposition of the individual beds, as postulated by the turbidity-current theory. ...did not accumulate gradually but were cast instantaneously by turbidity currents each bed in its entire thickness, in a matter of hours or less." *Journal of Geology*, V.70, p. 227.

UBIQUITOUS RIPPEL MARKS, Robert R. Shrock, Prof. of Geology, M.I.T., "Because they are one of the commonest and most widespread of original sedimentary features, they have been described and illustrated in countless reports. ...Ripple marks are preserved in conglomerates, sandstones, and siltstones, and in clastic limestones and dolostones. ...Many examples have been described from rocks of all ages..." *SEQUENCE IN LAYERED ROCK*, p.93, 95

2.2.2 Incredibly Preserved Fossils

"FRESH" DINOS, "Minerals, however, did not replace soft tissue in the bones excavated from the banks of Alaska's Colville River west of Prudhoe Bay. 'They're as light as balsa wood and look as fresh as yesterday's dog bones,' says Canadian paleontologist Phil Currie... For more than 65 million years the remains of the vegetarian duck-billed dinosaurs and other creatures lay buried in the now-frozen tundra, which was once a coastal swamp with a subtropical-to-temperate climate.'...their structure was porous and the fossils were not remineralized.' Therefore, in their deep freeze, the Alaskan bones may well have preserved some of their DNA" *Omni*, 1/90, p.32

DINOSAUR BLOOD CELLS, "Round and tiny and nucleated, they were threaded through the bone like red blood cells in blood vessels. But blood cells in a dinosaur bone should have disappeared eons ago. 'I got goose bumps. ...It was exactly like looking at a slice of modern bone. But, of course, I couldn't believe it. ...The bones are, after all 65 million years old. How could blood cells survive that long?'" *SCIENCE*, Research News, V.261, 9/7/93

ERASED, "Certain physical limits seem inescapable. In approximately 50,000 years, water alone strips bases from the DNA and leads to the breakage of strands into pieces so small that no information can be retrieved from them. Oxygen also contributes to the destruction of DNA. Even in ideal conditions-in the absence of water and oxygen and at low temperature-background radiation must finally erase all genetic information," *Scientific American*, 11/93, p.92

DNA SHOULD BE GONE, "This means these compression fossils defy the prediction, from *in vitro* estimates of the rate of spontaneous hydrolysis, that no DNA would remain intact much beyond 10,000 years. What a good job not everybody knew that, grant reviewers included." *Nature*, Vol.352, 8/91

"Instability and Decay of the Primary Structure of DNA" Tomas Lindahl. "The apparent observation that fully hydrated plant DNA might be retained in high- molecular mass form for 20 million years is incompatible with the known properties of the chemical evolution of DNA." *Nature*, Vol.362, 1993, p.714.

17 MILLION YEAR OLD WET DNA? "...DNA sequence from a magnolia leaf deposited in clay on the bottom of a lake in northern Idaho some 17 million years ago. They were able to amplify a fragment as long as 800 base pairs. ... The clay was wet, however, and one wonders how DNA could have survived the damaging influence of water for so long." *Scientific American*, 11/93, p.92

40 MILLION YEAR OLD DNA ALIVE? "Now Cano, a microbiologist at California State Polytechnic University...dissected a Dominican stingless bee trapped in 25 to 40 million year old amber, found bacterial spores (a dormant state of bacteria), grown them, analyzed some of their DNA, and found it closely matches...the same bacteria found in modern Dominican bees. 'When you look at them they don't look any different from the modern ones,' Cano says, but these bacteria are ancient and, 'they're alive!'" *Science*, Research News, V.268, 5/19/95

MASTADON STEAKS SERVED IN FAIRBANKS RESTAURANTS DURING THE GOLD RUSH! A statement from my Doctor who was an amateur archaeologist. Fairbanks AK circa 2000-2002. {NEC}

2.2.3 Swift Coal And Quick Oil.

RAPID COAL, GEORGE R. HILL Dean of College of Mines & Mineral Industries, "A rather startling and serendipitous discovery resulted These observations suggest that in their formation, high rank coals, were probably subjected to high temperature at some stage in their history. A possible mechanism for formation of these high rank coals could have been a short time, rapid heating event." [Six Hours], *Chemtech*, May, 1972, p. 292.

GARBAGE INTO OIL, " British scientists claimed to have invented a way to turn household garbage into oil suitable for home heating or power plant use. 'We are doing in 10 minutes what it has taken nature 150 million years to do', said Noel McAuliffe of Manchester University..." *Sentinel Star*, 2/26/1982

RAPID OIL, Middleton, Holyland, Loewenthal, Bruner, "Bottom line - Economic accumulations of oil and gas can be generated in thousands of years in sedimentary basins that have experienced hot fluid flow for similar durations." *The Petroleum Exploration Society of Australia* No. 24, 1996, p. 6-12

2.2.4 Cave Formations

POLICE SPELEOTHERMS, "Hanging from a ceiling beam in the 40-year-old building's basement are several rows of formations not usually seen so close to ground level. Stalactites. Yep, stalactites - more than 100 of the squiggly, slippery rock formations that thousands of people pay to see in places named Carlsbad and Mammoth. ...They are natural cave ornaments, pure and simple." *Dallas Morning News*, 4/4/1994, p.13A

INDICATORS OF YOUNG EARTH *According to Anti-Creationist, W:D. STANSFIELD, Prof Biological Science, Cal. polyt. S.U., SCIENCE OF EVOLUTION, 1977, p. 84.* Includes Water from volcanoes, Lava from volcanoes, Helium in atmosphere, Uranium accumulation, Pressure in oil reservoirs, Human population, Meteoric dust in strata, Meteorites in strata, Radiocarbon in atmosphere

3.0 LAWS OF SCIENCE

"**LAWS**" OF NATURE, JAMES H. SHEA, *Editor, Journal of Geological Education*, "The most serious problem with this concept grows out of the fact that it uses a metaphor, the Laws that govern or control nature... We seem to believe that there literally are such laws. The concept is anachronistic in that it originated at a time when the Almighty was thought to have established the laws of nature and to have decreed that nature must obey them. It is a great pity for the Philosophy of Science that the word 'law' was ever introduced.", *Geology*, v. 10, p. 458

3.1 1st Law of Thermodynamics.

The First Law of Thermodynamics, according to the findings of Joule and others, led Rudolf Clausius, a German physicist, to state in 1850: "In any process, energy can be changed from one form to another (including heat and work), but it is never created or destroyed."

ALBERT EINSTEIN, "Classical thermodynamics...only physical theory of universal content concerning which I am convinced that within the framework of applicability of its basic concepts, it will never be overthrown." *Science*, Vol. 157, p. 509

ISAAC ASIMOV, "This law is considered the most powerful and most fundamental generalization about the universe that scientists have ever been able to make. No one knows why energy is conserved... All that anyone can say is that in over a century and a quarter of careful measurement scientists have never been able to point to a definite violation of energy conservation, either in the familiar everyday surroundings about us, or in the heavens above or in the atoms within.", *Smithsonian Institution Journal*, June, 1970, p.6

ORIGIN OF MATTER, ISAAC ASIMOV, "Perhaps in an infinite sea of nothingness, globs of positive and negative energy in equal-sized pairs are constantly forming, and after passing through evolutionary changes, combining once more and vanishing. We are in one of these blobs in the period of time between nothing and nothing, and wondering about it.", *Science Digest*, Vol.69, p.69

3.2 2nd Law of Thermodynamics.

The second law of thermodynamics. May be stated in a variety of ways. According to Rudolf Clausius, "It is impossible for a self-acting machine, unaided by external agency, to convey heat from a body at one temperature to another body at a higher temperature." The second law of thermodynamics may also be stated in terms of entropy. In a spontaneous irreversible process, the total entropy of the system and its surroundings always increases. For any process, the total entropy of a system and its surroundings never decreases.

3.3 3rd Law of Thermodynamics.

The third law of thermodynamics considers perfect order. It states that the entropy of a perfect crystal is zero only at absolute zero.^a This reference point allows absolute entropy values to be expressed for compounds at temperatures above (below) absolute zero.

^a Absolute zero is the lowest possible temperature, at which point the atoms of a substance transmit no thermal energy - they are completely at rest. It is 0 degrees on the Kelvin scale, which translates to -273.15 degrees Celsius (or -459.67 degrees Fahrenheit).

Entropy, as a measure of disorder, is a function of temperature (i.e., the higher the entropy, the greater the disorder in the system). Increasing temperature results in an increase in entropy (positive ΔS).^a

entropy - (thermodynamics) a thermodynamic quantity, S , representing the amount of energy in a system that is no longer available for doing mechanical work; "entropy increases as matter and energy in the universe degrade to an ultimate state of inert uniformity" if a system has an entropy of 0.0 all randomness is gone. The system is perfectly ordered at Absolute Zero.^b

FAMILIAR TO EVERYONE, ISAAC ASIMOV, "Another way of stating the second law then is 'The universe is constantly getting more disorderly!' Viewed that way we can see the second law all about us. we have to work hard to straighten a room, but left to itself it becomes a mess again very quickly and very easily. Even if We never enter it, it becomes dusty and musty. How difficult to maintain houses, and machinery, and our own bodies in perfect working order: how easy to let them deteriorate. In fact, all we have to do is nothing, and everything deteriorates, collapses, breaks down, wears out, all by itself-and that is what the second law is all about.", *Smithsonian Institution Journal*, June, 1970, p. 6

HOPELESS, SIR ARTHUR EDDINGTON, "...if your theory is found to be against the second law of thermodynamics, I can give you no hope; there is nothing for it but to collapse in deepest humiliation.", p.74 *Nature of the Physical World*.

JUST STATISTICAL? A.B. PIPPARD, Cambridge Univ., "There is thus no justification for the view, often glibly repeated, that the Second Law of Thermodynamics is only statistically true, in the sense that microscopic violations repeatedly occur, but never violations of any serious magnitude. On the contrary, no evidence has ever been presented that the Second Law breaks down under any circumstances.", *Elements of Chemical Thermodynamics for Advanced Students of Physics*, p. 99-100

NO WAY AROUND, FRANK A. GRECO, Harvard Medical School, "Being a generalization of experience, the second law could only be invalidated by an actual engine. In other words, the question, 'Can the second law of thermodynamics be circumvented?' is not well worded but could be answered only if the model incorporated every feature of the real world. But an answer can readily be given to the question, 'Has the second law of thermodynamics been circumvented?' Not yet." *American Laboratory*" 10/82, p.88.

COMPREHENSIVE- APPLICATION, RICHARD MORRIS, "The second law of thermodynamics has a chameleonlike character. It can be expressed in more different ways than any of the other laws of physics. The reason that it takes so many different forms is that it is the most general of all the laws that scientists have discovered. It applies to practically everything." *Time's Arrows: Scientific Attitudes Toward Time*, 1984, p.113

ENTROPY OF INFORMATION, TOM SIEGFRIED, *DALLAS MORNING NEWS*, 5/14/90, "Is there a real connection between entropy in physics and the entropy of information? The equations of information theory and the second law are the same, suggesting that the idea of

^a Copyright (c) 1997 Grolier Interactive Inc.

^b *Absolute zero* is the lowest possible temperature, at which point the atoms of a substance transmit no thermal energy - they are completely at rest. It is 0 degrees on the Kelvin scale, which translates to -273.15 degrees Celsius (or -459.67 degrees Fahrenheit).

entropy is something fundamental..." [Quotes Robert W. Lucky, Ex. Director of Research, AT&T, Bell Laboratories & John A. Wheeler, of Princeton & Univ. of TX, Austin]

EVOLUTIONARY "FAITH", V. F. VEISSKOFF, Head Dept. Physics, M. I. T., "The evolutionary history of the world from the 'big bang' to the present universe is a series of gradual steps from the simple to the complicated, from the unordered to the organized, from the formless gas of elementary particles to the morphic atoms and molecules and further to the still more structured liquids and solids, and finally to the sophisticated living organisms. There is an obvious tendency of nature from disorder to order and organization^a.", *American Scientist*, Vol.65, July/Aug, 1977, p.409

3.4 Applies To Open System.

WORKS GREAT, JOHN ROSS, Harvard University, *CHEMICAL AND ENGINEERING NEWS*, p.40 July 7, 1980, "Ordinarily the second law is stated for isolated systems, but the second law applies equally well to open systems."

IMMATERIAL, ARNOLD SOMMERFEL, , "...the quantity of entropy generated locally cannot be negative irrespective of whether the system is isolated or not." *THERMODYNAMICS AND STATISTIC4L MECHANICS*, p.155

USEFUL ABSTRACTION, RICHARD MORRIS, "An isolated system is one that does not interact with its surroundings. Naturally there are no completely isolated systems in nature. Everything interacts with its environment to some extent. Nevertheless, the concept, like many other abstractions that are used in physics, is extremely useful. If we are able to understand the behavior in ideal cases, we can gain a great deal of understanding about processes that take place in the real world. In fact treating a real system as an isolated one is often an excellent approximation.", *Time's Arrows*, p.113

UNSATISFACTORY "EXPLANATION" CHARLES J. SMITH, "biological systems are open and exchange both energy and matter. This explanation, however, is not completely satisfying, because it still leaves open the problem of how or why the ordering process has arisen (an apparent lowering of the entropy), and a number of scientists have wrestled with this issue. Bertalanffy (1968) called the relation between irreversible thermodynamics and information theory one of the most fundamental unsolved problems in biology." *Biosystems*, Vol. 1, p. 259.

SURPLUS ENERGY: INSUFFICIENT! GEORGE GAYLORD SIMPSON & W. S. BECK, "But the simple expenditure of energy is not sufficient to develop and maintain order. A bull in a china shop performs work, but he neither creates nor maintains organization. The work needed is particular work; it must follow specifications; it requires information on how to proceed.", *AN INTRODUCTION TO BIOLOGY*, p. 466

INFORMATION REQUIRED, EIGEN (Nobel Laureate) "Here at the molecular level are the roots of the old puzzle about the chicken or the egg. Which came first, function or information? As we shall show, neither one could proceed the other; they had to evolve together." *EVOLUTION*, p.13, NOV.10, 1982.

^a Which statement contradicts the 2nd Law Of Thermodynamics

4.0 EVOLUTION REQUIRES ENERGY & INFORMATION

4.1 Both Increasing Energy & Information Require An "Open System " (Outside Source)

1. Outside Source For Energy is the Sun.
2. Outside Source For Information is ?????

MOST PROBABLE, PETER T. MORA, National Institute of Health, "Crystallization occurs because it leads to the lowest energy state, and to the most stable arrangement of atoms or molecules under the given conditions. Crystallization leads to simple, very uniform repeating structures, which are inert. These structures do not function, and are not designed by function." *Nature*, Vol. 199, 1963, P 216.

STRUCTURE CONFUSED WITH ORDER, RICHARD MORRIS, "For example, when a crystal grows in a liquid, *structure* appears that was not present before the process of crystallization began. As the crystal becomes larger, the entropy of the system does increase. The appearance of structure does not always imply an increase in order, even though "structure" and "order" are equated in our everyday speech." *TIMES ARROWS*, p.119.

4.1.1 Applies To Life.

LIFE PROCESSES, Harold Blum, Princeton Univ., "No matter how carefully we examine the energetics of living systems we find no evidence of defeat of thermodynamic principles, but we do encounter a degree of complexity not witnessed in the non-living world." *Time's Arrows and Evolution*, p.14

LIFE WON'T "FORM" ILYA PRIGOGIN (Nobel Laureate) "Unfortunately this principle cannot explain the formation of biological structures. The probability that at ordinary temperatures a macroscopic number of molecules is assembled to give rise to the highly ordered structures and to the coordinated functions characterizing living organisms is vanishingly small. The idea of spontaneous genesis of life in its present form is therefore highly improbable, even on the scale of billions of years during which prebiotic evolution occurred." *Physics Today*, Vol.25, p.28.

IMMENSE AMOUNT, CARL SAGAN, Cornell "The information content of a simple cell has been estimated at around 10¹² bits, comparable to about a hundred million pages of the Encyclopedia Britannica." *Encyclopedia Britannica*, Life, v.10, p.894. BILL GATES, Chairman, Microsoft, Human DNA is like a computer program but far, far more advanced than any software we have ever created." *THE ROAD AHEAD*, p.228

4.1.2 Observed In Life Of The Past.

DOWNHILL, STEPHEN J. GOULD, Harvard, "The sweep of anatomical diversity reached a maximum right after the initial diversification of multicellular animals. The later history of life proceeded by elimination not expansion." *WONDERFUL LIFE*, 1989, p.46

"LAW"? STEPHEN GOULD, Harvard, "According to a 'law' formulated by E. D. Cope in 1871, the body size of organisms in a peculiar evolutionary lineage tends to increase. But Cope's rule has failed the most comprehensive test applied to it yet." *Nature*, V.385, 1/16/97

MUTATIONS DEFINED, THEODOSIUS DOBZHANSKY, "one can say that mutations are owing to incorrect copying, to occasional mistakes in the generally so remarkably accurate process of replication You may, if you wish, compare mutations to accidental misspellings or misprints which even the most experienced copyist makes from time to time. ...harmfulness of most mutants is just what could be reasonably expected. an accident, a random change, in any delicate mechanism can hardly be expected to improve it. Poking a stick into the machinery of one's watch or into one's radio set can hardly be expected to make it work better.", *HEREDITY AND THE NATURE OF MAN*; p.126

BIGGER & MORE DIVERSE, YON ENGELN & CASTER, "Also that mammalian life was richer in kinds, of larger sizes, and had a more abundant expression in the Pliocene than in later times.", *GEOLOGY*, p.19

GIANTS OF THE PAST, "Leakey...had been scouring the gorge since 1931. Over the years he has unearthed the bones of an ancient pig as big as a rhino, a six-foot-tall sheep, a twelve-foot-tall bird and the flattopped skull of the erect 'Nutcracker man'.", *TIME MAGAZINE*, March 10, 1961

BIGGER BUGS, CLIFFORD SIMAK, *TRILOBITE, DINOSAUR AND MAN*, "In general all the Pennsylvanian insects were larger than the ones we know today.", p.158

4.1.3 Observed Throughout Universe.

DEGENERATING UNIVERSE, *THE UNIVERSE AND DR. EINSTEIN*, "The sun is slowly but surely burning out, the stars are dying embers, and **everywhere in the cosmos heat is turning into cold, matter is dissolving into radiation, and energy is being dissipated into empty space.** The universe is thus progressing to an ultimate 'heat death' And there is no way of avoiding this destiny. For the fateful principle known as the second law of thermodynamics, which stands today as the principal pillar of classical physics left intact by the march of science, proclaims that the fundamental processes of nature are irreversible. Nature moves just one way." p.102

OBSERVED DETERIORATION, FRED L. WHIPPLE, Dir., Smithsonian Astro. Obs., "Comets tend to split in pieces, particularly when they are near the Sun or Jupiter, but also when they are quite undisturbed in space. Some comets seem to tire out and die.", *MYSTERY OF COMETS*, 1985, p.93

STARS "THEORETICALLY" IMPOSSIBLE, J. C. BRANDT, "Contemporary opinion on star formation holds that the objects called protostars are formed as condensations from interstellar gas. This condensation process is very difficult theoretically and no essential theoretical understanding can be claimed; in fact, some theoretical evidence argues strongly against the possibility of star formation. However, we know that the stars exist, and we must do our best to account for them.", *THE SUN AND STARS*, p. 111

DUST CLOUDS, "A huge, billowing pair of gas and dust clouds are captured in this stunning NASA Hubble Space Telescope image of the supermassive star Eta Carinae. Eta Carinae was the site of a giant outburst about 150 years ago... Somehow, the explosion produced two polar lobes and a large thin equatorial disk, all moving outward at about 1.5 million miles per hour." Space Telescope Science Institute <http://oposite.stsci.edu/pubinfo/pr/96/23/A.htmJ>

STAR FORMATION? ABRAHAM LOEB, Harvard Center for Astrophysics, "The truth is that we don't understand star formation at a fundamental level." *New Scientist*, V.157, 2/7/1998, p.30

STARS UNEXPECTED, GEOFFREY BURBIDGE, Director, Kitt Peak National Observatory, "If stars did not exist, it would be easy to prove that this is what we expect.", *STELLAR STRUCTURE*, p.577

GALAXIES UNEXPECTED, MARTIN REES, Astrophysicist, "The most basic questions about galaxies are still not understood. If galaxies didn't exist, we would have no problem explaining that fact.", *The Dallas Morning News*, Aug.15, 1988

GALAXIES "THEORETICALLY" IMPOSSIBLE, JAMES TREFIL, Prof. Physics, George Mason U., "It seems that the more we learn about the basic laws of nature, the more those laws seem to tell us that the visible matter-the stuff we can see-shouldn't be arranged the way it is. There shouldn't be galaxies out there at all, and even if there are galaxies, they shouldn't be grouped together the way they are. ... The problem of explaining the existence of galaxies has proved to be one of the thorniest in cosmology. By all rights, they just shouldn't be there, yet there they sit. It's hard to convey the frustration that this simple fact induces among scientist. Despite what you may read in the press, we still have no answer to the question of why the sky is full of galaxies, although we've succeeded in eliminating many wrong answers." *DARK SIDE OF THE UNIVERSE^a*, 1988, pp.2, 55

MISSING MASS, BRUCE MARGON, University of Washington, "Its a fairly embarrassing thing for an astronomer to admit we can't find 90% of the mass of the universe." *Aviation Week & Space Technology* 11/1994

ORIGIN OF SOLAR SYSTEM, SIR H. JEFFRIES, Cambridge, "I think all suggested accounts of the origin of the Solar System are subject to serious objections. The conclusion in the present state of the subject would be that the system cannot exist.", *THE EARTH*, 1970, p.359. FRED WHIPPLE, Harvard "All of the hypotheses so far presented have failed, or remain unproved, when physical theory is properly applied." *ORBITING THE SUN*, 1981, p.284. IDA, CANUP, & STEWART, "Many models have been proposed for the formation of the Moon, but no one has succeeded in showing the formation satisfactorily." *Nature*, V.389, 9/25/1997, p. 353 NAFI TOKSOZ, M.I.T., "It's far easier to explain why the moon shouldn't be there than to explain its existence.", *Science* 81, 3/81, p. 120.

^a Col 1:14 In whom we have redemption through his blood, even the forgiveness of sins:

15 Who is the image of the invisible God, the firstborn of every creature:

16 For by him were all things created, that are in heaven, and that are in earth, visible and invisible, whether they be thrones, or dominions, or principalities, or powers: all things were created by him, and for him:

17 And he is before all things, and by him all things consist [Grk. hold together].

18 And he is the head of the body, the church: who is the beginning, the firstborn from the dead; that in all things he might have the preeminence. {in...: or, among all}

19 For it pleased the Father that in him should all fullness dwell;

UNEXPLAINED, STUART ROSS TAYLOR, Lunar and Planetary Institute, "The ultimate origin of the solar system's angular momentum remains obscure." *Solar System Evolution: A New Perspective* Cambridge University Press, p. 53

ORIGIN OF ORDER? PAUL C. W. DAVIES, Kings College, London, "The greatest puzzle is where all the order in the universe came from originally. How did the cosmos get wound up, if the Second Law of Thermodynamics predicts asymmetric unwinding toward disorder?" Universe In Reverse," *SECOND LOOK*, 1, 1979, p. 27

4.1.4 Demands Beginning, A Creator.

DEMANDS BEGINNING, ISAAC ASIMOV, "As far as we know, all changes are in the direction of increasing entropy, of increasing disorder, of increasing randomness, of running down. Yet the universe was once in a position from which it could run down for trillions of years. How did it get into that position?" *Science Digest*, May 1973, pp. 76-77

ONE ADEQUATE CAUSE, H.J. LIPSON, Physics, U. of Manchester, "I think however that we should go further than this and admit that the only accepted explanation is creation. I know that is anathema to physicists, as it is to me, but we must not reject a theory that we do not like if the experimental evidence supports it.", *Physics Bulletin*, Vol.31, 1980, p.138

POINTS TO CREATOR, G. J. VAN WYLEN, RICHARD SONNTAG, "...we see the second law of thermodynamics as a description of the prior and continuing work of a creator, who also holds the answer to our future destiny and that of the universe." *FUNDAMENTALS OF CLASSICAL THERMODYNAMICS*, 1985, p.232.

4.1.5 Descriptions Of Young Earth Evidence.

Descriptions Of Young Earth Evidence
By Anti-Creationist, William D. Stansfield
Prof. Biological Sciences, California Polytechnic State Univ.

Water In The Oceans: "It has been estimated that seventy volcanoes the size of Mexico's Paricutin producing 0.001 cubic miles of water per year for 4.5 billion years of earth's history could account for the 315 cubic miles of water in the oceans today. There are now approximately 600 active volcanoes and about 10,000 dormant ones. Six hundred volcanoes comparable to Paricutin could account for the present oceans in approximately 0.5 billion years."

Uranium In the Oceans: "Uranium salts presently appear to be accumulating in the oceans at about 100 times the rate of their loss. It is estimated that 6×10^{10} grams of uranium is added to the oceans annually. Under uniformitarian rules, the total concentration of uranium salts of the oceans (estimated at less than 10^{17} grams) could be accumulated in less than one million years."

Lava In The Strata: "It has been estimated that four volcanoes spewing lava at the rate observed for Paricutin and continuing for five billion years could almost account for the volume of the continental crusts. The Columbian plateau of northwestern United States (covering 200,000 square miles) was produced by a gigantic lava flow several thousands of feet deep. The Canadian shield and other extensive lava flows indicate that volcanic activity has indeed followed an accelerated tempo in the past. The fact that only a small percentage of crustal rocks are recognizably lavas ..."

Meteoritic Dust In Strata: "One estimate of meteoritic dust settling to earth places it at 14.3 million tons annually. If this rate has been constant throughout five billion years of geologic history, one might expect over fifty feet of meteorite dust to have settled all over the surface of the earth. The average meteorite contains about three hundred times more nickel than the average earth rock."

Meteorites In Strata: "No meteorites have been found in the geological column."

Pressure In The Strata: "Some geologists find it difficult to understand how the great pressures found in some oil wells could be retained over millions of years."

People On The Strata: "If humanity is really about 2.5 million years old (as claimed by Dr. Louis Leakey), creationists calculate from conservative population estimates (2.4 children per family, average generation and life span of forty-three years) that the world population would have grown from a single family to 10^{2700} people over one million years. The present world population is about 2×10^9 , an infinitesimal part of the 10^{2700} ."

Helium In the Atmosphere: "The atmospheric content of helium-4 (the most abundant isotope of helium) has accumulated from the radioactive decay of uranium and thorium in the earth's crust and oceans, from nuclear reactions caused by cosmic rays, and from the sun. If the present rate of accumulation has been constant throughout four billion years of the earth's history, there should be thirty times as much helium in our present atmosphere as is presently there."

Radiocarbon In Atmosphere: "It now appears that the (carbon) C^{14} decay rate in living organisms is about 30 per cent less than its production rate in the upper atmosphere. Since the amount of C^{14} is now increasing in the atmosphere, it may be assumed that the quantity of C^{14} was even lower in the past than at the present. This condition would lead to abnormally low C^{14}/C^{12} ratios for the older fossils. Such a fossil would be interpreted as being much older than it really is. ...Creationists argue that since C^{14} has not yet reached its equilibrium rate, the age of the atmosphere must be less than 20,000 years old."

Dr. Stansfield's "Answer": "By this methodology, creationists stand guilty of the "crime" they ascribe to evolutionists, namely uniformitarianism. ...All the above methods for dating the age of the earth, its various strata, and its fossils are questionable, because the rates are likely to have fluctuated widely over earth history. A method that appears to have much greater reliability for determining absolute ages of rocks is that of radiometric dating."

But He Acknowledges: "If we assume that (1) a rock contained no (lead) Pb^{206} when it was formed, (2) all Pb^{206} now in the rock was produced by radioactive decay of (uranium) U^{238} , (3) the rate of decay has been constant, (4) there has been no differential leaching by water of either element, and (5) no U^{238} has been transported into the rock from another source, then we might expect our estimate of age to be fairly accurate. Each assumption is a potential variable, the magnitude of which can seldom be ascertained. In cases where the daughter product is a gas, as in the decay of potassium (K^{40}) to the gas argon (Ar^{40}) it is essential that none of the gas escapes from the rock over long periods of time. It is obvious that radiometric techniques may not be the absolute dating methods that they are claimed to be. Age estimates on a given geological stratum by different radiometric methods are often quite different (sometimes by hundreds of millions of years). *There is no absolutely reliable long-term radiological 'clock.'* "*SCIENCE OF EVOLUTION*, pp. 80-84.

4.1.6 Evidence for a Young World.**Evidence for a Young World
by D. Russell Humphreys, Ph.D.^a**

Here are a dozen natural phenomena which conflict with the evolutionary idea that the universe is billions of years old. The numbers I list below in bold print (often millions of years) are maximum possible ages set by each process, not the actual ages. The numbers in italics are the *ages required by evolutionary theory for each item. The point is that the maximum possible ages are always much less than the required evolutionary ages, while the biblical age (6,000 to 10,000 years) always fits comfortably within the maximum possible ages. Thus the following items are evidence against the evolutionary time scale and for the biblical time scale. Much more young-world evidence exists, but I have chosen these items for brevity and simplicity. Some of the items on this list can be reconciled with an old universe only by making a series of improbable and unproven assumptions; others can fit in only with a young universe. The list starts with distant astronomic phenomena and works its way down to earth, ending with everyday facts.

1. Galaxies wind themselves up too fast

The stars of our own galaxy, the Milky Way, rotate about the galactic center with different speeds, the inner ones rotating faster than the outer ones. The observed rotation speeds are so fast that if our galaxy were more than a few hundred million years old, it would be a featureless disc of stars instead of its present spiral shape. Yet our galaxy is supposed to be at least 10 billion years old. Evolutionists call this "the winding-up dilemma," which they have known about for fifty years. They have devised many theories to try to explain it, each one failing after a brief period of popularity. The same "winding-up" dilemma also applies to other galaxies. For the last few decades the favored attempt to resolve the dilemma has been a complex theory called "density waves."¹ The theory has conceptual problems, has to be arbitrarily and very finely tuned, and lately has been called into serious question by the Hubble Space Telescope's discovery of very detailed spiral structure in the central hub of the "Whirlpool" galaxy, M51.²

2. Comets disintegrate too quickly

According to evolutionary theory, comets are supposed to be the same age as the solar system, about 5 billion years. Yet each time a comet orbits close to the sun, it loses so much of its material that it could not survive much longer than about 100,000 years. Many comets have typical ages of 10,000 years.³ Evolutionists explain this discrepancy by assuming that (a) comets come from an unobserved spherical "Oort cloud" well beyond the orbit of Pluto, (b) improbable gravitational interactions with infrequently passing stars often knock comets into the solar system, and (c) other improbable interactions with planets slow down the incoming comets often enough to account for the hundreds of comets observed.⁴ So far, none of these assumptions has been substantiated either by observations or realistic calculations. Lately, there has been much talk of the "Kuiper Belt," a disc of supposed comet sources lying in the plane of the solar system just outside the orbit of Pluto. Even if some bodies of ice exist in that location, they would not really solve the evolutionists' problem, since according to evolutionary theory the Kuiper Belt would quickly become exhausted if there were no Oort cloud to supply it.

^a Dr. Hulphreys, a Senior Physicist at Sandia National Laboratories, a board member of the Creation Research Society, and is a leader in the Creation Science Fellowship of Albuquerque.

3. Not enough mud on the sea floor

Each year, water and winds erode about 25 billion tons of dirt and rock from the continents and deposit it in the ocean.⁵ This material accumulates as loose sediment (i.e., mud) on the hard basaltic (lava-formed) rock of the ocean floor. The average depth of all the mud in the whole ocean, including the continental shelves, is less than 400 meters.⁶

The main way known to remove the mud from the ocean floor is by plate tectonic subduction. That is, sea floor slides slowly (a few cm/year) beneath the continents, taking some sediment with it. According to secular scientific literature, that process presently removes only 1 billion tons per year.⁶ As far as anyone knows, the other 24 billion tons per year simply accumulate. At that rate, erosion would deposit the present amount of sediment in less than 12 million years. Yet according to evolutionary theory, erosion and plate subduction have been going on as long as the oceans have existed, an alleged 3 billion years. If that were so, the rates above imply that the oceans would be massively choked with mud dozens of kilometers deep. An alternative (creationist) explanation is that erosion from the waters of the Genesis flood running off the continents deposited the present amount of mud within a short time about 5000 years ago.

4. Not enough sodium in the sea

Every year, rivers⁷ and other sources⁹ dump over 450 million tons of sodium into the ocean. Only 27% of this sodium manages to get back out of the sea each year.^{8,9} As far as anyone knows, the remainder simply accumulates in the ocean. If the sea had no sodium to start with, it would have accumulated its present amount in less than 42 million years at today's input and output rates.⁹ This is much less than the evolutionary age of the ocean, 3 billion years. The usual reply to this discrepancy is that past sodium inputs must have been less and outputs greater. However, calculations which are as generous as possible to evolutionary scenarios still give a maximum age of only 62 million years.⁹ Calculations¹⁰ for many other sea water elements give much younger ages for the ocean.

5. Earth's magnetic field is decaying too fast

The total energy stored in the earth's magnetic field has steadily decreased by a factor of 2.7 over the past 1000 years.¹¹ Evolutionary theories explaining this rapid decrease, as well as how the earth could have maintained its magnetic field for billions of years, are very complex and inadequate. A much better creationist theory exists. It is straightforward, based on sound physics, and explains many features of the field: its creation, rapid reversals during the Genesis flood, surface intensity decreases and increases until the time of Christ, and a steady decay since then.¹² This theory matches paleomagnetic, historic, and present data.¹³ The main result is that the field's total energy (not surface intensity) has always decayed at least as fast as now. At that rate the field could not be more than 10,000 years old.¹⁴

6. Many strata are too tightly bent

In many mountainous areas, strata thousands of feet thick are bent and folded into hairpin shapes. The conventional geologic time scale says these formations were deeply buried and solidified for hundreds of millions of years before they were bent. Yet the folding occurred without cracking, with radii so small that the entire formation had to be still wet and unsolidified when the bending occurred. This implies that the folding occurred less than thousands of years after deposition.¹⁵

7. Injected sandstone shortens geologic "ages"

Strong geologic evidence¹⁶ exists that the Cambrian Sawatch sandstone - *formed* an alleged 500 million years ago - of the Ute Pass fault west of Colorado Springs was still unsolidified when it

was extruded up to the surface during the uplift of the Rocky Mountains, allegedly 70 million years ago. It is very unlikely that the sandstone would not solidify during the supposed 430 million years it was underground. Instead, it is likely that the two geologic events were less than hundreds of years apart, thus greatly shortening the geologic time scale.

8. Fossil radioactivity shortens geologic "ages" to a few years

Radiohalos are rings of color formed around microscopic bits of radioactive minerals in rock crystals. They are fossil evidence of radioactive decay.¹⁷ "Squashed" Polonium²¹⁰ radiohalos indicate that Jurassic, Triassic, and Eocene formations in the Colorado plateau were deposited within months of one another, not hundreds of millions of years apart as required by the conventional time scale.¹⁸ "Orphan" Polonium²¹⁸ radiohalos, having no evidence of their mother elements, imply either instant creation *or* drastic changes in radioactivity decay rates.^{19,20}

9. Helium in the wrong places

All naturally-occurring families of radioactive elements generate helium as they decay. If such decay took place for billions of years, as alleged by evolutionists, much helium should have found its way into the earth's atmosphere. The rate of loss of helium from the atmosphere into space is calculable and small. Taking that loss into account, the atmosphere today has only 0.05% of the amount of helium it would have accumulated in 5 billion years.²¹ This means the atmosphere is much younger than the alleged evolutionary age. A study published in the *Journal of Geophysical Research* shows that helium produced by radioactive decay in deep, hot rocks has not had time to escape. Though the rocks are supposed to be over one billion years old, their large helium retention suggests an age of only thousands of years.²²

10. Not enough stone age skeletons

Evolutionary anthropologists say that the stone age lasted for at least 100,000 years, during which time the world population of Neanderthal and Cro-magnon men was roughly constant, between 1 and 10 million. All that time they were burying their dead with artifacts.²³ By this scenario, they would have buried at least 4 billion bodies.²⁴ If the evolutionary time scale is correct, and if buried bones are able to last for much longer than 100,000 years (as is the case with "70 million-year-old" dinosaurs), then many of the supposed 4 billion stone age skeletons should still be around (and certainly the buried artifacts). Yet only a few thousand have been found. This implies that the stone age was much shorter than evolutionists think, a few hundred years in many areas.

11. Agriculture is too recent

The usual evolutionary picture has men existing as hunters and gatherers for 100,000 years during the stone age before discovering agriculture less than 10,000 years ago.²³ Yet the archaeological evidence shows that stone age men were as intelligent as we are. It is very improbable that none of the alleged 4 billion people mentioned in item 10 should discover that plants grow from seeds. It is more likely that men were without agriculture less than a few hundred years after the flood, if at all.^{24 a}

12. History is too short

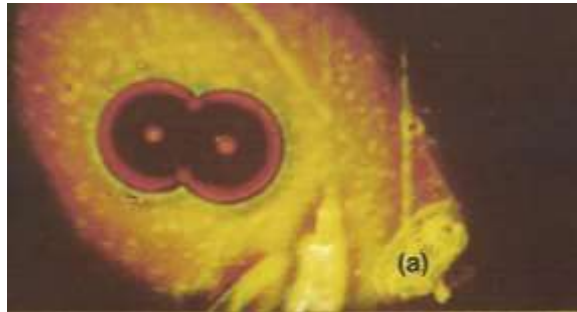
According to evolutionists, stone age man existed for 100,000 years before beginning to make written records about 4000 to 5000 years ago. Prehistoric man built megalithic monuments, made beautiful cave paintings, and kept records of lunar phases.²⁵ Why would he wait a

^a Reference Figure 28, below.

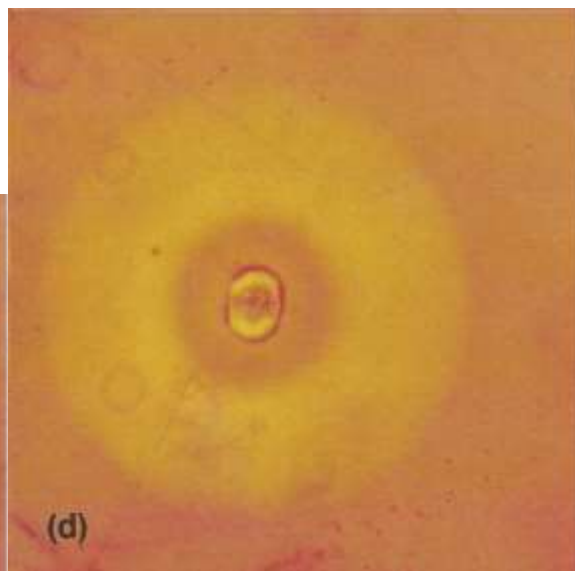
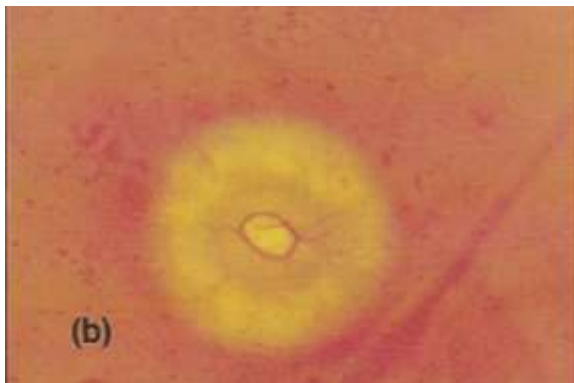
thousand centuries before using the same skills to record history? The biblical time scale is much more likely.²⁴

Radiohalo Pictures And Descriptions From Robert Gentry's Book; *Creation's Tiny Mystery*, Earth Science Associates (1986) P.O. Box 12067, Knoxville, TN 37912-0067, pp. **209-210.**

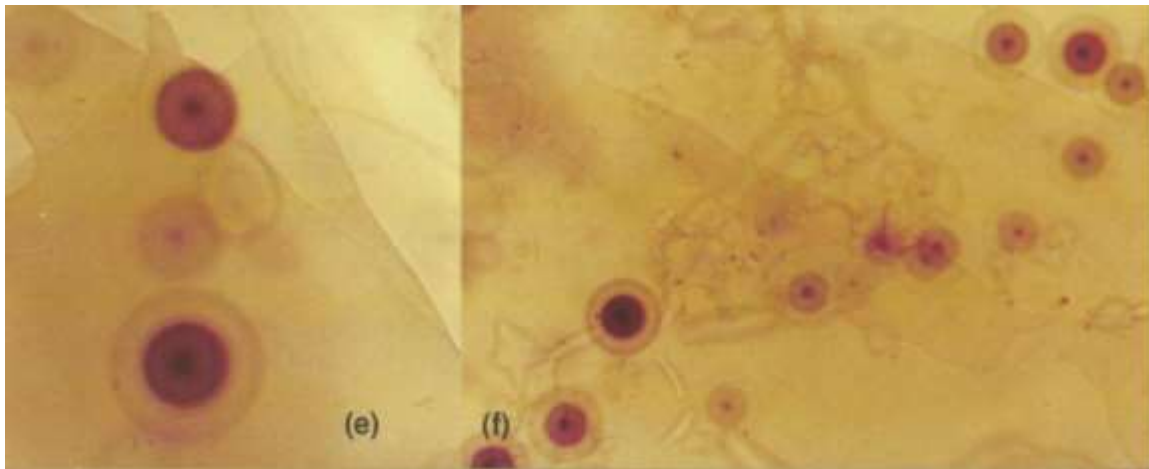
(a) Overlapping ^{210}Po halos in biotite, using phase contrast; 420x power.



(b) and (d) Thorium halo and giant halo in Madagascan mica. 725 x power.



(e) 275x power, and (f) 140x power, Assortment of different polonium halo types in biotite.



(g) ^{214}Po halos in biotite; 275x power.



(h) A ^{210}Po and a ^{214}Po halo in biotite; 260x power.

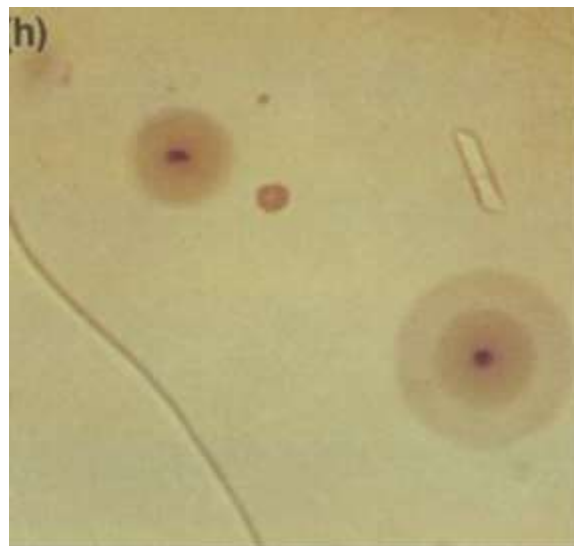


Figure 02 Radiohalo Pictures And Descriptions From Robert Gentry's Book; *Creation's Tiny Mystery*.

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25. Dritt, J.D., "Man's earliest beginnings: discrepancies in the evolutionary timetable," in *Proc. 2nd Internat. Conf. on Creationism*, Vol. I, Creation Science Fellowship (1990), pp.73-78

5.0 THE GEOLOGIC COLUMN

5.1 Complete Geologic Column Is Non-Existent, Except In Text Books.

NOT REALLY ANYWHERE! VON ENGELN & CASTER, "If a pile were to be made by using the greatest thickness of sedimentary beds of each geological age it would be at least 100 miles high. ...It is, of course, impossible to have even a considerable fraction of this great pile available at any one place. The Grand Canyon of the Colorado, for example, is only one mile deep." *GEOLOGY*, p.417

COLUMN IS A CONSTRUCT, DEREK AGER (Past President, British Geological Association) "Nowhere in the world is the record, or even part of it, anywhere near complete." *THE NEW CATASTROPHISM*, 1993, p.14

CONCEPTUAL-NOT ACTUAL, "The end product of correlation is a mental abstraction called the geological column." p.779, 1985, *Encyclopedia Britannica*.

5.2 Complete Column Is Pieced Together By Circular Logic.

BUILT BY CORRELATION, L. DON LEET (Harvard) & SHELDON JUDSON (Princeton), "Because we cannot find sedimentary rocks representing all of earth time neatly in one convenient area, we must piece together the rock sequence from locality to locality. This process of tying one rock sequence in one place to another in some other place is known as correlation, from the Latin for 'together' plus 'relate.'" *PHYSICAL GEOLOGY*, p.181

BY THE FOSSILS, Stephen M. Stanley Johns Hopkins Univ., "...most geologic correlations are still based on fossil occurrences. This is true not only because fossils are more common in sedimentary rocks than are radioactive elements, but also because the analysis of fossils usually allows for greater accuracy." *EARTH AND LIFE THROUGH TIME*, 1986, p.123

NON-RADIOACTIVE CORREIATION, DEREK AGER (Past Pres., British Geol. Asso.) "...fossils have been and still are the best and most accurate method of dating and correlating the rocks in which they occur ...I can think of no cases of radioactive decay being used to date fossils.", *New Scientist*, 11/10/82, p.425

BUILDING THE COLUMN, PUTMAN & BASSETT, "A rock that had an early form of an organism was clearly older than rocks containing later forms. Furthermore, all rocks that had the early form, no matter how far apart those rocks were geographically, would have to be the same age.fossil successions made it possible to say that the Cambrian rocks are older than the Ordovician rocks. In this way our geologic time table came into being. ...Without the theory of evolution and the interdisciplinary science of paleontology, it could not exist." *GEOLOGY* p.544

5.3 Circular Argumentation.

R. H. RASTAL, Cambridge, "It cannot be denied that from a strictly philosophical standpoint geologists are here arguing in a circle. The succession of organisms has been determined by a study of their remains embedded in the rocks, and the relative ages of the rocks are determined by the organisms that they contain." *ENCYCLOPEDIA BRITANNIA*, Vol.X, p.168

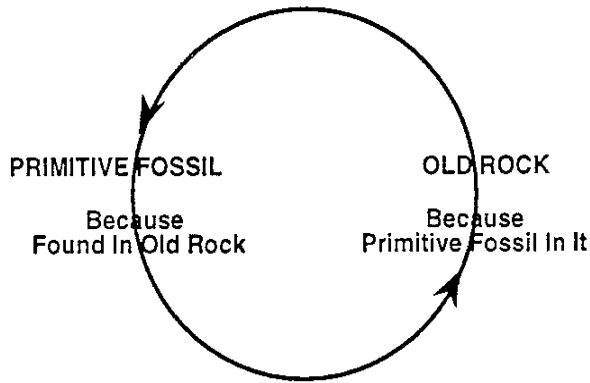


Figure 03 Circular Logic?

TOM KEMP, Oxford, "A circular argument arises: Interpret the fossil record in the terms of a particular theory of evolution, inspect the interpretation, and note that it confirms the theory. Well, it would, wouldn't it?" *New Scientist*, Vol.108, Dec.5, 1985, p. 67

J. E. O'ROURKE, "The rocks do date the fossils, but the fossils date the rocks more accurately. Stratigraphy cannot avoid this kind of reasoning, if it insists on using only temporal concepts, because circularity is inherent in the derivation of time scales." *American Journal of Science*, Vol. 276, p.51

D. B. KITTS, U. of OK., "But the danger of circularity is still present. ... The temporal ordering of biological events beyond the local section may critically involve paleontological correlation...for almost all contemporary paleontologist it rests upon the acceptance of the evolutionary hypothesis." *Evolution* V.28, p.466

DAVID M. RAUP, U. of Chicago; Field Museum of N.H., "The charge that the construction of the geologic scale involves circularity has a certain amount of validity". ... Thus, the procedure is far from ideal and the geologic ranges are constantly being revised (usually extended) as new occurrences are found." *Field Museum of Natural History' Bulletin*, Vol.54, Mar.1983, p.21

5.4 Living Fossils Unfossilized For How Long?

NO REAL ANSWER, NILES ELDRIDGE, Curator, American Museum Of Natural History, "...there seems to have been almost no change in any part we can compare between the living organism and its fossilized progenitors of the remote geological past. Living fossils embody the theme of evolutionary stability to an extreme degree. We have not completely solved the riddle of living fossils." *FOSSILS*, 1991, p.101, 108

Neopilina, Niles Eldridge, Curator, American Museum Of Natural History, "...were thought to have been extinct by the end of the Middle Devonian [385 MYA]. Modern *Neopilina* species, however, were dredged from the deep oceans in the 1950's..." *FOSSILS*, 1991, p.101

Ginkgo, P. Arduini & G. Teruzzi, "The *Ginkgo biloba* is the sole surviving species of a very old group of gymnosperms which died out 100 million years ago." *PREHISTORIC ATLAS*, 1982, p.78

Coelacanth, Keith S. Thomson, Ex. Officer, Academy of Natural Sciences, "Off the coast of southern Africa, in the winter of 1938, a fishing boat called *The Nerine* dragged from the Indian Ocean near the Chalumna River a fish thought to be extinct for 70 million years. The fish was a coelacanth, an animal that thrived concurrently with dinosaurs..." *LIVING FOSSIL*, 1991, From bookcover

Horseshoe Crab, Keith S. Thomson, Ex. Officer, Academy of Natural Sciences, The first members of this group appeared some 424 million years ago in the Silurian and look quite like the modern forms. The last fossils became extinct about 50 million years ago." *LIVING FOSSIL*, 1991, p.72

Dawn Redwood, Keith S. Thomson, Ex. Officer, Academy of Natural Sciences, This species was widespread and reasonably common in the Pliocene of North America... The tree was thought to be extinct worldwide until living specimens were found in central China in 1945." *LIVING FOSSIL*, 1991, p.72

Graptolites, Sue Rigby, British Geol. Survey, "All paleontologist dream of finding a 'living fossil. Noel Dilly, it seems has done so... As graptolites are arguably the most important zone fossils of the Lower Palaeozoic (570-360) MYBP), this is far from an esoteric issue." *Nature*, Vol.363, p.209, 3/18/93

NO FOSSILS FOR HOW LONG? Sydney, Australia (AP) 12/15/1994 "David Noble was out on a holiday hike when he stepped off the beaten path and into the prehistoric age...standing amid trees thought to have disappeared 150 million years ago. 'The discovery is the equivalent of finding a small dinosaur still alive on the earth,' said Carrick Chambers, Director of the Royal Botanic Gardens."

5.5 Falsification Is Theoretically Simple But Practically, Very Difficult

EVOLUTION IS FALSIFIABLE, RICHARD DAWKINS, Oxford, "If a single, well verified mammal skull were to turn up in 500 million year old rocks, our whole modern theory of evolution would be utterly destroyed. Incidentally, this is a sufficient answer to the canard, put about by creationist and their journalistic fellow travelers, that the whole theory of evolution is an 'unfalsifiable' tautology. Ironically, it is also the reason why creationists are so keen on the fake human footprints, which were carved during the depression to fool tourist, in the dinosaur beds of Texas," *THE BLIND WATCHMAKER*, 1986, p.225

EVOLUTION TESTED, Niles Eldridge, American Museum, N.H., "We have been looking at the fossil record as a general test of the notion that life has evolved: to falsify that general idea, we would have to show that forms of life we considered more advanced appear earlier than the simpler forms." *MONKEY BUSINESS*, p.46, 1982

AFRICAN SIGHTINGS, "However, I was astounded to learn recently from Paul Ellenberger (Professor Emeritus, Universite' des Sciences et Techniques du Languedoc) that in a region of profuse dinosaur tracks in Lesotho, the Bushmen left cave paintings illustrating dinosaur footprints, and in some instances also the presumed trackmakers. One of the creatures portrayed by those most superb of all trackers is the distinct outline of an iguanodontid, in

^a Page: 34

: Notice the footprints from Morris & Whitcomb's book. Are these truly fossils?

bipedal stance, with reduced forelimbs and other details remarkably compatible with our present-day enlightened understanding of those ancient creatures. Ammunition here for creationists..." *Ichnos*, V.1, p.151-153, 1990

"HUMAN FOOTPRINTS FOUND ON DINOSAURS' PLATEAU" "...Turkmenian plateau contains more than three thousand footprints! ...But the most mysterious fact is that among the footprints of dinosaurs, footprints of bare human feet were found!" *{Translated from Russian} Komsomolskaya Pravda*, 1/31/1995

6.0 GEOLOGICAL AND ANTHROPOLOGICAL FACTS

6.1 Pictorial Evidence

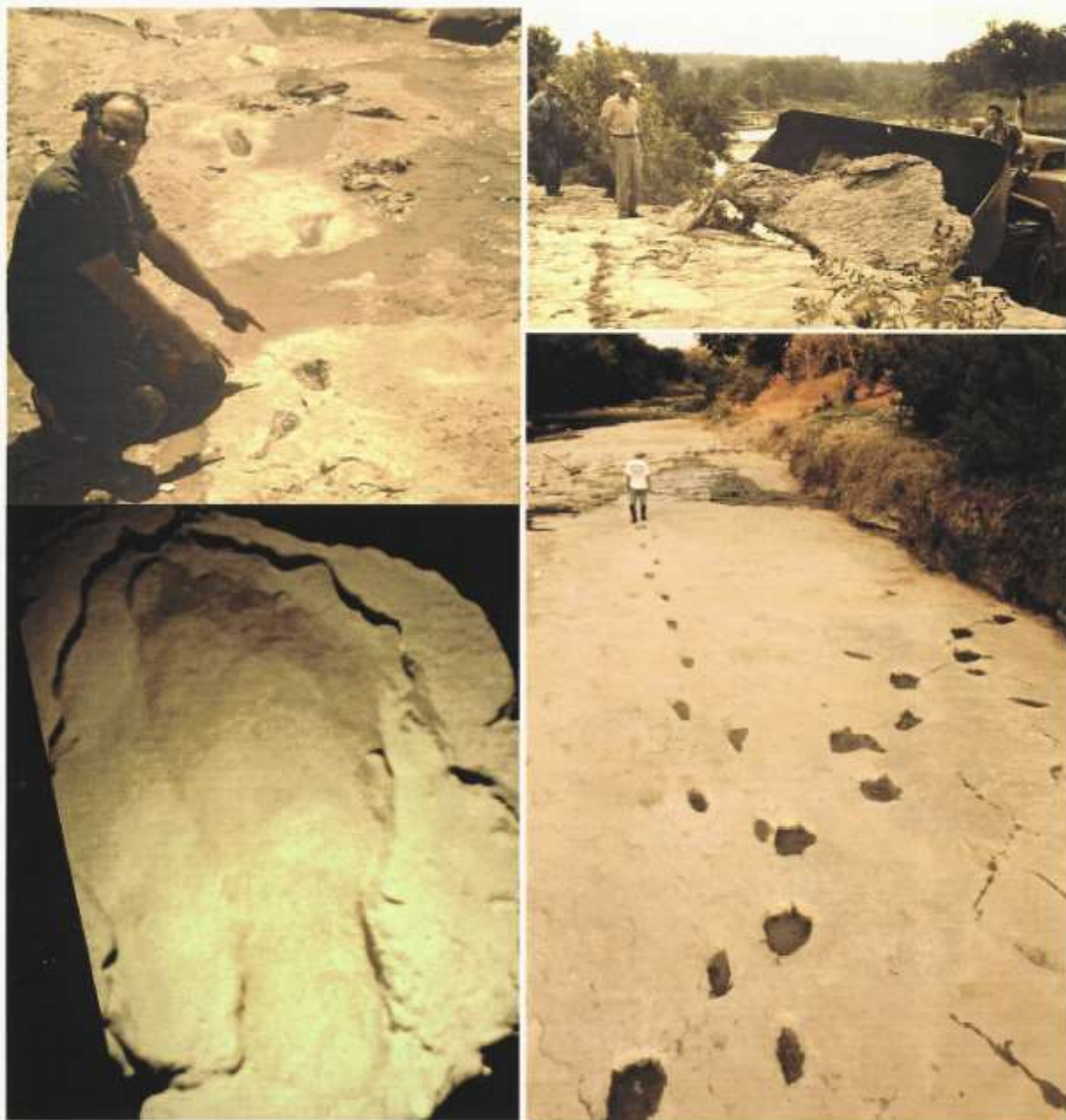
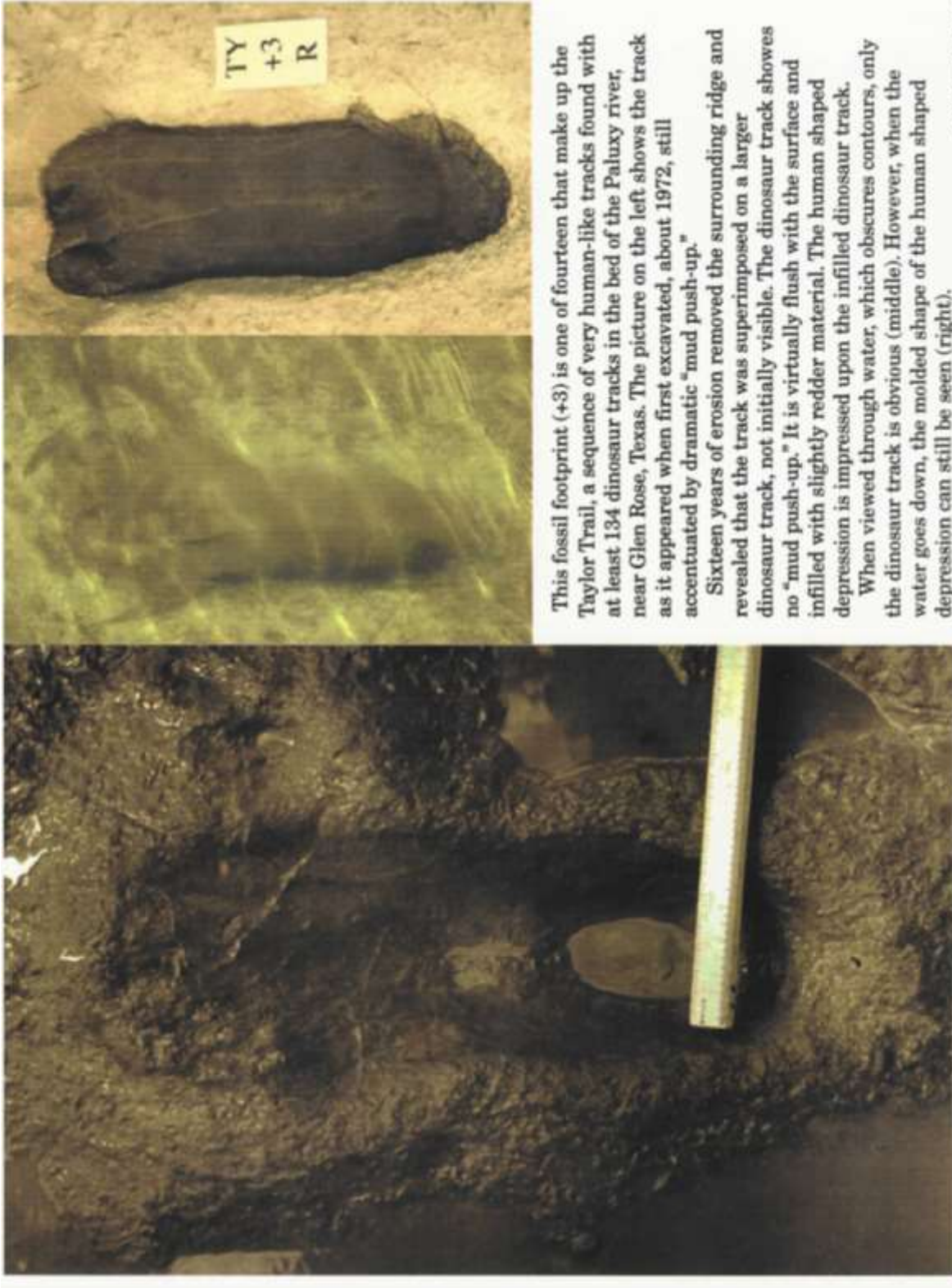


Figure 04. Taylor Trail Page 1

Stan Taylor (above left) began his excavation of the Taylor Trail in 1969 and continued working through 1972. Initially only a few tracks could be seen in the Paluxy River bed, Texas. By following the trail back under the river bank, nine very human tracks were exposed. The process of excavating tracks by removing tons of limestone overburden (above right), effectively eliminated the possibility that the tracks were carved. Stan Taylor made a detailed cast of one of the footprints he discovered (lower left). Subsequent excavations have extended the trail to a total of fourteen tracks in a consistent right-left pattern. The entire sequence was beautifully exposed by a drought in 1999 (above right). A trail of three-toed dinosaur tracks can be seen crossing at an angle of approximately 30 degrees.



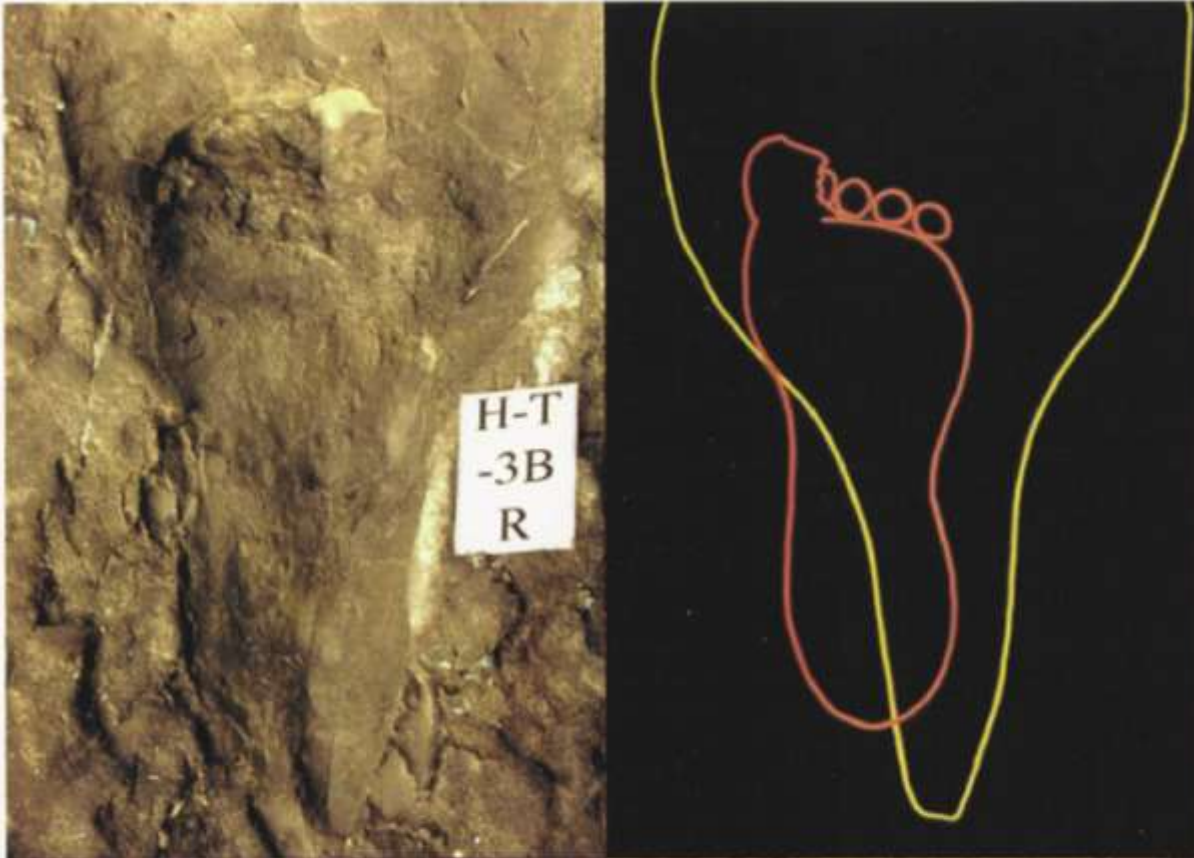
This fossil footprint (+3) is one of fourteen that make up the Taylor Trail, a sequence of very human-like tracks found with at least 134 dinosaur tracks in the bed of the Paluxy river, near Glen Rose, Texas. The picture on the left shows the track as it appeared when first excavated, about 1972, still accentuated by dramatic "mud push-up."

Sixteen years of erosion removed the surrounding ridge and revealed that the track was superimposed on a larger dinosaur track, not initially visible. The dinosaur track shows no "mud push-up." It is virtually flush with the surface and infilled with slightly redder material. The human shaped depression is impressed upon the infilled dinosaur track.

When viewed through water, which obscures contours, only the dinosaur track is obvious (middle). However, when the water goes down, the molded shape of the human shaped depression can still be seen (right).

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Figure 05. Taylor Trail Page 2



H-T
-3B
R

The above fossil footprint (-3B) is in the bed of the Paluxy River near Glen Rose, Texas. It is one of a 14 track sequence called the Taylor Trail. The tracks are consistently 11.5" in length with consistently alternating rights and lefts. They are *among* and, in this case, *within dinosaur tracks*.

On August 12, 1989 Dr. Don Patton spoke at a creation conference in Dayton, TN. He presented compelling evidence that both human and dinosaur tracks were present at the Taylor Trail, including the above pictures. Two well known evolutionists were present and at least one was conspicuously disturbed by this presentation. They flew to Dallas the next morning and went immediately to the Paluxy River. It was reliably reported that they were in the river that afternoon with an "iron bar." Three days before they were in the river the footprint was observed looking like the above picture. Three days after they were in the river, it was observed looking like the picture below, right. (Clear photography was not possible till the water went down several months later, when this photograph was taken.)



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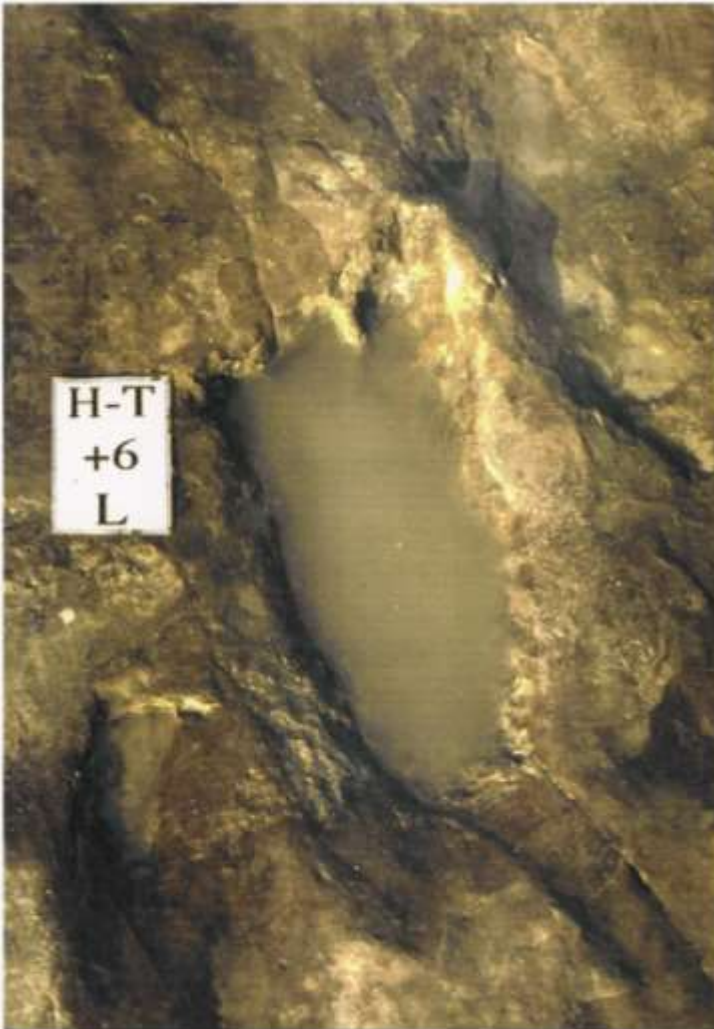
Figure 06. Taylor Trail Page 3



These three views of the same fossil footprints appear in the bed of the Paluxy River near Glen Rose, Texas, famous for its dinosaur tracks. Dinosaur Valley State Park is near by. Here, the 11.5" human-like footprint is superimposed on the heel of a 25" dinosaur track. This right footprint (+5) is followed by a left (+6) which is also 11.5" in length. The right-left pattern is consistent throughout the entire sequence of fourteen 11.5" footprints known as the Taylor Trail.

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Figure 07. Taylor Trail Page 4



The 1988 photograph on the left shows a very human-like fossil footprint in the bed of the Paluxy River near Glen Rose, Texas, well known for its dinosaur tracks. This left footprint is in a sequence of 14 that are left/right consistent and consistently about 11.5 inches in length. The tracks were excavated from beneath six feet of alternating layers of clay and limestone. The surrounding “mud push up” helps demonstrate authenticity.

By 1992 erosion revealed (below) that this footprint was directly beside one of 134 dinosaur prints on the same platform. The entire trail of human-like tracks is among, within, across and, in this case, *beside* 25 inch dinosaur tracks.



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Figure 08. Taylor Trail Page 5



A trail of apparently human fossil footprints in association with dinosaur footprints, was excavated in 1999 in the Paluxy River bed, near Glen Rose, Texas. This new trail, called The McFall Trail, begins about twenty five meters upstream from the Taylor Trail (excavated in the early 70's) and trends in the same direction, offset a couple of meters to the left. It ends where two "perfect human footprints," according to Emmitt McFall, were cut out by he and the Wilson brothers in the 1940's.

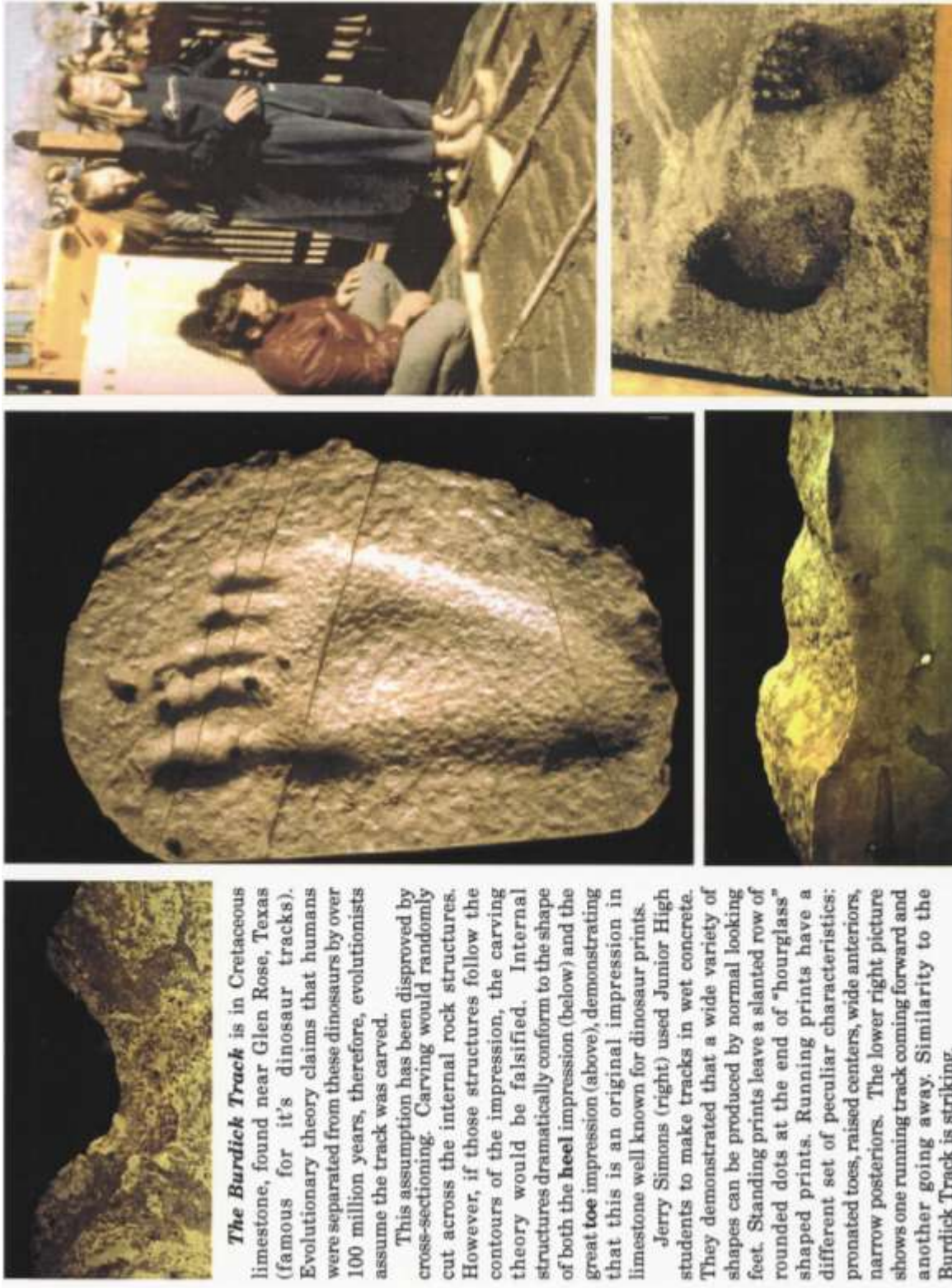
Originally, lime mud similar to wet concrete, washed over dinosaur tracks and filled them. After the dinosaur tracks were filled, a second set of tracks was made, many within the infilled dinosaur tracks. It all hardened into rock which has now been exposed by erosion. The material which filled the dinosaur tracks was more resistant. This differential erosion explains the slightly raised dinosaur tracks.

Print 4 (right) extends into a slightly *raised* dinosaur track similar to matching the raised dinosaur print just inches to the left. This *depressed* human-like track displays all five toes, instep and heel and is surrounded by dramatic "mud push-up" typical of real footprints, but not erosion. It is one of a series of 15 human-like tracks displaying a right-left pattern, consistently 10" in length.



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Figure 09. Taylor Trail Page 6



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The Burdick Track is in Cretaceous limestone, found near Glen Rose, Texas (famous for it's dinosaur tracks). Evolutionary theory claims that humans were separated from these dinosaurs by over 100 million years, therefore, evolutionists assume the track was carved.

This assumption has been disproved by cross-sectioning. Carving would randomly cut across the internal rock structures. However, if those structures follow the contours of the impression, the carving theory would be falsified. Internal structures dramatically conform to the shape of both the heel impression (below) and the great toe impression (above), demonstrating that this is an original impression in limestone well known for dinosaur prints.

Jerry Simons (right) used Junior High students to make tracks in wet concrete. They demonstrated that a wide variety of shapes can be produced by normal looking feet. Standing prints leave a slanted row of rounded dots at the end of "hourglass" shaped prints. Running prints have a different set of peculiar characteristics: pronated toes, raised centers, wide anteriors, narrow posteriors. The lower right picture shows one running track coming forward and another going away. Similarity to the Burdick Track is striking.

Figure 10. Burdick Track
 (Sectioned To Falsify Carving Hypothesis)



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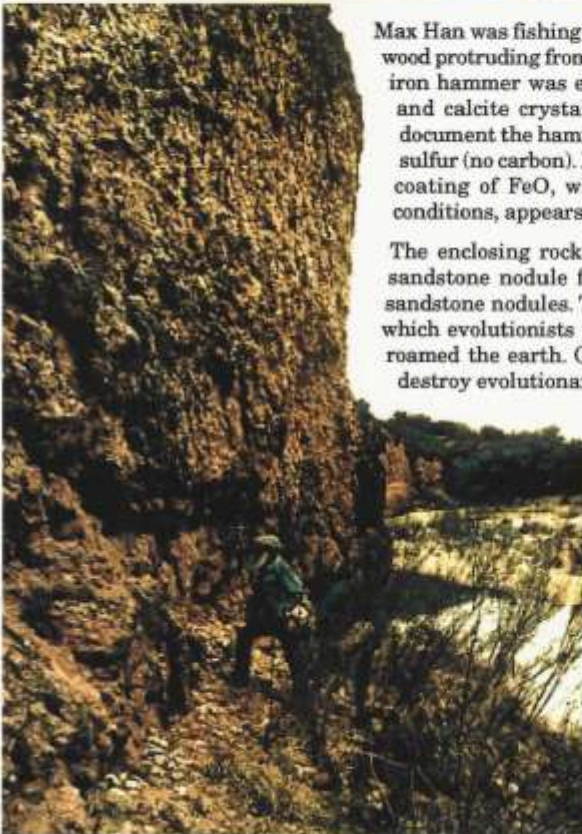
Figure 11. Fossil Finger & Worms – Paluxy River



Max Han was fishing with his family near London, TX when he found a rock with wood protruding from it. When the rock was cracked open, this octagonally shaped iron hammer was exposed. The wood handle is partially coalified with quartz and calcite crystalline inclusions. Tests performed at Battelle Laboratory document the hammer's unusual metallurgy, 96% iron, 2.6% chlorine and .74% sulfur (no carbon). Density test indicate casting of exceptional quality. A unique coating of FeO, which does not readily form under present atmospheric conditions, appears to inhibit rusting.

The enclosing rock contains Lower Cretaceous fossils. It is a concretionary sandstone nodule from the nearby cliff which is made up of concretionary sandstone nodules. This cliff is part of the Lower Cretaceous Edwards Plateau which evolutionists tell us was formed 140 million years ago, when dinosaurs roamed the earth. Of course, the coexistence of humans and dinosaurs would destroy evolutionary theory, so maybe the hammer was made by dinosaurs.

Do you really think so?



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Figure 12. Iron Hammer In Lower Cretaceous Fossil Strata



acknowledged "what paleontologists like to call, 'problematic.'" It described what appeared to be large mammal and bird tracks that, "evolved long after the Permian period, yet these tracks are clearly Permian." With a little detective work and some luck we located the area and even more obvious "problematic." © 2000 Don R. Patton
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In 1987 Jerry MacDonald discovered a wide variety of beautifully preserved fossil footprints in the Robledo Mountains of New Mexico. Rumors were heard about "out of place" fossils but the site remained top secret. Finally a tantalizing article appeared in the Smithsonian Magazine, July, 1992. The article

Figure 13. New Mexico Footprints

Our picture (bottom) showing Dr. Donald R. Patton at "a New Mexico site".



Figure 14. Malachite Man In Lower Cretaceous Dakota Sandstone



How long does it take to form sedimentary layers? Charles Officer is a research professor at Dartmouth. In his 1996 book, *The Great Dinosaur Extinction Mystery*, he says, "...a rate of one centimeter per 1000 years is typical," p.56. But just look and think about this 30 foot fossil tree. It is one of hundreds found near Cookeville, TN in the Kettles coal mines which derived their name from the shape of the lower portion of these fossil trees. This tree begins in one coal seam, protrudes upward through numerous layers and finally into another layer of coal.


Think about that. What would happen to the top of the tree in the thousands of years necessary to cover it at the rate postulated by Officer. Derek Ager, one of the world's best known stratigraphers, addresses this challenge, acknowledging "...standing trees up to 10 m high in the Lancashire coalfield of north-west England. ...Obviously sedimentation had to be very rapid to bury a tree in a standing position before it rotted and fell down. ...Standing trees are known at many levels and in many parts of the world. ...we

cannot escape the conclusion that sedimentation was at times very rapid indeed and that at other times there were long breaks in the sedimentation, though it looks uniform and continuous," *The New Catastrophism*, 1993, p.49.

In spite of how it looks, long periods of time are still claimed, "shoehorned" between the layers, where there is no evidence. Now, which is really better science...imaginative explanations about why things are not as they appear to be, or a determination to follow the implications of what we actually see?

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Figure 15. Fossilized Standing Tree (30 Feet) Starting In A Coal Seam



The Muav Limestone lies toward the bottom of the awesome sedimentary layers of Grand Canyon. These grayish layers are identified as Cambrian because they have Cambrian fossils in them. Cambrian creatures lived at the bottom of the ocean and these rocks indicate an ocean bottom environment. Evolutionists believe Cambrian rocks record a distinct period of time 500 to 600 million years ago.

The Redwall Limestone (actually grey but stained red from overlying clays) is found lying on top of the Muav. It is considered Mississippian because it has Mississippian fossils, remains of creatures that typically lived, not in the depths of the ocean, but on higher shelves of shallow seas.

Evolutionists believe the Mississippian system represents a distinct period of time which occurred many millions years after the Cambrian.

But notice that one is directly on top of the other. According to the story, over 150 million years of rock record that should be between these two systems is missing. The explanation is "erosion." But, look at the contact line, a virtual knife edge that runs straight and level the length of the canyon. Erosion doesn't look like that, certainly not 200 million years of it.

And that's not the worst of it (for the evolutionists). When we examine the interface between these two systems, we see Muav, then Redwall, then Muav, then Redwall, then Muav, then Redwall, etc. The two are interbedded!

Geologists have been appropriately taught for over 300 years that interbedded layers are contemporaneous. It is obvious that these two systems cannot be millions of years apart.

The mental abstraction called the Geologic Column, beautifully illustrated in countless textbooks, depicts rock systems with different life forms which supposedly evolved over millions of years. It says the Cambrian ended 500 million years ago and the Mississippian began 345 million years ago. But here you can see them together, interbedded, rendering the story impossible. You can believe your eyes or believe the lies about what is supposed to have happened many millions of years ago, but you cannot believe both.

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Figure 16. Geologic Column – Interbedded MUAV Limestone Deposits In The Grand Canyon



Figure 17. Stalagmites, Stalactites And Columns In Basement Of George Rogers Clark Memorial (40 Years)



Figure 18. Dinosaur Petroglyphs Under Utah Stone Bridge And Petroglyphs From Colorado

The Limestone Cowboy



Everyone has heard the story. "We know absolutely for certain, it takes millions and millions of years for fossils to petrify." It's so obvious that no proof is necessary and of course no witnesses verify. The claim is just repeated over and over. So we hear, "Everybody knows that."

Oh yea? How old do you think this boot could be? Millions and millions of years old? I suppose it could be made from T. Rex skin. Do you really think so? The rubber-soled boot with petrified cowboy leg, bones and all was found in a dry creek bed near the West Texas town of Iraan, about 1980 by Mr. Jerry Stone, an employee of Corvette oil company.

The boot was hand made by the M. L. Leddy boot company of San Angelo, Texas which began manufacturing boots in 1936. Gayland Leddy, nephew of the founder, grew up in the boot business and now manages Boot Town in Garland, Texas. He recognized the "number 10 stitch pattern" used by his uncle's company where he

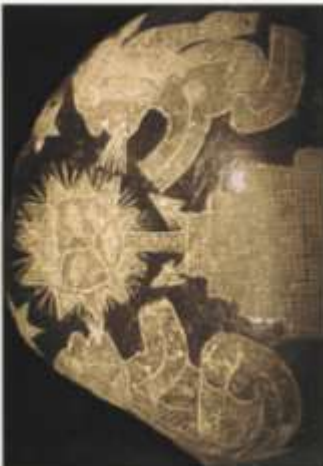
worked for many years. Mr. Leddy believes the boot was made in the early 1950's. Only the contents of the boot are fossilized, not the boot itself, demonstrating that some materials fossilize more readily than others. The bones of the partial leg and foot within the boot were revealed by an elaborate set of C.T. Scans performed at Harris Methodist Hospital in Bedford, Texas on July 24, 1997. The Radiologic Technician was Evelyn Americus, AART. A complete set of these scans remains with the boot at the Creation Evidence Museum in Glen Rose, Texas.

The fact that some materials can fossilize rapidly under certain circumstances is well known by experts in the field and is not really a scientific issue. However, the general public has been misled in order to facilitate the impression of great ages. The dramatic example of the "Limestone Cowboy" immediately communicates the truth of the matter. Fossilization proves nothing about long periods of time.

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Figure 19. The Limestone Cowboy
Our front cover picture.

INCA BURIAL STONES



Dr. Javier Cabrera (above left with Geologist, Dr. Don Patton) was professor of medicine and head of his department at the University of Lima. He has retired from that position and is presently the Cultural Anthropologist for Ica, Peru. In the early 1930's, his father found many of these ceremonial burial stones in area's numerous Inca tombs. Dr. Cabrera has continued his father's research and has collected over 1100 of them. Approximately one third depict the pormographic culture of the Incas, graphically portrayed in the artifacts of that period (c.a. 500-1500 AD). Some picture their idolatry (upper center), others represent amazing accomplishments, such as successful brain surgery (upper right) confirmed by scarred skulls which demonstrate healed recovery.



Almost one third of the stones depict specific types of dinosaurs, like those seen below, as well as Triceratops, Stegosaurus and Pterosaurs. Several diplodocus-like dinosaurs have what appear to be dermal frills (below center). Confirmation of these features has been reported only recently (Geology, 12/1992, v.20, No.12, p.1068-1070).

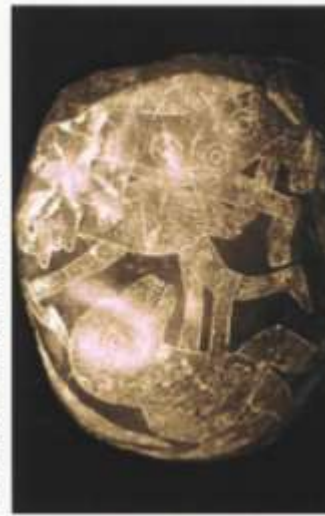
The Indian chronicler, Juan de Santa Cruz Pachacuti Yamqui wrote that at the time of the Inca Pachacuti many carved stones were found in the Kingdom of China, in Chinchayunga, which were called "Manco." (Juan de Santa Cruz Pachacuti Yamqui: "Relacion de antique dades d'este reyno del Peru.") The reference to "Chinchayunga" was the low country of the central coast of Peru, where Ica is located today. "Manco" is believed to be a corruption



of the Aymara word "malku" which means "Chieftain" or "Lord of vessels." It is noted that some of these stones were taken back to Spain. The chronicler of the Incas wrote in about 1570.

The OJO, Lima Domingo, a major newspaper in Lima, Peru on October 3, 1993 described a Spanish Priest traveling in the area of Ica in 1525 inquiring about the unusual engraved stones with strange animals on them.

All of this is very interesting since "modern" man's conception of dinosaurs did not begin until the 1800's when the word dinosaur was coined (1841). These stones do not depict skeletons but live, active dinosaurs, most of whom are seen interacting with man. The obvious implication is that ancient Peruvians saw and lived with dinosaurs.



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Figure 20. Inca Burial Stones, Pottery, Fabric, Figurines - Mexican Figurines

Dr. Javier Cabrera, former professor of medicine and head of his department at the University of Lima is pictured (upper frame) with a discovery he made in 1991. He identified it as a human skull which he had photographed beside a modern skull for comparison. The fossil is embedded in a large boulder fallen from a cliff which runs along the coast of Peru near Paracas. 200K south of Lima. The strata from which the boulder fell are identified on standard geologic maps as Lower Eocene, supposedly 60 million years old. This is, of course, long before man is supposed to have arrived on the scene.

Dr. Dennis Swift (lower, far left) learned of the discovery, traveled to the site and personally saw it in February of 1997. Just three months later he returned to the site with Geologists David McQueen and Dr. Don R. Patton (lower, center) with a view to thoroughly documenting the find and possibly collecting the boulder. However, shortly after he had seen the fossil, pictures and descriptions of the discovery were reported on the front page of the Ica newspaper. By the time he returned in May, the find which threatened to devastate evolutionary theory had been destroyed. Freshly broken rock and the hole where the skull had been were obvious (lower, right) but the critical evidence was gone.

We have an intriguing photograph and the eyewitness testimony of Dr. Javier Cabrera (presently Cultural Anthropologist for Ica). We have the eyewitness testimony of Dr. Dennis Swift from early 1997 but crucial scientific documentation is now impossible.

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Figure 21. Inca Burial Stones



Tombs in the deserts of Peru often preserve amazing artifacts which are very old, including the beautiful, intricate textiles of the Nasca culture (ca. 700 A.D.). These textiles depict living dinosaurs as do their ceremonial burial stones and pottery, indicating that these awesome creatures were still alive at the time and ancient Peruvians saw them.



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Figure 22. Inca Burial Stones, Pottery, Fabric



In 1945 Waldemar Julsrud, a German immigrant and knowledgeable archeologist, discovered clay figurines buried at the foot of El Toro Mountain on the outskirts of Acambaro, Guanajuato, Mexico. Eventually over 33,000 ceramic figurines were found near El Toro as well as Chivo Mountain on the other side of town. Similar artifacts found in the area are identified with the Pre-classical Chupicuaro Culture (800 BC to 200 AD).

The authenticity of Julsrud's find was challenged because the huge collection included dinosaurs. Many archeologists believe dinosaurs have been extinct for the past 65 million years and man's knowledge of them has been limited to the past 200 years. If this is true, man could not possibly have seen and modeled them 2,500 years ago.

In 1954 the Mexican government sent four well known archeologists to investigate. A different but nearby site was selected and a meticulous excavation was begun. They found numerous examples of similar figurines and concluded that Julsrud's find was authentic. However, three weeks later their report declared the collection to be a fraud because of the "fantastic representation of man and dinosaur together."

In 1955 Charles Hapgood, respected¹ Professor of Anthropology at the University of New Hampshire, conducted an elaborate investigation including extensive radiometric dating. He was accompanied by Earl Stanley Gardner, former District Attorney of the city of Los Angeles, California and the creator of *Perry Mason*. They falsified the claim that Julsrud manufactured the figurines, by excavating under the house of

the Chief of Police, which was built 25 years before the Julsrud arrived in Mexico. Forty three more examples of the same type were found. Three radiocarbon tests were performed by Isotopes Incorporated of New Jersey resulting in dates of 1640 BC, 4530 BC and 1110 BC. Eighteen samples were subjected to thermoluminescent testing by the University of Pennsylvania, all of which gave dates of approximately 2500 BC. These results were subsequently withdrawn when it was learned that some of the samples were from dinosaurs.

In 1990 an investigation was conducted by Neal Steedy, an archeologist who's livelihood depends on contract work from the Mexican government. He arbitrarily selected an excavation site considerably removed from the Julsrud site. Chards were found but no figurines. He commissioned radiocarbon tests for a few samples from the Julsrud collection which produced a range of dates; 4000 years for a human face and 1500 years for a dinosaur. However, he concluded that the laboratory had not given true dates because he felt the samples were too soft to last more than 20 years in the ground. It is true that much of the Julsrud collection is not as well fired as typical Chupicuaro pottery (considered about 2500 years old), still some of the dinosaur pieces are. Furthermore, some of the acknowledged Chupicuaro pieces are of the same consistency as the average figurine in the Julsrud collection. The degree of hardness overlaps, therefore Steedy's objection is unjustified.



1. In the forward to the book, *Earth's Shifting Crust*, Albert Einstein said Hapgood's concept could be of "great importance to everything that is related to the earth's surface."

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Figure 23. Mexican Figurines Of Dinosaurs Page 1

The drawing at the left is from Bob Bakker's book, *Dinosaur Heresies* (1986). He begins by telling the story of his realization, "There's something wrong with our dinosaurs." He says, "I had grown up with the dinosaurian orthodoxy about dinosaur ways—how they were swamp bound monsters of sluggish dispositions, plodding with somnolent strides through the sodden terrain..." His contrasting view has drastically altered the way dinosaurs are now depicted.

The same modern ideas are reflected in clay figurines from the Pre-classical Chupicuaro Culture (800 B.C. to 200 A.D.) found near Acambaro, Guanajuato, Mexico.

Ankylosaurs exhibited a great deal of variety as do our modern dogs, however, the general type is readily recognizable in this Acambaro figurine.

The most obvious explanation for hundreds of life-like depictions of dinosaurs is that they have not been gone that long. *These people saw them.*

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Figure 24. Mexican Figurines Of Dinosaurs Page 2

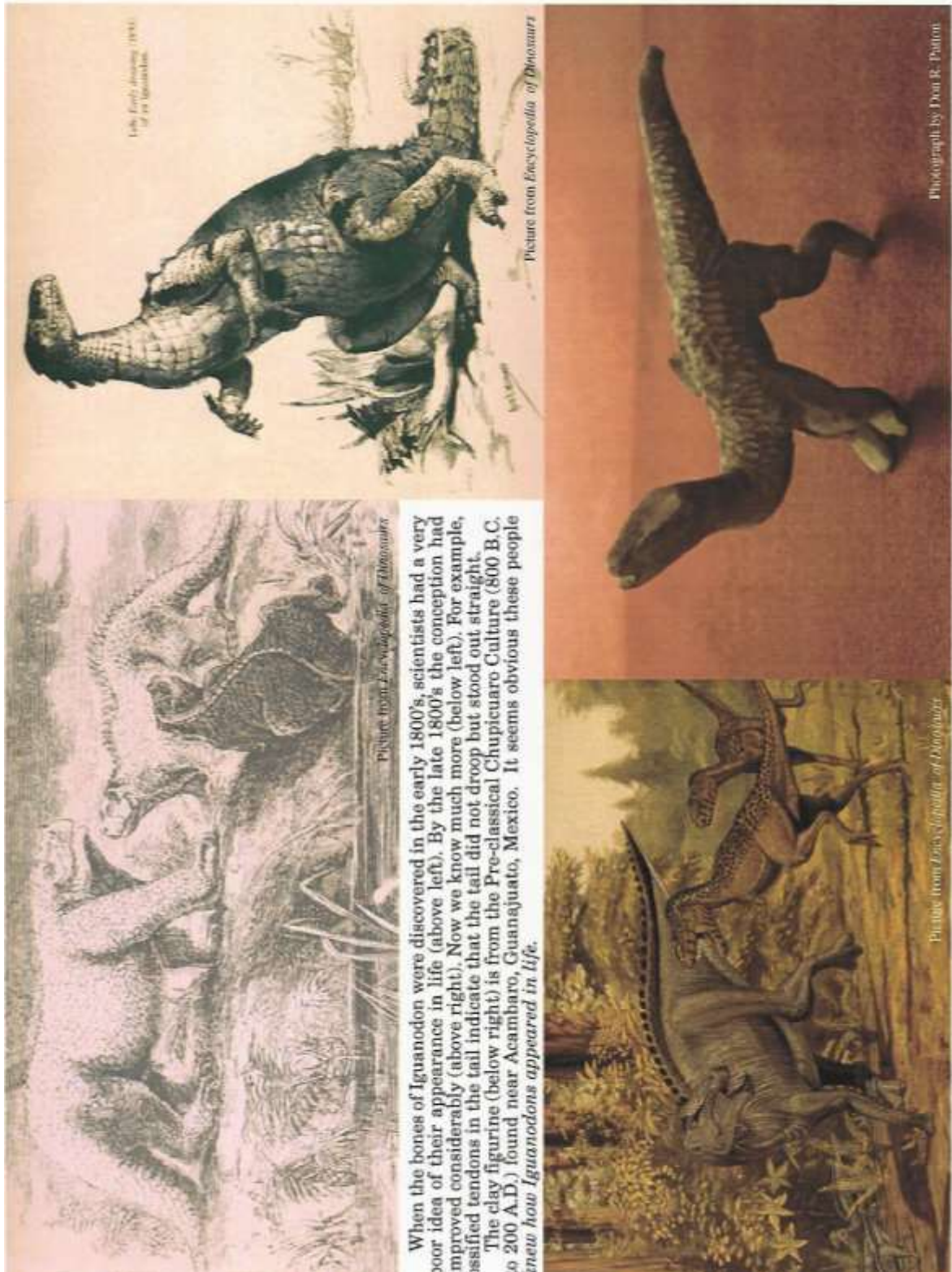


Figure 25. Mexican Figurines Of Dinosaurs Page 3



Figure 26. Mexican Figurines Of Dinosaurs Page 4

**Brief Summary Of Witnesses
To The Authenticity Of The Julsrud Artifacts:**

WALDEMAR JULSRUD was a well educated, well-to-do German who left his country because of the Nazis. He utilized his archeological training in Mexico and was acknowledged to be co-discoverer of the Chupicuaro culture, dating from 800 BC to 200 AD. He wrote the book, *Enigmas Del Pasado* describing his excavation and collection of 37,000 ceramic figurines that were found among the acknowledged Chupicuaro pieces. At least 2600 of these figurines appear to be dinosaurs.

CARLOS JULSRUD II was the son of Waldemar who excavated many of the figurines with his father. He maintained his father's collection until his own death. He was interviewed extensively by Professor Charles Haggood and Earle Stanley Gardner.

CARLOS JULSRUD III was the grandson of Waldemar. He described excavating figurines with his grandfather. In his home in Leon, He showed us a beautiful dinosaur figurine which he had personally excavated. Dr. Dennis Swift and I video taped his account as he stood beside grandfather's tomb.

DR. J. ANTONIO VILLIA HENNEJON is presently a physician in Guadalajara who travels back to Acambaro on weekends to practice medicine gratis for the poor. He spoke to us at length of excavating hundreds of figurines with Julsrud as youth. He sketched several of the dozens of dinosaurs that he and Julsrud dug up. Of course, at the time he knew nothing of dinosaurs. They were just figurines of strange animals to him.

PORFIRIO MARTINEZ ESPINOSO is a prominent accountant in Acambaro. He took Dr. Swift and myself to several sites where he excavated with Julsrud as youth. We saw a number of broken ceramic pieces lying on the surface. (Without permits we could not excavate.) He also sketched a number of the dinosaurs.

CARLOS PEREA is the retired Director of Archeology of the Acambaro zone for the Museum of Anthropology in Mexico City. At the time Julsrud was excavating, it was his responsibility to describe and record all archeological finds. Julsrud often made him angry because he did not always bother to obtain the proper permits, however, Perea confirmed that the figurines were excavated from the Acambaro area and that farmers were constantly finding the same type artifacts, including dinosaurs. He identified several Julsrud dinosaurs from our photographs. All of this was recorded on video tape by Dr. Swift and myself.

CHARLES HAGGOOD was Professor of History and Anthropology at the University of New Hampshire. He personally excavated dozens of figurines, including dinosaurs, from places chosen to refute the ad hoc claim that Julsrud had manufactured his 37,000 artifacts. They excavated under the living room floor of police chief of Acambaro, a house built at least 25 years before Julsrud immigrated from Germany. They excavated under walls and roads that had been undisturbed for centuries and found the typical Julsrud artifacts. Haggood submitted samples for radiometric dating, both C14 and Thermoluminescent. All of dozens of attempts have indicated the figurines were well over 1000 years old. Haggood wrote a detailed description of his investigation in his book, *Mystery Of Acambaro*.

EARLE STANLEY GARDNER was a skilled criminologist and the famous author of the Perry Mason series. He worked with Charles Haggood and applied his detective skills to the investigation. He designed a number of the experimental tests described above and in his book, *Host With The Big Hat*, p.234, concluded: "... it is absolutely, positively out of the question to think that these artifacts which we saw could have been planted." Dozens of the artifacts, including dinosaurs are pictured in his book.

ERNESTO NARRVETE MARINES was Chief of Federal Police for the area which included Acambaro in the late 80's. This Scotland Yard trained investigator confiscated approximately 3,000 figurines from illegal excavators caught in the act near Acambaro (the area shown us by Mr. Espinoseo). He described the Julsrud type figurines to us and sketched one of the dinosaurs. The illegal excavators are now doing time in the Federal Penitentiary in Mexico City (not for excavating phony pottery).

Don R. Patton, Ph.D.



Waldemar Julsrud



Carlos Julsrud, II



Carlos Julsrud, III



Porfirio Martinez Espinoseo



Carlos Perea



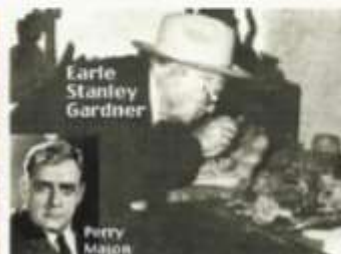
Charles Haggood



Ernesto Narrvete



Dr. J. Antonio Villia Hennejon



Earle Stanley Gardner

Perry Mason

Figure 27. Julsrud Artifacts – Summary Of Witnesses

6.2 Excerpts From "The Genesis Flood", by John C. Whitcomb, Jr. and Henry M. Morris.

The following three pages are extracts from "THE GENESIS FLOOD", by John C. Whitcomb, Jr. and Henry M. Morris, 16th printing, February 1973 ©, 1961 By the Presbyterian and Reformed Publishing Company Philadelphia, Penna. Was Out Of Print.

Table 03. The Evolutionary Geologic Time Table

Figure 5. GEOLOGIC TIME TABLE.

MAIN DIVISIONS AND EVENTS OF GEOLOGICAL TIME

ERAS	PERIODS	CHARACTERISTIC LIFE	ESTIMATED YEARS AGO
CENOZOIC	Quaternary: Recent Epoch Pleistocene Epoch	Rise of modern plants and animals, and man	25,000 975,000
	Tertiary: Pliocene Epoch Miocene " Oligocene " Eocene " Paleocene "	Rise of mammals and development of highest plants	12,000,000 25,000,000 35,000,000 60,000,000 70,000,000
	Cretaceous	Modernized angiosperms and insects abundant. Foraminifers profuse. Extinction of dinosaurs, flying reptiles, and ammonites.	70,000,000 to 200,000,000
	Jurassic	First (reptilian) birds. First of highest forms of insects. First (primitive) angiosperms.	
	Triassic	Earliest dinosaurs, flying reptiles, marine reptiles, and primitive mammals. Cycads and conifers common. Modern corals common. Earliest ammonites.	
PALEOZOIC	Permian	Rise of primitive reptiles. Earliest cycads and conifers. Extinction of trilobites. First modern corals.	200,000,000 to 500,000,000
	Pennsylvanian	Earliest known insects. Spore plants abundant.	
	Mississippian	Rise of amphibians. Culmination of crinoids.	
	Devonian	First known seed plants. Great variety of boneless fishes. First evidence of amphibians.	
	Silurian	Earliest known land animals. Primitive land plants. Rise of fishes. Brachiopods, trilobites, and corals abundant.	
	Ordovician	Earliest known vertebrates. Graptolites, corals, brachiopods, cephalopods, and trilobites abundant. Oldest primitive land plants.	
	Cambrian	All subkingdoms of invertebrate animals represented. Brachiopods and trilobites common.	
PROTEROZOIC	Keweenawan	Primitive water-dwelling plants and animals.	500,000,000 to
	Huronian		1,000,000,000
ARCHEOZOIC	Timiskaming	Oldest known life (mostly indirect evidence).	1,000,000,000 to
	Keewatin		1,800,000,000



Figure 28. Footprints In Cretaceous River Bed

“These Dinosaur tracks were supposedly made over 100,000,000 years ago, in a river bed now identified as formed in the Cretaceous Period. Aside from the remarkable and hardly believable claim that such ephemeral markings could have been preserved in such fine detail for such a long time, it is particularly significant that in the same bed have been found what appear to be human footprints.”

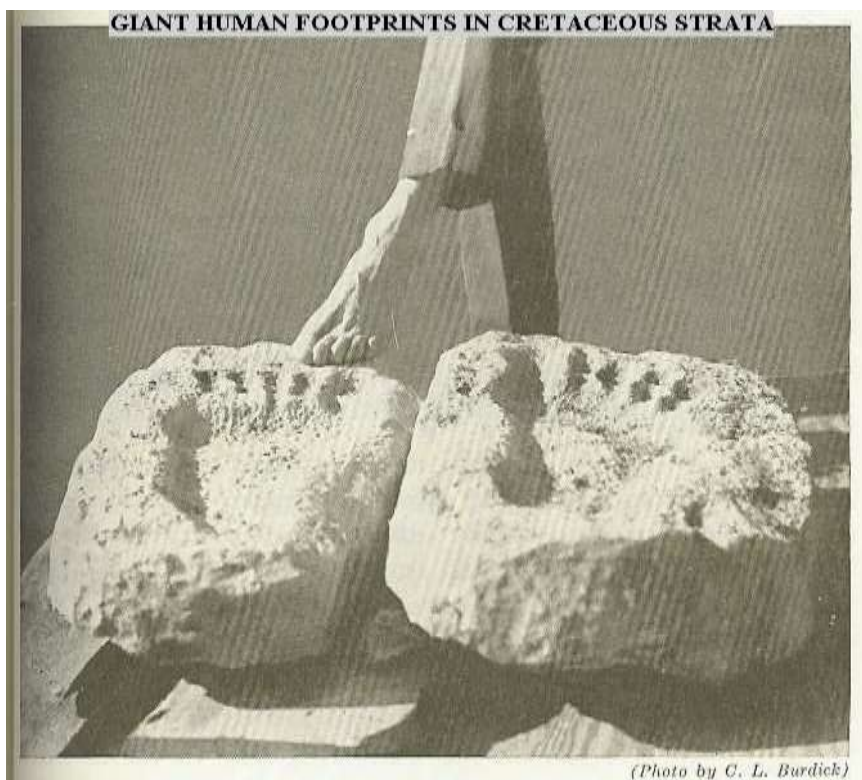
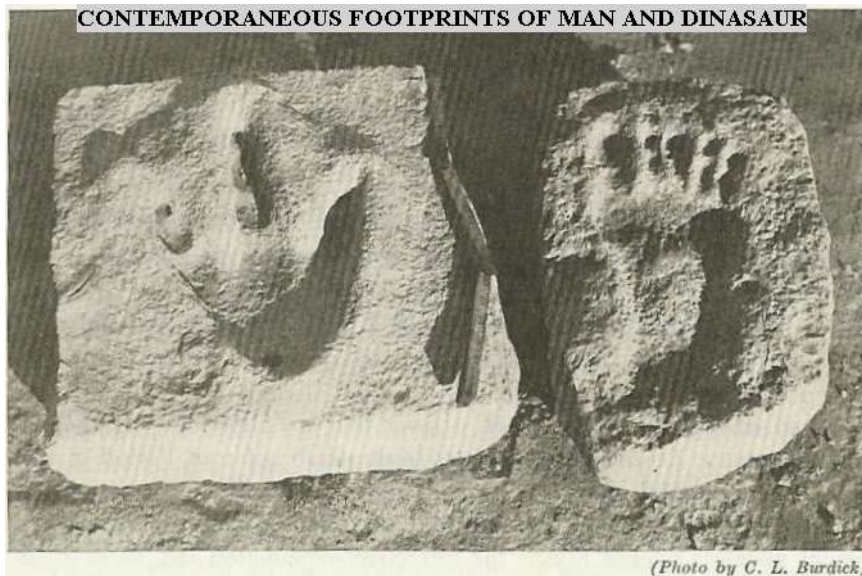


Figure 29. “There Were Giants In The Earth In Those Days”

Gen 6:4 There were giants (Nephilim) in the earth in those days; and also after that, when the sons of God came in unto the daughters of men, and they bare children to them, the same *became* (were the) mighty men which *were* of old, men of renown.

The pictures and descriptions for figures 28-29 were extracted from and used through the courtesy of Dr. John Whitcomb, co-author of “The GENESIS FLOOD”.

6.3 “There Were Giants In The Earth In Those Days.”

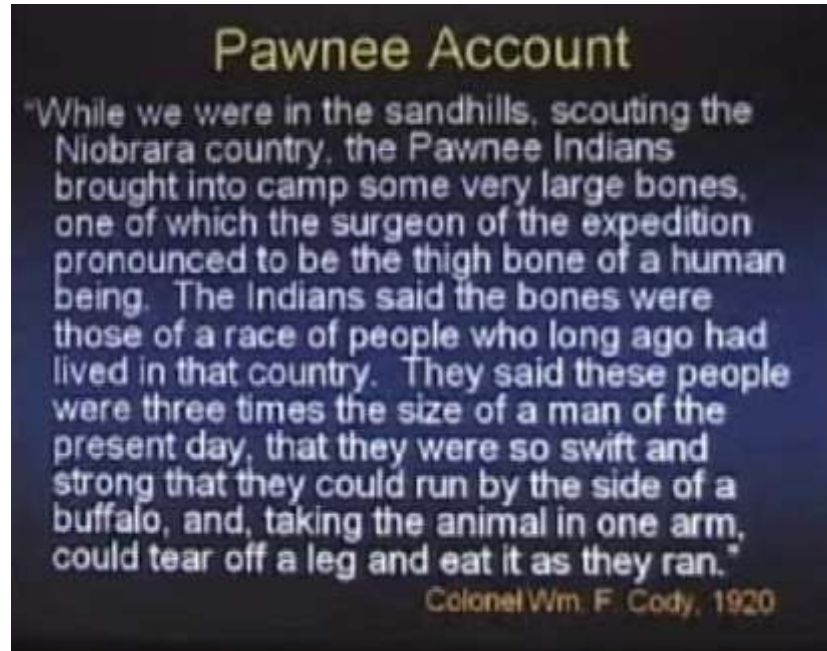


Figure 30. “There Were Giants In The Earth In Those Days - Men Of Renown”
Courtesy of Dr. Chuck Missler

Where did these Giants come from? Many (as do I) take a Biblical approach. Genesis 6, suggests a solution.¹

- Gen 6:1 And it came to pass, when men began to multiply on the face of the earth, and daughters were born unto them,
- 2 That the sons of God (Who were these O.T. sons of God? Job) saw the daughters of men that they *were* fair; and they took them wives of all which they chose.
- 3 And the LORD said, My spirit shall not always strive with man, for that he also *is* flesh: yet his days shall be an hundred and twenty years.
- 4 There were giants (Heb נִפְלִיִּם *‘the Nephilim’*) in the earth in those days; **and also after that**, when the sons of God came in unto the daughters of men, and they bare *children* to them, the same *became* mighty men which *were* of old, men of renown.
- 5 And GOD saw that the wickedness of man *was* great in the earth, and *that* every imagination of the thoughts of his heart *was* only evil continually. {*every...: or, the whole imagination: the Hebrew word signifieth not only the imagination, but also the purposes and desires*} {*continually: Heb. every day*}
- 6 And it repented the LORD that he had made man on the earth, and it grieved him at his heart.
- 7 And the LORD said, I will destroy man whom I have created from the face of the earth; both man, and beast, and the creeping thing, and the fowls of the air; for it repenteth me that I have made them. {*both...: Heb. from man unto beast*}
- 8 But Noah found grace in the eyes of the LORD.

Gen 6:2, 6:4, Job 1:6, 2:1, 38:7 I believe that the sons of God in the Hebrew Scriptures refer to created angels (always a creation of God not something that was made from . . .as was Eve, and all ‘natural men’, etc. It appears that Adam was a “son of God”, Luke 3:38 (as was the man-side of Jesus of Nazareth - ‘the Last Adam’) because he was created^a. We may then ask, ‘What

^a The God-Man, Lord-Jesus was sired by God and should dispel doubts that the author/editor thinks that the Greater Son Of God was a created being. (As does the Watchtower, the Way International, etc.)

happened to these “sons of God”, that is, the evil angels? In accordance with Jude 6-7:

- 6 (ASV) And angels that kept not their own principality, but left their proper habitation, he hath kept in everlasting bonds under darkness unto the judgment of the great day. (ASV)
- 7 (ASV) Even as Sodom and Gomorrah, and the cities about them, having **in like manner with these** given themselves over to fornication and gone after strange flesh, are set forth {1} as an example, suffering the punishment of eternal fire. {1) Or as an example of eternal fire, suffering punishment} (ASV)

and 2Peter 2:4

- 4 (ASV) For if God spared not angels when they sinned, but {1} cast them down to {2} hell, and committed them to {3} pits of darkness, to be reserved unto judgment; {1) Or cast them into dungeons 2) Gr Tartarus 3) Some ancient authorities read chains; Compare Wis 17:17} (ASV)

But what of the progeny of the unlawful copulation between these ‘fallen’ angels (nephilim^a)? Gen 6 answers this question. They were also extraordinary men: “and they bare children to them, the same became mighty men^b, (and women?) which were of old, men of renown.”

These genes permeated men before the flood which is one of the main reasons for the flood. These genes were evidently present in certain people (probably the wife(wives) of Noah’s sons. Notice the later mention of progeny includes giants, the Rapha^c. Notice, also, the phrase in Gen 6:4 ‘and also after that’.

6.4 Companion Bible Appendix 25. The Nephilim, Or "Giants" Of Gen. 6, & other Scriptures.

By E. W. Bullinger

The progeny of the fallen angels with the daughters of Adam (see notes on Gen. 6, and Ap. 23) are called in Gen. 6, Ne-phil-im, which means fallen ones (from naphal, to fall). What these beings were can be gathered only from Scripture. They were evidently great in size, as well as great in wickedness. They were superhuman, abnormal beings; and their destruction was necessary for the preservation of the human race, and for the faithfulness of Jehovah's Word (Gen. 3:15).

This was why the Flood was brought "upon the world of the ungodly" (2Pet. 2:5) as prophesied by Enoch (Jude 14).

But we read of the Nephilim again in Num. 13:33 : "there we saw the Nephilim, the sons of Anak, which come of the Nephilim". How, it may be asked, could this be, if they were all destroyed in the Flood? The answer is

^a Heb. *nephilim*. The signification of this word is uncertain: some trace it to a root 'to fall,' but then it is not clear whether it signifies 'fallen ones,' or 'those who fall upon.' They were men of great stature, which made the Israelites consider themselves as grasshoppers in comparison. They are not said (as has been supposed) to be the offspring of the sons of God and the daughters of men: those born of them are described as "mighty men (*gibborim*) which were *of old* men of renown." The nephilim are merely said to be "in the earth in those days," and they were also seen by the spies about a thousand years afterwards: this is all that is revealed respecting them. The various ancient versions confirm the translation of 'giants.' #Ge 6:4 Nu 13:33.

^b Heb. *gibbor*, 'mighty, strong,' as the word is often elsewhere translated. #Job 16:14.

^c Heb. *rapha*, 'a fearful one.' In the plural and with the article it is treated as a proper name, the REPHAIM, or sons of Raphah, a race of giants who lived beyond the Jordan, from whom Og the giant king of Bashan descended. The sons of Raphah were afterwards found among the Philistines. At times the term Rephaim applies to any people in Canaan who were of great stature. #De 2:11,20 3:11,13 Jos 12:4 13:12,15:8 17:15 18:16 1Ch 20:4,6,8. The word Rephaim is untranslated in #Ge 14:5 15:20. The word *raphah*, same as *rapha*. #2Sa 21:16-22.

contained in Gen. 6:4, where we read : **"There were Nephilim in the earth in those days (i.e. in the days of Noah); and also AFTER THAT, when the sons of God came in unto the daughters of men, and they bare children to them, the same became [the] mighty men (Heb. gibbor, the heroes) which were of old, men of renown" (lit. men of the name, i.e. who got a name and were renowned for their ungodliness).**

So that "after that", i.e. after the Flood, there was a second irruption of these fallen angels, evidently smaller in number^a and more limited in area, for they were for the most part confined to Canaan, and were in fact known as "the nations of Canaan". It was for the destruction of these, that the sword of Israel was necessary, as the Flood had been before .

As to the date of this second irruption, it was evidently soon after it became known that the seed was to come through Abraham; for, when he came out from Haran (Gen. 12:6) and entered Canaan, the significant fact is stated : "The Canaanite was then (i.e. already) in the land." And in Gen. 14:5 they were already known as "Raphain" and Emim", and had established themselves at Asteroth Karnaim and Shaven Kiriathaim.

In ch. 15:18-21 they are enumerated and named among Canaanite Peoples : "Kenites, and the Kenizzites, and the Kadmonites, and the Hittites, and the Perizzites, and the Rephaims, and the Amorites, and the Girgashites, and the Jebusites" (Gen. 15:19-21; cp. Ex. 3:8, 17; 23:23. Deut. 7; 20:17. Josh. 12:8).

These were to be cut off, and driven out, and utterly destroyed (Deut. 20:17. Josh. 3:10). But Israel failed in this (Josh. 13:13; 15:63; 16:10; 17:18. Judg. 1:19, 20, 28, 29, 30-36; 2:1-5; 3:1-7); and we know not how many got away to other countries to escape the general destruction. If this were recognized it would go far to solve many problems connected with Anthropology.

As to their other names, they were called Anakim, from on Anak which came of the Nephilim (Num. 13:23), and Rephaim, from Rapha, another notable one among them. From Deut. 2:10, they were known by some as Emim, and Horim, and Zamzumim (v. 20, 21) and Avim, &c.

As Rephaim they were well known, and are often mentioned : but, unfortunately, instead of this, their proper name, being preserved, it is variously translated as "dead", "deceased", or "giants". **These Rephaim are to have no resurrection. This fact is stated in Isa. 26:14 (where the proper name is rendered "deceased," and v. 19, where it is rendered "the dead"). It is rendered "dead" seven times (Job 26:5. Ps. 88:10. Prov. 2:18; 9:18; 21:16. Isa. 14:8; 26:19). It is rendered "deceased" in Isa. 26:14.**

6.5 The Nephilim.

Finally, a quote from Stepen Quayle² on the Nephilim – Giants:

"When one realizes that the sons of God in Genesis are angels, then it becomes apparent that they came to Earth, committed a great sin in mating with human women (the daughters of men), and that they had evil offspring who are described as giants.

Nephilim and Mankind

In the Hebrew language of the Bible, the word translated here as "giant" or "giants" is Nephilim or Nephil, with the plural being Nephilim. The word nephilim means literally a "feller", an old English word that connotes a "bully" or "tyrant" as well as a large being. It would seem, once again, that there is a general recognition that while Greek and other myths may not be as accurate as the Bible, they are based on elements of truth. While, obviously, not as much credence can be placed in the Greek myths as other sources of information, the clues can provide a way to uncover information.

Before going any further, I want to note that the Nephilim were much different from those suffering from the physical ailment known as gigantism. Gigantism is caused by hormonal

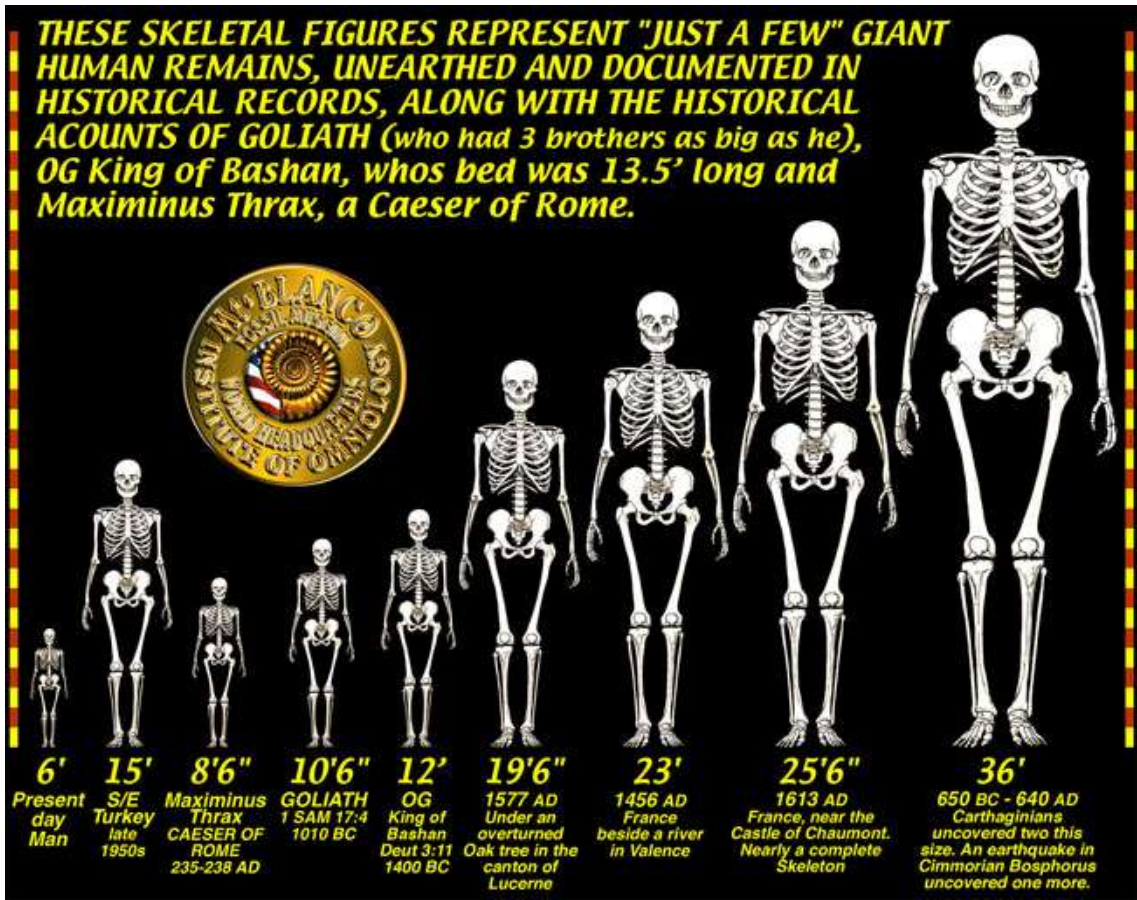
^a There are now evidences of Giants appearing after the flood in various areas of the world. Ref. GIANTS Against Evolution.

problems or injections of artificial growth hormone; it occurs nationally in about 1 per million people in a general population. This condition is caused by a pituitary problem and can be genetically transmitted. Those suffering from this disease are very weak, not strong. This symptom of weakness is in marked contrast to the offspring produced from an angel/woman union. The Nephilim are described as "mighty men", a title that appears to be added to the Bible just so there'd be no confusion in later generations about what was being talked about. This point alone, makes the Nephilim quite different from those suffering from gigantism.

Furthermore, as we'll see later, this superhuman strength is an important clue that proves the giants, seen in historical accounts of the past, were also very different from the modern ailment of gigantism.

Thus, it is important to remember that Gigantism and Nephilimism are two very different things.

However, the fact that human beings can obtain larger than normal size through what amounts to a minor flaw in their genetic code, also bolsters the fact that giants could be the logical result from an alteration of human genetic traits as might result from a human/angel mating. That gigantism mimics the results of the "mighty men" of old, is in itself a good argument that such a thing is possible."



“Now Smile Everyone”.

Figure 31. "THERE WERE GIANTS IN THE EARTH IN THOSE DAYS”.

Picture courtesy of the Mt. Blanco Fossil Museum, Crosbyton, Tx 79322.



47 inch Human Femur

In the late 1950s, during road construction in south-east Turkey in the Euphrates Valley, many tombs containing the remains of Giants were uncovered.

At two sites the leg bones were measured to be about 120 cms "47.24 inches".

Joe Taylor, Director of the Mt. BLANCO FOSSIL MUSEUM in Crosbyton, Texas, was commissioned to sculpt this anatomically correct, and to scale, human femur.

This "Giant" stood some 14-16 feet tall, and had 20-22 inch long feet.

His or Her finger tips, with arms to their sides, would be about 6 feet above the ground.

The Biblical record, in Deuteronomy 3:11 states that the Iron Bed of Og, King of Bashan was 9 cubits by 4 cubits or approximately 14 feet long by 6 feet wide!

GENESIS 6:4

There were Nephilim (Giants) in the earth in those days; and also after that when the sons of God (Angels?) came in unto the daughters of men, and they bare children to them, the same became mighty men which were of old, men of renown.

More Info & Replicas available at mtblanco1@aol.com or www.mtblanco.com
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Giant Bone, Eye Witness Account

Figure 32. Eyewitness Account – A 47 Inch Human Femur.

Picture courtesy of the Mt. Blanco Fossil Museum, Crosbyton, Tx 79322.
A REAL Bigfoot?

“AS IT WAS IN THE DAYS OF NOAH”^a

Luke 17:26 And as it was in the days of Noe, so shall it be also in the days of the Son of man.

27 They did eat, they drank, they married wives, they were given in marriage, until the day that Noe entered into the ark, and the flood came, and destroyed them all.

28 Likewise also as it was in the days of Lot; they did eat, they drank, they bought, they sold, they planted, they builded;

29 But the same day that Lot went out of Sodom it rained fire and brimstone from heaven, and destroyed them all.

30 Even thus shall it be in the day when the Son of man is revealed.

31 In that day, he which shall be upon the housetop, and his stuff in the house, let him not come down to take it away: and he that is in the field, let him likewise not return back.

Remember: Not all the evil angels (watchers) were involved in the Genesis 6 affair. There are still plenty more around that could be the Satanic Agents used to possibly do (repeat) what those involved in the Genesis 6 affair did.

^a N. Carlson, *AS IT WAS IN THE DAYS OF NOAH - A MODERN COSMIC DRAMA IN 3 ACTS - A Look At The Present And Coming World Dilemma In The Light Of Genesis 6:1-8 and other related passages.* - A Christian Apologetic, 2014, Create Space/Amazon Publishers. . 408 Pgs.



Figure 33. FOSSIL MAN - So Much For Evolution

THE FOLLOWING IS A DISPLAY OF 3 MANDERIN CHINESE WORDS WHICH REV. DAVID KING SHOWED TO ME IN MAY 1969. D. KING IS AN INDEPENDENT MISSIONARY TO FORMOSA & WHO MIRACULOUSLY LEARNED THIS DIALECT (BOTH WRITTEN & SPOKEN) IN 6 MO. TIME.

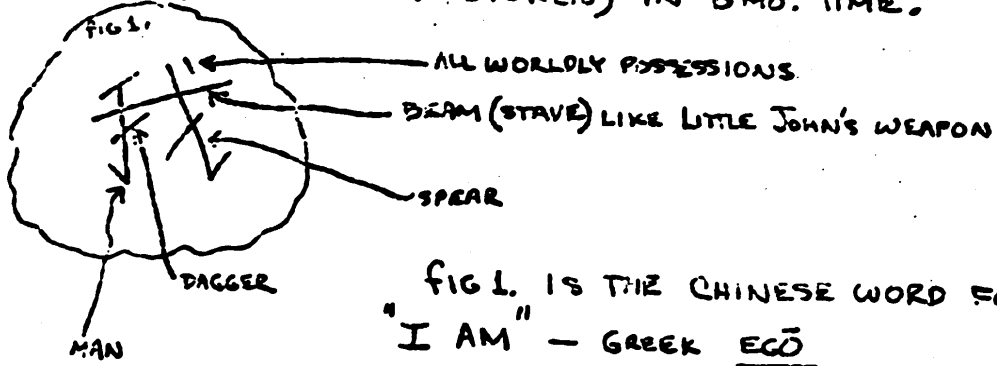


FIG 2. PORTRAYS THE "I AM" WORD ONLY THIS TIME IT IS COVERED BY THE CHINESE CHARACTER FOR SHEEP - THIS WORD, (ALL OF FIG 2.) IS THUS TRANSFORMED INTO THE CHINESE CHARACTER FOR RIGHTEOUSNESS.

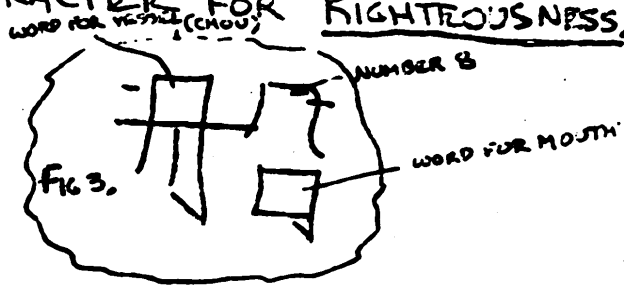
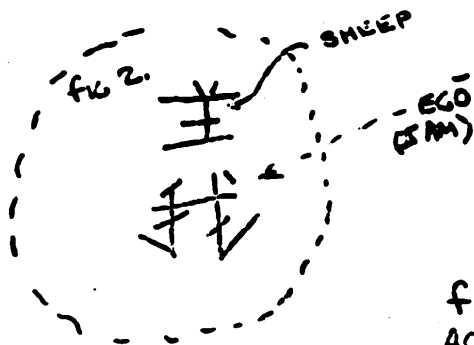


FIG 3. IS THE CHARACTER FOR BOAT ACTUALLY 8 MOUTHS IN A BOAT.

FIG. 4 IS THE CHINESE CHARACTER FOR "COME"

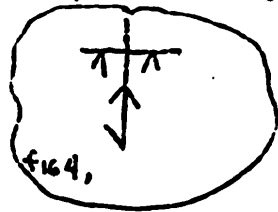


Figure 34. Illustration From A Primitive Culture.

6.6 Testimonial Evidence

See Figures 28-32

ERNST MAYR, Harvard, "Creationists have stated that humans and dinosaurs were contemporaries in time...Were this momentous statement true the names of its discoverers would thunder down the corridors of time as individuals who made one of the most outstanding discoveries of the twentieth century." *Gish-Mayr Debate*, Evansville, Indiana.

STEVEN M. STANLEY, Johns Hopkins Univ., "There is an infinite variety of ways in which, since 1859, the general concept of evolution might have been demolished. Consider the fossil record--a little known resource in Darwin's day. The unequivocal discovery of a fossil population of horses in Precambrian rocks would disprove evolution. More generally, any topsy-turvy sequence of fossils would force us to rethink our theory, yet not a single one has come to light. As Darwin recognized, a single geographic inconsistency would have nearly the same power of destruction." *THE NEW EVOLUTIONARY TIMETABLE*, 1981, p.171

MILNE & SCHAFERSMAN, "Such an occurrence would seriously disrupt conventional interpretations of biological and geological history and would support the doctrines of creationism and catastrophism." *Journal Of Geological Education*, 1983, p.111

NOVA TV Special, *God; Darwin And The Dinosaurs*, ". dinosaur footprints, side by side with humans. Finding them would counter evidence that humans evolved long after the dinosaurs became extinct and back up...[the] claim that all species, including man, were created at one time."

6.7 Revolution To Catastrophism Among Contemporary Geologist

RECORD IS CATASTROPHIC, DAVID RAUP, Chicago Field Museum, Univ. of Chicago, "A great deal has changed, however, and contemporary geologists and paleontologists now generally accept catastrophe as a 'way of life' although they may avoid the word catastrophe... The periods of relative quiet contribute only a small part of the record. The days are almost gone when a geologist looks at such a sequence, measures its thickness, estimates the total amount of elapsed time, and then divides one by the other to compute the rate of deposition in centimeters per thousand years. The nineteenth-century idea of uniformitarianism and gradualism still exist in popular treatments of geology, in some museum exhibits, and in lower level textbooks. ...one can hardly blame the creationists for having the idea that the conventional wisdom in geology is still a non-catastrophic one." *Field Museum of Natural History! Bulletin* (Vol.54, March 1983), p.21

"THE RULE," ROBERT H. DQTT, Presidential Address To Society of Economic Paleontologists & Mineralogists, "I hope I have convinced you that the sedimentary record is largely a record of episodic events rather than being uniformly continuous. My message is that episodicity is the rule, not the exception. ...we need to shed those lingering subconscious constraints of old uniformitarian thinking." *Geotimes*, Nov. 1982, p.16

CATAclysmic Burial, JOHN R. HORNER, "...there were 30 million fossil fragments in that area. At a conservative estimate, we had discovered the tomb of 10,000 dinosaurs ...there was a flood. This was no ordinary spring flood from one of the streams in the area but a catastrophic inundation. ...That's our best explanation. It seems to make the most sense, and on the basis of it we believe that this was a living, breathing group of dinosaurs destroyed in one catastrophic moment." *DINOSAURS*, 1988, p.131

6.8 Alternate Explanation: Universal, Cataclysmic, Year-Long Flood

NICHOLAS STENO (Father of Modern Stratigraphy), DOTT & BATTIN, "Besides correctly interpreting fossils, Steno drew some even more important conclusions about the strata in which they occur. The result was formulation of most basic principles for analysis of earth history. Steno showed great insight...Steno's axioms provide the ultimate basis of practically all interpretation of earth history, so their importance can hardly be overemphasized." *EVOLUTION OF THE EARTH*, p.24

ORDERED SEQUENCE? DAVID M. RAUP, U. of Chicago, Chicago Field Mus. Nat. Hist., "The fossil record of evolution is amenable to a wide variety of models ranging from completely deterministic to completely stochastic." *American Scientist*, Vol.65, Jan.-Feb. p.57 ("STOCHASTIC," "...of, pertaining to or arising from chance; involving probability; random..." p.1402, *WEBSTER'S NEW WORLD DICTIONARY*)

TIME RELATIONS? DUNBAR & ROGERS, "...though facies and faunal relations are recorded in the rocks and fossils, and their determination can be reasonable exact and objective, time relations are not so recorded, and their determination remains an ideal, toward which we strive, but which we can only approximate... It follows that correlation, being...essentially an interpretation, is the result of personal judgment, and that it can never be wholly objective,..." *PRINCIPLES OF STRATIGRAPHY*, p. 272

SEGREGATED FOSSIL ASSEMBLAGES, GILLULY, WALTERS, WOODFORD, "In correlating rock strata by comparison of fossils, it is important to keep in mind the limitations to the spread of organisms imposed by their natural habitats. Many different depositional environments exist. . . Each environment has its characteristic group of animals and plants, that live contemporaneously...For example, we do not expect to find the bones of antelopes in a coral reef, nor coral in a desert sand dune. ...we would not expect to find the same fossils entombed in all the varied deposits formed." *PRINCIPLES OF GEOLOGY*, p.101

FOSSIL PROGRESSION? DAVID RAUP, Chicago Field Museum, Prof. of Geology, U. of Chicago, "A large number of well-trained scientists outside of evolutionary biology and paleontology have unfortunately gotten the idea that the fossil record is far more Darwinian than it is. This probably comes from the oversimplification inevitable in secondary sources: low-level textbooks, semi-popular articles, and so on. Also, there is probably some wishful thinking involved. In the years after Darwin, his advocates hoped to find predictable progressions. In general, these have not been found yet the optimism has died hard, and some pure fantasy has crept into textbooks...One of the ironies of the creation-evolution debate is that the creationists have accepted the mistaken notion that the fossil record shows a detailed and orderly progression and they have gone to great lengths to accommodate this 'fact' in their Flood Geology." *New Scientist*, V.90, p.832, 1981

GLOBAL LAYERS, DEREK AGER, President British Geologist Asso., "I was taken by a Turkish friend to visit a cliff section in Upper Cretaceous sediments near Sile on the Black Sea coast. ...what I in fact saw was the familiar white chalk of north-west Europe with black flints and old fossil friends such as *Micraster* and *Echinocorys*. What I was looking at was identical with the 'White Cliffs of Dover' in England and the rolling plateau of Picardy in France, the quarries of southern Sweden and the cliffs of eastern Denmark. ... We have long known, of course, that the White Chalk facies of late Cretaceous times extended all the way from Antrim in Northern Ireland, via England and northern France, through the Low Countries, northern Germany and southern Scandinavia to Poland, Bulgaria and eventually to Georgia in the south of the Soviet Union. We also knew of the same facies in Egypt and Israel. My record was merely an extension of that vast range to the south side of the Black Sea. ... Nevertheless, there is even worse to come, for on the other side of the Atlantic in Texas, we find the Austin Chalk of the same age and character, and...found in Arkansas, Mississippi and Alabama. And most surprising of all, much farther away still in Western Australia, we have the Gingin Chalk of late Cretaceous age, with the same black flints and the same familiar fossils, resting - as in north-west Europe - on glauconitic sands." ... Some general explanation is surely needed for such a wide distribution of such a unique facies." *The Nature of the Stratigraphical Record*, pp.1-2 "...in northwest Bulgaria, again the basal

conglomerate is largely composed of exactly similar purple quartzite pebbles (resting on Permian breccias also like those of midland England) Even if one postulates continent-wide uplift to produce the conglomerate in such widely separated places, it is very difficult to explain why the source rock is also so remarkably similar from one end of Europe to the other. ... It is well known that the Newark Group of the eastern seaboard of the United States is exactly like the Trias of north-west Europe.. The similarities are almost laughable.. ...we still have to account for a general facies development in late Carboniferous times that extends in essentially the same form all the way from Texas to the Donetz coal basin, north of the Caspian Sea in the U.S.S.R. This amounts to some 170° of longitude, and closing up the Atlantic by a mere 40° does not really help all that much in explaining the remarkable phenomenon." *The Nature of the Stratigraphical Record*; pp.6.7

6.9 Why Is This Fellow Peleg Mentioned In Scripture 8 Tmes?

Editors Note: Recent continental drift is possibly identified by the Biblical account of Peleg. e.g.,

Ge 10:25 And unto Eber were born two sons: the name of one *was* Peleg; for in his days was the earth divided; and his brother's name *was* Joktan. {Peleg: that is Division}

Ge 10:25 (Heb.) וְלֵעֶבֶר יָלֵד, שְׁנֵי בָנִים: שֵׁם הָאֶחָד פֶּלֶג, כִּי בְיָמָיו נִפְלְגָה הָאָרֶץ, וְשֵׁם אָחִיו, יֶקְטָן.

Here a verb; Heb. פלג: Niphal Perfect 3MS Split, Divided.

06385 **פלג** palag paw-lag' a primitive root; v; [BDB-811a] {See TWOT on 1769} AV-divide 4; 4

1) to divide, split

1a) (Niphal) to be split, be divided

1b) (Piel)

1b1) to split, cleave

1b2) to divide

Ge 11:16 And Eber lived four and thirty years, and begat Peleg: {Peleg: Gr. Phalec}

Ge 11:17 And Eber lived after he begat Peleg four hundred and thirty years, and begat sons and daughters.

Ge 11:18 And Peleg lived thirty years, and begat Reu:

Ge 11:19 And Peleg lived after he begat Reu two hundred and nine years, and begat sons and daughters.

1Ch 1:19 And unto Eber were born two sons: the name of the one *was* Peleg; because in his days the earth was divided: and his brother's name *was* Joktan. {Peleg: that is, division}

1Ch 1:19 (Heb.) וְלֵעֶבֶר יָלֵד, שְׁנֵי בָנִים: שֵׁם הָאֶחָד פֶּלֶג, כִּי בְיָמָיו נִפְלְגָה הָאָרֶץ, וְשֵׁם אָחִיו, יֶקְטָן.

1Ch 1:25 Eber, Peleg, Reu,

PELEG IN THE NT – Occurs Once.[†]

Lu 3:35 Which was the son of Saruch <4562>, which was the son of Ragau <4466>, which was the son of **Phalec** <5317>, which was the son of Heber <1443>, which was the son of Sala <4527>,

5317 φαλεκ Phalek fal'-ek of Hebrew origin 06389 פֶּלֶג ; n pr m

AV-Phalec 1; 1

Peleg =" division"

1) the son of Eber

6.9.1 More Biblical Evidence For The Land Division Post Flood.

Gen 10:32 These are the families of the sons of Noah, after their generations, in their nations: and by these **were the nations divided in the earth after the flood.**

Gen 11:01 ¶ And the whole earth was of one language, and of one speech. {language: Heb. lip.} {speech: Heb. words}

02 And it came to pass, as they journeyed from the east, that they found a plain in the land of Shinar; and they dwelt there. {from...: or, eastward}

03 And they said one to another, **Go to, let us make brick, and burn them thoroughly. And they had brick for stone, and slime had they for mortar.** {they said...: Heb. a man said to his neighbour} {burn...: Heb. burn them to a burning}

04 And they said, Go to, let us build us a city and a tower, whose top may reach unto heaven; and let us make us a name, lest we be scattered abroad upon the face of the whole earth.

05 ¶ And the LORD came down to see the city and the tower, which the children of men builded.

06 And the LORD said, Behold, the people is one, and they have all one language; and this they begin to do: and now nothing will be restrained from them, which they have imagined to do.

07 Go to, let us go down, and there confound their language, that they may not understand one another's speech.

08 So the LORD scattered them abroad from thence upon the face of all the earth: and they left off to build the city.

09 Therefore is the name of it called Babel; because the LORD did there confound the language of all the earth: and from thence did the LORD scatter them abroad upon the face of all the earth. {Babel: that is, Confusion}

Pangaea



Figure 35. Suggested Map of Pangaea with modern continents outlined Pre-Peleg but post flood of Noah

7.0 THE FOSSIL RECORD

7.1 Their Only Direct Evidence.

CARL DUNBAR, Yale, "Although the comparative study of living animals and plants may give very convincing circumstantial evidence, fossils provide the only historical, documentary evidence that life has evolved from simpler to more and more complex forms." *HISTORICAL GEOLOGY*, p.47

S. M. STANLEY, Johns Hopkins, "It is doubtful whether, in the absence of fossils, the idea of evolution would represent anything more than an outrageous hypothesis. ...The fossil record and only the fossil record provides direct evidence of major sequential changes in the Earth's biota." *NEW EVOLUTIONARY TIMETABLE*, p.72, 1981

HISTORICAL -NOT EMPIRICAL, JOHN H. HORNER "...paleontology is a historical science, a science based on circumstantial evidence, after the fact. We can never reach hard and fast conclusions in our study of ancient plants and animals... These days it's easy to go through school for a good many years, sometimes even through college, without ever hearing that some sciences are historical or by nature inconclusive." *Dinosaur Lives*, 1997, p.19

7.2 In Their beginning": Sudden; Complex; Diverse; Every Animal Phylum; Assumed History Missing

STEPHEN J. GOULD, HARVARD, "The Cambrian Explosion occurred in a geological moment, and we have reason to think that all major anatomical designs may have made their evolutionary appearance at that time. ...not only the phylum Chordata itself, but also all its major divisions, arose within the Cambrian Explosion. So much for chordate uniqueness... Contrary to Darwin's expectation that new data would reveal gradualistic continuity with slow and steady expansion, all major discoveries of the past century have only heightened the massiveness and geological abruptness of this formative event " *Nature*, Vol.377, 26 10/95,p.682

RICHARD MONASTERSKY, Earth Science Ed., *Science Nellis*, "The remarkably complex forms of animals we see today suddenly appeared. ... This moment, right at the start of the Earth's Cambrian Period...marks the evolutionary explosion that filled the seas with the earth's first complex creatures. ...'This is Genesis material,' gushed one researcher. ...demonstrates that the large animal phyla of today were present already in the early Cambrian and that they were as distinct from each other as they are today...a menagerie of clam cousins, sponges, segmented worms, and other invertebrates that would seem vaguely familiar to any scuba diver." *Discover*, p.40, 4/93

RICHARD DAWKINS, Cambridge, "And we find many of them already in an advanced state of evolution, the very first time they appear. It is as though they were just planted there, without any evolutionary history. Needless to say, this appearance of sudden planting has delighted creationists. ...the only alternative explanation of the sudden appearance of so many complex animal types in the Cambrian era is divine creation..." , *The Blind Watchmaker*, 1986, p229-230

TREES & FISH IN CAMBRIAN, JOHN REPETSKI, U.S.Geol. Survey, "The oldest land plants now known are from the Early Cambrian... Approximately 60 Cambrian spore-genera

are now on record...represent 6 different groups of vascular plants..." *Evolution*, V.13, 6/59, p.264.

DANIEL I. AXELROD, UCLA, "This report of fish material from Upper Cambrian rocks further extends the record of the vertebrates by approximately 40 million years." [WY, OK, WA, NY, ID, , 'AR] *Science*, Vol.200, 5 May, 1978, p.529

BLIND FAITH, Douglas Futuyma, "It is considered likely that all the animal phyla became distinct before or during the Cambrian, for they all appear hilly formed, without intermediates connecting one form to another." *EVOLUTIONARY BIOLOGY*, 1985, p.325

7.3 "Trees" Contradicted By Fossils, From SOME SIMILARITIES, Ignoring Others.

SEPARATE LIVING KINDS" STEPHEN J. GOULD, Harvard, "Our modern phyla represent designs of great distinctness, yet our diverse world contains nothing in between sponges, corals, insects, snails, sea urchins, and fishes (to choose standard representatives of the most prominent phyla).", *Natural History*', p.15, Oct. 1990

SEPARATE FOSSIL KINDS" VALENTINE (U. CA) & ERWIN (MI St.), "If we were to expect to find ancestors to or intermediates between higher taxa, it would be the rocks of the late Precambrian to Ordovician times, when the bulk of the world's higher animal taxa evolved. Yet traditional alliances are unknown or unconfirmed for any of the phyla or classes appearing then.", *DEVELOPMENT AS AN EVOLUTIONARY PROCESS*, p.84, 1987.

"TREES" NOT FROM FOSSILS, STEVEN J. GOULD, Harvard, "The evolutionary trees that adorn our textbooks have data only at the tips and nodes of their branches; the rest is inference, however reasonable, not the evidence of the fossils.", *Nat .His.*, V.86, p.13

STORY TIME, COLIN PATTERSON, Senior Paleontologist, British Museum of Nat. History, "You say I should at least 'show a photo of the fossil from which each type or organism was derived.' I will lay it on the line--there is not one such fossil for which one could make a watertight argument.." "It is easy enough to make up stories of how one form gave rise to another. . . But such stories are not part of science, for there is no way of putting them to the test.. I don't think we shall ever have any access to any form of tree which we can call factual." *HARPER'S*, Feb.1984, p.56

ARBITRARY ARRANGEMENT, R. H. DOTT, U. OF Wis. & R. L. BATTEN, Columbia, AMNH, "We have arranged the groups in a traditional way with the 'simplest' forms first, and progressively more complex groups following. This particular arrangement is arbitrary and depends on what definition of 'complexity' you wish to choose. ... things are alike because they are related, and the less they look alike, the further removed they are from their common ancestor." *EVOLUTION OF THE EARTH*, p.602

UNRELATED LOOK-ALIKES, J. Z. YOUNG, Prof. of Anatomy, Oxford, "...similar features repeatedly appear in distinct lines. ...Parallel evolution is so common that it is almost a rule that detailed study of any group produces a confused taxonomy. Investigators are unable to distinguish populations that are parallel new developments from those truly descended from each other." *LIFE OF THE VERTEBRATES*, p.779

SIMILARITY IS NOT GENETIC, SIR GAVIN DEBEER, Prof. Embry., U. London, Director BMNH, "It is now clear that the pride with which it was assumed that the inheritance

of homologous structures from a common ancestor explained homology was misplaced; for such inheritance cannot be ascribed to identity of genes. The attempt to find homologous genes has been given up as hopeless." *Oxford Biology Reader*, p.16, Homology an Unsolved Problem

7.4 Embryonic Recapitulation?

R. H. DOTT, Univ. of WI, R. L BATTEN, Columbia Univ., A.M.N.H., "Much research has been done in embryology since Haeckel's day, and we now know that there are all too many exceptions to this analogy, and that ontogeny does not reflect accurately the course of evolution." *EVOLUTION OF THE EARTH*, p.86

SIMPSON & BECK, "Haeckel misstated the evolutionary principle involved. It is now firmly established that ontogeny does not repeat *phylogeny*." *Intro To Biology*, 1965, p.273 KEITH S. THOMPSON, Academy of Natural Sciences, "Surely the biogenetic law is as dead as a doornail. It was finally exorcised from biology textbooks in the fifties. As a topic of serious theoretical inquiry, it was extinct in the twenties." *American Scientist*, 5/6, 1988, p.273 "Ontogeny and Phylogeny Recapitulated"

ASHLEY MONTAGU, "The theory of recapitulation was destroyed in 1921 by Professor Walter Garstang in a famous paper. Since then no respectable biologist has ever used the theory of recapitulation, because it was utterly unsound, created by a Nazi-like preacher named Haeckel." *Montagu-Gio-l) Prinston Debate*, 4/12/1980

"EMBRYONIC FRAUD LIVES ON," "Although Hacckel confessed.. .and was convicted of fraud at the University of Jena, the drawings persist.." *New Scientist*, p.23, 9/6/97

DR. MICHAEL RICHARDSON, St.. George's Hospital Medical School, "What he did was to take a human embryo and copy it, pretending that the salamander and the pig and all [he others looked the same at the same stage of development.. They don't.. There's *only* one word for this, and Dr. Richardson doesn't flinch from using it. 'These are fakes. In the paper we call them misleading and inaccurate, but that is just polite scientific language." *The Times* (London), p.14, 8/11/97

FRAUD REDISCOVERED", "In reality, Richardson and his colleagues note, even closely related embryos such as those of fish vary quite a bit in their appearance and developmental pathways. 'It looks like it's turning out to be one of the most famous fakes in biology.' But Haeckel's confession got lost after his drawings were subsequently used in a 1901 book called *Darwin and After Darwin* and reproduced widely in English-language biology texts." *Science*, p.1435, V.277, 9/5/97 *New York Times*, 4/8./2001, "Several years ago, though, biologists discovered that many of the drawings were fraudulent... One of the texts that includes the faulty drawings is the third edition of "*Molecular Biology of the Cell*," the bedrock text of the field. Its authors include Dr. Bruce Alberts, a biochemist who is president of the National Academy of Sciences, and Dr. James D. Watson, the geneticist who shared a Nobel Prize for unraveling the structure of DNA"

7.5 Significant Change Is Not Observed

BOTHERSOME DISTRESS, STEPHEN J. Gould, Harvard, "Every paleontologist knows that most species don't change. That's bothersome . . . brings terrible distress. They may get a little bigger or bumpier but they remain the same species and that's not due to imperfection and

gaps but stasis. And yet this remarkable stasis has generally been ignored as no data. If they don't change, its not evolution so you don't talk about it.." Lecture at Hobart & William Smith College, 14/2/1980.

"**DESIGNS**," S. J. Gould, Harvard, "We can tell tales of improvement for some groups, but in honest moments we must admit that the history of complex life is more a story of multifarious variation about a set of basic designs than a saga of accumulating excellence. ...I regard the failure to find a clear 'vector of progress' in life's history as the most puzzling fact of the fossil record. ...we have sought to impose a pattern that we hoped to find on a world that does not really display it.." *Natural History*, 2/82, p.2

7.6 Required Transitional Forms Missing

DARWIN'S BIGGEST PROBLEM, "...innumerable transitional forms must have existed but why do we not find them embedded in countless numbers in the crust of the earth? ...why is not every geological formation and every stratum full of such intermediate links? Geology assuredly does not reveal any such finely graduated organic chain, and this perhaps is the greatest objection which can be urged against my theory". *ORIGIN OF THE SPECIES* ,

MORE EMBARRASSING, DAVID M. RAUP, U. Chicago; Ch. F. Mus. of N. H., "The evidence we find in the geologic record is not nearly as compatible with Darwinian natural selection as we would like it to be. Darwin was completely aware of this. He was embarrassed by the fossil record because it didn't look the way he predicted it would ...Well, we are now about 120 years after Darwin and the knowledge of the fossil record has been greatly expanded. We now have a quarter of a million fossil species but the situation hasn't changed much... ironically, we have even fewer examples of evolutionary transition than we had in Darwin's time. By this I mean that some of the classic cases of Darwinian change in the fossil record, such as the evolution of the horse in North America, have had to be discarded or modified as the result of more detailed information." *F.,W.O.N.H.B.*, Vol.50, p.35

PREDICTION FAILED, NILES ELDRIDGE, Amer. Mus. N. H., "He [Darwin] prophesied that future generations of paleontologists would fill in these gaps by diligent search One hundred and twenty years of paleontological research later, it has become abundantly clear that the fossil record will not confirm this part of Darwin's predictions. Nor is the problem a miserably poor record. The fossil record simply shows that this prediction was wrong." *THE MYTHS OF HUMAN EVOLUTION*, p45.46

7.7 Proposed Links 'Debunked'

TEXTBOOK DECEIT, GEORGE G. SIMPSON, "The uniform, continuous transformation of Hyracotherium into Equus, so dear to the hearts of generations of textbook writers never happened in nature." *LIFE OF THE PAST*, p.119

THE HORSE "STORY", COLIN PATTERSON, Senior Paleontologist British Museum of Natural History, "There have been an awful lot of stories, some more imaginative than others, about what the nature of that history [of life] really is. The most famous example, still on exhibit downstairs, is the exhibit on horse evolution prepared perhaps fifty years ago. That has been presented as the literal truth in textbook after textbook. Now I think that that is

lamentable, particularly when the people who propose those kinds of stories may themselves be aware of the speculative nature of some of that stuff." *Harper's*, p. 60, 1984.

TEXTBOOK HORSES, Bruce MacFadden, FL Museum of Natural History & U. of FL
 "...over the years fossil horses have been cited as a prime example of orthogenesis ["straight-line evolution"] ...it can no longer be considered a valid theory...we find that once a notion becomes part of accepted scientific knowledge, it is very difficult to modify or reject it"
FOSSIL HORSES, 1994, p.27

STORY TIME OVER, DEREK AGER, U.at Swansea, Wales, "It must be significant that nearly all the evolutionary stories I learned as a student...have now been 'debunked.' Similarly, my own experience of more than twenty years looking for evolutionary lineages among the Mesozoic Brachiopoda has proved them equally elusive.", *PROG. GEOL ASSO*, Vol.87, p.132

"FOSSIL BIRD SHAKES EVOLUTIONARY HYPOTHESES, "Fossil remains claimed to be of two crow-sized birds 75 million years older than Archaeopteryx have been found a paleontologist at Texas Tech University, who found the fossils, says they have advanced avian features. ...tends to confirm what many paleontologists have long suspected, that Archaeopteryx is not on the direct line to modern birds." *Nature*, Vol.322, 1986 p.677

REPTILE TO BIRD W.E. SWINTON, "The origin of birds is largely a matter of deduction. There is no fossil evidence of the stages through which the remarkable change from reptile to bird was achieved." *BIOLOGY & COMPARATIVE PHYSIOLOGY OF BIRDS*, Vol.1, p.1.

7.8 Systematic Gaps

ORDERS, CLASSES, & PHyla, GEORGE GAYLORD SIMPSON, Harvard, "Gaps among known species are sporadic and often small. Gaps among known orders, classes, and phyla are systematic and almost always large.", *EVOLUTION OF LIFE*, p.149

GENUINE KNOWLEDGE, D.B. KITTS, U.of OK, "Despite the bright promise that paleontology provides a means of "seeing" evolution, it has presented some nasty difficulties for evolutionists, the most notorious of which is the presence of 'gaps' in the fossil record. Evolution requires intermediate forms between species and paleontology does not provide them... The 'fact that discontinuities are almost always and systematically present at the origin of really big categories' is an item of genuinely historical knowledge.", *Evolution*, Vol.28, p. 467

NOT ONE! D.S. WOODROFF, U.of CA, San Diego, "But fossil species remain unchanged throughout most of their history and the record fails to contain a single example of a significant transition." *Science*, Vol.208, 1980, p.716

STEPHEN M. STANLEY, Johns Hopkins U., "In fact, the fossil record does not convincingly document a single transition from one species to another." *THE NEW EVOLUTIONARY TIMETABLE*, 1981, p.95 -

EVIDENCE A MATTER OF FAITH, A.C. SEWARD, Cambridge, "The theoretically primitive type eludes our grasp; our faith postulates its existence but the type fails to materialize." *PLANT LIFE THROUGH THE AGES*, p.561

"WE KNEW BETTER", NILES ELDREDGE, Columbia U., American Museum Of Natural History, "And it has been the paleontologist- my own breed-who have been most responsible for letting ideas dominate reality: ...We paleontologists have said that the history of life supports that interpretation [gradual adaptive change], all the while knowing that it does not.", *TIME FRAMES*, 1986, p.144

7.9 Punctuated Equilibrium

Unobserved imagined scenario to explain missing evidence, based on fossils not found, mechanisms not observed

GOULD & ELDREDGE, "In fact, most published commentary on punctuated equilibria has been favorable. We are especially pleased that several paleontologists now state with pride and biological confidence a conclusion that had previously been simply embarrassing; 'all these years of work and I haven't found any evolution'. (R.A. Reyment) "The occurrences of long sequences within species are common in boreholes and it is possible to exploit the statistical properties of such sequences in detailed biostratigraphy. It is noteworthy that gradual, directed transitions from one species to another do not seem to exist in borehole samples of microorganisms." (H. J. Macgillavry) "During my work as an oil paleontologist I had the opportunity to study sections meeting these rigid requirements. As an ardent student of evolution, moreover, I was continually on the watch for evidence of evolutionary change. ...The great majority of species do not show any appreciable evolutionary change at all." *Paleobiology*, Vol.3, p.136

S. M. STANLEY, Johns Hopkins "The record now reveals that species typically survive for a hundred thousand generations, or even a million or more, without evolving very much. We seem forced to conclude that most evolution takes place rapidly...a punctuational model of evolution...operated by a natural mechanism whose major effects are wrought exactly where we are least able to study them - in small, localized, transitory populations... The point here is that if the transition was typically rapid and the population small and localized, fossil evidence of the event would never be found." p.77, 110, *NEW EVOLUTIONARY TIMETABLE*, 1981

COLIN PATTERSON, B.M.N.H. "Well, it seems to me that they have accepted that the fossil record doesn't give them the support they would value so they searched around to find another model and found one. ...When you haven't got the evidence, you make up a story that will fit the lack of evidence." *DARWIN'S ENIGMA*, p. 100

VALENTINE (U. CA) & ERWIN (MI. St.), "We conclude that neither of the contending theories of evolutionary change at the species level, phyletic gradualism or punctuated equilibrium, seem applicable to the origin of new body plans." *DEVELOPMENT AS AN EVOLUTIONARY PROCESS*, p.96, 1987.

7.10 Implication Of The Fossils

PALEONTOLOGY DOES NOT PROVE EVOLUTION, D.B. KITTS, U.of OK, "The claim is made that paleontology provides a direct way to get at the major events of organic history and that, furthermore, it provides a means of testing evolutionary theories. ...the paleontologist can provide knowledge that cannot be provided by biological principles alone. But he cannot provide us with evolution.", *Evolution*, Vol.28, p.466

DON'T USE THE FOSSILS, MARK RIDLEY, Oxford, "...a lot of people just do not know what evidence the theory of evolution stands upon. They think that the main evidence is the gradual descent of one species from another in the fossil record. ... In any case, no real evolutionist, whether gradualist or punctuationist, uses the fossil record as evidence in favor of the theory of evolution as opposed to special creation." *New Scientist*, June, 1981, p.831

FOSSILS INDICATE CREATION! E.J.H. CORNOR, Cambridge "Much evidence can be adduced in favor of the Theory of Evolution from Biology, Biogeography, and Paleontology, but I still think that to the unprejudiced the fossil record of plants is in favor of special creation." *CONTEMPORARY BOTANICAL THOUGHT*, p.61

7.11 Fossils Do Not Support Evolution. Fossils Are Positive Evidence For Creation!

Table 04. The Two Assumed Geologic Time Table

Eras	Periods	Assumed Duration in Years	Assumed Dominant Life
Creation to Now	Recent	<10,000 See Gen 1-3	Creation to today
Cenozoic	Pleistocene	1,000,000	Man Mammals
	Pliocene	6,000,000	
	Miocene	12,000,000	
	Oligocene	16,000,000	
	Eocene	20,000,000	
	Paleocene	5,000,000	
Mesozoic	Cretaceous	65,000,000	Reptiles
	Jurassic	35,000,000	
	Triassic	35,000,000	
Paleozoic	Permian	25,000,000	Amphibians
	Devonian	50,000,000	Fishes
	Silurian	40,000,000	
	Ordovician	85,000,000	Invertebrates
	Cambrian	70,000,000	
Proterozoic	Upper Precambrian	650,000,000	Primitive Multicellular Forms
Archeozoic	Lower Precambrian	650,000,000	Unicellular Forms

7.12 Fossil Man

APES UP FROM?, DONALD JOHANSON, "At any rate, modern gorillas, oranges and chimpanzees spring out of nowhere, as it were. They are here today; they have no yesterday ", *Lu~1'*, p.363

Reconstructions are unscientific

GREAT GRANDPA APE, EARNST A. HOOTEN, Harvard, "If we are descended from apes our remote ancestors ought to look their part. You may not be willing to admit that you resemble an ape; But if that thousandth ancestor's fore bearers become progressively more simian as you trace back the genealogical lines you will have to admit that somewhere in your family tree there squats an ape.", *UP FROM THE APE*, p.289

RECONSTRUCTIONS? EARNST A. HOOTEN, Harvard, "To attempt to restore the soft parts is an even more hazardous undertaking. The lips, the eyes, the ears, and the nasal tip, leave no clues on the underlying bony parts. You can with equal facility model on a Neanderthaloid skull the features of a chimpanzee or the lineaments of a philosopher. These alleged restorations of ancient types of man have very little if any scientific value and are likely only to mislead the public So put not your trust in reconstructions.", *UP FROM THE APE*, p.332

RECONSTRUCTIONS? W. HOWELLS, Harvard, "A great legend has grown up to plague both paleontologists and anthropologists. It is that one of these wondrous men can take a tooth or a small and broken piece of bone, gaze at it, and pass his hand over his forehead once or twice, and then take a sheet of paper and draw a picture of what the whole animal looked like as it tramped the Terriary terrain. If this were quite true, the anthropologists would make the F.B.I. look like a troop of Boy Scouts.", *MANKIND SO FAR*, p138

THEORY DOMINATED DATA, DAVID PILBEAM, Yale, "I am also aware of the fact that, at least in my own subject of paleoanthropology, 'theory' . heavily influenced by implicit ideas - almost always dominates 'data.' ...Ideas that are totally unrelated to actual fossils have dominated theory building, which in turn strongly influences the way fossils are interpreted." Quoted in *BONES OF CONTENTION*, p.127

PARANORMAL ANTHROPOLOGY, Lord Solly Zuckerman, "We then move right off the register of objective truth into those fields of presumed biological science, like extrasensory perception or the interpretation of man's fossil history, where to the faithfull anything is possible. and where the ardent believer is sometimes able to believe several contradictory things at the same time." *BEYOND THE IVORY TOWER*, p.19

BASIS OF "FAMILY TREE," ROGER LEWIN, Ed., Research News, *Scie/Ice*, "The key issue is the ability correctly to infer a genetic relationship between two species, on the basis of a similarity in appearance, can be deceptive, partly because similarity of structure does not necessarily imply an identical genetic heritage: a shark (which is a fish) and a porpoise (which is a mammal) look similar..." *BONES OF CONTENTION*, 1987, p.123

PROVEN? RICHARD C. LEWONTIN, Harvard, "Look, I'm a person who says in this book [Human Diversity, 1982] that we don't know anything about the ancestors of the human species. All the fossils which have been dug up and are claimed to be ancestors -we haven't the faintest idea whether they are ancestors. ...All you've got is Homo sapiens there, you've got that fossil there, you've got another fossil there...and it's up to you to draw the lines. Because there are no lines.", *Harpers*, 2/84

UNRELIABLE "TREES," J. LOWENSTEIN & ADRIENE ZIHLMAN, "But anatomy and the fossil record cannot be relied on for defining evolutionary lineages. Yet, paleontologists persist in doing just this. ...the subjective element in this approach to building evolutionary trees, which many paleontologist advocate with almost religious fervor, is demonstrated by the outcome: there is no single family tree on which they agree." *Nature*, 1992, Vo1355, p.783

MARY LEAKEY'S CONCLUSION, According To Associated Press, "Since scientists can never prove a particular scenario of human evolution, Leakey said "All these trees of life with their branches of our ancestors, that's a lot of nonsense." 12/9/1996 .

7.13 Ramapithecus Is Discarded Ape

"APE-MAN" OUT, ROGER LEWIN, Ed., Research News, Science, "The dethroning of Ramapithecus - from putative first human in 1961 to extinct relative of the orangutan in 1982. is one of the most fascinating, and bitter, sagas in the search for human origins." *BONES OF CONTENTION*, 1987, p.86

"APES", ROBERT B. ECKHARDT, Penn.S.U., "...there would appear to be little evidence to suggest that several different hominoid species are represented among the Old World dryopithecine fossils., (Ramapithecus, Oreopithecus, Limnopithecus, Kenyapithecus). They them-selves nevertheless seem to have been apes - morphologically, ecologically, and behaviourally." *Scientific American*, Vol.226, p.101

7.14 Australopithecus Is An Ape

SECOND "APE-MAN" OUT" ROGER LEWIN, Ed., Research News, Science, Richard and his parents, Louis and Mary, have held to a view of human origins for nearly half a century now that the line of true man, the line of Homo - large brain, toolmaking and so on - has a separate ancestry that goes back millions and millions of years, And the ape-man, Australopithecus, has nothing to do with human ancestry." *BONES OF CONTENTION*, 1987, p.18

LEAKEY DEFECTION, "Dr. Leakey bases his repudiation of Darwin on the results of his long search in East Africa for the remains of the original man. The generally accepted post-Darwin view is that man developed from the baboon 3 to 5 million years ago. But Leakey has found no evidence of a spurt in development at that time.", *Chicago American*, 1/25, 1967

DISMISSED APE, LORD SOLLY ZUCKERMAN, "His Lordship's scorn for the level of competence he sees displayed by paleoanthropologists is legendary, exceeded only by the force of his dismissal of the australopithecines as having anything at all to do with human evolution. 'They are just bloody apes', he is reputed to have observed on examining the australopithecine remains in South Africa. ...Zuckerman had become extremely powerful in British science, being an adviser to the government up to the highest level. ...while at Oxford and then Birmingham universities, he had vigorously pursued a metrical and statistical approach to studying the anatomy of fossil hominids. ...it was on this basis that he under-pinned his lifelong rejection of the australopithecines as human ancestors." *BONES OF CONTENTION*, 1987, p.164, 165

DEFINITELY AN APE, LORD SOLLY ZUCKERMAN, "The australopithecine skull is in fact so overwhelmingly simian as opposed to human (figure 5) that the contrary proposition could be equated to an assertion that black is white." *BEYOND THE IVORY TOWER*, p.78

LIKE APE, WILLIAM HOWELLS, Harvard, "...the pelvis was by no means modern, nor were the feet: the toes were more curved than ours; the heel bones lacked our stabilizing tubercles; and a couple of small ligaments that, in us, tighten the arch from underneath, were apparently not present. The finger bones were curved as they are in tree-climbing apes. ...Here is something of an enigma. Excellent evidence of a very modern foot from the hominid footprints at Laetoli. Excellent evidence of hominid but not fully modern feet from the Afar bones. Russell Tuttle of the University of Chicago, a leading expert on hominoid gaits and limbs, finds that all aspects of the footprints, especially toe proportions, are remarkably like modern human feet and that the Afar feet are significantly less than human." *GETTING HERE*, 1993, p.79

LIKE APE, *A afarensis*...The recent description of four articulating foot bones from 3-3.5 Myr deposits in the South African cave site of Sterkfontein support this. ...the divergent big toe indicates some degree of prehensile grasping as in apes. Developmental patterns were also more ape-like than human. ...ecologically they may still be considered apes." *Nature*, 376, 8/17/1995, p. 556

LIKE ORANGUTAN, CHARLES E. OXNARD, Dean of Graduate School, Prof. of Biology & Anatomy, USC, "...conventional wisdom is that the australopithecine fragments are generally rather similar to humans...the new studies point to different conclusions. The new investigations suggest that the fossil fragments are usually uniquely different from any living form: when they do have similarities with living species, they are as often as not reminiscent of the orangutan, ...these results imply that the various australopithecines are really not all that much like humans. ...may well have been bipeds, but if so, it was not in the human manner. They may also have been quite capable climbers as much at home in the trees as on the ground." *The American Biology Teacher*, Vol.41, 5/1979, pp.273-4

LIKE PYGMY CHIMP, ADRIENNE L. ZIHLMAN, U.C. Santa Cruse, "Zihlman compares the pygmy chimpanzee to 'Lucy,' one of the oldest hominid fossils known, and finds the similarities striking. They are almost identical in body size, in stature and in brain size... These commonalities, Zihlman argues, indicate that pygmy chimps use their limbs in much the same way Lucy did..." *Science News*, Vol.123, 2/5. 1983, p.89

SHRIVELED STATUS, MATT CARTMILL, Duke; DAVID PILBEAM, Harvard; GLYNN ISMC, Harvard, "The australopithecines are rapidly shrinking back to the status of peculiarly specialized apes...", *American Scientist*, July-August 1986, p.419 '

7.15 Failed Links: Piltdown Man, Nebraska Man, Java Man, Peking Man

BELIEVE IT SEE IT, ROGER LEWIN, Editor of Research News, *Science*, "How is it that trained men, the greatest experts of their day, could look at a set of modern human bones - the cranial fragments - and 'see' a clear simian signature in them; and 'see' in an ape's jaw the unmistakable signs of humanity? The answers, inevitably, have to do with the scientists' expectations and their effects on the interpretation of data. ... It is, in fact, a common fantasy, promulgated mostly by the scientific profession itself, that in the search for objective truth, data dictate conclusions. If this were the case, then each scientist faced with the same data would necessarily reach the same conclusion. But as we've seen earlier and will see again and again, frequently this does not happen. Data are just as often molded to fit preferred conclusions." *BONES OF CONTENTION*, pp.61, 68

FRAUDULENT, ALES HRDLICKA, Smithsonian (Re:,Java Man) "None of the published illustrations or casts now in various institutions is accurate." *Science*, 8/17/1923

EVIDENCE MISSING, WILLIAM HOW'ELLS, Harvard, "Java Man went into Dubois' locker for a time. But Peking Man seems to have gone into Davy ,Jones' locker, and for good. He disappeared, one of the first casualties of the war in the Pacific, half a million years after he had died the first time." *MANKIND IN THE MAKING*, p.165

CONTEMPORARY, "[H. erectus] would have been alive when modern human and Neanderthals roamed the earth. ...If the dates are right, we have three different species coexisting at the same time..." *SCIENCE*, V.274, p.1841, 12/13/1996

Homo erectus;Homo sapien, S.C.ANTON, Anthropologist, U. of FL, "Anthropologist Milford H. Wolpoff of the University of Michigan...argue[s] that *H. erectus* fossils actually belong to an anatomically diverse form of *H. sapiens*... 'The proper way to define both a living and a fossil species is the \$64,000 question,' Anton states." *Science News*, V.150, p.373, 12/14/1996

7.16 Neanderthal, Cro-Magnon Are Men

EVOLUTION OR VARIATION? "...a Neanderthal is a model of evolutionary refinement. Put him in a Brooks Brothers suit and send him down to the supermarket for some groceries and he might pass completely unnoticed. He might run a little shorter than the clerk serving him but he would not necessarily be the shortest man in the place. He might be heavier-featured, squattier and more muscular than most, but again he might be no more so than the porter handling the beer cases back in the stock room." *EVOLUTION*, Time-Life Nature Library.

LARGER BRAIN, WILLIAM HOWELLS, Harvard, "The Neanderthal brain was most positively and definitely not smaller than our own; indeed, and this is a rather bitter pill, it appears to have been perhaps a little larger." *MANKIND SO FAR*, p.165

"FULLY HUMAN," Mat Cartmill, Duke U., Pres., Amer. Asso. of Phys. Anthropology, "I tend to think they [Neanderthals] had fully human language. After all, they had larger brains than those of most modern humans, made elegant stone tools, and knew how to use tools." *Discover*, 11/98, p.62

MODERN CAME FIRST, O. BAR-YOSEF, Peabody Museum, Harvard, B. VANDERMEERCH, U. Bordeaux, "Modern Homo sapiens preceded Neanderthals at Mt. Carmel ...modern looking H. sapiens had lived in one of the caves some 50,000 to 100,000 years ago, much earlier than such people had been thought to exist anywhere. ...The results have shaken the traditional evolutionary scenario, producing more questions than answers." *Scientific American*, p.94, 4/1993

7.17 Man "Older" Than Proposed Ancestors

RUINED FAMILY TREE, "Either we toss out this skull [1470] or we toss out our theories of early man," asserts anthropologist Richard Leakey of this 2.8-million-year-old fossil, which he has tentatively identified as belonging to our own genus. "It simply fits no previous models of human beginnings." The author, son of famed anthropologist Louis S. B. Leakey, believes that the skull's surprisingly large braincase "leaves in ruins the notion that all early fossils can be arranged in an orderly sequence of evolutionary change.", *National Geographic*, 6/1973, p.819

HUMAN BRAIN, "Leakey further describes the 'hole shape of the braincase [1470] as remarkably reminiscent of modern man, lacking the heavy and protruding eyebrow ridges and thick bone characteristics of Homo erectus." *Science News*, 102, 4/3/72, p.324

HUMAN BRAIN, DEAN FAULK, S.U.of N.Y. at Albany, "...KNM-ER 1805 [Homo habilis] should not be attributed to Homo... the shape of the endocast from KNM-ER (basal view) is similar to that from an African pongid, whereas the endocast of KNM-ER 1470 is shaped like that of a modern human." *Science*, 221, (9/19/83) p.1073

HUMAN BRAIN "The foremost American experts on human brain evolution - Dean Falk of the State University of New York at Albany and Ralph Holloway of Columbia University - usually disagree, but even they agree that Broca's area is present in a skull from East Turkana known as 1470. Philip Tobias...renowned brain expert from South Africa concurs." *Anthro Quest: The Leakey's Foundation News*. No.43 (Spring 91) p.13

"THE OLDEST MAN" "[African Footprints] ...they belonged to the genus Homo (or true man), rather than to man-apes (like Australopithecus, who was once a thought to be the forerunner of man but is now regarded as a possible evolutionary dead end). ...they were 3.35 million to 3.75 million years old. ...they would, in Mary Leakey's words, be people 'not unlike ourselves'..." *Time*, 11/10/1975, p.93

TOO HUMAN - TOO OLD, RUSSEL H. TUTTLE, Professor of Anthropology, U.of Chicago, Affiliate Scientist, Primate Research Center, Emory U., "In sum, the 3.5- million-year-old footprint trails at Laetoli site G resemble those of habitually unshod modern humans. ...If the G footprints were not known to be so old, we would readily conclude that they were made by a member of our genus ...In any case we should shelve the loose assumption that the Laetoli footprints were made by Lucy's kind..." *Natural History*, 3190, p.64.

MODERN & TALL, RICHARD LEAKEY, "...the boy from Tukana was surprisingly large compared with modern boys his age; he could well have grown to six feet. ...he would probably go unnoticed in a crowd today. This find combines with previous discoveries of Homo erectus to contradict a long-held idea that humans have grown larger over the millennia." *National Geographic*, p.629, 11/1985

7.18 Man Even "Before" Lucy

CHARLES E. OXNARD Dean, Grad. School, Prof. Bio. and Anat., USC, "...earlier finds, for instance, at Kanapoi...existed at least at the same time as, and probably even earlier than, the original gracile australopithecines... almost indistinguishable in shape from that of modern humans at four and a half million years...", *American Biology Teacher*, Vol.41, 5/1979, p.274.

HENRY M. MCHENRY, U. of C., Davis, "The results show that the Kanapoi specimen, which is 4 to 4.5 million years old, is indistinguishable from modern Homo sapiens..." *Science*, Vol.190, p.428.

WILLIAM HOWELLS, Harvard, "...with a date of about 4.4 million, [KP 271] could not be distinguished from Homo sapiens morphologically or by multivariate analysis by Patterson and myself in 1967 (or by much more searching analysis by others since then). We suggested that it might represent Australopithecus because at that time allocation to Homo seemed preposterous, although it would be the correct one without the time element.", *HOMO ERECTUS*, 1981, p.79-80.

7.19 Racism!

DARWIN WAS A RACIST, "At some future period, not very distant as measured by centuries, the civilized races of man will almost certainly exterminate and replace the savage races throughout the world. At the same time the anthropomorphous apes. .. will no doubt be exterminated.. The break between man and his nearest allies will then be wider, for it will intervene between man in a more civilized state, as we may hope, even than the Caucasian, and some ape as low as a baboon, instead of as now between the negro or Australian and the gorilla." *The Descent of Man*, p.178

HAECKEL WAS A RACIST, "African Man-like Apes are black in colour, and like their countrymen, the Negroes, have the head long from back to front.. The Asiatic Man-like Apes are, on the contrary mostly brown, or yellowish-brown in color, and have the head short from front to back, like their countrymen, the Malays and Mongols." Haeckel, 1876, Vol.II, p.180

GOULD ACKNOWLEDGES, "Stephen J. Gould, Harvard, "Biological arguments for racism may have been common before 1850, but they increased by orders of magnitude following the acceptance of evolutionary theory." *Ontogeny and Phylogeny*, 1977, pp.127-128
"Recapitulation provided a convenient focus for the pervasive racism of white scientists; they looked to the activities of their own children for comparison with normal adult behaviors in lower races. [Quotes Henry Fairfield Osborne of American Museum of Natural History] The standard of intelligence of the average adult Negro is similar to that of the eleven-year-old of the species Homo sapiens." *Natural History*, 4/1980 p.144

In Conclusion, Then:

7.20 Variation Within Kind Is Observed - Evolution Is Not Observed!

8.0 SUMMARY OF ICA STONE EVIDENCE

I have made two trips to Peru investigating these carved Ica stones. The first trip was made in the spring 1997 with Dr. Dennis Swift of Portland, Oregon and geologist, David McQueen, formerly at ICR. As a result of the trip, McQueen and I were able to present a paper on the rapid formation of the stratigraphy of coastal Peru at the annual meeting of the Geological Society of America in Salt Lake in the fall of '97. The second trip with Dr. Dennis Swift, was in May of 2000.

On both trips we spent a considerable amount of time with Dr. Javier Cabrera whose imposing 300 year old Spanish home on the town square of Ica provides museum space for thousands of these stones, which I have personally examined and photographed.

Dr. Cabrera told us that in the early 1930's, his father found many of these ceremonial burial stones in area's numerous tombs. He has continued his father's research and has collected over 11,000 of them. Approximately one third depict the pornographic culture of the Nasca Culture, so graphically portrayed in the artifacts of that period and proudly displayed in the Peruvian museums. Some picture their idolatry, others represent amazing accomplishments, such as successful skull surgery (trepan) confirmed by scarring which demonstrates healed recovery.

Almost one third of the stones depict specific types of dinosaurs, Triceratops, Stegosaurus, Pterosaurs, etc. Several diplodocus-like dinosaurs have dermal frills. Confirmation of these features on fossil dinosaurs has been reported only recently (Geology, 12/1992, v.20, No.12, p.1068-1070).

All of this is very interesting since modern man's conception of dinosaurs did not begin until the 1800's when the word dinosaur was coined (1841). These stones do not depict skeletons but live, active dinosaurs, many of which are seen interacting with man. The obvious implication is that ancient Peruvians saw and lived with dinosaurs.

Dr. Cabrera was professor of medicine and head of his department at the University of Lima. He founded Peru's largest medical university in Ica. He founded the Museum of Ica. He was Cultural Anthropologist for Ica for many years and is now retired. In spite of all this, if the evidence for the authenticity of these stones hinged entirely on his credibility, I would remain skeptical.

He is a strange man. He seems almost tormented by the fact that the scientific community refuses to acknowledge the authenticity of the stones. He doesn't help his case with his bizarre interpretations and almost paranoid reluctance to reveal the location of the source of many of the stones. He says many more are there and

opponents would destroy them. One example of his eccentric ideas is his conviction that man and dinosaur were contemporary but both lived millions of years ago. Some theories are even more bizarre. He has strange ideas but is he a bald-faced liar and is his representation of the stones a complete fraud? I believe these are very different questions.

Perhaps Bill Codey, the producer of the video, Jurassic Art, claims to simply present the evidence, but appears to intentionally mislead, leaving out important facts. For example, it is illegal to sell Peruvian antiquities and grave robbers are often prosecuted. Swift, McQueen and I went to the village of Ocucaje, met and talked with Bacilleo Achua, the grave robber mentioned in the video, who admitted manufacturing some of the stones with a hack saw blade. He says police were present when he was asked, "Did you manufacture the stones you sold to Dr. Cabrera?" If he said no and admitted that they came from the tombs, he knew that he would go to prison. The average life expectancy in a Peruvian prison is two years. He has a wife, six children and a flock of kin folk depending on him for a living.

We know that some stones were manufactured to sell to tourists shops. I purchased such a stone depicting a dinosaur from a tourists shop. However, it was crudely done and represented as a souvenir. It was obviously different from those in Dr. Cabrera's museum. Dr. Cabrera acknowledged on the video that some carvings were recently produced but were easy to distinguish from the originals. Even Mr. Achua, after saying under duress that he carved some, said on the video that Dr. Cabrera had authentic stones from the tombs. He told us he had personally found many of the stones in the tombs. One skeptic on the video says the Cabrera stones have crude, brusque carvings and some do. However, many are absolutely exquisite. The idea of producing them with a hack saw is ludicrous.

The video skeptic claimed there was no patina. Dr. Cabrera has obtained test results from the University of Bonn in Germany, the University of Lima, and an engineering laboratory in Lima all of which confirmed a patina which they say is "indicative of great age." Dr. Swift has copies of the reports.

The skeptic said Dr. Cabrera's stones were darker than actual similar burial stones which he acknowledged to be from the tombs. Some are darker because Dr. Cabrera put shoe polish on them to make the carvings show up. The stones are feldspar. The material in the grooves has weathered to clay which is much lighter in color. When the background is darkened, the carving stands out dramatically.

Several miles outside the city of Nasca there is a group of looted tombs which tourists can visit for a small fee. Human bones and broken artifacts were strewn everywhere, though anything considered to be of value has been removed. Mummified remains can be seen in their tombs. Dr. Swift and I observed and photographed similar rounded stones in these tombs which appeared to be carved. We were not allowed to get close enough to see detail.

We were able to determine that Carlos Solte', Rector of the University of Engineers in Lima excavated similar burial stones near village of Ocucaje back in the 50's. Upon his death in 1968, his brother, Pablo Solte', donated the collection of stones to the Museum of Inca where they are presently housed or more accurately hidden. Dr. Swift and I were told by the Assistant Director that these stones did not exist. When it became obvious that we knew better and had seen pictures of them, it was acknowledged that they were in the museum, but were in storage. We were told that a letter of request and a day's notice were required to see them. We complied. When we returned were very sheepishly told we simply would not be allowed to see the stones. We were stonewalled.

The Indian chronicler, Juan de Santa Cruz Pachacuti Llamgui wrote that at the time of the Inca Pachachuti many carved stones were found in the Kingdom of Chinca, in Chinchayunga, which were called "Manco." (Juan de Santa Cruz Pachacuti Llamqui: "Relacion de antique dades d'este reyno del Peru.") The reference to "Chinchayunga" was the low country of the central coast of Peru, where Ica is located today. "Manco" is believed to be a corruption of the Aymara word "malku" which means "Chieftain" or "Lord of vassals." It is noted that some of these stones were taken back to Spain. The chronicler of the Incas wrote in about 1570.

The OJO, Lima Domingo, a major newspaper in Lima, Peru on October 3, 1993 described a Spanish Priest traveling in the area of Ica in 1525 inquiring about the unusual engraved stones with strange animals on them.

We also saw and photographed pieces of pottery displayed in the dark corners of a museum in Lima which depicted what looked like dinosaurs. The museum dated them at well over a thousand years old. We anticipate being able to acquire similar examples soon. It is accomplished by a museum to museum exchange which I am told is legal.

We were able to acquire a beautiful piece of tapestry from the Nasca tombs (ca 700 AD) with a repeating pattern that looks like dinosaurs.

So, it should be obvious that, contrary to the skeptic's representation on the video, the evidence

does not hinge solely on Dr. Cabrera's word. There is a great deal of evidence which was left out. The video's alternative explanation does not adequately explain the facts it did address. The issue is not simple. The Devil will always make sure of that. Nevertheless, I am convinced that there is strong evidence for the coexistence of man in dinosaur in Peru.

One Dozen Lines of Supporting Evidence

1. Chronicler of the Incas, Juan de Santa Cruz Pachacuti Llamgui wrote of the engraved stones in 1570. He also records Conquistadors taking some stones back to Spain.
2. The OJO, Lima Domingo, a major newspaper in Lima, documented a Spanish Priest who described engraved stones with strange animals in the area of Ica in 1525.
3. Spanish aristocrat, Bolivia Cabera began collecting stones from the fields of his own plantation in 1930's. They are presently in the Cabrea Museum.
4. His son, Dr. Javier Cabrera continued the collection (11,000 pieces). He is retired Professor and Head of Department of Medicine at University of Lima, he established the largest teaching hospital in Peru and is retired Cultural Anthropologist for Ica, Peru
5. Carlos Soldè, Rector of University of Ingemena at Lima excavated similar stones near the village of Ocucaje in the 1950's.
6. Carlos' brother, Pablo Soldè, donated the stones to Museum of Ica upon Carlos' death in 1968.
7. Museum Of Ica denied existence of the Soldè stones, then admitted possession, then promised access, then refused permission.
8. Bacilleo Achua excavated many stones from tombs in the area of the village of Ocucaje.
9. Willie Munoz y and his wife Sosa Cespedes De Munoz y excavated similar stones from tombs in the Nazca area.
10. Dr. Don Patton and Dr. Dennis Swift observed similar stones in Nazca tombs.
11. Eric Wolf, a geologist in Lima, Peru associated with the Maurico Hochschild Mining Co. sent some of the Ica stones to be tested at the University of Bonn (Germany) in June of 1967. Professor Frenchen confirmed an oxidized patina on the andesite stones, indicating significant age.
12. Details of dinosaur anatomy are depicted on the stones that were only recently discovered by modern paleontologists.

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9.0 EVIDENCE FROM SOUTH AMERICA

9.1 "Out Of Place" Artifacts

See Figures 20-27, above, for:
Nasca Burial Stones, Ceramics, Pottery with Dinosaurs, ca. 500 AD
Nasca Textiles with Dinosaurs, ca.700 AD
Ceramic Dinosaurs from Acambaro, Mexico, BC, etc.

9.2 Ancient "Advanced" Technology

9.2.1 Hot Air Balloons

What *Kon-Tiki* uncovered about man's mastery of the sea, *Nazca* now reveals about man's conquest of the air. ...proves that men flew two thousand years ago - and they actually re-create the flying machines that ascended from Nazca's desert floor long ago. ...men of stunning sophistication and intelligence!" *Nazca: Journey to the Sun, Jim Woodman, Simon & Schuster, flyleaf*

9.2.2 Superior Calendar

"Strangely enough, though its origins are wrapped in the mists of antiquity far deeper than the sixteenth century, the Mayan calendar achieved even greater accuracy. It calculated the solar year at 365.2420 days, a minus error of only 0.0002 of a day." *Fingerprints of the Gods, Hancock, 1995, p.159*

9.2.3 Advanced Engineering

"...hydraulic simulations showed that the Chimu channels were completely modern in design. They relied on concepts of fluid dynamics that Western hydrologists only started to apply within the past century." *Industrial Research & Development* September 1982, p.59

9.2.4 Ancient Superiority - Irrigation

"...Alan Kolata and his colleagues at the University of Chicago reproduced the irrigation technology practiced 1,500 years ago by the Tiahuanaco people in test plots near modern-day Bolivia's Lake Titicaca. The resulting bumper crops - in some cases seven times the average yield of land farmed using modern techniques..." *U.S. News & World Report, 2, 1990, p.53*

9.2.5 Ancient Superiority - Engineering

"What is truly impossible about the block is that it is the size of a five-story house and weighs an estimated 20,000 tons! We have no combination of machinery today that could dislodge such a weight, let alone move it any distance. ...shows their mastery of a technology which we as yet have not attained." *Secrets of the Lost Races, Rene Noorbergen, p.197*

9.2.6 Devolved

"The pyramid age had come to an end, having lasted for a little more than a century. Pyramids were still being erected ...but they rapidly became smaller and shoddier..." *American Scientist*, 3-4/1971, p.212

9.3 Perspective Of Scripture

EZEKIEL 30:6: "Thus says the LORD: Those who uphold Egypt shall fall, and the pride of her power shall come down. From Migdol to Syene those within her shall fall by the sword, says the Lord God." 7 "*They shall be desolate in the midst of the desolate countries*, and her cities shall be in the midst of the cities that are laid waste."

ZEPHANIAH 2:13: "And He will stretch out His hand against the north, destroy Assyria, and make Nineveh *a desolation, as dry as the wilderness*. 14 The herds shall lie down in her midst, every beast of the nation. both the *pelican* and the bittern shall lodge on the capitals of her pillars; their voice shall sing in the windows; desolation shall be at the threshold; for He will lay bare the cedar work."

ISAIAH 34:11: But the *pelican* and the porcupine shall possess it, also the owl and the raven shall dwell in it. And He shall stretch out over it the line of confusion and the **stones of emptiness**.

9.3.1 Biological Similarities

9.3.1.1 In Their "Beginning": Sudden; Complex; Diverse; Every' Animal Phylum; Assumed History Missing

STEPHEN J. GOULD, HARVARD, "The Cambrian Explosion occurred in a geological moment, and we have reason to think that all major anatomical designs may have made their evolutionary appearance at that time. ...not only the phylum Chordata itself, but also all its major divisions, arose within the Cambrian Explosion. So much for chordate uniqueness... Contrary to Darwin's expectation that new data would reveal gradualistic continuity with slow and steady expansion, all major discoveries of the past century have only heightened the massiveness and geological abruptness of this formative event..." *Nature*, Vol.377, 26 10fJ5, p.682

RICHARD MONASTERSKY, Earth Science Ed., *Science News*, "The remarkably complex." forms of animals we see today suddenly appeared. ... This moment, right at the start of the Earth's Cambrian Period...marks the evolutionary explosion that filled the seas with the earth's first complex creatures. ...'This is Genesis material: gushed one researcher. ...demonstrates that the large animal phyla of today were present already in the early Cambrian and that they were as distinct from each other as they are today...a menagerie of clam cousins, sponges, segmented worms, and other invertebrates that would seem vaguely familiar to any scuba diver." *Discover*, p.40, 4/93

RICHARD DAWKINS, Cambridge, "And we find many of them already in an advanced state of evolution, the very first time they appear. It is as though they were just planted there, without any evolutionary history. Needless to say, this appearance of sudden planting has delighted creationists. ...the only alternative explanation of the sudden appearance of so many complex." animal types in the Cambrian era is divine creation...", *The Blind Watchmaker*, 1986, p229-230

SEPARATE (LIVING), GOULD, Harvard, "Our modern phyla represent designs of great distinctness, yet our diverse world contains nothing in between sponges, corals, insects, snails, sea urchins, and fishes (to choose standard representatives of the most prominent phyla)." *Natural History*, p.15, 10/95

SEPARATE, (FOSSILS) VALENTINE (U. CA) & ERWIN (MI St.), "If we were to expect to find ancestors to or intermediates between higher taxa, it would be the rocks of the late Precambrian to Ordovician times, when the bulk of the world's higher animal taxa evolved. Yet traditional alliances are unknown or unconfirmed for any of the phyla or classes appearing then." *DEVELOPMENT AS AN EVOLUTIONARY PROCESS*, p.84, 1987.

"TREES" NOT FROM FOSSILS, STEVEN J. GOULD, Harvard, "The evolutionary trees that adorn our textbooks have data only at the tips and nodes of their branches; the rest is inference, however reasonable, not the evidence of the fossils.", *Nat. His.*, V.86, p.13

ARBITRARY ARRANGEMENT, R. H. DOTT, U.OF Wis. & R. L. BATTEN, Columbia, AMNH, "We have arranged the groups in a traditional way with the 'simplest' forms first, and progressively more complex." groups following. This particular arrangement is arbitrary and depends on what definition of 'complexity' you wish to choose. ...things are alike because they are related, and the less they look alike, the further removed they are from their common ancestor." *EVOLUTION OF THE EARTH*, p.602

NOT GENETIC, SIR GAVIN DEBEER, Prof. Embry., U. London, Director BMNH, "It is now clear that the pride with which it was assumed that the inheritance of homologous structures from a common ancestor explained homology was misplaced; for such inheritance cannot be ascribed to identity of genes. The attempt to find homologous genes has been given up as hopeless." *Oxford Biology Reader*, p.16, "Homology an Unsolved Problem"

UNRELATED LOOK-ALIKES, J. Z. YOUNG, Prof. of , Anatomy, Oxford, "...similar features repeatedly appear in distinct lines. ...Parallel evolution is so common that it is almost a rule that detailed study of any group produces a confused taxonomy. Investigators are unable to distinguish populations that are parallel new developments from those truly descended from each other." *LIFE OF THE VERTEBRATES*, p.779

INTERPRETATION OF SIMILARITY, T. H. MORGAN, -" Prof. Zoology, Columbia, University, "If, then, it can be established beyond dispute that similarity or even identity of the same character in different species is not always to be interpreted to mean that both have arisen from a common ancestor, the whole argument from comparative anatomy seems to tumble in ruins." *SCIENTIFIC MONTHLY*; 16;3;237, p.216

MOLECULAR "FAMILY TREES", COLIN PATTERSON, Senior Paleontologist British Museum of Natural History, "The theory makes a prediction. We've tested it and the prediction is falsified precisely. ...so something is wrong with the prediction. Something is wrong with the theory." *American .Museum of Natural History*' Speech, 11/5/81

MOLECULAR "FAMILY TREES", "The result, Naylor told the meeting, gave 'really quite impressive' statistical support -for what has clearly the wrong answer. ...Naylor's talk - which Patterson says received "the closest thing to a standing ovation during the meeting"-showed that sequence data can sometimes mislead or even give an entirely wrong answer," *Science*, Vol.276, May16, 1997, p.1033

EMBRYONIC RECAPITULATION?, ASHLEY MONTAGU, "The theory of recapitulation was destroyed in 1921 by Professor Walter Garstang in a famous paper. Since then no respectable biologist has ever used the theory of recapitulation, because it was utterly unsound, created by a Nazi-like preacher named Haeckel." Montagu - *Gisb Princeton Debate*, 4/12/80

NOT SO, G. G. SIMPSON and W. BECK, "Haeckel misstated the evolutionary principle involved. It is now firmly established that ontogeny does not recapitulate phylogeny." *INTRODUCTION TO BIOLOGY*, p.273, 1965

BIOGENETIC "LAW?", DOTT, Univ. of WI, & BATTEN, Columbia Univ., A.M.N.H., "Much research has been done in embryology since Haeckel's day, and we all know that there are all too many exceptions to this analogy, and that ontogeny does not reflect accurately the course of evolution." *EVOLUTION OF THE EARTH*, p.86

RECAPITULATED ERROR, K. S. THOMPSON, Pres., Academy of Natural Sciences, "Surely the 'Biogenetic Law' is as dead as a doornail. It was finally exorcised from biology test books in the fifties. As a topic of serious theoretical inquiry, it was extinct in the twenties." *American Scientist*, p.273, 5/6/88

"EMBRYONIC LIES", DR. MICHAEL RICHARDSON, St. George's Hospital Medical School, "what he did was to take a human embryo and copy it, pretending that the salamander and the pig and all the others looked the same at the same stage of development. They don't. There's only one word for this, and Dr. Richardson doesn't flinch from using it. 'These are fakes. In the paper them misleading and inaccurate, but that is just polite scientific language.'" *The Times* (London), p.14, 8/11fJ7

"EMBRYONIC FRAUD LIVES ON", "Although Haeckel confessed...and was convicted of fraud at the University of Jena, the drawings persist. 'That's the real mystery.' says Richardson.", *New Scientist*, p.23, 9/6fJ7

"HAECKEL'S EMBRYOS: Fraud Rediscovered", "In reality, Richardson and his colleagues note, even closely related embryos such as those of fish vary quite a bit in their appearance and developmental pathways. 'It looks like it's turning out to be one of the most famous fakes in biology.' But Haeckel's confession got lost after his drawings were subsequently used in a 1901 book called *Darwin and After Darwin* and reproduced widely in English-language biology texts." *Science*, p.1435, V.277, 9/5/97

New York Times, 4/8/2001, "Several years ago, though, biologists discovered that many of the drawings were fraudulent... One of the texts that includes the faulty drawings is the third edition of *"Molecular Biology of the Cell,"* the bedrock text of the field. Its authors include Dr. Bruce Alberts, a biochemist who is president of the National Academy of Sciences, and Dr. James D. Watson, the geneticist who shared a Nobel Prize for unraveling the Structure of DNA."

10.0 SO HOW CAN WE CHECK TO SEE WHO'S RIGHT?

It may interest you to know that Folks who study the Bible seriously, have already provided a method to use for this determination. The Biblical subject of Hermeneutics (Interpretation – Controlling Principles) provides us with such a method.

In that discipline exists a principle called “The Checking Principle” that we shall declare and illustrate, below.

3.7 The Principle of Checking ^a

Check interpretations with other sources.



"Here's the last entry in Carlson's journal: 'Having won their confidence, tomorrow I shall test the humor of these giant but gentle primates with a simple joy-buzzer handshake'."

Figure 03.07.01. A

Lesson In Cross

Cultural Anthropology.

3.7.1 Positive

Consult pertinent secular studies - e.g. science, history, archaeology... In the discipline of mathematics, Projective Geometry, one of the few self consistent systems (no contradictions), contains only three primitives, point, line, and incidence. As the result of its development, features exist which present analogies to our Triune God and a way to explain seemingly contradictory concepts of theology. In Euclidian geometry a contradiction exists when it is stated that parallel lines are those lines that never intersect. We could state some of our problem areas of theology like the

^a N. Carlson, Hermeneutics, An Antidote For 21st Century Cult Phenomena, Section 3.7 The prospective principle of Checking.

free will of man vs. the election by God as though they are like the parallel lines of geometry. In the Euclidian sense this cannot be resolved. From the non-contradictory projective approach, parallel lines (like seeming contradictions in theology) intersect at one and only one point on the 'ideal' line at infinity! Figure M 1., illustrates this geometrical analogy.

3.7.1.1 **Knowledge Of Ancient Writings Also Led To Famous Biblical Discoveries.**

Homer led H. Schliemann to Troy, the Bible led Sir William Ramsey to Galatia and Nelson Glueck to Ezion-Geber³ and to the region of the Jordan River where he discovered more than 70 sites, some more than 5000 years old.⁴ Using the archaeological method of ceramic-seriation survey; defining the ceramic chronology of an area through the carefully controlled surface collecting and arranging in chronologically ordered series of pottery at a large series of habitation sites⁵; allowed Garstang to date the fall of Jericho at 1440 B.C.⁶. Although Garstang's work involved excavation, he used the results of other surveys/excavations to date the fall of Jericho. Also, The Bible led Dr. Robert "Bob" Cornuke (among others to find the Jebel Al-Musa (The Mountain of Moses) in Arabia where the Bible says it is. Gal 1:17, 4:25. Bob has successfully located The Place and The Anchors where the Shipwreck of Acts 27:13-28:1 occurred. Bob also by examining the Old Testament believes he has discovered the final resting place of the Ark of the Covenant – in Ethiopia!⁷ He and his team of workers have established Hospitals and Orphanages, and a Christian School in that arid land.

3.7.1.2 **Consult Doctrinal Works.**

For example, theologies like A.G. Strong, L.S. Chafer, Bancroft, Hodge. Edersheim sheds secular light on the interpretation of the local (Upper or Lower Galilee) where Lk 17:6 and 19:4 were spoken. "We are reminded of the history of Zaccheus (Lk 19:4) by the mark which the Rabbis give to distinguish between Upper and Lower Galilee - the former beginning "where sycomores cease to grow." The sycomore, which is a species of fig, must, of course, not be confounded with our sycamore, and was a very delicate evergreen, easily destroyed by cold."^{8/33} See Ps 78:47.

3.7.1.3 **Consult Exegetical Commentaries.**

For example, Calvin, Scroggie, Lightfoot, Morgan,

3.7.1.4 Consult "Expert" Grammatical Sources.

For example, A.T. Robertson, J. W. Watts, James Hope Moulton, C. F. D. Moule, Nigel Turner, W. E. Vine, F. F. Bruce, R. C. Trench, R. B. Girdlestone, J. Weingreen, Francis Brown, S. R. Driver, C. A. Briggs, Walter Bauer, W. F. Arndt, F. W. Gingrich, . . .

Burton writes^{9/12} "The Progressive Imperfect is sometimes used of action attempted, but not accomplished." This use is called the Conative Imperfect. Burton cites the word *ηναγκαζον* in Ac 26:11 as being an example of a Conative Imperfect. The translation contained within brackets, {}, is suggested. **And I punished them off in every synagogue, and compelled {tried to make} [them] to blaspheme; and being exceedingly mad against them, I persecuted [them] even unto strange cities.** In Mk 9:38, the Apostles tried to forbid him - Greek *εκωλυομεν* -(from casting out demons).

Remember: Other individuals gifted by God have written on the interpretation of the Scriptures. It may sound very spiritual to say "I just read my Bible" or "I consult not with whatever men may say or write." Such statements usually are an attempt to cover an inadequate understanding of Revelation, Inspiration, Illumination, and Interpretation.

To ignore the works of pilgrims at least as knowledgeable and gifted as are we, (If we are?) shows our IGNORANCE, not our spirituality.

3.7.2 Negative**3.7.2.1 Do Not Succumb To Mere Scholarship, Majorities, etc.**

The National Meteorological Society did not understand the mechanism of "what made it rain" until about 1966. The patriarch Job, however, records the Lord speaking: Job 38:25-26 **25 Who hath divided a watercourse for the overflowing of waters, or a way for the lightning of thunder; 26 To cause it to rain on the earth, [where] no man [is; on] the wilderness, wherein [there is] no man;**

3.7.2.2 Do Not Assume These Other Sciences Are Infallible.

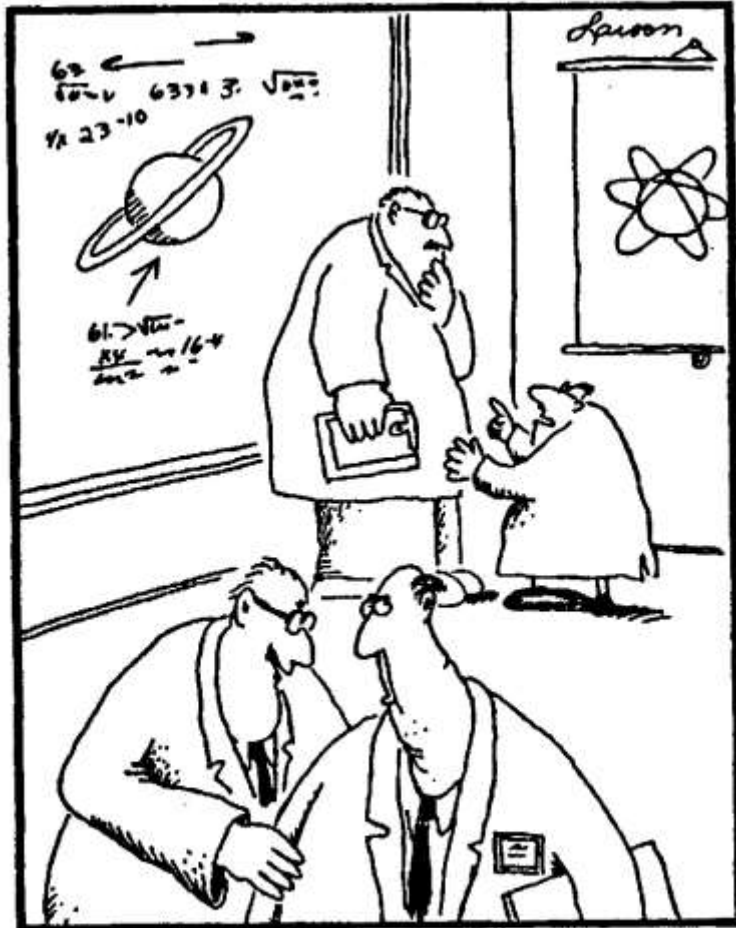
Deliver us from naivety! Melvin Cook^{10/3}, Refutes Libby, the father of radio carbon (C^{14}) dating, by showing that the time rate of change of C^{14} , $d(C^{14})/dt$, in the upper atmosphere was not in equilibrium. He then went on to date our atmosphere at 15,800 years. Libby, in

private correspondence with Cook, admitted that his (Libby's) (old earth) dates were suspect. Although more recent dating methodology have shown great uncertainty with both positions.

Looking at these rules consider the following illustration.

A Warning About The Use Of The Checking Principle

By Rev. Norman E. Carlson, Aerospace Scientist



"There goes Williams again... trying to win support for his Little Bang theory!"

THE CHECKING PRINCIPLE

USE ACCREDITED SECULAR SOURCES

1. A Tribute To God's Natural Revelation.

"In words as fashions the same rule will hold,
Alike fantastic if too new or old:
Be not the first by whome the new are tried,
Nor yet the last to lay the old aside."

-Alexander Pope

Ps 19:1 The heavens declare the glory of God; and the firmament sheweth his handiwork.

Ps 97:6 The heavens declare his righteousness, and all the people see his glory.

The following analogies from the realm of natural revelation might serve to show the reasonableness of problems facing many "theologians" concerning problems like the sovereignty of God vs the free will of man; the infinite creator in the person of Jesus Christ in the form of a finite man, the concept of the indwelling Holy Spirit - how can Christ be

said to be in the Christian and yet still be our Heavenly advocate. Some basic considerations here might prove beneficial to both theologians and those skilled in the natural sciences. The information shared, below, **does NOT constitute a proof** or even reveal how God performs His marvelous works. They do, however, indicate the plausibility of such work as the natural Revelation suggests.

1. Do not jump to conclusions. We often times do this because of inadequate knowledge. Often we try to solve the problem before the problem has been defined.
2. Often, most men must admit that problems which seemed to exist were really not problems but were the results of insufficient data, or the wrong presuppositions to start with. Having dabbled some in the fields of natural and special revelation and applying the principle of induction first to myself and then to close associates, my observations have disclosed a natural bent in all men toward viewing facts with illogical predispositions. (Biases)

Therefore consider carefully the following analogies, which may help to illustrate certain doctrines of scripture (special revelation) from the disciplines of mathematics (natural revelation).

2. Some Essentials To A Scientific Approach

The geometry first taught in school systems today varies little from the geometry of the Greek geometors and which bears the name of one of the formulators, Euclid, Euclidian geometry as in other geometries, (Note that there have been developed, many other geometrical systems) or for that matter, any science, two parts of the system are clearly distinguishable the first may be called initial propositions; the second is the process of inference from these initial propositions. This method is (or should be) pursued whether the subject pursued is physics, mathematics, history, or theology. "i.e., In any branch of mathematics these same two parts can be distinguished for there, too, are initial propositions and inferences drawn from them. But in a branch of mathematics the initial propositions are not statements of observed or recorded facts; indeed, they are not statements of physical fact at all. It is true that they may have been suggested by observed facts, but, nevertheless, the initial propositions of mathematics are, in essence, propositions about ideas or concepts whose full connexion with physically existing reality is a matter of secondary importance to the mathematician^a."

To early geometry study, up until the time of Poncelet (metrical geometry development work published in 1822), the points and lines of geometry were considered to be points and lines of physical space. At that time mathematicians began to see that point and line were really more abstract and general than did their predecessors. As an illustration it should be well known to any High, School graduate, that the multiplication of two "real" numbers with like signs produce a positive "real" product. Conversely if we are given a positive real number, grade school techniques will allow us to find the two factors (by taking the "square root"). If however, we are asked to take the square root of a number with a negative sign we are in for a little trouble since there exists no real number such that multiplication by itself will yield a negative number. You might be thinking "who cares about such curiosities", or "why such a long illustration", or "if such things (numbers) aren't part of our physical universe why mess with them?" The answer is that without such concepts you would need to begin doing your cooking, lighting, washing, heating, shaving, etc, without benefit of the electrical

^a An Introduction to Projective Geometry, C,W, O'Hara, D.R. Ward, Oxford

power that we have grown so accustomed to. Modern man does not turn his back on certain devices merely because they are not explainable in terms of real points and or lines of physical space. Modern man doesn't necessarily need even a demonstration of the functionality of some new process that may not be explainable in terms of physical space. He often accepts things without either explanation or reason.

It may occur to ask that "Since the initial propositions of a mathematical science are very abstract, is it open for the mathematician to lay down just any set of initial propositions and thus start a new branch of mathematics? The answer is that even apart from the question of whether such an arbitrarily founded "science" would be fruitful; **the mathematician is restricted by one very important condition on the initial propositions which prevent such a completely arbitrary set being chosen.** The initial conditions must be self-consistent: i.e., they must not lead to contradictions. To do this the mathematician must prove (verify) what is called an existence theorem. This is done by finding a set or collection of factors for which his initial propositions are true. He must then know of at least one particular instance of the general concepts with which his science deals.

3. The Sovereignty Of God vs The Free Will Of Man - From Projective Geometry

3.1 An Example From Projective Geometry

We turn now to one of the "most" consistent of all fields of mathematics, that of projective geometry. Some things to consider in this discipline are the basic Assumption (Called Primitives) of the existence of three "things" called:

- (a) point,
- (b) line,
- (c) incidence.

These terms are not defined but are used in the statements of the initial propositions. Every science starts out this way. Projective geometry has these three primitives which it unashamedly puts forward without attempting to define them. (The Trinitarian Christian theistic system is another example of such a science.)

Gen. 1:1 "In the beginning God created the heavens and the earth", .

Gen 1:2b "And the Spirit of God brooded over the face of the waters",.

John 1:1 "In the beginning was the Word and the Word was with God , and the Word was God".

John 1:10 "He was in the world, and the world was made by him, and the world knew him not.

11 He came unto his own, and his own received him not.

12 But as many as received him, to them gave He power to become the sons of God, *even* to them that (or: those who) believe on his name:"

Realizing of course that the modern mathematician states his mathematical statements as exactly as possible, it is however, commonly accepted, that the statement of the so-called parallel postulate of Euclidian geometry by the way it was used, ignored anything but finite points on either of the two lines. You may then state the postulate as you like but contrary to the hope of the Italian

geometer Saccheri^a (1667-1733), the parallel postulate cannot be deduced from the other postulates of Euclidean geometry. The postulate may be formally stated as:

P-1 "Given a line and an external point (one not lying on that line), there is exactly one line which passes through the given point and is parallel to the given line." Or in simpler language the statement:

Two lines are parallel if they lie in the same plane but do not intersect.

We may be able to state such a thing, but not on the basis of the other "earlier" postulates of the Euclidian Geometrical System. These postulates referenced are primitives of the Euclidean system, but, we cannot deduce such a statement (i.e., the Parallel Postulate) from these simpler concepts (Primitives).

In order to prove that a particular postulate is independent of the others you have to show that there exists a mathematical system in which all of the other postulates are satisfied but in which this particular one is not.

If we shift gears from Euclidean to the simpler but more general projective geometry we find that it is easy to verify the parallel postulate as independent of the others. In Projective Geometry all coplanar^b lines intersect. (parallel or not). The quantifying statement regarding parallel lines is that two lines are parallel if and only if they are (a) coplanar, and (b) intersect in a point on what is called the "ideal line" at infinity.

Modern man talks a good game but cannot stand the press of logic.

- a. He accepts the infinite without being able to either see or hear or feel it. He must do it "scientifically" or be stuck as was Saccheri.
- b. He **must** either **see or hear or feel it**. He must do it "scientifically" or be stuck as was Saccheri, above, on the horns of an historical comedy.
- c. He accepts concepts if they are able to explain the facts in a consistent manner regardless of the abstractness of a procedure.
- d. He desires not (and this is very important) that such an assumption will yield consistent results. e.g. he doesn't desire to see a point or a line but is merely content to set a dot for a point or a "straight mark" for a line. He knows full well that such finite representations actually mask some very important properties of the concepts represented by, say, that dot.

The theologian is caught in the same trap when studying certain Biblical truths contained in the Word of God. The one that perhaps plagues more individuals than any other is the Biblical dilemma of the sovereignty of God versus the free will of man.

The Christians have been polarized into one of two camps on this issue. The example from Projective Geometry can illustrate the problem. Looking at Figure 1, assume that line A represents the sovereignty of God while line B represents the free will of man. In a finite distance these lines do not cross and so have no points in common. The solution of the dilemma is obvious if we allow ourselves the ability to look at both doctrines from a point "P" at

^a Euclides ab omne naevo vindicatus by Gerlamo Saccheri

^b Coplaner Lines: Lines that lay in the same plane

infinity, i.e., from God's viewpoint. Try as we might, it may be as difficult for the Calvinist to see how a dead man can by his own choice become alive (Eph. 2:5), as it is for an Arminian to see how God can righteously allow men who are foreknown to be lost, to be born into the world.

I would suggest that a solution might involve.

1. Making sure our theology is based squarely on the Word of God (in the original languages)^a.
2. Do the work necessary to translate every passage of scripture having to do with Soteriology especially the areas of man's choice and God's electing grace.^b

Try to look at any conflicts that arise from Point P of Figure 1. (Eph. 2:6). That is, Make a vigorous attempt to look at this from God's perspective. Rom 9:22 What if God, willing to shew *his* wrath, and to make his power known, endured with much longsuffering **the vessels of wrath fitted to destruction:**

2675 katartizw katartizo *kat-ar-tid'-zo* †^{ce} (used only once, in the N. T., i.e., a Hapex-Legomena) from 2596 and a derivative of 739; TDNT-1:475,80; v AV-perfect 2, make perfect 2, mend 2, be perfect 2, fit 1, frame 1, prepare 1, restore 1, perfectly joined together 1; 13

1) to render, i.e. to fit, sound, complete

1a) to mend (what has been broken or rent), to repair

1a1) to complete

1b) to fit out, equip, put in order, arrange, adjust 1b1) to fit or frame for one's self, prepare

1c) ethically: to strengthen, perfect, complete, make one what he ought to be

5772 Tense-Perfect

See 5778 Completed action in past time.

Voice-Passive

See 5786 Done by someone else! Not that

man himself!!! God? or Satan? or false teachers? **"Who-'done'- it."**

Mood - Participle

See 5796

I note that this word, katartizw, is used for the Holy Spirit fitting men for the work of the ministry.

Eph 4:12 For the perfecting (Greek katartismos- AMS > katartismov) of the saints, for the work of the ministry, for the edifying of the body of Christ:

2677 katartismov katartismos *kat-ar-tis-mos'* *The noun form of the verb katartizw, used in Rom 9:22, above.*

from 2675; TDNT-1:475,80; n m

AV-perfecting 1; 1

1) complete furnishing, **equipping**

Eph 4:12 ATR

For the perfecting (προς τον καταρτισμον). Late and rare word (in Galen in medical sense, in papyri for house-furnishing), only here in N.T., though καταρτισις in #2Co 13:9, both from καταρτιζω, to mend (#Mt 4:21; #Ga 6:1). "For the mending (repair) of the saints."

Unto the building up (εις οικοδομην). See #2:21. This is the ultimate goal in all these varied gifts, "building up."

Rom 9:22 ATR

^a N. Carlson, Hermeneutics, An Antidote For 21st Century Cult Phenomena, Section 3.1.1 The prospective principle of "The Priority Of The Original Language.", 2014, Create Space Publishers.

^b N. Carlson, "A Dispensationalist Examines TULIP", 2015, Create Space/Amazon Publishers.

^c †: Means all references in the document, e.g., the New Testament, have been given.

Willing (θελων). Concessive use of the participle, "although willing," not causal, "because willing" as is shown by "with much long-suffering" (εν πολλη μακροθυμια, in much long-suffering).

His power (το δυνατον αυτου). Neuter singular of the verbal adjective rather than the substantive δυναμιν.

Endured (ηνεγκεν). Constativ second aorist active indicative of the old defective verb φερω, to bear.

Vessels of wrath (σκευη οργης). The words occur in #Jer 50:25 (LXX #Jer 27:22), but not in the sense here (objective genitive like τεκνα οργης, #Eph 2:3, the objects of God's wrath).

Fitted (κατηρτισμενα). Perfect passive participle of καταρτιζω, old verb to equip (see #Mt 4:21; 2Co 13:11), state of readiness. Paul does not say here that God did it or that they did it. That they are responsible may be seen from #1Th 2:15.

Unto destruction (εις απωλειαν). Endless perdition (#Mt 7:13; 2Th 2:3; Php 3:19), not annihilation.

Rom 9:22 W. Newell

22 What if (ist class condition: since/indeed)^a GOD, willing to show His wrath, and to make His power known, endureth with much longsuffering vessels of wrath fitted unto destruction: {Those in Adam}

23 and that He might make known the riches of His glory upon vessels of mercy, which he afore

24 prepared unto glory, even us, whom He also called, not from the Jews only, but also from the Gentiles?

Verse 22: What if GOD—the greatness of the Creator and the nothingness of the creature! God's will is supreme and right, even to His being willing to show publicly His wrath—both at the day of judgment, and on through eternity. His holiness and righteousness will be exhibited to all creatures in His visitation of wrath upon the wicked:

And to make His power known—Job in astonishing words describes God's power as seen in creation and providence, but adds:

**"Lo, these are but the outskirts of His ways:
And how small a whisper do we hear of Him!
But the thunder of His power who can understand?"
(#Job 26:14.)**

But the day is coming when His power will be publicly exhibited in overwhelming and eternal visitation upon the vessels of wrath. Let us ponder this great passage:

What if GOD, willing to show His wrath, and to make His power known, endured with much longsuffering vessels of wrath fitted unto destruction? (Ro 9:22) Here we find:

1. That certain were fitted unto destruction. It is not said that God so fitted them.¹ But in Chapter Two we find those who "despise the

^a N. Carlson, "All The Conditional Sentences (Clauses) In The Greek New Testament, 2013, Create Space/Amazon Publishers."

goodness and forbearance and longsuffering of God, not knowing that the goodness of God was meant to lead them to repentance." Of such it is said that they "treasure up for themselves wrath in the day of wrath."

2. God had, we next read here, in their earth-life dealt with these with much longsuffering. They never learned however, as Peter urged, to "account that the longsuffering of our Lord is salvation" (#2Pe 3:15). This longsuffering is the enduring on earth of ungrateful rebels by a God surrounded in Heaven by the glad, obedient hosts of light!
3. They thus became vessels of wrath: those in and through whom God could publicly and justly display His holy indignation against sin and godlessness, —for a warning to all ages and creatures to come.
4. Thus these came to that destruction unto which their sin had duly fitted them. Now this "destruction" is not at all that cessation of 'being, of which we hear so much from Satan's false prophets in these days. But it is, according to #2Th 1:7,9, an eternal visitation of Divine anger "in flaming fire" from the very presence of the Lord Himself! It not only involves the final withdrawal of all mercy and long- suffering, but the eternal infliction of Divine punishment upon the bodies of the damned.
5. The terribleness of this is seen in the fact that this "destruction," this visitation of punishment upon the persons of the lost, will be made the occasion of God's exhibiting publicly both His holy wrath against sin, and also His power in the punishment of it. His hatred of sin is absolute, —and these will be made to experience it; His power is infinite, and these will be compelled to be an example of it.
6. In the words What if GOD—should proceed thus? All creature-questionings are stilled into awful silence, if not today, some day!

Nevertheless, we must let certain Scriptures lie just as they are, whether or not they consort with our conceptions, or whether we find ourselves able to "reconcile" them with our "theological system" or not. We quote a few of these Scriptures:

"The wicked are estranged from the womb; They go astray as soon as they are born, speaking lies" (#Ps 58:3).

"Jehovah hath made everything for its own end; Yea, even the wicked for the day of evil" (#Prov 16:4).

"They stumble at the word, being disobedient: whereunto also they were appointed" (#1Pe 2:8).

"Again, when a righteous man doth turn from his righteousness, and commit iniquity, and I lay a stumbling block before him, he shall . . . die in his sin, and his righteous deeds which he hath done shall not be remembered (#Ezek 3:20).

"Because they had not executed Mine ordinances, but had rejected My statutes, . . . I gave them statutes that were not good, and ordinances wherein they should not live" (#Ezek 20:24,25).

However, even in these passages, solemnly terrible as they are, we must separate God's actions from man's responsibility. God is not the author of evil; He tempteth no man; "He would have all men to be saved and come to the

knowledge of the truth." (Ref Job 1:6-12)

Note also: 1Pe 2:8 "And a stone of stumbling, and a rock of offence, *even to them* which stumble at the word, being disobedient: whereunto also they were appointed <5087> {V-API-3P}."

5087 τίθημι tithemi *tith'-ay-mee* a prolonged form of a primary yew theo *theh'-o* (which is used only as alternate in certain tenses); TDNT-8:152,1176; v

AV-lay 28, put 18, lay down 12, make 10, appoint 6, kneel down + 1119 + 3588 5, misc 17; 96

- 1) to set, put, place
 - 1a) to place or lay
 - 1b) to put down, lay down
 - 1b1) to bend down
 - 1b2) to lay off or aside, to wear or carry no longer
 - 1b3) to lay by, lay aside money
 - 1c) to set on (serve) something to eat or drink
 - 1d) to set forth, something to be explained by discourse
- 2) to make
 - 2a) to make (or set) for one's self or for one's use
- 3) to set, fix establish
 - 3a) to set forth
 - 3b) to establish, ordain

5681 Tense-**Aorist**
counsel - eternity past.

See 5777 Point action in past time; i.e., In the divine

Voice-**Passive**

See 5786 Done by someone else! Not that man himself!!!

Mood - **Indicative**

See 5791 Mood of reality.

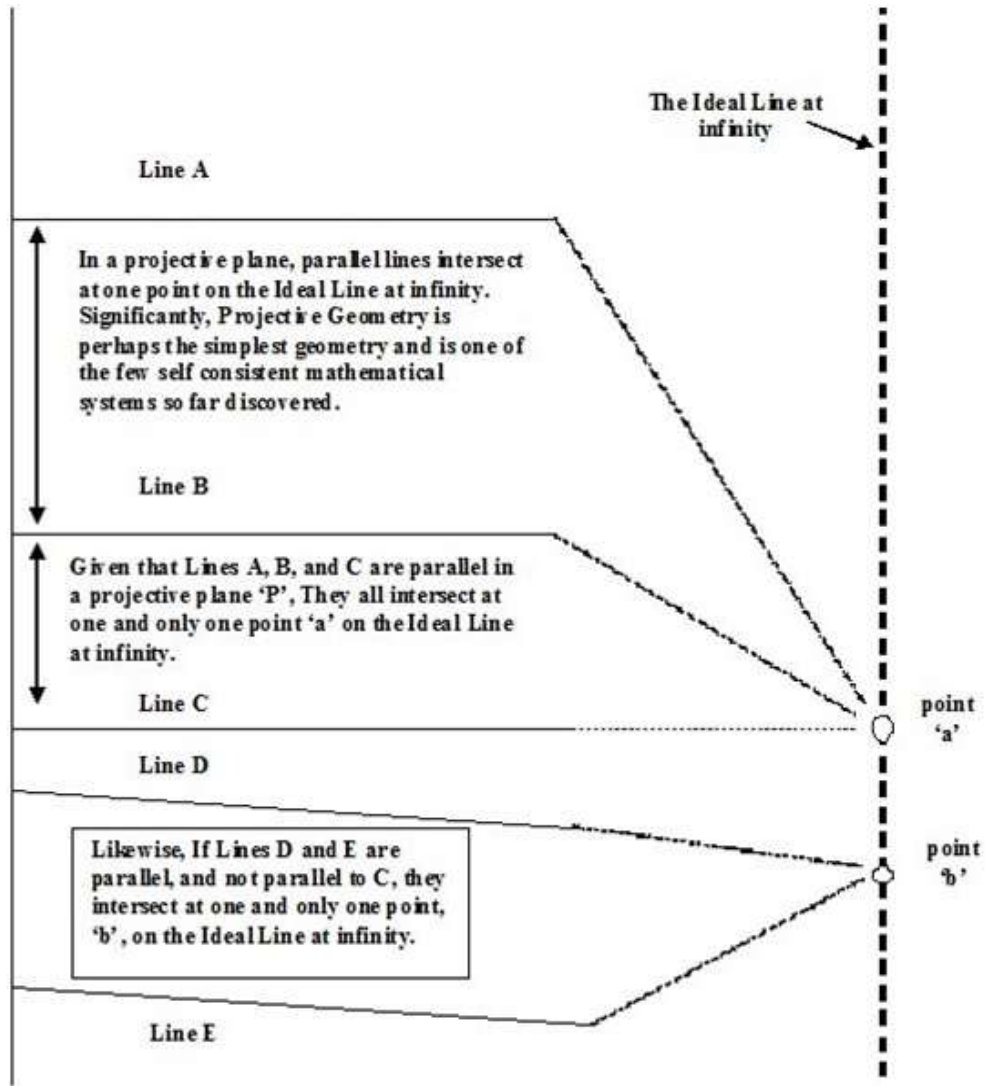


Figure 03.07 02. An Analogy From Projective Geometry

4. The Infinite Creator In The Person Of Jesus Christ - From Point Set Topology

4.1 An Example From Algebraic (Point Set) Topology

Phil 2:5 Let this mind be in you, which was also in Christ Jesus:

6 Who, being in the form of God, thought it not robbery to be equal with God:

7 But made himself of no reputation, and took upon him the form of a servant, and was made in the likeness of men:

8 And being found in fashion as a man, he humbled himself, and became obedient unto death, even the death of the cross.

In a study of Mathematical Analysis^a and Point Set Topology^b the following concepts were suggested.

From Tom Apostol's book, the subject of open and closed sets. A set, S , of points is called: an open set if every point in the set is an interior point - The point " x " is called an interior point of " S " if there exists some neighborhood " N " around " S " all of whose points belong to " S ", and A set, S , of points is called a closed set if every point in " S " includes its endpoints (called " a " and " b " in figure 2, below).

An illustration of an open set is shown in figure 2, below.

Assumptions: (see Figure 03.07.03.)

- (1) All statements made in this exercise have been established in the mathematical literature referenced or stated without proof.
- (2) There exist (at least) two points: " a " and " b " where the "value" of " a " (written simply a) is less than ($<$) the value of " b " (written simply b); where for our exercise " a " and " b " are real numbers.
Examples: $-1, 0, 1, -\frac{1}{2}, \frac{1}{2}, \pi = 3.14159 \dots$, are real numbers.
- (3) There exists a line " L " between points " a " and " b " with at least one point " x ", whose value is written x , between " a ", and " b ". (a is less than b - this may be written in short form $a < x < b$).
- (4) There exists a set of points " S " that includes at least the three points " a ", " b ", and " x " that lays on the line " L ".
- (5) We assume that the theory of real (including rational and irrational) numbers: "Rational numbers may be represented as those real numbers that may be expressed as the quotient of two integers (not zero). e.g., $1/1, 1/2, .1/4, \dots$; Irrational numbers may be defined as those real numbers that are not rational numbers. e.g., $\pi, \sqrt{2}, e, \dots, 1/\pi, 1/\sqrt{2}, 1/e$, where e is the number $2.718281828 \dots$, , .
- (6) A rational number plus or minus, divided by, or multiplied by a rational number is a rational number.
- (7) An irrational number plus or minus, divided by, or multiplied by a rational number is an irrational number.
- (8) An irrational number plus or minus, divided by, or multiplied by an irrational number (not that irrational number itself) is an irrational number.
- (9) (a) The results of the so-called Bolzano Weierstrass Theorem for point sets. e.g.,
(i) Definition: " x " is called an accumulation point of " S ", provided every neighborhood " N " of " x " ($x-h < x < x+h$, where h is an arbitrary real

^a Tom M. Apostol, Mathematical Analysis, Addison Wesley Publishing Company, INC., 1957

^b Donald W. Kahn, Topology, Dover Publications. INC., 1975, 1995

- number) contains at least one point of “S” distinct from “S”.
- (ii) Theorem: If “x” is an accumulation point of “S”, then every neighborhood $N(x)$ contains infinitely many points of “S”!
- (iii) Theorem (Bolzano-Weierstrass). If a bounded set S in E_1 contains infinitely many points, then there is at least one point in E_1 which is an accumulation point of S .
- (b) The results of the so-called Bolzano Weierstrass Theorem for point sets. i.e., If “x” is an accumulation point of “S” then every Neighborhood (“N”) of “x”, $N(x)$, contains infinitely many points of “S”. Alas-There goes Planck’s Constant up in smoke because Physics is involved only in the things they can measure - as Planck’s Constant.
- (10) etc., . . .

We can establish the fact that the number of points “x” having values x , rational numbers between any two points “a” and “b” having values (numbers) a and b . is countably infinite. However, the number of irrational numbers x with the corresponding points “x”, between “a” and “b”, are uncountably infinite!

The upshot of this exercise is to establish that given any two arbitrary points, “a” and “b” having values a and b (numbers) between these points/numbers, on a line, there are uncountably many points “x” having values x , between “a” and “b” having values a and b (numbers) between these points/numbers. This crudely will show the compactness of space. Given this concept, then, as our starting position, It is quite within reason for the great Infinite “I AM”, the creator of the universe to be as compact as a Fetus in Mary’s womb and yet having intrinsically all the attributes and powers including immensity of God! The fact that the God-Man Jesus was wondered at by his disciples when he quieted the storm on the sea of Galilee when he exclaimed; “Matt 4:41 *And they feared exceedingly, and said one to another, What manner of man is this, that even the wind and the sea obey him?*”

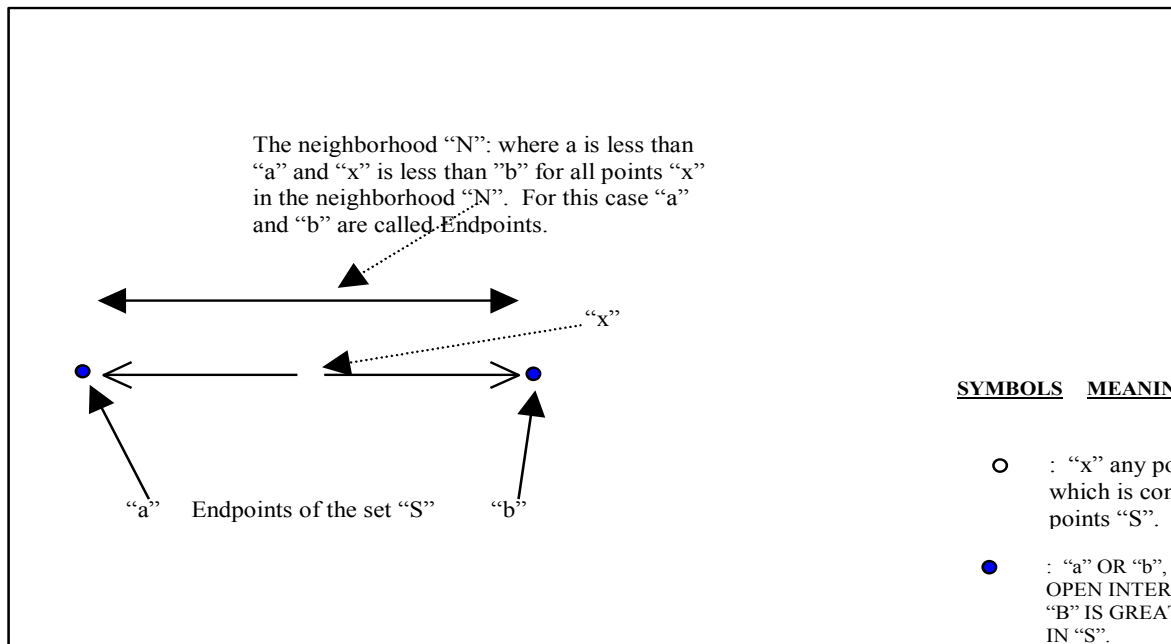


Figure 03.07.03. An Analogy From Point-Set/Algebraic Topology

5. An Argument For The Closeness Of God - From Differential Geometry

From the discipline of Differential Geometry the following information was derived in the Spring quarter of 1961, by myself under the suggestion of Dr. Carl Allendoerfer, Chairman of the Department of Mathematics at the University of Washington, Seattle, Wa, (And President Of The American Mathematical Society).

In Figure 03.07.04, below, suppose at point "a" there exists a two dimensional worm by the name of Quest, Quest for short. Quest is infinitely small, and knows only length and width (not height). He lives on the plane whose origin is "a", and whose coordinates are u and v . This plane also exists as a plane in the XYZ coordinate geometry, on a three dimensional sphere. Since Quest is VERY small, is it possible for him to find a shorter route from point "a" to "b" than the "planar" geodesic **S**, which, on the figure below is a "great circle"? This is intuitively obvious to you and me, for we would respond that "Of course there is, if we're super moles. The "line" **M** is obviously shorter. But our man Quest knows nothing of height so he responds "beats me." Differential geometry is concerned, at least in part, with the solution of such problems. For our man Quest, he can experience only travel in the (u,v) plane. He cannot experience travel in the w direction. He can, however, with his ingenuity, conceive mathematically of a trip from "a" to "b", without going along the geodesic **S** (the "great circle") but instead traveling the much shorter route, **M**. He does this by solving his problem using a portion of mathematics called Tensor Analysis. He can even give us an equation of the path length he'll travel if he can determine the curvature of the geodesic he lives on.

Now let us take this illustration in four or more dimensions. We normally call the 4th dimension time. From our mathematical theory we developed, we also need to be able to measure the curvature of the 4 dimensions in which we are immersed. In 1961 when this analogy was made, a measuring method for determining the curvature of our space was beyond the reach of science. However, even in those days, relativistic effects were known and were being instrumented. And oh, by the way, the man who put the theory together Dr. Albert Einstein, was himself, at least in his early days, an atheist. Up until this class in Differential Geometry, I was an average math student. My math GPA was only about 2.8 out of 4.0. However, a personal friend of my wife's family (lived next door), Dr. Carl Allendoefer, seemed to (and did) take a personal interest in our class. I, as always had to study very hard, but that quarter I got the 2nd highest grade in the class (which included several graduate students). Figures 03.07.04 and 03.07.05, below, were the real results of that class for me since I was able to take the two dimensional worm analogy and transfer it to me, a real 3 dimensional worm. The concepts shown on Figure 03.07.05 spoke to me as follows. How is it possible that Christ could really dwell in me or anyone else the way the Bible claims. Just as I was coming up with the answer stated, below, I was being introduced to Jesus while working in the engineering computer room at the Boeing Airplane Company in Renton Washington. The concepts being investigated are possibilities only, but are at least well within the realm of available mathematics.

I am the 3 dimensional worm of Figure 03.07.04. My quest is to find out if there was a way to determine if there was a way I could devise to go from point "a" of that figure to point "b" that exists in at least one higher dimension (let's assume we're talking of Heaven). As it turns out, WE CAN! The Mathematics works out so that we don't need to express the relationship in terms of the 4th or higher dimension but the problem may be solved in terms of the three dimensions (length, width, & height) that we are familiar with!

This was an astounding discovery for me. The implication was that heaven (where we are seated with the Lord Jesus), may be an infinitesimally short distance. It also provides a possible explanation of how we can be indwelt by the Lord Jesus Christ while He is in Heaven as the believer's defense attorney.

Phil 3:20 For our ~~conversation~~ citizenship is in heaven; from whence also we look for the Saviour, the Lord Jesus Christ:

21 Who shall change our vile body, that it may be fashioned like unto his glorious body, according to the working whereby he is able even to subdue all things unto himself.

Eph 2:4 But God, who is rich in mercy, for his great love wherewith he loved us,

5 Even when we were dead in sins, hath quickened us together with Christ, (by grace ye are saved;)

6 And hath raised *us* up together, and made *us* sit together in heavenly places in Christ Jesus:

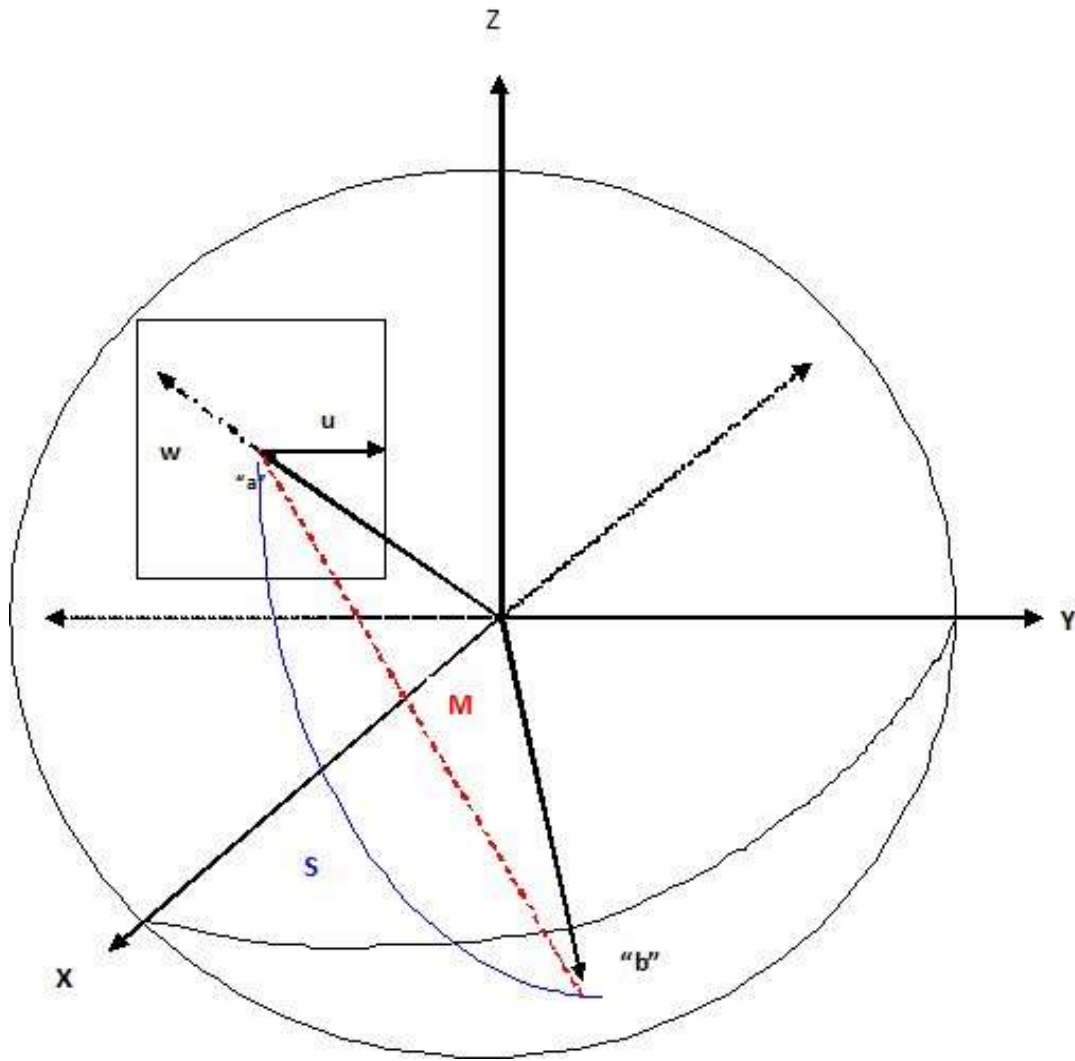


Figure 03.07.04 The Life Of A Two Dimensional Worm In A 3 Dimensional Space

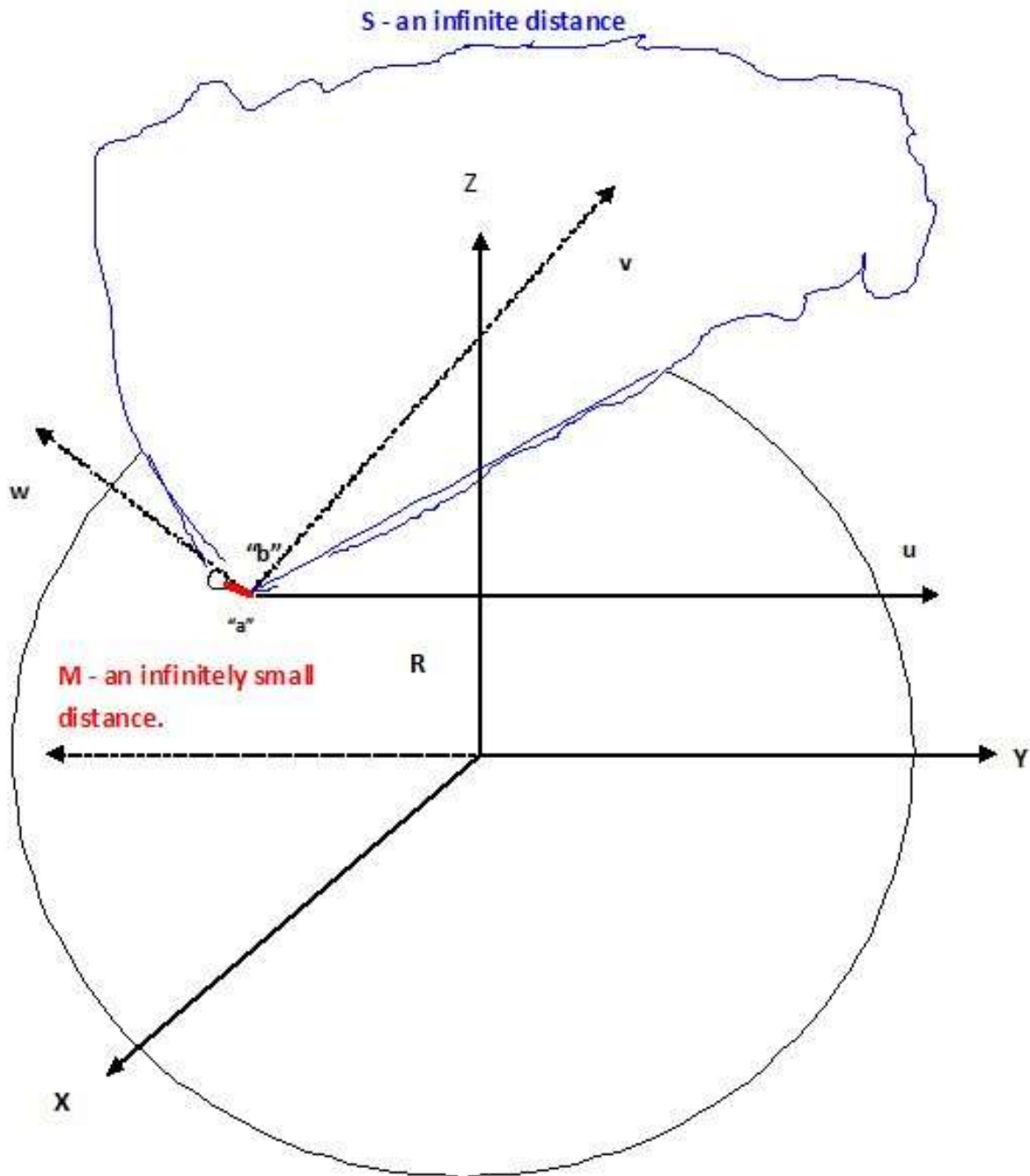


Figure 03.07.05. The Life Of A Three Dimensional Worm In An “n” Dimensional Space.

Job 25:6 How much less man, that is a worm? and the son of man, which is a worm?

Ps 22:6 But I am a worm, and no man; a reproach of men, and despised of the people.

CREATION SCIENCE WEB SITES

Scientific evidence for Creation Home page
<http://www.bible.ca/tracks/>

Creation Super Library
<http://christiananswers.net/creation/home.html>

Creation Scientists
<http://www.icr.org/creationscientists.html>

"Days" of Creation
<http://www.grisda.org/origins/21005.htm>

Creation in the Crossfire
<http://www.creationinthecrossfire.com>

A Creation Perspective
<http://www.cs.unc.edu/~plaisted/ce/>

True.Origin Archive
<http://www.trueorigin.org/index.htm>
<http://www.trueorigin.org/camplist.htm>

Creation Super Library
<http://www.ChristianAnswers.net/menu-ac1.html>

Creation Science
<http://emporium.turnpike.net/C/cs/index.htm>

Eric's Infocenter [Creation Science Home Page]
<http://www.geocities.com/Heartland/7547/science.html>

Institute for Creation Research
<http://www.icr.org/>

Creation Research Society
<http://www.creationresearch.org/>
<http://208.230.138.173/crsq.html>

Lambert Dolphin's Library
<http://www.best.com/~dolphin/>

The Revolution Against Evolution:
<http://www.rae.org/>

Genesis Park
<http://www.genesispark.com/genpark/park/park.htm>

Technical/In-depth Papers by Dr. David Menton
<http://emporium.turnpike.net/C/cs/papers.htm>

Creation Vs. Evolution
<http://www.webmecca.com/creation/>

Creation Station
<http://www.vbe.com/~tdg/creation/index.html>

EZ Evolution Refuters
<http://www.vbe.com/~tdg/creation/ez.html>

Legality of Teaching In Schools
<http://www.creationeducation.org/Articles/teaching.htm>

Evidence for a Young World,
http://www.creationresearch.org/creation_matters/99/cm9907.html

Creation Digest
<http://www.creationdigest.com/>

Insects Bug Evolution
<http://hometown.aol.com/kcpriest/index.html>

Creation ex nihilo, \$22
PO Box 6330, Florence, KY 41022

Creation ex nihilo Technical Journal \$37
PO Box 6330, Florence, KY 41022

Creation Research Society Quarterly
PO Box 8263, St. Joseph, MO 64508
Subscription comes with membership in the society.

Reason and Revelation \$8
Apologetics Press Inc., 230 Landmark Dr., Montgomery, AL 36117-3752

Acts & Facts (Free upon request)
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Bones Of Contention, Marvin Lubenough, \$12.95
The best, most up to date and complete information on Fossil Man.

Darwin's Black Box, Michael Behe, \$14.00
Devastating answer to Darwinism from a non-creationist who bases his conclusions on the recent explosion of knowledge about how the cell functions.

Did Adam Have A Belly Button? And other Tough Questions, Ken Ham, \$9.95.
Jr. High-High School level. Answers to questions like..."Where did Cain get his wife?" "What happened to dinosaurs?" "Where did the races come from?" etc. etc.

Did God Use Evolution?, Werner Gitt, \$4.99
High School-Adult level. An information scientist analyzes and refutes the assumptions and consequences of theistic evolution.

Evolution A Theory In Crisis, Michael Denton, \$19.95
College Level. An agnostic presents a powerful analyses the compelling evidence in microbiology against evolution.

Evolution, The Fossils Still Say No! Dwain Gish, \$13.95
High School-Adult level.. A well documented analysis of the fossil record, demonstrating that evolution is not supported by the fossils; rather, it is refuted.

Faith, Reason & Earth History, Leonard Brandt, \$34.95
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Monument To Catastrophe, Stephen Austin, \$21.95

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Scriptural Age Of The Earth

Scientific Age of the Earth

Biological Similarities

Creation Evidence From South America

Creation Evidence From Mexico

**APPENDIX A - A Creation Science Glossary
By Norman E. Carlson**

This glossary was prepared by NEC as a handout for a series of meetings at the Mesa Hills Bible Church, of Colorado Springs, CO, hosting Dr. John Whitcomb, co author of The Genesis Flood. These meetings took place as I remember prior to June 1969. Added have been items such as ^{218}Po – Polonium 218, and Pleochroic Halos.

Absolute	A concept which is not modifiable by factors such as culture, individual psychology or circumstances, but which is perfect and unchangeable as an antithesis of relativism.
Adventitious	A root or a branch occurring where such a structure would not ordinarily be found, for example, poison ivy has roots above the ground that it uses for climbing. These are known as adventitious roots.
Agglomerate	A rock composed of coarse to fine fragmental material blown out of volcanoes.
Agnostic	A person who does not know, or who thinks it is impossible to know whether there is a god.
Allegorical	In the allegorical method a text is interpreted apart Interpretation from its grammatical-historical meaning. What the original writer is trying to say is ignored. What the interpreter wants to say becomes the only important the obvious problem of such a method is control. It usually involves assigning a scripture passage an assumed meaning different from its plain or figurative literal meaning. It believes that beneath the letter (or the obvious) is the real meaning of scripture. Historically this method was used to resolve the conflicts between the scriptures and such things as the Greek philosophical traditions. Unfortunately in such cases the word of god was sacrificed on the altar of the allegorist. For modern occurrences, see gap theory, double-revelation theory.
Amphibians	A class of cold-blooded invertebrates assumed to bridge the gap between land and water vertebrates. Lungs are usually present sometime during their lifetime, e.g. salamanders, frogs, and toads.
Amygdule	Mineral-filled bubble holes in lava rocks.
Anachronistic	Chronologically misplaced
Anaerobic	Living or active in the absence of free oxygen
Antediluvian	Of the time before the flood.
Anthropology	The study of the races, physical and mental characteristics, distribution, customs, social relationships, etc., of mankind that is often restricted to the study of the institutions, myths, etc., of primitive peoples.
Antibiotic	A chemical substance derivable from a mold or bacterium that kills microorganisms and cures infections.
Anticline	An arch shaped rock fold.
Antinomianism	Holding that, under the gospel dispensation, the moral law is of no use or obligation. Galatians 5:13-26
Anti-philosophy	Many of the modern forms of philosophy which have given up any attempt to find a rational unity to the whole of thought and life.
Antithesis	Direct opposition of contrast between two things, (as in joy, which is the antithesis of sorrow.)
Anthropol0gy	That which deals only with man, his relationship with himself and with other men, such as the studies of physiology, and sociology, and nothing beyond man.

Apologetics	That branch of theology having to do with the defense and communication of Christianity.
A priori	(1) from cause to effect-or-from a generalization to particular instances. (2) of such reasoning-deductive. (3) based on theory instead of experience or experiment. (4) before examination or analysis. Opposed to a posteriori.
Aquifer	A permeable, water-bearing rock layer.
Archaeopteryx	A very large extinct prehistoric bird once thought to be a missing link between birds and reptiles. The fossil remains of these creatures show, however, full wings and perfect feathers.
Archeomagnetism	A method of dating old civilizations by measuring the magnetic alignment of ferromagnetic minerals in fired clay. At approximately 1100 def. F., such minerals will polarize in the direction of the earth's magnetic pole. By assuming the path of the magnetic pole through many centuries of time, the magnetic orientation of an undated fire-pit will provide a theoretical date for the time a fire was last build in such an ancient fire-pit. Nat. Geog. May 1967
Archetype	The psychologist Jung interpreted dream symbols that have appeared throughout the history of man and called them archetypes.
Artesian wells of springs the surface	Wells of springs in which hydrostatic pressure brings water toward or to the surface
Asteroid	Believed to be fragmentized remains of a former planet.
Atheism	The belief that there is no God.
Atmosphere	The thin gaseous layer which surrounds the earth. The composition of the atmosphere is shown in the table below.

Substance	Volume percent dry air at surface	Total mass (billion tons)
Total atmosphere	*****	5,632,800.0
Water vapor	Varies	14,615.0
Dry air	100.0	5,618,185.0
Nitrogen	78.03	4,268,472.5
Oxygen	20.99	1,278,264.7
Argon	.9323	68,212.5
Carbon Dioxide	.03	2,387.4
Hydrogen	.01	142.3
Neon	.0018	75.9
Krypton	.0001	14.1
Helium	.0005	3.4
Ozone	.00006	3.3
Xenon	.000009	1.9

Australopithecus	Extinct genus of African hominid
Authenticate oneself	A term used by existentialists whereby man validates the genuineness of his existence by an act of the will or a feeling of dread.
Aves (birds)	A class of warm-blooded vertebrates having both scales and feathers, with the forelimbs modified into wings

A low, ridge-shaped deposit of sand or coarser sediment built by water currents in rivers or along shorelines.

Barchan

A crescent-shaped sand dune with the horns pointed away from the prevailing wind direction.

Basalt

The commonest type of solidified lava; a dense dark gray fine-grained igneous rock composed chiefly of calcium-rich plagioclase feldspar and pyroxene

Base level

The limiting level for downward erosion. For streams flowing to the ocean, it is sea level.

Batholith

A very large and usually irregularly shaped igneous intrusion.

Bedding

The layering or stratification of sedimentary rocks.

Behemoth

The Biblical word from which Mammoth is believed to have been derived.

Being

A term denoting the area of bare existence.

Bergschrund

The crevice between the ice and the head of the valley of a mountain glacier.

Big-bang hypothesis, The

The theory of George Gamow that assumes our present universe started from an exceedingly dense core of protons and neutrons which exploded in a big bang, about 5 billion years ago. Today widely accepted...

Biogenesis

A concept of philosophical biology that all life arose from pre-existent life.

Biogenetic law

Another term used for recapitulation.

Bioherm

A fossil organic (coral) limestone reef.

Biology

The study of living things.

Biosphere

That zone of the earth surface that supports life, penetrating the lithosphere, the hydrosphere, and the atmosphere. This zone is only 10 miles in thickness.

Biston betularia

The pepper moth

Bodes law

A hypothesis of Johann Bode (1772) based on an assumed relationship of the ratio between a planet's mean distance from the sun and the mean distance of the earth to the sun, and an arithmetic progression (4/10, 7/10, 10/10.... (3(N-1)+4)/10...) by this relationship bode hypothesized a missing planet between mars and Jupiter that lead to the discovery of the asteroid Ceres in 1802.

Bomb

An ellipsoidal blob of lava thrown from a volcano.

¹⁴C

Carbon 14 is another test performed to determine the age of plants and animal fossils. In the atmosphere is created by interaction of cosmic rays, producing a substance ¹⁴N that interacts with CO₂ forming ¹⁴C + Neutron + Ve. + O₂

Caldera

A pit-shaped volcanic opening measuring a mile or more across.

Cambrian

From 500 million to 600 million years ago; marine invertebrates

Canopy Theory	According to this theory the earth was originally surrounded by canopy of vapor, which intercepted the direct rays of the sun (bringing about conditions similar to those in a hothouse of about 72 degrees).
Carboniferous	Designating a great coal-making period of the Paleozoic era (See Geol. Time chart.).
Carnivorous	Eating only animal life.
Catastrophism	The doctrine that changes in the earth's crust have generally been suddenly changes by physical force.
Cause and effect, Law of	The effect cannot be greater than its cause, i.e., a cause must have at least all the characteristics of the effect it produces.
Chiasm	from a Greek word meaning "crosswise", like the letter X (Chi), in Greek pronounced chi, is a figure of speech of frequent occurrence in Scripture, cp., e.g., Is. 55:8,9; Matt. 12:22; John 10:14,15; Rom. 10:9,10; 3 John 11; Sometimes the chiasm extends to more than two or three double statements, as in Rom. 2:6-11, a section in which seven pairs of corresponding lines are found. cp. also Num 15:35,36. This figure is also occurs in used in secular linguistics. This is perhaps a form of SYNEDOCHÉ; or, TRANSFER. <i>Figures Of Speech</i> by E. W. Bulinger
Cirque	An amphitheater-shaped basin at the head of the glaciated valley.
Class	(biology) taxonomic group containing one or more families
Closed system	Math. A system containing it's endpoints.
Cold-Nebula hypothesis	Proposed by Gerald Kuiper, this theory suggests that the solar system evolved from a chance eddy that brought together enough atoms in one region so that their total gravity overcame the momentum of the individual movements and held them together in a single collapsing cloud. Very slowly the matter of the cloud began to fall inward on eddies where the gas was the densest. By far the largest of the eddies was the protosun. Its overwhelming gravitational influence shaped the rest of the cloud into a huge rotating disk.... The lesser eddies, rolling lazily around on one another like ball bearings, were the protoplanets.... The surface of the sun turned slowly red and hot, orange and hotter, yellow and incandescent.... soon the protoplanets were no longer rolling around on one another like ball-bearings, but flying as separately as bees around a newly opened flower.
Comet	A heavenly body of doubtful origin having a star like nucleus with a luminous mass around it, and usually, a long (luminous mass) tail. Comets have an elliptical orbit with high eccentricity.
Communication	The transmission of ideas and information.
Concretions	Mineralized nodules found in sedimentary rocks. They are composed commonly of such materials as silica, calcite, and iron oxide.
Connotation	The implication of meanings to words other than the definition of the word.
Contextual interpretation	Concerns itself with at least 4 subdivisions of context. (1) Cultural, (2) dispensational (Bible as a whole), (3) book, (4) that material immediately preceding and following.

Convergence, evolutionary	The ideas in evolution that a character develops by the coming together or converging of two forms which were originally separate.
Correlation, Rock Age	The process of determining the relative rock ages of exposed strata in two different areas by comparing similar physical features is called correlation.
Cosmic rays	A radiation that originates outside of the earth and is characterized by the exceedingly large energies concentrated in the individual radiation quanta. They do not appear to emanate from any single region in space (e.g. the sun). The intensity of cosmic rays has been found to increase with increasing geomagnetic latitude. This intensity also increases with decreasing atmospheric pressure.
Cosmogony	A theory or account of the origin or generation of the universe.
Cosmology	Theory or philosophy of the nature of the universe. This often time includes particular structures in the universe such as space, time, and causality.
Creation ex nihilo	A Latin expression that is interpreted---creation out of nothing, i.e., creation from no preexisting materials-Gen. 2. (Heb. Bara)
Cross-bedding	Individual beds or strata at an angle to the general stratification. Also called false bedding.
Dada	The name given to a modern art movement originating in Zurich in 1916. The name, chosen at random from a French dictionary, means rocking horse.
Darwinian Theory	Darwin's theory of evolution, which holds that all species of plants and animals developed from earlier forms by hereditary transmission of slight variations in successive generations, those forms surviving which are best adapted to the environment.
Deflation	The blowing away of fine, loose sediment by wind.
Delta	The accumulation of stream-borne sediment deposited at the mouth of a stream in an ocean or lake.
Dendrochronology	
Determinism	The scientific and philosophic doctrine that nothing takes place in nature without natural causes. Sometimes asserted to be a self-evident principle expressed by the Latin phrase <i>ex nihilo nihil fit</i> (from nothing, nothing comes). The doctrine that human actions are not free but results from such causes as psychological and chemical make-up that renders free will an illusion.
Dialectic	The principle of change that takes place by means of triadic movement. A thesis has its opposite, an antithesis. The two opposites are resolved in a synthesis, which in turn becomes a thesis and the process goes on.
Dike	A plate-like mass of igneous rock intruded at an angle to the pre-existing rock layers.
Diluvian	Caused by or of a flood especially "The Flood" described in Genesis

Dip	The angle of inclination of a rock layer.
Disconformity	An eroded and sometimes irregular surface between two sets of parallel sedimentary layers.
DNA	A nucleic acid consisting of large molecules shaped like a double helix; associated with the transmission of genetic information.
Double-revelation theory	Maintains that God has given to man, two revelations of truth, each of which is fully authoritative in its own realm, the revelation of God in scripture and the revelation of God in nature. A point of tension occurs when the two systems are seemingly contradictory. According to this theory, when such a conflict occurs the Theologian is the one who is obliged to rethink and reinterpret his theology to match that of science.
Driekanter	Sandblasted pebbles having a three-edged or brazil-nut shape.
Drift, Glacial	The rock fragments-soil, gravel, and silt-carried by a glacier. Drift includes the un-assorted material known as till (ground moraine) and deposits made by streams flowing down a glacier.
Drought	Absence of moisture, especially rain.
Drumlin	Small, oval hills of glacial till with a streamlined shape from the movement of ice over them.
Drosophila	The common fruit fly.
Dryopithecine	Considered a possible ancestor to both anthropoid apes and humans.
Dune	Hill of wind-deposited sand.
Earthquake	A shaking or trembling of the crust of the earth, caused by breaking and shifting of rock beneath the surface.
Eccentricity	A quantitative measure of how closely a conic section (ellipse, parabola, hyperbola) resembles a circle. A conic section whose eccentricity=0 is a circle. If the eccentricity is greater than 0, but less than 1, the conic section is an ellipse. If the eccentricity=1, the conic section is a parabola. If the eccentricity is greater than 1, the conic section is a hyperbola.
Ecology	The study of the relationship of the organism to its living and nonliving environment.
Empirical	1) relying or based solely on experiment and observation, as the empirical method. 2) relying or based on practical experience without reference to scientific principles, as an empirical remedy.
Entomology	The study of insects.
Entropy	The theoretical measure of energy, which cannot be transformed into mechanical work in a thermodynamic system. All natural processes proceed in such a manner that the total entropy of the universe tends to increase. This is sometimes given as a corollary to the second law of Thermodynamics.

Epicenter	Point on the surface of the earth directly above the focus of an earthquake.
Epistemology	That part of philosophy concerned with the theory of knowledge, its nature, limits and validity.
Epoch	The beginning of a new and important period in the history of anything. In astronomy, an epoch time is that arbitrary time (date) for which are given the relative data determining the position of a heavenly body. In geology, an epoch is a subdivision of a geological period (see geological time chart).
Equidae	Horses; asses; zebras; extinct animals
Equus	Type genus of the Equidae: only surviving genus of the family Equidae (See Hyracotherium)
Erg	The unit of work and energy in physics.
Erosion	The wearing away and transporting of materials at and near the earth's surface by weathering and solution, and the mechanical action of running water, waves, moving ice, or winds which use rock fragments as tools or abrasives.
Erratic	Large glacier-carried boulders foreign to the region where they have been deposited.
Esker	A low and frequently serpentine ridge of sand and gravel marking the course of a stream that flowed through a channel or tunnel in glacial ice.
Eugenics	Eugenics, is a branch of "science" concerned with the control of hereditary traits through selective human mating, is also defined as a social movement involving the deliberate control, by law or social pressure, of the reproduction of genes affecting human characteristics. The science of improving the human race. The word coined by Sir Francis Galton in 1883. It may be broken down into positive and negative Eugenics. Hitler practiced positive Eugenics by attempting to develop a master race. His hero Friedrich Wilhelm Nietzsche, b. Oct. 15, 1844, d. Aug. 25, 190, was the first to posit the concept of a "superman" (Übermensch) Hitler also practiced negative Eugenics by his attempt to rid the world's gene pool of "inferior" races e.g. the Gypsies and the Jews (or any race not Arian).
Exfoliation	A form of rock weathering characterized by the peeling away of conchoidal slabs from exposed rock surfaces.
Existentialism	A modern theory of man that holds that human experience is not describable in scientific or rational terms. Existentialism stresses the need to make vital choices by using mans freedom in a contingent and apparently purposeless world.
Extra-Biblical	Outside, or beside, the Bible.
Fault	A fracture in the crust of the earth along which there has been dislocation parallel to its fracture surface.
Fault block	A part of the earths crust bounded wholly or in part by faults.
Fault scarp	The cliff formed by a fault. Most fault scarps have been modified by

Fauna.	Animals of a specified region or time.
Figurative	See Literal Interpretation (2).
Final Experience	Term used by Karl Jaspers (B. 1883) to denote a crucial experience, which is great enough to give hope of meaning.
Fissure	A crack, break, or fracture in the earth's crust or in a mass of rock.
Flora	Plants of a specified region or time.
Fluvial	Having to do with a river, found in a river, or produced by a river or rivers.
Fluviatile	See Fluvial.
Fold	Any sort of bend or flexure in rock layers initially horizontal.
Footwall	The undersurface of an inclined fault fracture.
Fossil	Any recognizable organic material or structure preserved (usually by petrification) in rock.
Fountains of the deep	Water of all the oceans of the world, many include underground water also.
Fumarole	An opening from which volcanic gases issue.
Gap Theory	The thought that great periods of time passed either before Genesis 1:1, in the middle of Genesis 1:1, or some even feel, between Genesis 1:1 and 1:2.
Genetics	The study of heredity.
Geode	A rock cavity partially filled with mineral crystals.

Eras	Periods	Assumed Duration in Years	Assumed Dominant Life
Cenozoic	Pleistocene	1,000,000	Man Mammals
	Pliocene	6,000,000	
	Miocene	12,000,000	
	Oligocene	16,000,000	
	Eocene	20,000,000	
	Paleocene	5,000,000	
Mesozoic	Cretaceous	65,000,000	Reptiles
	Jurassic	35,000,000	
	Triassic	35,000,000	
Paleozoic	Permian	25,000,000	Amphibians
	Devonian	50,000,000	_____
	Silurian	40,000,000	Fishes
	Ordovician	85,000,000	_____
	Cambrian	70,000,000	Invertebrates
Proterozoic	Upper Precambrian	650,000,000	Primitive Multicellular Forms
Archeozoic	Lower Precambrian	650,000,000	Unicellular Forms

- Geological Chronometry** Term given to various methods of dating the earth and various time periods assumed by historical geology, e.g. radioactive methods, salt in the ocean (sedimentation), tidal friction, fossil deposition, etc.
- Geological clock** A presently demonstrable geologic rate-of-change used to measure into both the past and future and applying it a-priori to all time periods.
- Geological Time Scale** A theoretical attempt to provide a time-history of evolutionary development of the earth. This theory is based on (1) superposition of strata, (2) correlation, and (3) index fossils.
- Geology** The science dealing with the structure of the earth's crust and the formation and development of its various layers. (The development of its various layers is out of the realm of science, blending as it does with metaphysics.)
- Geophysics** The physics of the earth. The science that deals with weather, winds, tides, etc., and their effects on the earth.
- Genealogy** The study of family descent.
- Gilgamesh Epic, The** The translation of cuneiform clay tablets taken from the ruins of Assurbanipal's Palace in Nineveh the capital of ancient Assyria. These tablets are dated prior to 626 B.C. and hence are prior to the deportations of Judah to Babylon (606, 586 B.C.). Tablet 11 of this collection contains a remarkably similar flood account to that of Genesis Chapters 6-8.
- Glacial Drift** The moraine of a glacier.
- Glacial Theory** A belief, now generally held by Geologists, according to which the greater part of North America, one half of Europe, and large portions of other areas were at one time in the distant past covered with an enormous sheet of moving ice, similar to the glaciers found today in

Glacier	A body of ice which slowly spreads or moves over the land from its place of accumulation.
Gossan	Weathered outcrop of an ore body. Gossans are commonly rich in iron oxide.
Graben	A sunken area between two faults.
Gram	The unit of mass in the metric system. On the earth's surface there are 28.3 grams in one ounce.
Grammatical-Historical	A hermeneutical method for interpreting the Bible whose fundamental principle is to gather from the scriptures themselves the precise meaning which the writers intended to convey. Grammatically, one should master the language of the writer including the particular dialect and individual stylistic features used. Historically, one will inquire into the circumstances under which the author wrote, the manners and customs of the age of the author, and the purpose or object that the author had in view.
Greenhouse effect	The resultant atmospheric heating caused by solar radiation absorption by water vapor, with ozone playing a less significant role. Absorption of outgoing radiation from the earth is largely accomplished by water vapor with carbon dioxide and ozone playing lesser roles. The resultant temperature is thus proportional to the extant water vapor
Half-life	The time taken for ½ of a given amount of an element (radioactive) to disintegrate by transmutation into another element, e.g., the half-life of C14 is believed to be about 5760 years plus or minus 50 years.
Hanging wall	The upper surface of an inclined fault fracture.
Herbivorous	Eating only plant life.
Hermeneutics, Biblical	The art and science of interpreting the Word of God (The Bible.).
Heterogeneous	1. Consisting of elements that are not of the same kind or nature. Or 2. Originating outside the body
Homiletics	The art and science of preparing and delivering the Word of God.
Hominid	Noun, A primate of the family Hominidae. A classification evolutionists use for man and his cousins, the near-man, or Australopithecines of the prehistoric past Adjective, Characterizing the family Hominidae, which includes Homo sapiens sapiens as well as extinct species of manlike creatures
Hominidae	Modern man and extinct immediate ancestors of man.
Homocline	A rock fold in which the rock layers are all inclined in one direction
Homology	The quality of being similar or corresponding in position or value or structure or function.
Homo Habilis	Name given to the original owners of several incomplete jawbones found in Oluvai Gorge, East Africa by Dr. L.S.B. Leakey (1959)
Hook	A sand spit in which the seaward end is curved back sharply toward the land.

Horst	An elevated area between two faults, i.e., the opposite of a graben.
Humani Generis	A Roman Catholic encyclical issued in 1950 by Pope Pius XII. Gave permission to Roman Catholic teachers to believe in theistic evolution.
Humanism	(1) Any philosophy or system of thought that begins with man alone in order to try to find a unified meaning to life. (2) That part of humanistic thinking in the above wider sense that stresses the hope of an optimistic future for mankind.
Humidity	The measure of moisture in the air.
Hydrosphere	The oceans, lakes, and rivers of the earth.
Hyracotherium	Extinct horse genus; formerly called genus Eohippus (See Equus)
Impressionism	Movement in the visual arts in which the classical tendencies of 19 th century French painting culminated and from which modern art has sprung. Its aim was to reproduce, by means of a careful analysis of color, the effect of light upon objects in nature.
Inclined orbit	The measure of by how much the orbital plane of a satellite (or planet) varies from the equatorial plane of the mother planet (or sun).
Index fossils	The classification of certain fossil types into age/layer categories, the assumption being that regardless of strata, any fossil with an assumed index age automatically dates those strata in which it is found. This assumption ignores the sorting action of water.
Invertebrate	Term applied to an animal having no backbone.
Isolated system	A system that does not interact with its surroundings.
Isoseismic Line	Line connecting points of equally felt intensity for a particular earthquake.
Isotope	Atoms having same number of electrons and otherwise similar, but which differ only in the masses of their nuclei, are isotopes of one another, e.g., carbon is composed of atoms whose individual nuclei may have 12, 13, or 14 units of mass. These are referred to as C12, C13, and C14 respectively.
Isotope	One of two or more atoms with the same atomic number but with different numbers of neutrons. i.e., same Valence, differing Atomic Weight.
Isotopic	Of or relating to or having the relation of an isotope.
Java Man	1. A type of primitive man who lived in Java in the Paleolithic Age. 2. Fossil remains found in Java; formerly called Pithecanthropus erectus. Also called Trinil man
Joints	Fractures cutting rocks in a more or less regular pattern. Unlike fault, joints show little or no dislocation parallel to the fractures.
Kane	A hill or mound of stratified sand and gravel built by melt water at or near the edge of a glacier
Kenyapithecus	Extinct primate having powerful chewing muscles along with large molars and small incisors; fossils found in Kenya

Kettles	Pit like depressions left in glacial deposits by the melting of buried masses of ice.
Kon-Tiki	A light raft made of balsa
Laccolith	A mushroom-shaped mass of igneous rock intruded into layers of sedimentary rock. Laccoliths may be a mile or so across.
Law of context	See contextual interpretation.
Leach	Noun, The process of leaching. Verb, 1. Cause (a liquid) to leach or percolate, or 2. Permeate; penetrate gradually; of liquids, or 3. Remove substances from by a percolating liquid.
Linguistic analysis	Branch of philosophy which desires to preserve philosophy from confusion of concepts by showing the use of these concepts in their natural language context. It sees the task of philosophy as clarifying what lies on the surface rather than offering explanations.
Literal interpretation	<p>The literal interpretation as applied to any document is that view which adopts as the sense of a sentence, the meaning of that sentence in usual, or ordinary, or normal conversation or writing.</p> <p>Literal interpretation is then broken down into two categories.</p> <p>(1) A plain (or denotative) literal sentence is a straightforward prose sentence (with no figures of speech), e.g., Thou shalt not steal. (Ex. 20:15)</p> <p>(2) A figurative (or connotative) literal sentence is one containing figure(s) of speech in which case such as expression has that proper or natural meaning as understood by students of language. Whenever a figure is used, its literal meaning is precisely that meaning determined by grammatical studies of figures, e.g., and when James, Cephas, and John, who seemed to be pillars, perceived the grace that---, Gal. 2:9. This sentence does not mean that those men were Doric or Corinthian columns, but that they were the leaders in the Jerusalem church.</p>
Lithosphere	The great rock core and land surfaces of the earth.
Living system	A system, which utilizes a portion of the energy flowing through it (because it is an open, rather than a closed system) to continuously decrease the entropy (increasing the order) of that system.
Loess	Deposit of fine wind-blown dust.
Logic	The science of correct reasoning, the predictable and inevitable consequence of rational analysis. In classical logic it could be asserted that proposition –A- cannot equal proposition-not A.
Logical positivism	Name given to an analytic trend in modern philosophy which holds that all metaphysical theories are strictly meaningless because, in the nature of the case, unverifiable by reference to empirical facts.
Macroevolution	Large change(s) in organisms thought by evolutionists as providing proof of the evolutionary hypothesis
Magma	The high-temperature, liquid silicate solution from which igneous rocks form by crystallization.

Magnetometer	A sensitive device used to measure magnetic field strengths of sample materials.
Mammals	A class of warm-blooded vertebrates, with a hairy outer covering, and possessing milk-secreting glands.
Mammoth	A huge extinct elephant with long tusks.
Mannishness of man	Those aspects of man, such as significance, love, rationality and the fear of non-being, which mark him off from animals and machines and give evidence of his being created in the image of a personal God.
Mass	An intrinsic property of matter measurable in terms of its relation to inertia, mass may be determined by dividing the weight of an object by the acceleration due to gravity (at that point), e.g., the mass of an object weighing 32 lbs (at sea level), is one slug, (slug is a unit of mass, while a pound is a unit of weight).
Mass spectrometer	A very sensitive device for sorting atoms by their atomic weights. Natl. Geog. Oct. 1961.
Mesa	A flat-topped hill or mountain left isolated during the general erosion or cutting down of a region.
Mesozoic	An evolutionary assumed period of time from 63 million to 230 million years ago.
Metamorphism	The process of alteration by rearrangement and recrystallization under the influence of increased heat and pressure, changing a sedimentary or igneous rock to a metamorphic rock
Metaphysics	Philosophy—the systematic study of the first principles of being or knowledge.
Methodology	Study of the procedures and principles whereby the question of truth and knowledge is approached.
Micro mutation	The theory once generally held by paleontologists that genetic changes took place very slowly, almost imperceptibly, from generation to generation. See Darwinism.
Mineral	An inorganic substance of definite chemical composition found ready-made in nature, such as calcite or quartz.
Miracle	Event that occurs from definite acts of God whereby He superimposes higher laws on those already extant and known to accomplish His purposes. These are higher laws only in the sense that man has not been permitted to discover them yet.
Momentum, angular	The angular momentum of a particle (P) with respect to a point (O) (around which the particle is moving) may be defined to be the product of the linear momentum of the particle (mass of (P) times the velocity of (P)), times the distance from point (O) to point (P).
Momentum, linear	Is defined to be the product of the mass of a particle times the velocity of the particle, since velocity is a vector quantity and mass here a scalar (magnitude but no direction), the resultant product is also a vector.

Monocline	A step like fold in otherwise flat-lying sedimentary layers.
Monolithic	Constitution one undifferentiated whole, in terms of modern culture, giving a unified message.
Monolithic	Constituting one undifferentiated whole, in terms of modern culture, giving a unified message.
Moraines	Ridges or other topographic forms built up of rock debris deposited by glaciers. Terminal moraine ridges are built at the end or edge of glaciers. A cover of ground moraine is left as a glacier melts away; lateral and medial moraines are left from material carried on the sides of valley glaciers.
Morphology	A subdivision of biology that deals with the multitudinous and various forms of animals and plants.
Multifarious	Having many aspects
Mutation	1. An organism that has characteristics resulting from chromosomal alteration, or 2. The process or event of mutating
Mysticism	(1) A tendency to seek direct communion with ultimate reality of the divine by immediate intuition, insight or illumination, (2) a vague speculation without foundation.
Nappe	The overriding mass along a large gently inclined thrust fault.
Natural selection	The evolutionary process that assumes that those individuals (or a species) with characteristics that help them to become adapted to their specific environment tend to survive (survival of the fittest) and transmit their characteristics thus gained. Those less able to adapt tend to die out.
Nebraska Man	Was mistakenly based and pictorially constructed from the tooth of an extinct pig. And yet in 1922, the Illustrated London News published a picture showing our supposed ancestor; naked, and carrying a club.
Nebular Hypothesis	Hypothesis of I. Kant (1755) and P.S. Laplace (1796) which pictured a very not, rotating disk of gas from which planets were formed when gaseous rings were detached by centrifugal force from the main body of the sun, during the early stages of its contraction. Abandoned at the end of the 19 th century because – (1) it was shown such gaseous rings could never condense into planets, and (2) the planets thus formed could not retain approx. 98 percent of the angular momentum of the solar system, (with respect to the center of the solar system).
Negative eugenics	The attempt to improve the human race by liquidation or sterilization of individuals having mental or physical defects. Hitler is an example of a man who advocated this method for improving the Nordic ethnic group. He had hundreds of thousands of defectives sterilized, using this theory with the Darwinian social theory of the survival of the fittest. He justified the brutal murder of over a million Jews by the logical extension of his faulty premise. His idea was that the Jews had bad genes since he, Hitler, had the power to put them to death.
Neo-Darwinism	A modern Darwinian theory that explains new species in terms of genetic mutations

Neo-orthodoxy	Name given to the theology of men who have particularly applied the dialectical methodology of Hegel and Kierkegaard's leap, to the Christian faith.
Nihilism	A denial of all objective grounds for truth. A belief that existence is basically senseless and useless, leading often to destructive tendencies in society or in the individual.
Normal fault	A fault along which the hanging wall has moved down with respect to the footwall.
Omnivorous	Eating both plants and animals.
Oort cloud	An immense spherical cloud surrounding the planetary system and extending approximately 3 light years, about 30 trillion kilometers from the Sun. This vast distance is considered the edge of the Sun's orb of physical, gravitational, or dynamical influence.
Open system	Math. A system not containing its endpoints
Orogeny	The formation of mountain, especially through a disturbance in the earth's crusts.
Orology	The study of mountains.
Orthodoxy	1. The quality of being orthodox (especially in religion), or 2. A belief or orientation agreeing with conventional standards.
Orthogenesis	The idea that evolution has been guided not by natural selection, but by some internal force. In this way it may move away from the point of maximum usefulness toward useless developments.
Oscillating Universe	A concept that claims the observed expansion of our present universe was preceded by billions of years of cosmic contraction, i.e., the universe has been oscillating between expansion and contraction through all eternity.
Ossiferous fissures	Fissures or rents in the earth that were formed by some violent contortion of the surface of the earth. They were filled with debris that drifted into them as soon as they opened.
Outcrop	That part of a rock formation that appears at the surface, or – the appearance of a rock at the surface at the projection above the soil. Often called an exposure.
Outwash	Deposits of sand and gravel washed out from the ends of glaciers by the melt water.
Overthrust fault	A low-angle thrust fault.
Paleobotany	A subdivision of paleontology dealing with the animal life of the geologic past.
Paleontology	That branch of the biological sciences which deals with the life of past geological periods.
Pantheism	Doctrine that God and nature are identical. The universe is an extension of God's essence rather than a special creation.
Peking Man	1. A primitive man found near Beijing; resembles Java man. 2. Fossils found near Peking China; lost during World War II; formerly called <i>Sinanthropus pekinensis</i>

Piltown Man	A supposedly primitive man later proven to be a hoax
Penepain	The nearly plane surface developed as a result of long-continued erosion.
Phenocrysts	The larger mineral grains in an igneous rock composed of grains of two distinct sizes.
Phyla	1. (linguistics) a large group of languages that are historically related. 2. (biology) the major taxonomic group of animals and plants; contains classes. Syn. Social Group, Taxa, Taxonomic Group
Phylogeny	The sequence of events involved in the evolutionary development of a species or taxonomic group of organisms
Pices (fish)	A class of cold-blooded vertebrates living mostly or wholly in water, respiring or obtaining oxygen for life processes by means of gills.
Piracy, stream	The natural diversion of the headwaters of one stream into another. This is usually the result of more rapid down cutting by the pirate stream.
Placer Deposit	A mass of gravel, sand, or similar material resulting from the crumbling and erosion of solid rocks and containing particles or nuggets of gold, platinum, tin, or other valuable minerals, which have been derived from rocks or veins.
Pleochroic Halos	Have been investigated in Granite Deposits on many continents have been examined by Dr. Robert Gentry. The element Polonium 218, ²¹⁸ Po – was found to create alpha particle in these granites which produced these halos observable under microscopic examination. The problem with Polonium 218, ²¹⁸ Po, was that this element has a half life of about 3 minutes. In other words the hardening of the earth must have taken a very short time. Because liquid magma containing these granites takes millions of years to cool. and during this cooling halos cannot form. This should give evidence (prove?) to you, my friend, that the earth was put together by the Word of God in an instant in order to have viewable halos.
Plug	A plug-shaped mass of igneous rock. These are sometimes intruded into pre-existing rock and sometimes rising in the crater of a volcano.
Pongid	Any of the large anthropoid apes of the family Pongidae (Great Ape)
Porphyritic	An igneous texture which is found in rock consisting of grains of two distinct sizes.
Positive eugenics	The attempt to improve the human race by encouraging the early marriage and production of large families to those individuals thought to have “good” genes.
Pragmatism	A system of thought which makes the practical consequences of a belief the sole test of truth.
Prehistory	Word describing the period prior to written history.
Presupposition	A belief or theory, which is assumed before the next step in logic, is developed, such a prior postulate often consciously or unconsciously affects the way a person subsequently reasons.
Primate	Any member of the most highly developed order of animals, composed

Propositional truth	Truth which can be communicated in the form of a statement in which a predicate or object is affirmed or denied regarding a subject.
Protostars	Objects formed as condensations from interstellar gas.
Pyroclastics	The fragmental material – blocks, bombs, cinders, and ash – thrown out of volcanoes.
Radioactive dating	Methods devised for dating strata based on the half-life of the element examined.
Rational	Whatever is related to or based upon man's power to reason consistently.
Rationalism	See humanism – (1)
Recapitulation	The theory of Ernst Haeckel (1834-1920) postulated animals recapitulate, or repeat, in their own development, the stages that their ancestors went through in their evolution. This theory took the evolutionary hypothesis for granted and attempted to illustrate it. The theory, which is no longer held by many biologists, still lingers on in the mass of outdated high school textbooks.
Recessive	A character which makes its appearance only when there are two genes for it present. When there is one dominant and one recessive gene present, the dominant character appears.
Rejuvenated region	Any region which has been subjected to erosion for a greater or less length of time and then re-elevated so that the streams are renewed in activity.
Rejuvenation, stream	An increase in the erosive power of a stream due to such causes as increased rainfall or increased slope.
Reptiles	A class of cold-blooded horny-scaled vertebrates with lungs, e.g., snakes, lizards, etc.
Retrograde rotation	When the rotation of a heavenly body about its own axis is opposite to that of that heavenly bodies orbital path about its orbital center, e.g., the planets Uranus and Venus have retrograde rotation.
Retrograde satellites	Name given to 11 out of 31 moons in our solar system that orbit in a direction opposite to the rotational direction of their mother planet.
Revelation, natural (general)	That which is given to all men, in nature and history, and in the nature of man himself. It shows man the omnipotence of God but tell nothing of God's mercy and redemptive program.
Revelation, special	The God-breathed scriptures that reiterate the truths proclaimed in nature, in history, and in man himself, with the declaration of salvation that God has provided for mankind in Jesus Christ, is called special-revelation.
Roches limit	A physical law dealing with the tide raising forces of two astral bodies approaching each other, if the two bodies are similar in density, the smaller will fragmentize at a distance ratio of 2.44 times the radius of the larger body. It is possible that the rings of Saturn may have been caused

	by the fragmentation of a satellite or a wanderer within the solar system.
Roches moutonees	Sheepback-shaped masses of rock formed by glacial erosion of rock ledges, rounded on the side from which the ice came.
Romantic	A view of life that has no base in fact, being the product of an exaggerated optimism.
Rubble drift	A certain type of deposit or sediment consisting of massive, angular unrolled material tumultuously deposited in local pockets and catchments areas, generally full of shattered bones.
Science	Word taken from the Latin scientia, meaning knowledge. Science involves facts that are observed and laws that have been demonstrated. Scientific methods, therefore, demand reproducibility.
Scientism	The principle that scientific methods can be applied in all fields of investigation. True science is based on facts and the reproducibility of experimental results. Scientism used here is a disparaging term used to describe the speculation, inference, or extrapolation of present conditions to preexisting conditions without the benefit of being able to verify the results of such speculation, inference, of extrapolation
Seismograph	An instrument to record earthquake vibrations. The record itself is a seismogram.
Semantics	(1) Science of the study of the development of the meaning and uses of words and language. (2) The exploitation of the connotations and ambiguities on words.
Sial	The general term for the rocks predominant at the surface of the earth, rich in silicon (Si) and aluminum (Al).
Sill	A sheet-like mass of igneous rock intruded between layers of sedimentary rock.
Sima	The general term for the rock material thought to be predominant at a depth of 10 to 20 miles below the surface of the earth, supposedly rich in silicon and magnesium.
Silurian	An evolutionary assumed age from 405 million to 425 million years ago; first air-breathing animals.
Sinks	Pit-like or funnel-like depressions formed by solution, or solution and collapse, in areas of soluble rock such as limestone.
Sorting action of water	An important factor in the deluge theory. A term given to the reproducible mechanism whereby water will sort heterogeneous mixtures, depositing like particles together in layers. This explains in a scientific reproducible manner how like fossils were deposited in separate layers (see Index: Fossils).
Speciation	The formation of species by evolutionary processes.
Spit	A bar of sand or coarse sediment connected at one end to land.
Stalactite	Icicle-like calcium carbonate deposited by water dripping from the roof of a cave.
Stalagmite	Mound-like calcium carbonate formed on the floor of a cave by water

Stasis	ETYMOLOGY: From Greek <i>stasis</i> , standstill. Suffix - 1. Slowing; stoppage: <i>bacteriostasis</i> , 2. Stable state: <i>homeostasis</i>
Stratified	Laid down (or spread out) by action of water or wind or ice.
Stratum	A layer or bed of sedimentary rock.
Strike	The direction of the intersection of a dipping plane with the horizontal.
Subphyla	(biology) a taxonomic group ranking between a phylum and a class
Substantial	A term used to denote the extent of healing in the relationships of man with God, with his fellow man and within himself that should be seen in the life of a Christian—not perfect and yet visible in reality.
Superposition of strata	Unless a region has been affected by excessive earth movements, the strata in that region will be in vertical chronological order with the oldest bed at the base and the youngest at the top.
Surrealism	An art form that produces fantastic or incongruous imagery by means of unnatural juxta-positions and combinations, related to data plus the subconscious.
Syncline	A trough-shaped rock fold.
Syncretism	1. Reconciliation or fusion of differing systems of belief, as in philosophy or religion, especially when success is partial or the result is heterogeneous. Or 2. Linguistics: the merging of two or more originally different inflectional forms.
Synthesis	The combination of the partial truths of a thesis and its antithesis into a higher stage of truth. See Dialectic.
Talus	The mass of loose rock fragments that accumulate at the base of a cliff or steep slope.
Taxa	Animal or plant group having natural relations
Taxonomic group	Animal or plant group having natural relations
Taxonomy	1. A classification of organisms into groups based on similarities of structure or origin etc. 2. (biology) study of the general principles of scientific classification. 3. Practice of classifying plants and animals according to their presumed natural relationships.
Tertiary	An assumed time period held by Evolutionists from 2 million to 63 million years ago
Theistic evolution	The belief that the Genesis narrative of creation is a Hebrew poetic form sufficiently figurative that those holding such a view believe that Adam's body was simply that of some animal that had providentially been evolved into a biped through millions of years of gradual changes until God put within it an eternal soul several hundred thousand years ago (or longer).
Theodicy	A vindication of Divine Justice in allowing evil to exist.

	<p>Law 1. The change in energy of a system is equal to the difference between the heat absorbed and the work done by the system. This law teaches that the total energy of our physical system is constant.</p> <p>Law 2. Heat will not flow (by itself) from one body to another body at a higher temperature than the first. I.e., order tends to degenerate into chaos. This law teaches that energy is qualitatively deteriorating.</p>
Thermonuclear	Using atomic weapons based on fusion as distinguished from fission.
Thrust fault	A fault along which the hanging wall has moved up with respect to the footwall. According to this theory, thousands of square miles, including parts of mountain ranges, were bodily lifted up and pushed over the top of younger rocks, thus bringing a reverse order based on the geologic time-scale.
Tombolo	A sand bar connecting one island to another or to the mainland.
Turbidity	Muddiness created by stirring up sediment or having foreign particles suspended
Ultraviolet	1. Noun, Radiation lying in the ultraviolet range; wave lengths shorter than light but longer than X rays, or 2. Adj. Having or employing wavelengths shorter than light but longer than X-rays; lying outside the visible spectrum at its violet end.
Unconformity	The irregular erosion surface separating two groups of sedimentary layers where the sequence of events has been deposition, erosion, and the deposition again. If the layers below and above are parallel, it is called a disconformity. If not parallel, an angular unconformity.
Unicellular	Single celled
Uniformitarianism	The doctrine that all geological phenomena may be explained as resulting from presently observable processes that have always, and will always operate in the same way. 2 Pet. 3:4
Upper story	Term used to denote that which, in modern thinking deals with significance or meaning, but which is not open to contact with verification by the world of facts which constitute the lower story.
Usus Loquendi	To use in speaking
Vadose water	Subsurface water above the water table.
Validity	Something which has been authenticated by reference to self-grounded and sufficient evidence.
Varve	An annual layer of sediment. There are usually two parts to each layer – a silty part from the summer deposition and a clay part from the winter.
Vector	A quantity, such as a force or velocity, having a direction and magnitude. A directed line segment. A line representing such a quantity, drawn from its initial point to its final position.
Vein	A mass of mineral material that has been deposited in ore along a fissure in the rocks. A vein differs from a dike in that the vein material was introduced gradually by deposition from solution, whereas a dike was intruded in a molten condition. Quartz and calcite are very common vein materials.

Verification	The procedure required for the establishment of the truth or falsity of a statement.
Vertebrate	Term applied to an animal having a backbone.
Vesicles	Bubble holes in lava, frequently almond-shaped as a result of the movement of the lava.
Water Table	The surface below which rock is saturated with subsurface water.
Weathering	The group of processes, such as the chemical action of air and rainwater, and of plants and bacteria, and the mechanical action of changes of temperatures, whereby rocks on exposure to the weather, change in character, decay, and finally crumble into soil.
Zinjanthropus	Name given to the original owners of skull fragments found in Oluvia Gorge, East Africa by Dr. L.S.B. Leakey (1959), Nat'l Geog., Nov. 1966

APPENDIX B - RADIOACTIVE AGE ESTIMATION METHODS
- Do they prove the earth is billions of years old?

By Dr. Robert Gentry

RADIOACTIVE AGE ESTIMATION METHODS - Do they prove the earth is billions of years old?

By Dr. Robert Gentry

How old is planet Earth? There are enormous differences of opinion. The most common view is that Earth is approximately 4.5 billion years old.¹ Others say it is older or younger. The lowest age defended on a scientific basis is in the 6 to 10 thousand year range. Evolutionism, of course, *requires* billions of years to support the plausibility of life's emergence and of subsequent Evolution from "amoeba" to man. Theoretically, Creationism remains workable within a wide range of age estimates.

Scientists have proposed numerous age estimation methods. Most systems promoted by Evolutionists involve radioactivity. Various radioactive elements are involved, including Carbon-14, Uranium-238, Thorium-232, and Potassium-40. By the way, it is important to understand that most rock strata "dates" were actually assigned long before the first use of radioactive age estimating methods in 1911.²

The Carbon-14 age estimating method is, at best, only useful for estimating the age of things that are thousands of years old, not millions or billions. And it does not work on rocks or thoroughly mineralized fossils; it is only useful for relatively well-preserved organic materials such as cloth, wood, and other non-fossilized materials. Other methods must be used to estimate the age of rocks and minerals. Two of the most widely-known systems are the potassium-argon method and the uranium-lead method.

A radioactive form of potassium is found in minute quantities in some rocks. It disintegrates at a measured rate into calcium and argon. Similarly, the radioactive element uranium decomposes into lead and some other elements.

How are these processes used to estimate the age of rocks? The principle is similar to that used with Carbon-14. The speed of the disintegration process is measured. A portion of the material is ground up and a measurement is made of the ratio of radioactive "parent" atoms to the decomposition products.

Age estimates which are obviously wrong or contradictory are sometimes produced.³ For example, new rock in the form of hardened lava flows produced estimated ages as great as 3 billion to 10.5 billion years, when they were actually less than 200 years old.⁴

A popular and supposedly foolproof method was used on two lava flows in the Grand Canyon that should be ideal for radioactive age estimation. The results were similarly bad. Young basalt rock at the Canyon's top produced an age estimate 270 million years *older* than ancient basalt rock at the Canyon's bottom. The problem seems to arise from basic wrong assumptions in the method (rubidium-strontium isochron). If such a sophisticated method is so flawed, geologist Dr. Steven Austin rightly wonders, "Has anyone successfully dated a Grand Canyon rock?"⁵

Assumptions and More Assumptions

Arriving at a "date" depends upon a chain of assumptions,⁶ each link in the chain being an assumption. The validity of the calculated date can be no stronger than the weakest link (weakest assumption) used in the calculation. What are some of the assumptions made by most Evolutionists in using these systems?

- **ASSUMPTION:** Evolutionists generally assume the material being measured had no original "daughter" element(s) in it, or they assume the amount can be accurately estimated. For example, they may assume that all of the lead in a rock was produced by the decay of its uranium.

PROBLEM: One can almost never know with absolute certainty how much radioactive or daughter substance was present at the start.

- **ASSUMPTION:** Evolutionists have also tended to assume that the material being measured has been in a closed system. It has often been wrongly assumed that no outside factors altered the normal ratios in the material, adding or subtracting any of the elements involved.

PROBLEM: The age estimate can be thrown off considerably, if the radioactive element or the daughter element is leached in or leached out of the sample. There are evidences that this could be a significant problem.⁷ Simple things such as groundwater movement can carry radioactive material or the daughter element into or out of rock. Rocks must be carefully tested to determine what outside factors might have changed their content.

- **ASSUMPTION:** They assume that the rate of decomposition has always remained constant - *absolutely* constant.⁸

PROBLEM: How can one be certain that decay rates have been constant over *billions* of years? Scientific measurements of decay rates have only been conducted since the time of the Curies in the early 1900s. Yet Evolutionists are boldly making huge extrapolations back over 4.5 billion years and more. There is some evidence that the rate of radioactive decay can change.⁹ If the decay rates have ever been higher in the past, then relatively young rocks would wrongly "date" as being old rocks.

Evolutionist William Stansfield, Ph.D., California Polytech State, has stated:

"It is obvious that radiometric techniques may not be the absolute dating methods that they are claimed to be. Age estimates on a given geological stratum by different radiometric methods are often quite different (sometimes by hundreds of millions of years). There is no absolutely reliable long-term radiological 'clock'."¹⁰

Evolutionist Frederick B. Jueneman candidly summarizes the situation:

"The age of our globe is presently thought to be some 4.5 billion years, based on radio-decay rates of uranium and thorium. Such 'confirmation' may be shortlived, as nature is not to be discovered quite so easily. There has been in recent years the horrible realization that radio-decay rates are not as constant as previously thought, nor are they immune to environmental influences. And this could mean that the atomic clocks are reset during some global disaster, and events which brought the Mesozoic to a close may not be 65 million years ago, but rather, within the age and memory of man."¹¹

REFERENCES AND ENDNOTES

- **EVOLUTIONARY AGE OF THE EARTH.** The current age estimate accepted by most Evolutionists for the Earth and our solar system is 4.54 billion years, plus or minus 0.02 billions years. What is this based on? This estimate was deduced from the ratios of different lead isotopes found in meteorites, Moon rocks, and Earth rocks. By other means, the oldest age estimate, to date, for an Earth rock is 3.96 billion years (Slave Province, Canada). The oldest age estimate for a meteorite is 4.6 billion years.

"The best value for the age of the earth is based on the time required for the isotopic composition of lead in the oldest (2.6-3.5 b.y.) terrestrial ores, of which there are currently only four [²³⁵U to ²⁰⁷Pb to ²³⁸U to ²⁰⁶Pb], to evolve from the primordial composition, recorded in meteoritic troilite, to the composition at the time (measured independently) the ores separated from their parent rocks in earth's mantle. These calculations result in ages for the earth of 4.42 to 4.56 b.y. with a best value of 4.54 b.y."

[List of methods used to arrive at old-age estimates]

EVOLUTIONARY AGE OF THE UNIVERSE:

"The age of the universe has been estimated by astronomers from the velocity and distance of other galaxies as they recede from earth's perspective in the expanding universe. These estimates range from 7 to 20 b.y., depending on whether the expansion is considered to be constant or slowing due to gravitational attractions of galaxies to each other."

[G. Brent Dalrymple, "So How Old Is the Earth, Anyway?," *NCSE Reports*, Volume 11, No. 4 (Winter 1991), pp. 17., also see: G. Brent Dalrymple, *The Age of the Earth* (Stanford: Stanford University Press, 1991).]

- These pre-1911 "dates" were based on Evolutionary, uniformitarian presuppositions. Evolutionists have since attempted to lend increased credibility to these assumptions by use of radiometric dating (which, of course, is also based on uniformitarian presuppositions - as shall be shown).

INACCURATE AGE ESTIMATES USING RADIOACTIVE SYSTEMS

- The uranium-lead dating method has produced so many anomalous readings that it has fallen into disrepute, even among Evolutionists.
- *"It should be noted that dates (absolute dates) obtained by different methods [radioactive dating methods] commonly show some discrepancies... As the Committee on the Measurement of Geological Time said in 1950, 'These figures (i.e. dates) are, as railway timetables say, subject to change without notice.'" (p. 378)*
[D.G.A. Whitten and J.R.V. Brooks, *The Penguin Dictionary of Geology* (Middlesex, England: Penguin Books, 1972), 520 pp. (emphasis added).]
- Robert H. Brown, "Graveyard Clocks: Do They Really Tell Time?," *Signs of the Times* (June 1982), pp. 8-9.
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{According to

[Steven A. Austin, "Excessively Old 'Ages' for Grand Canyon Lava Flows," *Impact*, No. 224 (Santee, California: Institute for Creation Research, February 1992), 4 pp.; "Grand Canyon Lava Flows: A Survey of Isotope Dating Methods," *Impact*, No. 178 (Santee, California: Institute for Creation Research, April 1988), 4 pp.]

Assumptions and Problems of Radioactive Methods

- Radiochronologists must make certain basic assumptions about the rocks they "date", assumptions about their total past environment, formation, and radioactive decay rates. However, Creationist Dr. Duane Gish claims:
"Radiochronologists must resort to indirect methods which involve certain basic assumptions. Not only is there no way to verify the validity of these assumptions, but inherent in these assumptions are factors that assure that the ages so derived, whether accurate or not, will always range in the millions to billions of years (excluding the carbon-14 method, which is useful for dating samples only a few thousand years old)."
[Duane T. Gish, *Evolution: The Fossils Say No!*, 3rd edition (Santee, California: Master Books, 1979), p. 63 (emphasis added).]
- Also, see: John D. Morris, *The Young Earth* (Colorado Springs, Colorado: Master Books, 1994), pp. 52-62.
- Physicist Donald DeYoung, Ph.D.:
"The different methods of radiometric dating, when checked against each other, often are in approximate agreement. If the results are misinterpreted as to age, as proposed here, then a common unknown factor (a measurement or an assumption which is defective) may be perturbing all the age values to a longer apparent age than actual. Another explanation in some isolated cases of dating conclusions may be a 'tracking phenomenon.' By this is meant, a tendency of reported scientific measurements to cluster about an incorrect value. Researchers are often reluctant to report findings too far different from previous

results in their published findings. This clustering effect shows up in reports of nuclear half-life determinations, and it may also rule the 4.5 billion year assumed history of the earth and moon."

[John C. Whitcomb and Donald B. DeYoung, *The Moon: Its Creation, Form and Significance* (Winona Lake, Indiana: BMH Books, 1978), p. 102 (emphasis added).]

Leaching and contamination

- U.S. Geological Survey:
"...As much as 90 percent of the total radioactive elements of some granites could be removed by leaching the granulated rock with weak acid...as much as 40 percent of the uranium in most fresh-appearing igneous rocks is readily leachable."
 [M.R. Klepper and D.G. Wyant, *Notes on the Geology of Uranium*, U.S. Geological Survey Bulletin No. 1046-F (1957), p. 93 (emphasis added).]
- John C. Whitcomb, Jr. and Henry M. Morris, *The Genesis Flood* (Philadelphia: Presbyterian and Reformed Publishing Company, 1961), pp. 335-340.

Decay Rate Changes

- This most basic assumption is evidenced in the statement of Evolutionists Dott and Batten:
"Neither heating nor cooling, changes in pressure, nor changes in chemical state can affect in any detectable way the average rate of spontaneous decay. Because the rate cannot be artificially changed in the laboratory, it is assumed that it always has been uniform for a given isotope."
 [R.H. Dott and R.L. Batten, *Evolution of the Earth* (New York: McGraw Hill, 1971), p. 99 (emphasis added).]
- Geologist Andrew Snelling:
"It is special pleading on the part of geochronologists and physicists to say that the radioactive decay rates have been carefully measured in laboratories for the past 80 or 90 years and that no significant variation of these rates has been measured. The 'bottom line' is really that 80 or 90 years of measurements are being extrapolated backwards in time to the origin of the earth, believed by evolutionists to be 4.5 billion years ago. That is an enormous extrapolation. In any other field of scientific research, if scientists or mathematicians were to extrapolate results over that many orders of magnitude, thereby assuming continuity of results over such enormous spans of unobserved time, they would be literally 'laughed out of court' by fellow scientists and mathematicians. Yet geochronologists are allowed to do this with impunity, primarily because it gives the desired millions and billions of years that evolutionists require, and because it makes these radioactive 'clocks' work!"
 [Andrew A. Snelling, "Radioactive Dating Method 'Under Fire'!", *Creation: Ex Nihilo*, Vol. 14, No. 2 (Answers in Genesis, March-May 1992), p. 44 (emphasis added).]

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Researchers have also pointed out various reasons why small changes in decay rates in modern laboratory work would tend to be overlooked.

- Theodore W. Rybka, "Consequences of Time Dependent Nuclear Decay Indices on Half Lives," *Acts & Facts*, ICR Impact Series, No. 106, (El Cajon, California: Institute for Creation Research, April 1982).
- *Geochimica et Cosmochimica Acta*, Vol. 35 (1971), pp. 261-288, and Vol. 36 (1972), p. 1167. (Includes data indicating that different radioactive dating methods used on volcanic rock on Reunion Island in the Indian Ocean gave results varying from 100 thousand to 4.4 billion years. Results from different methods were contradictory.)
- **Donald B. DeYoung**, "A Variable Constant," *Creation Research Society Quarterly*, Vol. 16, No. 2 (September 1979), p. 142, and "The Precision of Nuclear Decay Rates", *Creation Research Society Quarterly*, Vol. 12, No. 2 (March 1976), pp. 38-41. (The latter lists half-life decay variation in 20 radioactive isotopes, including Carbon-14, and variations up to 5%).
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- Harold L. Armstrong, "Decay Constant: Really Constant?", *Creation Research Society Quarterly*, Vol. 11, No. 1 (June 1974).
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- G.T. Emery, "Perturbation of Nuclear Decay Rates," *Annual Review of Nuclear Science*, Vol. 22 (1972), pp. 165-202 (Shows that many radioactive elements, including Carbon-14 and Uranium-235, have had their decay rates altered in the laboratory.)
- J.L. Anderson, *Abstracts of Papers for the 161st National Meeting, Los Angeles* (American Chemical Society, 1971).
- SOME FEEL THIS PRECLUDES THE POSSIBILITY OF ACCURATE RADIOMETRIC DATING: See: A.F. Kovarik, "Calculating the Age of Minerals from Radioactivity Data and Principles," *Bulletin #80 of the National Research Council* (June 1931), p. 107.
- A unique study in regard to evidence of changing radioactive decay rates is being made by **Robert Gentry** (formerly associated with Oak Ridge National Laboratories, Atomic Energy Commission). Dr. Gentry believes the measurements of ancient radiohalos provide possible evidence of past rate variation. These halos are permanently etched into certain crystallized minerals and were caused by the energy released by the disintegration of the radioactive atom at their center. Dr. Gentry measured and compared the radiohalos in various rocks and discovered what appear to be significant variations in the measured ring diameters. This may indicate that radioactive decay rates have

changed. *However, measurement uncertainty in the tiny radiohalo diameters may preclude any definitive statement on this matter.*

See also:

John D. Morris, *The Young Earth* (Colorado Springs, Colorado: Master Books, 1994), pp. 62-64

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