

What Is Creation Science?

Chief Justice Rienquist & Justice Scalla, "We have no basis on the record to conclude that creation-science need be anything other than a collection of scientific data supporting the theory that life abruptly appeared on the earth." *Edwards vs. Aguillard, Dissent*

Design Empirically Discerned: Examples: Compare pebble with arrowhead; Peacock Fly, artistic, accurate wing markings; "John Loves Mary;" Oracle soup, "Watch out for large wooden horses?"

Information Indicates Design: Immense Amount Carl Sagan, Cornell, "The information content of a simple cell has been estimated at around 10^{12} bits, comparable to about a hundred million pages of the Encyclopedia Britannica." Encyclopedia Britannica, *Life* v. 10, 894.

Machinery Indicates Design: Paley's Watch In Bacteria "An endogenous circadian system in cyanobacteria... undergoes daily cycles... biochemical machinery... a ratcheting mechanism by which the... oscillator ticks unidirectionally... this system reveals molecular mechanisms of biological timekeeping." *Science*, 31/10/08 **"Creature With Interlocking Gears"**, "gears are ubiquitous in the man-made world, found in items ranging from wrist watches to car engines, but it seems that nature invented them first." *LiveScience*, 9/12/2013. **Bacterial Flagellum**, "The bacterial flagellum... is a rotary nanomotor that allows bacteria to propel themselves through liquids and across surfaces... a machine that self-assembles on the nanoscale." *Science*, April 14, 2017. "Thirty interdependent coordinated parts; rotor, stator, o-rings, bushings, u-joint, drive shaft, (100,000 RPM), network controlled clutch. Irreducibly complex system! **Darwin Acknowledged** "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. **Richard Dawkins**, Oxford, "Biology is the study of complicated things that give the appearance of having been designed for a purpose." *The Blind Watchmaker*, p.1 **Francis Crick**, Nobel Laureate, "Biologists must constantly keep in mind that what they see was not designed but rather evolved." *What Mad Pursuit*, 1988, p.138.

BOTH Can Be Investigated Scientifically & BOTH Have Religious Implications

No Religious Implications? "And a lawyer said, "Dr. Dawkins, has your belief in evolution, has your study of evolution turned you toward atheism?" "I would have to say yes," An interviewer asks Dawkins, "Is there any particular point or something that you read or an experience that you had that caused you to say this is it, God doesn't exist?" Oh well, by far, the most important, I suppose, was understanding evolution. I think the evangelical Christians have really sort of got it right in a way, in seeing evolution as the enemy. Whereas... the sophisticated theologians, are quite happy to live with evolution, I think they are deluded. I think the evangelicals have got it right in that there really is a deep incompatibility between evolution and Christianity. And I think I realized that at the age of about 16. **Isaac Asimov**, "I have faith and belief myself... I believe that nothing beyond those natural laws is needed. I have no evidence for this. It is simply what I have faith in and what I believe." *Counting The Eons*, p.10 **Unbeliever Believes:** Nothing Created Everything; Big Explosion Produced Ordered Universe; Molecules Self-Assemble & Become Living Cells; Errors In Information Produce More Information. **The unbeliever believes** that there was nothing... and nothing happened to nothing... but then nothing magically exploded for no reason, creating everything... and then a bunch of everything magically rearranged itself for no reason into self-replicating bits which then turned into dinosaurs and eventually people.

Legal Issues: Supreme Court, Justice Brennan, Louisiana 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 v. Don Aguillard, et al.* (June 19, 1987). **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

In Spite of Propaganda, Truth Is Winning:

Gallup Poll 2012: God created humans in their present form 46%; God guided the evolution of humans 32%; God had no part in human existence 14% (but taught as propaganda) "according to a new **Gallup poll**... About 42 percent espoused the creationist view presented, whereas 31 percent said God guided the evolutionary process, and just 19 said they believe evolution operated without God..." *Livescience*, June 5, 2014. Nationwide Poll: "Teachers and students should have the academic freedom to objectively discuss both the scientific strengths and weaknesses of the theory of evolution." 93% Agree "It is important for policymakers and the public to hear from scientists with differing view." 94% Agree. SurveyMonkey International July 1, 2016

Scientific Dissent From Darwinism (Signed by over 800 scientists all with doctorates in natural sciences). "We are skeptical of claims for the ability of random mutation and natural selection to account for the complexity of life. Careful examination of the evidence for Darwinian theory should be encouraged." <http://www.dissentfromdarwin.org/>

Deceitful Propaganda Denies: Ernst Mayr, Harvard, "...no educated person any longer questions the validity of the so-called theory of evolution, which we now know to be a simple fact." *What Evolution Is*, 2001, p. 141. **Eugenie C. Scott**, National Center for Science Education (Berkeley Watchdog Group) "Scientists should refuse formal debates because they do more harm than good, but scientists still need to counter the creationist message." *New Scientist*, 22/04/2000, p.46. **Methodology: Richard Dawkins**, "...go beyond humorous ridicule, sharpen our barbs to a point where they really hurt... I think that they are likely to be swayed by a display of naked contempt." RichardDawkins.net/articles/3767, Retrieved July 21, 2012. **Professor P. Z. Myers** University of Minnesota re: Intelligent Design "theocrats, faith-healers, and snake-oil artists;... I say, [#@!*] the polite words and careful rhetoric. It's time for scientists to break out the steel-toed boots and brass knuckles, and get out there and hammer on the lunatics and idiots." Scienceblogs.com/pharyngula. **Contrast Darwin's View, Origin Of The Species**, Introduction, "A fair result can be obtained only by fully stating and balancing the facts and arguments on both sides of each question."

Define Terms; Distinguish Variation From 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.

Define “Scientific Proof” (1. Observable, 2. Repeatable, 3. Experimental, 4. Falsifiable)

Observe Evolution? (In Living World) G. Ledyard 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*, 5/1981, 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.

Experimental? Repeatable? Ernst Mayr, Harvard "Evolutionary Biology, in contrast with physics and chemistry, is a historical science—the evolutionist attempts to explain events and processes that have already taken place. Laws and experiments are inappropriate techniques..." *What Evolution Is*, 2001, p.135. **Falsifiability, Colin Patterson**, British Museum of Natural History "...unique and unrepeatable, like the history of England. This part of the theory [evolution has occurred] is therefore a historical theory, about unique events, and unique events are, by definition, not a part of science, for they are unrepeatable and not subject to test." *Evolution*, p.45

Historical Not Empirical, Jerry A. Coyne Professor of Biology, Univ. of Chicago "...evolutionary biology is a historical science, laden with history's inevitable imponderables. We evolutionary biologists cannot generate a Cretaceous Park to observe exactly what killed the dinosaurs; and unlike "harder" scientists, we usually cannot resolve issues with a simple experiment..." *The New Republic*, 4/3/2000.

“Model Comparison” Is the Appropriate Scientific Methodology (Principle of Parsimony)

“Finches Evolve Before Scientists’ Eyes” *LiveScience.com* July 13, 2006 "For the first time scientists have observed in real-time evolutionary changes in one species driven by competition for resources..." (The Truth: "Shrinkage" less than one millimeter. "Shrunken" size already existed. Only relative numbers changed.)

Reversible Horizontal Variation "Speciation Undone" *Nature*, 3/13/2014 "...Darwin's tree finches... have collapsed, under conditions of hybridization, into 2 species..." **Continuing Propaganda:** "Darwin's finches prove a mechanism for the rapid formation of new species. These birds are evolutionary biologist most celebrated example of natural selection in action." *Science* 1/12/18. **Peppered Moths 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*." Introduction to Centennial Edition, *Origin of Species*, 1971 **Best Example!** "...the most striking evolutionary change ever witnessed by man."

International Wildlife Encyclopedia p.2706 **Discredited;** Jerry Coyne, Univ. Chicago, "Majerus notes that the most serious problem in that *B. betularia* probably does not rest on tree trunks—exactly 2 moths have been seen in such a position in more than 40 years of intensive research. The natural resting spots, are in fact, a mystery. This alone invalidates Kettlewell's release-recapture experiments, as moths were released by placing them directly onto tree trunks, where they are highly visible to bird predators..." Finally, the results of Kettlewell's behavioral experiments were not replicated in later studies: moths have no tendency to choose matching backgrounds." Jerry A. Coyne, *Nature*, Vol.36, 11/5/98, p.35. **Still Taught** "...the peppered moth (*Biston betularia*) is one of the most widely recognized examples of contemporary evolutionary change." *Science*, 5/20/11.

Peppered Moths Illustrate Shift in Relative Numbers of Preexisting Horizontal Variations!

Observed Variation Does Not Accumulate. Darwin Simply Assumed Small Changes Accumulate

Fruit Flies Test Assumption, Michel Delsol, 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. **Bacteria Test Assumption, W. Braun**, "...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. **Fossils Indistinguishable** "...the bacteria look the same as bacteria of the same region from 2.3 billion years ago—and that both sets of ancient bacteria are indistinguishable from modern sulfur bacteria..." *PhysOrg.com*, February 3, 2015. **Fungus Tests the Assumption** "World's oldest fungus' raises evolution questions". "...found in rocks dating back 2.4 billion years... resemble living fungi... The fossils are almost indistinguishable from those found in similar environments on land, although they are much older..." *BBC News* 25 April 2017. **Amber Tests the Assumption** "356 animal inclusions... trapped in tiny drops of ancient amber... 245 million to 280 million years old... Surprisingly, these microscopic organisms look quite familiar to today's scientists... few or no physical changes..." *National Geographic News*, 12/13/2006.

Leading Authorities Acknowledge Failure: 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. **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. **Modern Synthesis Gone,**

Eugene V.Koonin, National Center for Biotechnology Information, "The edifice of the Modern Synthesis has crumbled, apparently, beyond repair. ...The summary of the state of affairs on the 150th anniversary of the *Origin* is somewhat shocking: in the post-genomic era, all major tenets of the Modern Synthesis are, if not outright overturned, replaced... So, not to mince words, the Modern Synthesis is gone." *Trends Genetics*, 2009 Nov, 25(11): 473–475.

Remember Purpose Of Presentation: To Define Creation Science. Now you know, popular press is wrong.

Examples: Natural History Museum of Los Angeles County: "The creationists seek to impose on the population at large, by political means, a body of religious beliefs derived from literal readings of the Holy Bible — both the Old Testament and New." **American Institute of Biological Sciences:** "...creationism is based almost solely on religious dogma stemming from faith rather than demonstrable facts." **Notice, no critique of actual arguments, rather logical fallacy: *Agumentum ad hominem***

Creation Science Evaluates Scientific Data