Why Does the University Fear Phillip Johnson?

Who Is Phillip Johnson?

Best-selling author Phillip Johnson has become the leader of the Intelligent Design movement. His books *Darwin on Trial, Reason in the Balance, Defeating Darwinism by Opening Minds* and the recently released *Objections Sustained* have become rallying points for Christian scholars across the academic spectrum. Johnson has addressed university audiences around the country, sometimes on his own, often in debate with a leading proponent of evolution. He has even addressed in private session entire science, law, and philosophy departments at top universities. Well, just who is Phillip Johnson and how does he rate such attention?

Johnson was raised in a nominally Christian family, but he grew to become a convinced skeptic of the faith. This process was greatly aided by his education, first as an undergraduate at Harvard and then at the University of Chicago Law School where he graduated first in his class. Johnson became convinced that people were basically good, education would solve whatever problems you had, the stuff of Sunday school was okay but mythology, and he could achieve success by thinking for himself and absorbing the culture around him.

This is the enticing picture the academic community paints for students and Johnson bought it. But things began to unravel in his mid-thirties. He had achieved his goals. He served as law clerk for Supreme Court Chief Justice Earl Warren and held a distinguished professorship of law at UC Berkeley, but he lacked fulfillment. He was publishing papers nobody read, or ought to read. His marriage to a beauty queen fell apart and he was single parenting for awhile. The writings of C. S.

Lewis had impacted him greatly, but he thought, “Too bad we can’t believe in that anymore.” Eventually he heard the gospel preached in a way that seemed plausible and attractive. Johnson envied the speaker’s combination of commitment and fulfillment. “Do I have something so wonderful?” he questioned. Johnson said, “They believed it, I could too.”

Johnson put his faith in Christ, but faced a dilemma. If the gospel is true, why are all the “intelligent” people agnostic? He prayed for insight. Beginning with a sabbatical at University College in London in 1987-88, Johnson embarked on an intellectual journey. This journey has developed into a project that has seen him publish four books, deliver hundreds of lectures on college campuses, and become the leader of the fledgling Intelligent Design movement over the last ten years. Primarily through his study of evolution, Johnson learned that the academic community’s primary intellectual commitment is to the philosophy of naturalism. If the “facts” contradict materialistic conclusions, then the “facts” are either explained away, ignored, or just plain wrong.

Therefore, evolutionists like Richard Dawkins can say things like “Biology is the study of complicated things that give the appearance of having been designed for a purpose,” and actually say it with a straight face. The appearance of design is an illusion, you see, because we “know” that organisms evolved and the primary reason we “know” this is because naturalistic philosophy demands it.

Johnson’s primary task seems to be continually provoking the scientific community into facing the reality of its naturalistic presuppositions. In earlier years, the scientific establishment was able to dismiss creationists and not officially respond. But when a tenured law professor from Berkeley starts messing with your head, people start answering back. The National Academy of Sciences has issued two publications in the last two years trying to stem the tide.{1} The cracks in Darwinian evolution are beginning to show.

What Could a Law Professor Say About Evolution?

What could a legal scholar possibly have to say about evolution? Many in the academic community have raised the same question as Phillip Johnson has visited their university. In his own words Johnson states: “I approach the creation-evolution dispute not as a scientist but as a professor of law, which means among other things that I know something about the ways that words are used in arguments.”{2}

Specifically what Johnson noticed was that both the rules of debate about the issue as well as the word *evolution* itself were defined in such a way as to rule out objections from the start. Science is only about discovering naturalistic causes of phenomena, therefore arguing against the sufficiency of natural causes is not science! Also the “fact of evolution” is determined not by the usual definition of fact such as collected data or something like space travel which has been done, but as something arrived by majority vote! Steven J. Gould said, “In science, fact can only mean ‘confirmed to such a degree that it would be perverse to withhold provisional assent.'”{3}

In the early chapters of *Darwin on Trial*, Johnson does an excellent job of summarizing the evidence that has been around for decades calling Darwinian evolution into question. These include problems with the mechanism of mutation and natural selection, problems with finding transitional fossils between major groups when they should be numerous, problems with the molecular evidence for common descent, and severe problems with any scenario for the origin of life.

In a chapter titled “The Rules of Science” Johnson excels in illuminating the clever web evolutionists have drawn to insulate evolution from criticism.{4} In order to limit discussion to naturalistic causes, science is defined in

purely naturalistic terms. In the Arkansas creation law decision, Judge Overton said science was defined as being guided and explained by natural law, testable, tentative, and falsifiable. Overton got this from the so- called expert testimony of scientists collected for the trial by the ACLU. These criteria were used against creation on the one hand to say that a creator is not falsifiable, and also that the tenets of creation science were demonstrably false. How can something be non-falsifiable and false at the same time?

The conflict enters in when one realizes that creation by Darwinist evolution is as un- observable as creation by a supernatural creator. No one has ever observed any lineage changing into another and the few fossil transitions that exist are fragmentary and disputable. “As an explanation for modifications in populations, Darwinism is an empirical doctrine. As an explanation for how complex organisms came into existence in the first place, it is pure philosophy.”{5}

In a chapter titled “Darwinist Religion” Johnson points out that despite the claims of scientists that evolution is secular, it is loaded with religious and philosophical implications. Most definitions of evolution emphasize its lack of purpose or goal. This makes evolution decidedly non-purposive in contrast to a theistic, purposive interpretation of nature. If it is the philosophic opposite of theism, evolution must be religious itself. Darwin himself constantly argued the superiority of descent with modification over creation. If scientific arguments can be made against theism, why can’t scientific arguments be made for theism?

Darwin on Trial continues to sell, to be read, and to influence those open to consider the evidence. Since Johnson is not a scientist his book is highly readable to the educated layman. If you have never picked it up, you owe it to yourself to read what has become a classic in the creation/evolution controversy.

Johnson Extends His Case against Evolution into Law and Education.

Over the years of speaking on the creation/evolution issue I have been asked many times why people get so upset over this issue. If it is just a question of scientific accuracy, why does it produce such emotional extremes? The answer, of course, is that the creation/evolution debate involves much more than science. At question is which worldview should hold sway in making public decisions.

In Phil Johnson's second book, *Reason in the Balance*, he makes this very point when he says, "What has really happened is that a new established religious philosophy has replaced the old one. Like the old philosophy, the new one is tolerant only up to a point, specifically, the point where its own right to rule the public square is threatened."{6}

The old philosophy Johnson speaks of is the theistic or Judeo-Christian worldview and the new philosophy is the materialist or naturalistic worldview. Johnson has referred to *Reason in the Balance* as his most significant and important work. That is because it is here that he lays the all important philosophical groundwork for the scientific, legal, and educational battleground of which the creation/evolution controversy is only a part.

That we no longer live in a country dominated by Judeo-Christian principles should be inherently obvious to most. But what many have missed is the concerted effort by the intellectual, naturalistic community to eliminate any possibility of debate of the worthiness of their position. On page 45 Johnson says,

> *"Modernist discourse accordingly incorporates semantic devices—such as the labeling of theism as religion and naturalism as science—that work to prevent a dangerous debate over fundamental assumptions from breaking out in the open.*

> *As the preceding chapter showed, however, these devices become transparent under the close inspection that an open debate tends to encourage. The best defense for modernist naturalism is to make sure the debate does not occur."*{7}

Johnson is quick to point out that there is not some giant conspiracy, but simply a way of thinking that dominates the culture, even the thinking of many Christians.

Therefore, in the realm of science when considering the important question of the existence of a human mind, only the biochemical workings of the brain can be considered. Not because an immaterial reality has been disproved, but because it is outside the realm of materialistic science and therefore not worth discussing. Allowing the discussion in the first place lays bare a discussion of fundamental assumptions, the very thing that is to be avoided.

In education, "The goal is to produce self-defining adults who choose their own values and lifestyles from among a host of alternatives, rather than obedient children who follow a particular course laid down for them by their elders."{8} The reason, of course, is if God is outside the scientific discussion of origins, then how we should live must also exclude any absolute code of ethics. This also precludes the underlying assumptions from being discussed.

In law, naturalism has become the established constitutional philosophy. Rather than freedom *of* religion, the courts are moving to a freedom *from* religion. The major justification is that "religion" is irrational when it enters the domain of science or a violation of the first amendment in public education. "Under current conditions, excluding theistic opinions means giving a monopoly to naturalistic opinions on subjects like whether humans are created by God and whether sexual intercourse should be reserved for marriage."{9} What then are the strategies for breaking the monopoly?

Can Darwinism Be Defeated?

The main thing Christian parents and teachers can do is to teach young thinkers to understand the techniques of good thinking and help them tune up their baloney detectors so they aren't fooled by the stock answers the authorities give to the tough questions.{10}

So says Phillip Johnson in his recent book, *Defeating Darwinism.* (For a fuller review see Rick Wade's article, Defeating Darwinism: Phil Johnson Steals the Microphone.) Johnson is at his best here, relaying the many semantic and argumentative tricks used to cover up the inadequacies of Darwinism. In the chapter "Tuning Up Your Baloney Detector," Johnson introduces the reader to examples of the use of selective evidence, appeals to authority, ad hominem arguments, straw man arguments, begging the question, and lack of testability. This chapter will give you a good grasp of logical reasoning and investigative procedure.

Johnson also explains the big picture of his strategy to weaken the stranglehold of Darwinism on the intellectual community. He calls it *the wedge*. Darwinism is compared to a log that seems impenetrable. Upon close investigation, a small crack is discovered. "The widening crack is the important but seldom recognized difference between the facts revealed by scientific investigation and the materialist philosophy that dominates the scientific culture."{11} In order to split the log, the crack needs to be widened. Inserting a triangular shaped wedge and driving the pointed end further into the log can do this. As the wedge is driven further into the log, the wider portions of the wedge begin widening the crack.

Johnson sees his own books as the pointed end of the wedge, finding the crack and exposing its weaknesses. Other books in these initial efforts would certainly include the pioneering works of Henry Morris,{12} Duane Gish,{13} Charles Thaxton,{14} and even the agnostic Michael Denton.{15}

Following close behind and fulfilling the role of further widening the crack are the works of J. P. Moreland,{16} Michael Behe,{17} and William Dembski.{18} What is needed now to widen the crack further and eventually split the log are larger numbers of theistic scientists, philosophers, and social scientists to fill in the ever widening portions of the wedge exposing the weaknesses of naturalistic assumptions across the spectrum of academic disciplines.

Here Johnson's strategy meshes nicely with Probe Ministries. Much of our energy is spent educating young people in a Christian worldview through Mind Games Conferences, the ProbeCenter in Austin, Texas, and our website (www.probe.org). We share with Johnson the joy of encouraging and opening doors for young people in the academic community. Johnson says,

> *"If you know a gifted young person, help him or her to see the vision. Those who are called to it won't need any further encouragement. Once they have seen their calling, you had better step out of the way because you won't be able to stop them even if you try."{19}*

There is also an inherent risk in all this. Teaching young Christians to think critically and have the courage to join this exciting and meaningful cultural battle means they will also begin to examine their own faith critically. Some may even go through a period of doubt and deep questioning. While this may sound threatening, we shouldn't shy away. If Jesus truly is the way, the truth, and the light then any "truth" exposed to the light will endure. Our children will be stronger having put their faith to the test. The reward of possibly making a directional change in our downward spiraling culture is worth the risk.

Johnson Responds to the Intellectual

Elite

One of the reasons that Phillip Johnson has become a leader in the Intelligent Design movement is the combined effect of his tenured position on the law faculty of the prestigious University of California at Berkeley and his deftness and sheer enjoyment in taking on the power brokers within the established halls of academia. Johnson has traveled extensively in the U.S. and abroad. He has also lectured and debated before university audiences and faculties. His knowledge of debate, concise prose, and his likeable demeanor allows him to bring the issues to the table skillfully. Many are able to think clearly about these issues for perhaps the first time.

Another avenue Johnson has pursued with great success has been to write articles and review books for some of the leading magazines and newspapers in the country. Johnson's fourth book, *Objections Sustained: Subversive Essays on Evolution, Law & Culture,*{20} is a collection of his essays since the publication of *Darwin on Trial* in 1991. While most of the essays in the book were originally published in either the journal *First Things* or the paper *Books and Culture*, Johnson's pen has also been found in the pages of *The Atlantic, The Wall Street Journal, The Washington Times, The New Criterion,* and many other national and local magazines and newspapers. He has openly challenged some of the leading spokesmen for naturalistic evolution such as Stephen J. Gould and Richard Lewontin of Harvard, Richard Dawkins of Oxford University, and Daniel Dennet from Tufts University.

The point of all this is to draw the Darwinists out into the open where the debate can be seen and heard by all who are interested. Previously, creation was routinely dismissed as religion, but Johnson is not so easily swept aside since he has been able to expose the house of cards behind the bluster of Darwinism. The debate has crept more and more out in the

open.

Two examples come to mind. First, the National Association of Biology Teachers (NABT) was caught with its hand in the cookie jar. In 1995, they released a statement about evolution describing it as, among other things, unsupervised and impersonal. Such theological/philosophical concepts should have no place in a "scientific" statement. A storm of controversy sparked both within and outside the teachers' ranks culminated in a reconsideration of the statement by the NABT board. At first the board voted unanimously to uphold the statement, and then a few days later, voted to remove the offending words. The *New York Times* remarked that "This surprising change in creed for the nation's biology teachers is only one of many signs that the proponents of creationism, long stereotyped as anti-intellectual Bible-thumpers, have new allies and the hope of new credibility."{21}

Second, the prestigious National Academy of Sciences has published two official publications attacking creationism{22} and supporting the teaching of evolution.{23} Rather than taking its critics head-on, these two books timidly revert to old and tattered evidences and appeals to authority. For instance, the National Academy boldly asserts that "there is no debate within the scientific community over whether evolution occurred, and there is no evidence that evolution has not occurred."{24}

Science and Creationism says on the one hand, "Scientists can never be sure that a given explanation is complete and final."{25} But evolution cannot really be questioned because "Nothing in biology makes sense in biology except in the light of evolution."{26} Such obfuscation is now officially in the open arena—precisely where Johnson has been trying to force it to appear. The next ten to fifteen years promise to be exciting. I hope you continue to read Phillip Johnson and observe the ever broadening wedge drive deeper into the chinks of the Darwinian armor.

Notes

1. National Academy of Sciences, *Teaching About Evolution and the Nature of Science* (Washington, D. C.: National Academy Press, 1998), 140. Available online at http://www.nap.edu/readingroom/books/creationism/.
National Academy of Sciences, *Science and Creationism: A View from the National Academy of Sciences* (Washington D. C.: National Academy Press, 1999), 35. Available online at http://www.nap.edu/readingroom/books/evolution98.

2. Phillip Johnson, *Darwin On Trial* (Downers Grove, IL: InterVarsity Press, 1991), 8.

3. Stephen J. Gould, "Evolution as Fact and Theory" in *Hen's Teeth and Horse's Toes* (New York: W. W. Norton, 1983), 255.

4. Johnson, *Darwin on Trial,* 111-122.

5. Ibid., 115.

6. Phillip E. Johnson, *Reason in the Balance: The Case Against Naturalism in Science, Law and Education* (Downers Grove, IL: InterVarsity Press, 1995), 37.

7. Ibid., 45.

8. Ibid., 157.

9. Ibid., 29.

10. Phillip E. Johnson, *Defeating Darwinism by Opening Minds* (Downers Grove, IL: InterVarsity Press, 1997), 116.

11. Ibid., 92.

12. Henry Morris, *Scientific Creationism* (San Diego: Creation-Life Publishers, 1974).

13. Duane Gish, *Evolution: The Fossils Say No!* (San Diego: Creation-Life Publishers, 1972).

14. Charles B. Thaxton, Walter L. Bradley, and Roger L. Olsen, *The Mystery of Life's Origin* (New York: Philosophical Library, 1984).

15. Michael Denton, *Evolution: A Theory in Crisis* (Bethesda, MD: Adler and Adler, 1986).

16. J. P. Moreland, ed., *The Creation Hypothesis: Scientific Evidence for an Intelligent Designer* (Downers Grove, IL: InterVarsity Press, 1994).

17. Michael Behe, *Darwin's Black Box: The Biochemical Challenge to Evolution* (New York: The Free Press, 1996).

18. William A. Dembski, *The Design Inference: Eliminating Chance through Small Probabilities* (New York: Cambridge University Press, 1998.) And, William A. Dembski, ed., *Mere Creation: Science, Faith and Intelligent Design* (Downers Grove, IL: InterVarsity Press, 1998).

19. Johnson, *Defeating Darwinism,* 96.

20. Johnson, *Objections Sustained: Subversive Essays on Evolution, Law & Culture* (Downers Grove, IL: InterVarsity Press, 1998).

21. Quoted in Johnson, *Objections Sustained*, p. 88.

22. *Science and Creationism,* see note 1.

23. *Teaching about Evolution and the Nature of Science,* see note 1.

24. Ibid., 4.

25. *Science and Creationism,* 1.

26. Ibid., ix.

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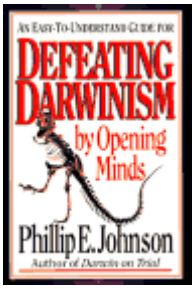
Defeating Darwinism

Introduction

What's this? A lawyer debating philosophy with scientists? If you keep close tabs on the creation/evolution debate, you've probably already heard the name Phillip Johnson. If not, but you're interested in seeing how one Christian is challenging the dogma of Darwinism, you'll want to know about this man.



Phillip Johnson is a law professor at the University of California, Berkley. In 1997 InterVarsity Press published *Defeating Darwinism by Opening Minds*, Johnson's third book in his debate with naturalistic evolution. His first book, *Darwin On Trial*, examined the scientific evidence for evolution and launched a series of lectures and debates across the United States and overseas in universities and on radio and television. His second book, *Reason in the Balance*, examined the influence of naturalism in the spheres of science, law, and education. *Defeating Darwinism* brings his case to high school and early college-level students and their parents.

So, what prompted a law professor to take on the evolutionists? It seems that Johnson became aware of a significant difference between the way the theory of evolution is presented to the public and the way it's discussed among scientists. To the general public, evolution is presented as being settled with respect to the really important questions. Among scientists, however, there is still no consensus as to

how evolution could have occurred. As another author said, evolution is a theory in crisis. Professor Johnson studied the literature closely and concluded that what keeps the "evolution-as-fact" dogma alive is not scientific evidence at all, but rather a commitment to the philosophy of naturalism.

Naturalism is the belief that everything that exists is on the same basic level, that of nature. There is no God who created the universe whether in six days or in 40 million years.

One needs to be cautious here. Many scientists believe in God. However, the rule of the day in the laboratory and the classroom is a commitment to the philosophy of naturalism or at least to practical naturalism. Consequently, whether there is a God or not, no reference can be made to Him in the realm of scientific study.

Two reasons come to mind to explain why Johnson has received such a wide hearing in secular academia. First, he keeps the focus on evolution, *not* on a particular theory of creation. This is annoying to evolutionists. But Johnson knows that as soon as he allows his views to be put under the spotlight, the debate will be over. Why? Because the evolutionists will immediately label his views as "religious," and he will be dismissed out of hand. Second, he is a legal scholar with years of experience in the logical analysis of evidence. He has the skill to carefully dissect the arguments of evolutionists, show their weaknesses, and reveal their unargued presuppositions.

In this essay we'll take a closer look at Johnson's book *Defeating Darwinism*. We'll see how evolution gained dominance as a theory of origins, and we'll learn how Johnson exposes its UNscientific foundations. I urge you to get a copy of this book even if science isn't your area, just to learn one way to engage our culture in the realm of ideas.

Where's the Beef?

In his new book, *Defeating Darwinism By Opening Minds*, Phillip Johnson seeks to help high-school and college students and their parents evaluate the claims of Darwinism.

In his first book, *Darwin on Trial,* Johnson described the evidential problems with evolution in some detail. In *Defeating Darwinism*, he simply notes that possible transitional forms in the fossil record are very few in number and they are not found where fossil evidence is most plentiful. The problem, he says, is that textbooks and museums often present evidence in a way that implies there is more evidence available than there really is. As an example, Johnson points to an exhibit in San Francisco called the "Hard Facts Wall" which fills in gaps in the fossil record with imaginary ancestors. Says Johnson:

> *Visitors to the museum at first take the exhibit at face value; after I explain it to them, they are astonished that a reputable museum would commit such a deception. But the museum curators are not consciously dishonest; they are true believers who are just trying too hard to help the public get to the right' answer.(1)*

Even though the physical evidence is not there, and there is no known mechanism for the transition from one type of organism to another, the scientific community clings to evolution as fact. The reasoning seems to be this: Since science studies the natural order, scientific theory must remain within naturalistic bounds. Since neo-Darwinism is the best naturalistic theory, it *must* be true. This commitment extends beyond simply influencing scientific study; it is indoctrinated into students as the way things are. Johnson says that, "When students ask intelligent questions like 'Is this stuff really true?' teachers are encouraged or required not to take the questions seriously."(2)

A fifteen-year-old high school student found out about the power of Darwinist orthodoxy when he challenged a requirement to watch a program on public television which promoted the "molecule to man" theory as fact. When school administrators showed an inclination to go along, the bottom fell out. Johnson stated, "the Darwinists, . . . flooded the city's newspapers with their letters. Some of the letters were so venomous that the editorial page editor of the Denver Post admitted that her liberal faith had been shaken."(3) When CBS carried the story, a prominent evolutionist made the teenager out to be an enemy of education. Orthodoxy is not to be questioned.

One of the most significant factors in establishing the reign of evolution was the movie *Inherit the Wind*, the imaginative re-telling of the story of the Scopes "Monkey Trial" of 1925. The trial is presented as a David-and-Goliath match between the few reasonable and enlightened advocates of progress and the forces of ignorance and oppression who are shackled by their "Old Time Religion." The important players were caricatured and significant details were completely falsified, but the point was made: religion can co-exist with science, but only if it minds its own business.

The book *Defeating Darwinism* is an important contribution not only because of the questions it raises about evolution, but also because it teaches the reader *how* to think about issues. Next, we'll look at some fallacious arguments evolutionists use.

Baloney Detectors Wanted

In his book *Defeating Darwinism by Opening Minds*, Phillip Johnson analyzes the role *Inherit the Wind* played in our thinking about the relation of religion and science. This was the play—and later the movie—which retold the story of the Scopes "Monkey Trial" of 1925. One significant character who only appeared for a few minutes was the Radio Man, the radio

announcer who made a live broadcast from the courtroom.

Near the end of the play, when the prosecuting attorney launches into a long speech denouncing the evils of evolution, the radio program director decides that the attorney's speech has become boring, and Radio Man turns off the microphone. This is the only microphone in the courtroom. Johnson sees this move as symbolic. He says: "That is why what happened in the real-life Scopes trial hardly matters; the writers and producers of *Inherit the Wind* owned the microphone, making their interpretation far more important than the reality."(4)

This example illustrates one of several logical fallacies evolutionists sometimes commit which Johnson exposes in his chapter "Tuning Up Your Baloney Detector." This first fallacy is the selective use of evidence. Radio Man could broadcast what *he* wanted people to hear without giving the other side equal time. What we hear about today, says Johnson, are the evidences which seem to support evolution. What we don't hear about is the absence of significant evidence in the fossil record as a whole. Seeing the entire picture can, and should, easily give one doubts about the story we're now being told by the evolutionists.

Another fallacy evolutionists sometimes employ is the *ad hominem* argument, or the argument "against the man." If a doubter can be labeled a "fundamentalist" or a believer in "creation science" (meaning creation in six, twenty-four hour days), his doubts can be set aside on the grounds of religious prejudice.

Johnson cautions us to watch out also for "vague terms and shifting definitions." The word *evolution*, for example, can mean different things. Are we speaking of microevolution, small changes within a species, or are we talking about macroevolution, major mutations from one type of organism to another? As Johnson says, "That one word *evolution* can mean something so tiny it hardly matters, or so big it explains the

whole history of the universe."(5)

Johnson notes that fewer than 10 per cent of Americans actually believe that "humans . . . were created by a materialistic evolutionary process in which God played no part."(6) Nonetheless, the vast majority who doubt this are not allowed to think for themselves on the matter of the fact of evolution. Rather than being educated to think for themselves, students are indoctrinated with the dogmatic claims of evolutionists.

In response, Johnson urges students to discern whether what they are being taught is simply assumed or whether it is based on real evidence. When evolutionists insist on the *fact* of evolution without having concrete evidence, and without having any idea of the *mechanism* of evolution, they're revealing a faith commitment.

Although Johnson's particular strength is in exposing the flaws in evolutionists' arguments, he also presents a positive case for intelligent design in the creation of life. We'll look at that subject next.

Intelligent Design

When Charles Darwin presented his theory of evolution, little was known about what goes on inside living cells. They were "black boxes," objects the insides of which were unknown. With the development of molecular biology, scientists have come to realize that cells are extremely complex.

In his book, *Defeating Darwinism by Opening Minds*, Phillip Johnson introduces the reader to some exciting new discoveries in biology which he believes deal a significant blow to Darwinian evolution.

Johnson says it's now recognized that there's information encoded in cells which can't be reduced to matter. The evolutionist Richard Dawkins writes,

> *Each nucleus . . . contains a digitally coded database larger, in information content, than all 30 volumes of the Encyclopedia Britannica put together. And this figure is for each cell, not all the cells of the body put together."(7)*

This information is distinct from the physical structure in the same way that the message of a book is distinct from the ink and paper which records it. The question biologists must answer is, Where did this genetic information come from? Information implies intelligence. It can't be explained by physical mutations and natural selection. This is a serious problem for Darwinists.

Another finding which also is a major problem for Darwinists is what is called the irreducible complexity of living organisms. Johnson explains what this means: "Molecular mechanisms . . . are made up of many parts that interact in complex ways, and all the parts need to work together. Any single part has no useful function unless all the other parts are also present."(8) The eye, for example, requires the coordinated working of many different parts to do its work. Each of these parts, however, can accomplish nothing on its own. That being the case, why would the individual parts have been preserved through time by natural selection? If there *were* gradual development, there must have been some intelligence behind it to know what to retain and what to destroy.

These two factors, then—information content and irreducible complexity—are strong physical evidence for intelligent design. Information implies intelligence, and complexity can't be accounted for by mutation and selection. It requires design.

In spite of the evidence, however, Darwinists still insist that the origin of life can't lie in supernatural creation. As we noted on earlier, the key issue for them is their prior

commitment to a naturalistic philosophy. As geneticist Richard Lewontin said, "[W]e 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, . . . Moreover, that materialism is absolute, for we cannot allow a Divine Foot in the door."(9)

It's Phillip Johnson's project to expose this prior commitment and to convince evolutionists to acknowledge it. Now we'll turn to look at Johnson's overall project and see what lessons we can draw from it.

Evaluation

Johnson calls his basic strategy for addressing the issue of evolution, the "wedge." He wants to drive a wedge into the "log" of scientific materialism so as to separate the facts of scientific investigation from the naturalistic philosophy which dominates science.

One of the criticisms of Johnson's work is that he wants to throw the baby out with the bathwater. Theistic evolutionists, for example, say that one needn't accept a materialistic theory of evolution to recognize the gradual development of life on our planet. Indeed, Johnson seems to be fighting two battles: the first against those who insist upon doing science in a thoroughgoing naturalistic framework; the second against macroevolution of any sort.

I noted earlier that Johnson argues against separating the so-called *fact* of evolution from the *mechanism* of evolution. He insists that before we can know *that* evolution happened, we need to know *how* it happened. This certainly isn't a universal logical principle. I don't need to know precisely how a camera and film produce pictures to know that they do. Nonetheless, Johnson is correct in pressing for conclusive fossil evidence for gradual change or for a plausible explanation for sudden macromutations.

Johnson's challenge to the scientific community boils down to this question: "What should we do if empirical evidence and materialist philosophy are going in different directions?"(10) In other words, Are you willing to abandon a theory of purposeless processes if the evidence weighs against such a theory? When scientists are willing to do this, then science will be free to discover—as far as it's able—what nature is really like apart from personal prejudices.

It's evident that Johnson has struck a nerve in the scientific community. He's debated well-known scientists and has spoken at prestigious universities across America and overseas. He has not allowed opponents to pin him down on a particular theory of creation and then to dismiss him with the usual "religion vs. science" argument.

Johnson notes that Marx, Freud, and Darwin were three of the most influential men in this century. Marxism and Freudianism have both passed into history. Says Johnson, "I am convinced that Darwin is next on the block. His fall will be by far the mightiest of the three."(11)

But this will only happen, he says, if we "step off the reservation"(12) and do the work necessary to prove our case. We must encourage our young people to take up the challenge of thinking for themselves on this matter and not be intimidated by those who wish to maintain the status quo. This will involve a risk, but as Johnson says: "We will never know how great the opportunity was if we are afraid to take the risk."(13)

This book is valuable for any Christian who wants to learn how to think critically, whether the reader is scientifically-minded or not. Here we find a model for turning the tables on those who want to keep us on the defensive. If we have to give an answer for what we believe, it's only fair that our critics should do the same. *Defeating Darwinism* is an example of how to get them to do it.

Notes

1. Phillip E. Johnson, *Defeating Darwinism by Opening Minds* (Downers Grove, Ill.: InterVarsityPress, 1997), 38.

2. Ibid., 54.

3. Ibid., 35.

4. Ibid., 33.

5. Ibid., 45.

6. Ibid., 10.

7. Ibid., 77.

8. Ibid.

9. Ibid., 81.

10. Ibid., 114.

11. Ibid., 113.

12. Ibid., chap. 8.

13. Ibid., 118.

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Darwin on Trial: A Lawyer

Finds Evolution Lacking Evidence

Darwin on Trial is the title of a book on evolution that has ruffled the feathers of the secular scientific community. Though a Christian, author Philip Johnson critiques evolutionary theory from a secular standpoint as he examines the philosophical games many scientists play to protect their evolutionary ideology.

Evolution as Fact and Theory

Johnson, a law professor at the University of California at Berkeley, attacks head-on the often-heard statement that evolution is both a fact and a theory, an evolutionary dogma that has been a major source of confusion for a long time. Evolution is a fact, Darwinists say, in that they know that evolution has occurred. It is a theory in that they are far from understanding the mechanisms by which evolution has occurred. In the eloquent words of evolutionist Stephen J. Gould,

> *Evolution **is** a theory. It is also a fact. And facts and theories are different things, not rungs in a hierarchy of increasing certainty. Facts are the world's data. Theories are structures of ideas which explain and interpret facts. Facts do not go away while scientists debate rival theories for explaining them. Einstein's theory of gravitation replaced Newton's, but apples did not suspend themselves in mid-air pending the outcome. And human beings evolved from apelike ancestors whether they did so by Darwin's proposed mechanism or by some other, yet to be discovered. (Evolution as Fact and Theory)*

There are numerous problems with this explanation. First, if

evolution is a fact, then evolution is equivalent to data. This hardly seems appropriate. Second, the comparison of evolution to gravity is misleading. We can go into any apple orchard and observe apples falling from trees. But where do we go to observe humans evolving from apelike ancestors? Apples falling from trees fits into the category of science we can term **operations science** which utilizes data that are repeatable and observable at any time. Humans evolving from apelike ancestors, however, would fall under the category of **origins science**. Origins science involves the study of historical events that occur just once and are not repeatable. We can only assemble what evidence we have and construct a plausible scenario, much like the forensic scientist Quincy did in the old television show. The so-called facts of human evolution, by Gould's own definition, are the fossils and the rock layers they are found in. That humans evolved from apelike ancestors is a theory that attempts to explain and interpret these facts.

Later in the same article Gould states the real definition of fact under which evolution fits. He begins by saying that fact does not necessarily mean absolute certainty. Then he says, "In science, fact' can only mean confirmed to such a degree that it would be perverse to withhold provisional assent.'" In other words, evolution is a fact because a majority of scientists say so, and you are "perverse" if you do not agree. We quickly begin to see that evolution holds a privileged place in the scientific community, which will go to extraordinary lengths to preserve that status.

A Theory in Crisis

Johnson's book, although the most recent, is not the first to question evolution's status as fact. Michael Denton, an agnostic medical researcher from Australia, caused quite a storm with his 1985 book, *Evolution: A Theory in Crisis*. Denton's point is that orthodox Darwinism has such a

stranglehold on the biological sciences that contradictory evidences from fields such as paleontology, developmental biology, molecular biology, and taxonomy are passed off as intramural squabbles about the process of evolution. The "fact" of evolution is never really in question. Like Johnson, Denton points out that Darwinism is not a fact. It is a mechanistic theory that is still without a mechanism. While moths and fruit flies do respond to environmental stimuli, our observations of this process have been unable to shed any light on the means by which we have come to have horses and woodpeckers and wasps. The origin of complex adaptations has remained a mystery. The fossil record is pockmarked with gaps in the most embarrassing places. Darwin predicted innumerable transitional forms between major groups of organisms, yet the few transitions that are suggested are surrounded in controversy. Another "fact" that fails to withstand Denton's scrutiny is the assumption that similar biological structures owe their similarity to a common ancestry. Homology, which studies these similarities, assumes for example that the forelimbs of amphibians, reptiles, birds, and mammals are similar in structure because they evolved from the same source. Denton reveals, however, that these same classes of vertebrates go through remarkably different stages of early embryological development. This was certainly not a prediction of Darwinian evolution. Even more importantly, Denton reports that comparison of the sequences of proteins from different organisms actually supports the pre-Darwin system of classification, which was based on creationist principles.

Also, the many chemical evolution scenarios are caught in numerous intractable dilemmas that offer little hope of resolution (see *Scientific American*, Feb. 1991).

Rules of Science and Evolution

Another issue that Philip Johnson treats in his book is the fact that the rules of science tend to be stated and followed

differently depending on whether you are talking about evolution or creation. Professor Johnson refers specifically to Judge William Overton's decision striking down the Arkansas Creation/Evolution Balanced Treatment law. In his written decision, which was reprinted in its entirety in the prestigious journal *Science*, Judge Overton reiterated five essential characteristics of science that were given by opponents of the bill during the trial. Science, in the judge's opinion, must be:

- *Guided by natural law*
- *Explanatory by reference to natural law*
- *Testable against the empirical world*
- *Tentative in its conclusions—that is, not necessarily the final word*
- *Falsifiable*

Judge Overton decided that creation-science does not meet these criteria since it appeals to the supernatural and is therefore not testable, falsifiable, or explanatory by reference to natural law. Johnson points out that philosophers of science have been very critical of the definitions of science given in the decision and have suggested that the expert witnesses provided by the ACLU attorneys got away with a philosophical snow job. Critics have pointed out that scientists are not the least bit tentative about their basic commitments, especially about their commitment to evolution. From my own experience, all one has to do is attend any scientific meeting to see that some scientists are anything but tentative about their ideas. Also, scientists study the effects of phenomena (such as gravity) that they cannot explain by natural law. Finally, critics have noted that creation-science, as proposed by the Arkansas law, does make empirical claims (such as a young earth, worldwide flood, special creation). Mainstream science has said these claims are demonstrably false, which raises the interesting question, How can creation-science be both unfalsifiable **and**

demonstrably false at the same time? Johnson clearly reveals that what is really being protected by these rules of science is not necessarily evolution, but the philosophical doctrine known as *naturalism*. According to Johnson, "Naturalism assumes the entire realm of nature to be a closed system of material causes and effects, which cannot be influenced by anything from the outside." While this doctrine does not deny the existence of God, it certainly makes Him irrelevant. Science, therefore, becomes our only reliable path to knowledge. The issue as Johnson states it, is

> *…Whether this philosophical viewpoint is merely an understandable professional prejudice or whether it is the objectively valid way of understanding the world. That is the real issue behind the push to make naturalistic evolution a fundamental tenet of society, to which everyone must be converted.*

The consequence of this kind of thinking is that evolution is made the basis of ethical and religious statements, which is precisely what most evolutionists find repulsive about creation.

Darwinist Religion

A frequent refrain from evolutionists is that the evolution/creation debate is actually a collision between science and religion. If creationists would just realize their view is inherently religious and that evolution is the scientific view, then there would be little to disagree about. Evolution belongs in the science classrooms and creation belongs only in the philosophy and religion classrooms. What gets left behind in this discussion, either intentionally or unintentionally, are the very firm religious implications of atheistic naturalism with evolution as its foundation. We only need to look at a few sources to see the religious nature of evolution. The first source is the blatantly religious

statements of certain evolutionists themselves. Philip Johnson quotes the evolutionist William Provine as stating quite categorically that:

> • *Modern science, i.e., evolution, implies that there is no purpose, gods, or design in nature.*
> • *There are no absolute moral or ethical laws.*
> • *Heredity and environment determine all that man is.*
> • *When we die, we die, and that is all there is.*
> • *Evolution cannot produce a being that is truly free to make choices.*

Statements such as these make it quite clear: the belief that science and religion are different spheres of knowledge is complete nonsense.

A second source that establishes the religious nature of evolution is the attacks of evolutionists on the God of the Bible using evolutionary principles. In his chapter on natural selection, professor Johnson provides an example from evolutionist Douglas Futuyma. Futuyma states that a Creator would never create a bird such as the peacock, whose six feet of bulky feathers make it easy prey for leopards. (Johnson turns the tables, however, by asking why natural selection would favor a peahen that lusts after males with life-threatening decorations.) It has always amazed me that people who claim that there is no God sure seem to have an intimate knowledge of what He would be like if He did exist. At any rate, if evolution can be used to discredit certain notions about the character of God, then evolution is indeed making religious statements. A third indication of the religious nature of evolution is the knee-jerk reaction of the evolutionary establishment against any statement that even hints that evolution is a tentative theory. In 1984, a group of scientists who are Christians but who do not identify themselves with creation scientists published a booklet entitled *Teaching Science in a Climate of Controversy* and

mailed it to thousands of school teachers. The general idea of the booklet was to encourage open-mindedness on certain issues and controversies regarding evolution. Evolutionists quickly chided the publication as a clever disguise of creationism. To quote Johnson, "The pervasive message was that the ASA [American Scientific Affiliation] is a deceitful creationist front which disguises its Biblical literalist agenda under a pretense of scientific objectivity." In other words, anything that smells of God must be creationist and must be stamped out.

Darwinist Education

In the later chapters of Johnson's book, he analyzes the reaction of evolutionists to the challenges that have been leveled against them. It is here that he perhaps makes his greatest contribution. One of these reactions has been to wage what is essentially an evolutionary filibuster in educating the public about evolution. Johnson cites the experience of the British Museum of Natural History when it opened an exhibit on evolution in 1981. The exhibit presented Darwinian evolution as **one** idea and **one** possible explanation. Creation was cited as another view. This tentativeness was too much for some scientists to bear. A firestorm of criticism appeared in the British science journal *Nature*. Many were furious that the museum would actually go public with doubts about evolution, doubts that had previously been reserved for discussion among evolutionary scientists alone. The criticism was so severe that the museum eventually removed the exhibit and replaced it with a more "traditional" evolution exhibit. One of the Museum's top scientists, Colin Patterson, made a similar reversal concerning his view that he required faith in order to accept evolution. The criticism eventually convinced him to discontinue making these statements public.

In the United States, the Science Framework adopted by the state of California in 1989, which has a significant effect on

the content of science textbooks, contained this statement concerning evolution: “[Evolution] is an accepted scientific explanation and therefore no more controversial in scientific circles than the theories of gravitation and electron flow.” This assertion is nothing more than an appeal to authority and has nothing to do with legitimate scientific evidence. As a result of this statement, evolution is being included in science textbooks at increasingly lower grade levels. The purpose is clear: if students can be indoctrinated in evolution early enough and often enough, perhaps all this controversy can be avoided.

Conclusion

In summary, I have pointed out that many critical predictions of Darwinian evolution have not been fulfilled. As a result, naturalistic atheism, the underlying philosophy of much of the evolutionary establishment, has been threatened. The response of many evolutionists has been to issue increasingly dogmatic statements that appeal to authority, not to evidence, play semantic word games where evolution is called both a fact and a theory, and wage an educational filibuster aimed at squelching all dissent. The evolutionists are not likely to abandon these tactics anytime soon, but until they do, they can expect even more criticism from scholars such as Professor Philip Johnson.

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