

“When Does Human Life Begin?”

I am in an exchange of views with someone in regard to the question of when life begins. He is a very well read and educated person, however I cannot vouch for what or who he reads! According to him, “There is no hard line to draw where life of a human being begins. We only know that as soon as the sperm cell and egg fuse, the resulting cell bears the genetic and biochemical potential to become a new human person. Everything else is an opinion, not science, only God knows at what stage the life of a human person really begins.” What recommendations might you have in dealing with this discussionspurred by the stem cell research issue during the election.

Your friend is essentially correct from a scientific perspective, but what he cites is very important. Having the full genetic and biochemical potential to develop into a baby in nine months is the only certain point of demarcation. Anything else will be an arbitrary point chosen largely for convenience. So why not establish fertilization as the point at which human life ought to be protected?

U.S. law was originally quite clear that where there was doubt, err on the side of life. Now we choose to err on the side of death just so we can pursue the next series of experiments. Nobody wants to worry about what if we’re wrong? We just redefine life so we can proceed ahead. And those who think religious

perspectives should be
left out are fooling themselves. If scientifically we cant
make any other clear
point of reference then the point you do choose has been
chosen for reasons
other than science, which means personal values and beliefs.
This should be
a lesson that so-called personal values intersect with facts
all the time
and they truly cannot be separated.

Of course, biblically and theologically, the line of
demarcation is quite clear.

Beginning with Psalm 139:13-16,

*13 For You formed my inward parts; You wove me in my mother's
womb.*

*14 I will give thanks to You, for I am fearfully and
wonderfully made; Wonderful are Your works, And my soul knows
it very well.*

*15 My frame was not hidden from You, When I was made in
secret, And skillfully wrought in the depths of the earth;*

*16 Your eyes have seen my unformed substance; And in Your
book were all written The days that were ordained for me,
When as yet there was not one of them.*

followed by Isaiah 49:1,

*Listen to Me, O islands, And pay attention, you peoples from
afar. The LORD called Me from the womb; From the body of My
mother He named Me.*

Psalm 51:5,

*Behold, I was brought forth in iniquity, And in sin my mother
conceived me.*

and Jeremiah 1:5,

“Before I formed you in the womb I knew you, And before you were born I consecrated you; I have appointed you a prophet to the nations.”

The Scriptures clearly indicate that a person made in the image of God is present even before there is a biological manifestation of such.

I would basically tell your correspondent that he has helped make your case for protecting the earliest life. Fertilization is the only sure point of demarcation.

We were all once a blastocyst and even a fertilized egg. But none of us was ever just a sperm or egg cell.

Respectfully,

Ray Bohlin, Ph.D.

Probe Ministries

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Dr. Ray Bohlin Responds to Attacks on Intelligent Design

To the editor of *Newsweek*:

Jonathan Alter must have thoroughly enjoyed writing this incredibly polemical piece, taking full advantage of every stereotype, argument from authority, straw man, and

unsupported assertion his space would allow. He craftily gives credit to scientific sounding arguments against evolutionary theory while claiming they have all been discredited without mentioning the well-reasoned answers to these criticisms. As an example he cites Ken Miller's criticism of ID without mentioning that Miller himself has been respectfully answered, critiqued and refuted.

If simply rehashing the old science vs. religion argument is the best the media and the general science community can do, the battle is over. I have been making a scientific case against Darwinism and for Intelligent Design for over thirty years. As one credentialed in science, a Discovery Institute Fellow and one of the first 100 signers (now over 400) to their statement of scientific skepticism about Darwinism, I can tell you that our ranks are swelling and our case getting stronger all the time. Pieces like Alter's only show us and Newsweek's readers, the bankruptcy of the Darwinian paradigm.

Raymond G. Bohlin, Ph.D.
President, Probe Ministries

I would like to make some additional comments here.

1. Alter magically proclaims that "One of the reasons we have fewer science majors is the pernicious right-wing notion that conventional biology is vaguely atheistic." How does he know that? Of course he just states it as a bald assertion, expecting us to just believe it because he says so. His claim might be true, but he is clearly trying to blame doubts about evolution for the U.S.'s perceived sputtering in science. Need a whipping boy? Try "right-wing fundamentalists." Some will believe that every time.

2. He says that offering ID as "an alternative to evolution in ninth-grade biology is a cruel joke." Nowhere has anybody made such a request. Even in Dover, PA, the disclaimer by the school board simply offers ID as something students might

explore. It is not officially offered in the classroom as a competing theory. Discovery Institute itself maintains that ID is not ready for such treatment.

3. In the same paragraph, Alter says "ID walks like science and talks like science but, so far, performs in the lab worse than medieval alchemy." I guess that was supposed to sting. What Alter doesn't realize is that in molecular and cell biology, in particular, the language of design is everywhere in describing the workings of the incredible molecular machines inside the cell. They just claim that natural selection produced them with no real attempts to explain how. And as a mechanistic theory, evolution should be able to. So in reality, ID is used all the time in biological research, even by evolutionists, you just can't call it that if you want your work to be published.

4. Alter drags the ever present Kenneth Miller into his discussion. He mentions, parenthetically, that Miller attends Mass every week. So what? It's a double standard to allow Miller's attendance at church serve to further his credibility when my association with a Christian ministry has been used to discredit my testimony and somehow claim that my scientific reasoning is now suspect. Nobody ever mentions Miller's possible conflict of interest in his defense of evolution and criticism of ID. Kenneth Miller is coauthor of a well-known high school biology textbook that strongly promotes evolution as the grand unifying principle of biology. If evolution is dethroned, he loses money and his reputation. How come his reasoning isn't compromised?

5. Alter claims that science and religion are not at odds over evolution. Fine. But science is at odds with the Darwinian mechanism and there have always been doubts. As I said in my letter to the editor, the scientific case for ID only grows stronger and the debate is here to stay. Let them keep making the science vs. religion argument and the more thoughtful and reasonable among us will see through the smoke screen and will

give ID a chance. That's all we ask.

6. Alter makes it seem that the appeal to science standards and school boards is a last ditch effort when all else has failed. In reality, these are true grassroots efforts by people who have read the books and want the truth taught to their children. Many have been frustrated for years that their kids are exposed to an evolutionary filibuster in school and are encouraged that there is a growing scientific revolt in support of their concerns. The *Time* article mentions that 30% of surveyed biology teachers felt pressure to give evolution a short treatment by concerned parents. What about the greater than 50% of students (far more vulnerable to pressure than adult teachers) who have felt bullied by evolution for decades?

7. All this negative publicity is actually a good thing in the long run. As long as the silly arguments are answered, we gain new adherents with every wise-cracking, arrogant article. Why? Because reasonable people see through all the fuss eventually and realize that something funny is going on. After that they read Behe, Dembski, Meyer, Gonzalez, Richards, Nelson, Wells, Thaxton, Bradley, and other ID leaders and it all begins to come together. May our tribe increase!

See Also:

- [Mere Creation: Science, Faith and Intelligent Design](#)
- [Dr. Bill Dembski's response to Steven Pinker's Assault on ID in *Time* on his blog, "Uncommon Descent"](#)

“Is Faith Fact, or Are They Opposites?”

A fellow Christian friend and I recently got into a discussion over faith and facts, and I would like your opinion on the subject. It started by her asking me “Is faith fact?” Well I replied yes, because our faith is grounded in the fact of the resurrection, our faith has to be based on something true or our faith is in vain. She was arguing faith is not fact and it takes faith to believe in the resurrection in the first place and she said because we walk by faith not sight that facts are a “worldly” way of doing things. I feel the Bible teaches fact and reason as being viable and complimentary to faith. I would appreciate your biblical opinion on this subject.

Facts and faith are different things, and both are necessary. In Acts 17 and 1 Corinthians 15 Paul exhorts his readers and listeners toward an examination of the facts. Paul clearly believed that the facts of creation, Jesus’ life, death, and resurrection, made his case for the deity of Christ reasonable. Facts rarely prove a point but they do indicate its reasonableness. (That is why in a court room you are asked to convict beyond a “reasonable” doubt, they don’t say beyond any doubt). What matters in faith is the object of our faith. I can believe the sun will not rise tomorrow, but the facts argue that this is not a reasonable faith. The same is true of our faith in Christ. I cannot prove that he lived, died, and rose from the dead, but I can gather facts of history which make that conclusion not only reasonable, but I believe, compelling. Based on my faith in the reality and person of Jesus Christ, I also have faith in the truth of what he said about spiritual things and future events. There are few facts if any to back up his statements, only those which verify his person and events which are significant enough to believe whatever he said, but there are no specific facts to back up

his claim that He will come again.

I hope this helps.

Ray Bohlin

Probe Ministries

“I Need Help Figuring Out the Meaning of MY Life”

Jerry Solomon,

I read your essay entitled, “[What’s the Meaning of Life?](#)” and was encouraged. I see that you wrote the piece over five years ago; but of course the content is ageless.

If you have a few minutes, I’d like to share my story with you and perhaps solicit some advice from you.

I’m 43. I became a believer when I was 8. I’ve walked closely with Jesus for most of those years. I have a wife of 22 years and three fantastic teenage children. Vocationally, I’ve been [details edited out]. In addition to many other blessings, God has blessed us financially—so much so that the financial need to work has diminished, leaving me time (and emptiness) to consider “meaning” questions.

I ask God, “What’s next?” but I don’t seem to be getting throughor at least I don’t understand His answer(s). Most men (including my believing dad) are very uncomfortable talking to me about “meaning” questions. I sense that it’s scary for them to face such crucial issues head on. I’ve read *Purpose Driven Life* and am re-reading Piper’s *Desiring God*. *Purpose Driven*

Life was good; but it didn't offer me any new perspectives. Piper's book is challenging; but I'm not sure how to "activate" the whole idea of "enjoying God."

I'm taking a month off work to try to figure out what happens next. I would be honored if you would take time to comment or share spiritual insights you (or your staff) might have.

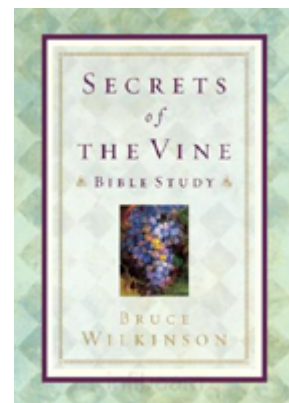
Dear _____,

Thank you for your comments and expression of gratitude upon reading Jerry's article. In a following paragraph to his article we explain that Jerry is no longer with Probe and that within 2 years of leaving Probe for an associate pastor's role in a local church, the Lord took him home after a 6 month battle with pancreatic cancer. I will respond to your query as best I can.

You are correct in your observation that many men are uncomfortable considering questions of meaning. Basically they are afraid of what they might discover and that their life has been focused on the wrong things. Who wants to discover that?! This is especially so for someone like your dad who is late in life with little time to correct his perspective.

You are also correct in your intuition that discovering life's meaning for you has to go beyond reading a book. *Purpose Driven Life* is great for those who have never even considered these things. But for those who have followed Him with some perseverance over many years will find the book a little stale and repetitive. It really is for baby Christians.

I would like to suggest a different book you can read in an hour or so but the application at the end could last several years. The book is Bruce Wilkinson's *Secrets of the Vine*. It's an exposition of John 15 that outlines four stages to a believers life: (1) little fruit, (2) no fruit due to discipline brought on by sin, (3) pruning to produce more fruit, and (4) full abiding. My suspicion is that you are desiring a fully abiding relationship with your Lord, and Wilkinson's description of his own crisis and his solution will be enlightening and empowering to you.



Unfortunately, in my experience, few Christians get to the place where full abiding is where they want to be. It scares them. It is a full relinquishing of ourselves to Him and Him alone. Abiding truly is just being with Him and not necessarily looking for more ways to serve, more things to accomplish. Abiding is getting to the point where we realize that if we simply pursue Jesus, all He wants from us will flow with almost no effort because we are yielded to Him.

This requires a sharpened sense of knowing His will. To do that one needs to spend time with Him, truly know Him. Wilkinson embarked on a journey of journaling his thoughts with the Lord. I am working on developing that skill. It's not easy for me, having grown up with a loving but non-communicative father. I'm still learning how to talk to my heavenly Father as a person and not some kind of heavenly czar.

I have led several groups of men through this book, and some get it and get it big. Most, however, are intrigued, enlightened, but non-committal.

Quite simply, yet frustratingly, the meaning of life is Jesus. "I am the way, the truth, and the life." Ultimately, knowing Him and pursuing Him is the only thing that can bring true

meaning, fulfillment, and joy in this life, no matter what we actually do, day in and day out.

Respectfully,

Ray Bohlin, PhD

Thank you very much for your very thoughtful response. I was very encouraged by your comments and felt like you really understand the struggle. Wow, what a breath of fresh air, that another brother understands. I look forward to getting and reading Bruce Wilkinson's *Secrets of the Vine*. Thank you for taking the time to respond.

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“Is There a Genetic Component to Homosexuality?”

Dear Dr. Bohlin,

I noticed that you have some background in genetics. I am writing an article involving homosexuality for my own website. Many homosexuals want to say they are “born” that way, or that God made them homosexual. However, the evidence so far is unconvincing.

I am a student of science and scientific knowledge and have some background in science as well. I believe that there may be a genetic component to what some homosexuals experience.

Also, I've been thinking that some homosexuals may have a genetic defect somewhere that we may discover. They may not want to hear or believe this, but I think it is a possibility.

They don't seem to realize that just because they may be "born" homosexual does not mean that they were meant to be homosexual. For example, some are born with sickle-cell anemia, but we know that this is due to a genetic defect and that this is abnormal for red blood cells. This is a problem that needs to be fixed. I think we may find in the genetic code a defect that leads some to homosexuality. I purposely used the word "some" in my statements because I think it is pretty well established by now that homosexuality is not a monolith and that some of them do choose this lifestyle deliberately. So what do you think?

No one has identified any gene that has been linked to homosexuality. Dean Hamer reportedly found a chromosomal region that was prevalent in male homosexuals but his work was unrepeatable and has been largely discarded.

It certainly is possible that there may be a gene or sets of genes that predispose someone to homosexuality. But you correctly surmise that this in no way would determine homosexual behavior. We all probably have genetic predispositions of one sort or another that make it easier for us to sin in some areas than in others. This could be similar to suspected predispositions for some to alcoholism (as found in some races and ethnic groups). This does not mean their alcoholism is excused or acceptable. The same would be true of any predisposition to homosexuality.

Keep in mind also that many who desire to leave the homosexual lifestyle can and do, and many have successfully worked to change their romantic and sexual attractions. If it were in any way genetically determined, this would not be possible. It would be like choosing to have genetically blue eyes and blonde hair (hair coloring and colored contact lenses aside).

Also, many in the gay community are distancing themselves from any genetic component to homosexuality because that would mean a genetic test could eventually be developed for it. They know

full well that many parents would likely choose to have any embryo/fetus testing positive for homosexuality to be aborted or simply not implanted in the case of IVF.

Respectfully,

Ray Bohlin, PhD
Probe Ministries

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“Why Would an E.T. Have to Have a Biology Like Ours?”

Love your ministry. Keep up the good work! Just a question on your article [UFOs and Alien Beings...](#)

You wrote:

In the first place, it is highly improbable that there is another planet in our cosmos capable of supporting physical life. Dr. Ross has calculated the probability of such a planet existing by natural processes alone as less than 1 in 10^{174} .

My question would be: Why would one assume that an E.T would have to have biological mechanism that functions as you and I? Is it possible they can have a body that is not limited or constrained to “our” conditions here on planet earth?

You asked a good and frequent question. Actually complex life would have to be of similar chemistry as us. It turns out that carbon is the only element capable of forming the diversity of

bonds and molecules that would allow life. Carbon can form bonds to four other atoms, including hydrogen, oxygen, and nitrogen as well as others. These bonds can serve as the basis for numerable molecules which life depends on. Since other life would necessarily be carbon based, there would also be requirements for water, oxygen, carbon dioxide, phosphorous, sulfur, etc. Eventually life's chemistry would be similar to our own and intelligent life would have to be similar to us.

Respectfully,

Ray Bohlin, Ph.D.
Probe Ministries

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“You are Full of Hatred and Bigotry”

I just read your article [Contact: A Eulogy for Carl Sagan](#). I hope you live to understand the hatred and bigotry you people spread and the millions of deaths that your kind of blind stupidity has caused. You live based on a political system used to control gullible people; that in itself is not wrong but please try to use the brain you have and think, just once in your life think.

Don't waste your life with a lie. The universe is a wonderful place, whatever you believe, being so large and wonderful, let's all think big and not insular and earth bound.

Good luck with seeing the truth and being honest with yourselves.

Sorry you had such a negative reaction to my article concerning Sagan and "Contact." You're certainly not the first to respond to me that way.

I certainly do think that the universe is a wonderful place. I simply believe I have a much better reason for thinking that way. The universe is wonderful because God created it that way and I can appreciate the beauty, wonder, and awe of what I see as a reflection of the Creator. Sagan, and I presume you, have no reason for awe and wonder. We're just cogs in a mechanistic universe that did not have us or anything else in mind. We just happened. When we die, we're dirt and our lives have had no real significance.

Sagan in his opening monologue to the *Cosmos* series claims "There is a catch in the voice and a tingle in the spine as we approach the grandest of mysteries." He is referring to the origin and nature of the universe. However, if it's just molecules colliding over time, what's to get excited about? I maintain Sagan is borrowing his awe and wonder from a Christian perspective. When I approach the origin and nature of the universe, I too get a catch in the voice and a tingle in the spine because I am approaching the Creator in all His majesty, wonder, complexity, and mystery. Now that is truly awesome.

Every worldview has had its moments of terror attributed to it. Materialists such as Lenin, Stalin, Hitler, Mao, and Pol Pot have put a dark stain on that worldview. On the other hand, the Christian West literally invented hospitals, orphanages, shelters for the poor and homeless, and relief aid around the world for centuries. Certainly Christianity has had its dark moments such as the Crusades and the Inquisition, to name just a few. However, I would argue that the perpetrators of those events were not consistent in their application of the Bible to their world, where the materialists listed above lived far more consistently within theirs in perpetrating their horrors.

So I agree that we all need to think more clearly and consistently.

Respectfully,

Ray Bohlin
Probe Ministries

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“Your Article on Rock Music is Biased and Unjust”

Dear Mr. Jerry Solomon,

I stumbled across [your page](#) when I was looking for a song on the internet, I thought what you noted was extremely biased and unjust. From what I picked up from your page you obviously have a concern for rock music, maybe this email is completely out of no where but I think you are being slightly over the top. I love rock music and I am a Christian, I go to church twice a week every week and my friends at my church love rock too.

Music is just a way of feeling less stressed for me and rock is just a way of getting everything out of my system when I am at home. I think that you should let your daughter decide what music she likes and no offence but I think that what religion she chooses should be up to her. Also many rock bands are Christian based and maybe you should have done a bit more research on “rock music” before you wrote your page for the whole world to see.

Please don't get me wrong I really don't want to appear rude I

just felt quite offended by what you said about the music I enjoy. Thank you very much for your time and would be interested to hear from you.

Dear _____,

Jerry Solomon went home to be with His Lord several years ago so I will answer your questions.

On the one hand I don't think you read Jerry's article very carefully. Jerry's only real problem with rock music was with the frequent anti-biblical message contained in some lyrics. As the quote below makes clear, he emphatically said that there is nothing "evil" in the music itself.

So rock music basically consists of certain instruments— such as guitars, keyboards, and percussion—a particular rhythm, and the human voice. And none of these is evil. People can be evil, and people abuse rock music, just as they abuse all parts of life. Our sin nature is actively involved in desecrating everything.

This desecration can best be seen in the lyrical content of the songs. We have come a long way from the inane "do-wa-diddies" of early rock history. It is at this point that those in the Christian community are challenged the most. The music alone may be of quality, but the message may be totally in opposition to a Christian worldview. A decision is required. Do I continue to listen, even though the message is awful? Or do I decide to reject it because of the message, even though I like the music?

Unfortunately, the well-worn statement, "I only listen to the beat!" is simply not true. If they are honest, most people who have heard a rock song several times can sing the lyrics upon request. When you consider the fact that most popular songs are heard dozens, if not hundreds, of times, it is not difficult to understand how the messages are embedded. The lyrics come through; we can't escape that. This does not

necessarily mean we always listen and think to the point of really considering what the messages have to say, and that is exactly part of the problem. The lyrics can be subtly incorporated into our thoughts simply because we haven't stopped long enough to sort them out.

Jerry was simply concerned about young people's willingness to listen without discerning the message they were pumping into their brain. I am 51 and still listen to some rock music from the 60s and 70s. But I listen selectively and know what the biblical messages are and what is clearly antithetical to what I believe. Jerry was simply appealing to others to do likewise.

I'm sorry you were offended but I simply think you misread Jerry's intent.

On one further note I would respectfully disagree with your statement that children should be free to choose their own religion. On the one hand, of course, children should choose for themselves, but that doesn't mean, on the other hand, that I leave them completely to their own search for meaning and truth. If I have found the Truth, why wouldn't I work to persuade them of that same Truth by taking them to church, providing a copy of the Scriptures for them to read, teaching them from the Scriptures at home, and living a holy life before them to deliberately try to influence them? Anything less is unloving and irresponsible.

Respectfully,

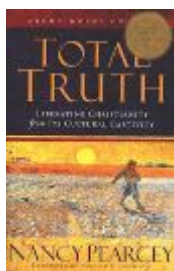
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Total Truth – The Importance of a Christian Worldview

Total Truth is a book about worldview, its place in every Christian's life, and its prominent role in determining our impact on a culture that has hooked itself to the runaway locomotive of materialism and is headed for the inevitable cliff of despair and destruction.

Liberating Christianity from Its Cultural Captivity



“This is a book of unusual importance by an author of unusual ability.”[\[1\]](#) This is a strong recommendation from any reviewer, but when the reviewer is best-selling author and Darwinian critic, Phillip Johnson, people pay attention. As well they should. Nancy Pearcey’s *Total Truth* is probably the most significant book of 2004. I pray its influence and impact will be felt for decades.

This is a book about worldview, its place in every Christian’s life, and its prominent role in determining our impact on a culture that has hooked itself to the runaway locomotive of materialism and is headed for the inevitable cliff of despair and destruction.

While the concept of worldview has wiggled its way into the consciousness of some in the Christian community, it remains largely a buzzword used in the context of political

discussions and fundraising for Christian parachurch organizations. But politics only reflects the culture, so working to change the political landscape without changing the way we think is not as productive as some thought it would be.

One of the extreme threats to Christianity in this country is the effect of the culture on our youth and, consequently, on the future of the church in America. Pearcey says, "As Christian parents, pastors, teachers, and youth group leaders, we constantly see young people pulled down by the undertow of powerful cultural trends. If all we give them is a 'heart' religion, it will not be strong enough to counter the lure of attractive but dangerous ideas.... Training young people to develop a Christian mind is no longer an option; it is part of their necessary survival equipment."[2](#)

Here at Probe Ministries we have recognized this threat for all of our thirty-two years of ministry. We continue the fight with our Mind Games conferences, Web site, and radio ministries. We address young people particularly in our week-long summer [Mind Games Camp](#). Students are exposed to the competing worldviews and challenged to think critically about their own faith, to be able to give a reason for the hope that they have with gentleness and respect.

In the rest of this article we will look at the four parts of Pearcey's *Total Truth*. In Part 1, she documents the attempts to restrict the influence of Christianity by instituting the current prisons of the split between sacred and secular, private and public, and fact and value. In Part 2 she deftly shows the importance of Creation to any worldview and summarizes the new findings of science which strongly support Intelligent Design. In Part 3, she peels back the shroud of history to discover how evangelicalism got itself into this mess. And in Part 4, she revisits Francis Schaeffer's admonition that the heart of worldview thinking lies in its personal application, putting all of life under the Lordship of Christ.

The Sacred/Secular Split

In the first part of the book, Pearcey explores what has become known as the sacred/secular split. That is to say that things of religion, or the sacred, have no intersection with the secular. Another way of putting it is to refer to the split as a private/public split. We all make personal choices in our lives, but these should remain private, such as our religious or moral choices. One should never allow personal or private choices to intersect with your public life. That would be shoving your religion down someone else's throat, as the popular saying goes.

One more phrase of expressing the same dichotomy is the fact/value split. We all have values that we are entitled to, but our values are personal and unverifiable choices among many options. These values should not try to intersect with the facts, that is, things everyone knows to be true. The creation/evolution discussion is a case in point. We are told repeatedly that evolution is science or fact and creation is based on a religious preference or value. The two cannot intersect.

The late Christopher Reeve made this split quite evident in a speech to a group of students at Yale University on the topic of embryonic stem cell research. He said, "When matters of public policy are debated, no religions should have a place at the table."[\[3\]](#) In other words keep your sacred, private values to yourself. In the public square, we can only discuss the facts in a secular context.

Far too many Christians have bought into this line of thinking or have been cowered into it. Pearcey tells of a man who was a deacon in his church, taught Sunday School, tithed generously and was looked upon as a model Christian. Yet his job at the law firm was to investigate the contracts with clients no longer wanted by the firm to see what loopholes were available to get them out of the contract. He saw no link between his

Christian faith and his work.{4}

We fall into these thinking traps because we don't understand worldviews in general and the Christian worldview in particular. Pearcey outlines a threefold test of any worldview to help get a grasp on what they mean for thought and life: Creation, Fall, and Redemption. Every worldview has some story of where everything came from – Creation. Then each worldview proceeds to tell us that something is wrong with human society – the Fall – and then each worldview offers a solution – Redemption. Using this tool you will be better able to diagnose a worldview and whether it speaks the truth.

The Importance of Beginnings

The second part of Pearcey's book discusses the vitally important controversy over evolution and how it is taught in our schools. There is a clear philosophical filibuster masquerading as science in classrooms around the country.

In the opening chapter of this section, she tells the all too familiar story of a religious young man who is confronted with evolution in the seventh grade. Seeing the immediate contradiction between this theory and the Bible, the young man receives no help from teachers or clergy. He is left thinking that his "faith" has no answers to his questions. By the time he finishes school in Harvard, he is a committed atheist.{5}

The same story is repeated thousands of times every year. The faith of many young people has been wrecked on the shoals of Darwinism. Whoever has the power to define the story of creation in a culture is the *de facto* priesthood and largely determines what the dominant worldview will be.

On *Probe* we have discussed the problems of evolution and the evidence for Intelligent Design numerous times. Now Pearcey makes the case that this is far more than a scientific discussion. It is at the heart of the culture war we are

immersed in. Darwinism has had a far reaching impact on American thought, and we need a better grasp of the issue to better fight the battle we are in.

To show the prevalence of naturalistic Darwinian thinking Pearcey quotes from a Berenstain Bears book on nature titled *The Bears Nature Guide*. "As the book opens, the Bear family invites us to go on a nature walk; after turning a few pages, we come to a two-page spread with a dazzling sunrise and the words spelled out in capital letters: Nature... is all that IS, or WAS, or EVER WILL BE." [\[6\]](#) Clearly this is presented as scientific fact and should not be doubted.

Pearcey guides the reader through a well presented description of the major problems with the evidence concerning Darwinism. But more importantly, she clearly shows that the problem is not just the evidence. Most Darwinists accept the meager evidence because their worldview demands it. Naturalism requires a naturalistic story of creation, and since they are convinced of naturalism, some form of evolution must be true. She quotes a Kansas State University professor as saying, "Even if all the data point to an intelligent designer, such an hypothesis is excluded from science because it is not naturalistic." [\[7\]](#)

Pearcey goes on to show that Darwinism has continued to progressively influence nearly all realms of intellectual endeavor. From biology to anthropology to ethics to law to philosophy to even theology, Darwinism shows its muscle. Darwinism is indeed a universal acid that systematically cuts through all branches of human thought. We ignore it at our peril.

How Did We Get in This Mess?

Nancy Pearcey titles the third section of her book, "How We Lost Our Minds." She begins with a typical story of conversion

from sin of a young man named Denzel. As Denzel seeks to grow and understand his newfound faith, he is stymied by leaders who can't answer his questions and is told to just have faith in the simple things.

When Denzel gets a job, he is confused by those from other religions and cults who all seem to have answers for people's questions. Only the Christians are unable to defend themselves from skeptics and believers of other stripes. Eventually he finds work at a Christian bookstore and finds the nectar he has been hungry for. But he had to look and look hard. Denzel has learned that many in the evangelical movement have a largely anti-intellectual bias.

Where did that come from? Today one can still hear preachers of various stripes make fun of those of higher learning whether philosophers, scientists, or even theologians. The root of this anti-intellectualism is found in the early days of our country. America was founded by idealists and individualists. Many had suffered religious persecution and were looking for someplace to practice their faith apart from ecclesiastical authority. The democratic ideals of the original colonies and the newly independent United States of America seemed like just the right place.

When the early American seminaries became infected with the theological liberalism spawned by the Enlightenment, many rebelled against any form of church hierarchy, believing it couldn't be trusted. With the opening of the great frontiers, great opportunities for evangelism sprouted at the same time. Out of this came the First Great Awakening. The early revivalists directed their message to individuals, exhorting them to make independent decisions, Jonathan Edwards being a notable exception. Emotional and experiential conversions brought bigger crowds. Some began to even see a formula that brought about large numbers of conversions.

There arose a suspicion that Christianity had become

hopelessly corrupted sometime after the apostolic age. The task at hand was to leapfrog back 1,800 years to restore the original purity of the church. Suddenly, the great works of Augustine, Aquinas, Luther, Calvin, and others were seen as unnecessary.[\[8\]](#) Evangelicals were cut off from their historical and theological roots. The evangelical movement as a whole became focused on rugged American self-interest and self-assertion, a strong principle of Darwinian naturalism.

This is still evident today in the prevalence of church-hoppers. Many view their church through an individualistic grid which says if the church leadership doesn't do things the way I would prefer and doesn't listen to me, I will take my family and go elsewhere.

The roots of anti-intellectualism run deep and find surprisingly fresh support from Darwinian naturalism. So how do we recover?

Living It Out

In the final chapter of *Total Truth*, Pearcey rings out a call to authenticity, not just with respect to the intellectual underpinnings of the Christian worldview, but also to how we live it out.

On the final page she cites a Zogby/Forbes poll that asked respondents what they would most like to be known for. Intelligence? Good looks? Sense of humor? Unexpectedly, fully one half of all respondents said they would most like to be known for being authentic.

Pearcey concludes: "In a world of spin and hype, the postmodern generation is searching desperately for something real and authentic. They will not take Christians seriously unless our churches and parachurch organizations demonstrate an authentic way of life – unless they are communities that exhibit the character of God in their relationships and mode

of living.”[\[9\]](#)

For most of the chapter Pearcey highlights examples of both sides of this call, people and ministries who claim Christ but use the world’s naturalistic methods, particularly in fundraising, marketing, and focusing on a personality rather than the message. She also points to people such as Richard Wurmbrand and Francis Schaeffer who lived out their Christian worldview without flashy results and hyped conferences and campaigns.

Most of us at Probe Ministries were heavily influenced by Francis Schaeffer, his ministry at L’Abri Switzerland, and his books. Many Christians whose youth spanned the turbulent ‘60s and ‘70s found Schaeffer a glowing beacon of truth and relevance in a world turned upside down by protests, drugs, war, crime, racism, and skepticism. Essentially, Schaeffer believed the gospel to be total truth. If that was the case, then living by a Christian worldview ought to be able to give real answers to real questions from real people.

We believe that what the postmodern world is searching for, what will most satisfy its craving for authenticity, is the person of Jesus Christ. They can only see Him in our lives and our answers to real questions. Our Web site at Probe.org is filled with the total truth of the Christian worldview. In our [“Answers to E-Mail” section](#) you can see authenticity lived out as we answer real questions and attacks with truth, respect, and gentleness.

We’re certainly not perfect. We have much to learn and correct as we search out the answers to today’s questions. We struggle with the funding and marketing of our ministry using methods that work but do not manipulate, coerce, or misrepresent who we are and what we do. Nancy Pearcey has challenged all of us in ministry, no less those of us at Probe Ministries, to always put Jesus first, people second, and ministry third.

Notes

1. Phillip Johnson, in the Foreword to Nancy Pearcey, *Total Truth: Liberating Christianity from Its Cultural Captivity* (Wheaton, Ill.: Crossway Books, 2004), 11.
2. Pearcey, 19.
3. Christopher Reeve quoted by Pearcey, 22.
4. Pearcey, 97-98.
5. Ibid., 153-154.
6. Ibid., 157.
7. Ibid, 168.
8. Ibid., 280-281.
9. Ibid., 378.

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Was Darwin Wrong? A Rebuttal to the November 2004 National Geographic Cover Story

Our authors examine arguments for evolution commonly brought out by evolutionists. They show these arguments are not as strong as they purport and in many instances make a stronger case for intelligent design. Every person, especially Christians, should be aware of the information presented in this article.

Over the last few decades more and more scientists from every field of discipline have voiced concerns with Darwinian evolution's ability to explain the origin and diversity of life on earth. However, you would not know that from reading a recent article in *National Geographic*. The cover of the

November 2004 issue grabs the reader's attention with the question, "Was Darwin wrong?" To few people's surprise, upon turning to the first page of the article you see the boldfaced words, "NO. The evidence for Evolution is overwhelming." But how can this be when so many scientists are in disagreement? Is it possible that the five lines of evidence presented in the article aren't as indisputable as the reader is led to believe? What if each one of these evidences for evolution is fatally flawed? What would evolution have left to stand upon? It is my opinion, as well as many others', that this is indeed the case. Let us critically evaluate each of these five lines of evidence (embryology, biogeography, morphology, paleontology, and bacterial resistance to antibiotics) and see what, if anything, we can conclude from them.

Embryology

First let's examine the so-called evidence from embryology, which Darwin himself considered to be "by far the strongest single class of facts in favor of" his theory.[{1}](#) *National Geographic* asks the question, "Why does the embryo of a mammal pass through stages resembling stages of the embryo of a reptile?"[{2}](#) This, however, is a loaded question.

This line of evidence presented by *National Geographic* is known as Embryonic Recapitulation, or in other words, as the embryo develops it passes through stages that retrace its evolutionary past. This idea was originally developed in the mid 1800's by Ernst Haeckel, which he illustrated with drawings of embryos of various species. However, as Jonathan Wells points out in his book *Icons of Evolution*, this has been known to be false for over 100 years! Not only were Haeckel's drawings fraudulent but the late Stephen J. Gould called them "the most famous fakes in biology." Furthermore, embryologist Walter Garstang also stated in 1922 that the various stages of embryo development of different species "afford not the slightest evidence" of similarities with other species

supposed to be their ancestors, stating that Haeckel's proposal is "demonstrably unsound."[\[3\]](#) In 1894 Adam Sedgwick wrote, "A species is distinct and distinguishable from its allies from the very earliest stages all through the development."[\[4\]](#)

So how is *National Geographic's* question, "Why does the embryo of a mammal pass through stages resembling stages of the embryo of a reptile?" a loaded question? Because mammalian embryos never pass through such stages in the first place! Darwin's "strongest" evidence for evolution turns out to be no evidence at all.

Biogeography

Biogeography, as defined by *National Geographic*, "is the study of geographical distribution of living creatures—that is, which species inhabit which parts of the planet and why."[\[5\]](#) *National Geographic* asks, "Why should [such similar] species inhabit neighboring patches of habitat?"[\[6\]](#) Why are there several different species of zebras found in Africa, or dozens of species of honey creepers in Hawaii, or thirteen species of finches in the Galapagos Islands? The answer given is that "similar species occur nearby in space because they have descended from common ancestors." There is nothing controversial about that. But I don't believe that this in anyway supports the kind of evolution that *National Geographic* is trying to promote. Allow me to explain by taking a closer look at the term "evolution."

There are two different kinds of "evolution" within the biological sciences. The first kind of evolution is *macroevolution*, or, big change over time. Macroevolution requires a vast amount of new genetic information and describes the kind of evolution required to make a man out of a microbe. It is this kind of evolution that is being propagated by *National Geographic*.

The second kind of evolution is *microevolution* which describes small changes or variations within a kind. For example, you may breed a pair of dogs and get another dog which is smaller than both its parents. You may then breed the new smaller dog and get an even smaller dog. However, there are limits to this kind of change.[\[7\]](#) No matter how often you repeat this procedure the dog will only get so small. It is also important to note that the offspring will always be a dog. You will never get a non-dog from a dog through this kind of change. Not to mention this kind of evolution tells us nothing about where the dog came from in the first place.

So what about *National Geographic's* examples? They are all examples of microevolution. Why, for example, are there several species of zebras in Africa? Because they had a common ancestor that probably lived in Africa—a zebra. Or why are there thirteen species of finch on the Galapagos Islands? Because they are all descended from a single pair or group of finches. To use this kind of observation and try to explain where a zebra or finch came from in the first place goes beyond the data and the scientific method, and enters into the realm of imagination.

Evolutionists are still puzzling over the connection between these two forms of evolution, macro and micro. Perhaps the puzzle remains because macroevolution is just wishful thinking.

Morphology

Morphology is a term referring to “a branch of biology that deals with the form and structure of animals and plants.”[\[8\]](#) It is presented by *National Geographic* as having been labeled by Darwin the “‘very soul of natural history.” So what is this evidence from morphology that lends itself as “proof” for microbes-to-man evolution? Simply put, it is that similarities in shape and design between different species may indicate that those species have originated from a common ancestor by

way of descent with modification. *National Geographic* gives a few examples such as the “five-digit skeletal structure of the vertebrate hand,” and “the paired bones of our lower legs” which are also seen “in cats and bats and porpoises and lizards and turtles.”[\[9\]](#)

Perhaps an easier to follow illustration concerning this is evolutionist Tim Berra’s famous illustration which he used in his book *Evolution and the Myth of Creationism*. In it he states the following:

If you look at a 1953 Corvette and compare it to the latest model, only the most general resemblances are evident, but if you compare a 1953 and a 1954 Corvette, side by side, then a 1954 and a 1955 model, and so on, the descent with modification is overwhelmingly obvious. This is what paleontologists do with fossils, and the evidence is so solid and comprehensive that it cannot be denied by reasonable people [emphasis in original].[\[10\]](#)

So why is this illustration famous? It’s because Berra, although an evolutionist, unwittingly demonstrated why similar structures across different species is just as naturally attributed to intelligent design. For what do each of these various Corvette models have in common? They were all designed and manufactured by the same company, General Motors. In fact, the Corvette has many design features in common with other automobiles as well, such as four wheels, a gasoline engine, brakes, a steering wheel, etc. Why do most cars share these things, and many others things, in common? Because they are effective and efficient features designed for the proper operation of the vehicle. Maybe this is the same reason we find commonalities between many different kinds of plants and animals.

It must be granted that if evolution were true, then one would expect to see similarities between closely related species.

However, as illustrated above, they could also be explained as the result of a common designer. So how can we tell which it is?

There are at least two ways. First, if similar structures did truly descend from a common ancestor, then those structures should have similar developmental pathways. In other words, they should develop in a similar manner while still in the embryonic stage. However, as early as the late 1800's scientists observed that this simply isn't the case. Embryologist Edmund Wilson in 1894 noted that structures which appear similar between adults of different species often differ greatly either in how they form or from where they form, or both.[\[11\]](#)

Secondly, if similar structures are the result of descent with modification, then you would expect the development of those structures to be governed by similar genes. Concerning this very point biologist Gavin de Beer said, "This is where the worst shock of all is encountered . . . the inheritance of homologous structures from a common ancestor . . . cannot be ascribed to identity of genes."[\[12\]](#) In other words, different genes govern the development of similar structures which runs contrary to what evolution would predict.

It would appear then, that morphology, the "'very' soul of natural history," is more the "ghost" of natural history than supporting evidence for evolution. There are certainly many features of organisms resulting from a common ancestry, such as the beak of the Galapagos finches; but that doesn't mean that the beaks of all birds are also related by common ancestry. Perhaps applying the perspective of Intelligent Design can help clarify the difference.

Paleontology

Paleontology simply put is the study of the fossil record. So how does the fossil record support the "theory" of evolution?

According to *National Geographic*, Darwin observed that species presumed to be related tend to be found in successive rock layers.[{13}](#) *National Geographic* asks if this is just coincidental. The answer provided, of course, is a firm no. Rather, they say, it is “because they are related through evolutionary descent.”[{14}](#) Is this conclusion truly supported by scientific observation?

The biggest problem with identifying a gradual change from one species into another within the fossil record is that by and large no such gradual sequence of fossils exists! With the exception of a few disputed examples, such as the horse and whale, what truly stands out in the fossil record is sudden appearance. The late Stephen J. Gould, a world renowned evolutionist, noted concerning this, “The extreme rarity of transitional forms in the fossil record persists as the trade secret of paleontology. 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 fossils.”[{15}](#) This is especially true within the Cambrian rock layer, dated by evolutionists at over 500 million years old, where complex species appear for the first time with no sign of gradual development from simpler forms.

To illustrate this point, imagine, if you will, that you covered the entire state of Texas with playing cards. If someone were to then go for a walk across Texas and periodically pick up a card at random, what might they begin to think if all they ever picked up were 2s and aces, and never any of the cards in between? He might begin to wonder if those other cards were there at all.

This is precisely what we find within the Cambrian rock layer. We always find fully formed species, like finding just 2s and aces, and never any intermediates, like your 3s, 4s, and so on. In fact, *National Geographic* even acknowledges this problem when it compares the fossil record in general to a film with 999 out of every 1,000 frames missing.[{16}](#) It's more

likely that there are few if any missing frames; rather those frames never existed in the first place.

Darwin himself, observing the lack of transitional forms within the fossil record, noted this problem to be “perhaps the most obvious and serious objection which can be urged against [his theory of evolution].”[\[17\]](#) Today, with nearly 150 years of advancements in the area of paleontology, the fossil record still fails to meet the expectation of Darwin’s theory. This problem goes unaddressed by *National Geographic*.

Bacterial Resistance to Antibiotics

National Geographic derives a fifth line of evidence from more recent scientific data. They state, “These new forms of knowledge overlap one another seamlessly and intersect with the older forms, strengthening the whole edifice, contributing further to the certainty that Darwin was right.”[\[18\]](#) Is this really the case? The most lauded of these “new forms of knowledge” is from the study of bacteria that acquire resistance to modern medicines. *National Geographic* states that “there’s no better or more immediate evidence supporting the Darwinian theory than this process of forced transformation among our inimical germs.”[\[19\]](#)

These adaptations are in fact evidence for change over time, but not the kind that would change a microbe into a man. Rather, all examples of bacterial resistance are that of micro-evolution, i.e. change *within* a kind. For example, a staph infection is caused by a bacterium known as a *Staphylococcus* or “staph” for short. Whenever a staph bacterium acquires resistance to a particular antibiotic, it still remains a staph. It doesn’t change into a different kind of bacterium altogether. In fact, no matter how much it changes, it always remains a staph.

Secondly, when we take a closer look at how bacteria become resistant to a particular treatment, we find something very

interesting. Just like in humans, information on how bacteria grow and survive is stored in the bacteria's DNA. Therefore, if any change is to take place to turn an organism from one kind to another "more complex" kind, such as a microbe into a man, it must add new information to that organism's DNA. However, that is not what we observe taking place in bacteria at all. New information is *never* created. Existing information may be modified, lost, or even exchanged between bacteria, but never created.

Thirdly, and perhaps most significantly, is that nothing which *National Geographic* presents even begins to explain where the information to make a bacterium came from in the first place. Rather, and to no surprise to the creationists, the study of bacterial resistance testifies to an intelligent Designer who created all living organisms with an ability to adapt to changing environments.

Conclusion

Modern science has indeed offered us great insight into the complexities of life and the inner workings of all living things. Advances in population genetics, biochemistry, molecular biology, and the human genome will surely result in greater understanding of life on our planet. But unlike what *National Geographic* suggests, it is these advances which have served to convince an increasing number of scientists to abandon Darwin's theory as an explanation for the origin of life on earth. Rather, these advancements point to the necessity of intelligent design as an added tool in the toolbox.

Notes

1. Jonathan Wells, *Icons of Evolution* (Washington, DC: Regnery Pub., 2000), 82.
2. David Quammen, "Was Darwin Wrong?," *National Geographic* November, 2004: 13.

3. Wells, 88.
4. Ibid., 97.
5. Quammen, "Was Darwin Wrong?," 9.
6. Ibid., 12.
7. Lester, Lane P., Raymond G. Bohlin, and V. Elving Anderson, *The Natural Limits to Biological Change* (Dallas: Probe Books : Distributed by Word Pub., 1989).
8. Merriam-Webster Inc., *Merriam-Webster's Collegiate Dictionary*, 10th ed. (Springfield, Mass: Merriam-Webster, 1996).
9. Quammen, "Was Darwin Wrong?," 13.
10. Tim Berra, *Evolution and the Myth of Creationism* (Stanford, Calif.: Stanford University Press, 1990), 117.
11. Edmund B. Wilson, "The Embryological Criterion of Homology," pp.101-124 in *Biological Lectures Delivered at the Marine Biological Laboratory of Wood's Hole in the Summer Session of 1894* (Boston: Ginn & Company, 1895), p. 107.
12. Wells, *Icons of Evolution*, 73.
13. Quammen, "Was Darwin Wrong?," 12.
14. Ibid., 13.
15. Stephen J. Gould, "Evolution's Erratic Pace," *Natural History* 85(5).
16. Quammen, "Was Darwin Wrong?," 25.
17. Charles Darwin, *On the Origin of Species by Means of Natural Selection* (New York, New York: The New American Library of World Literature, Inc., 1958), 287.
18. Quammen, "Was Darwin Wrong?," 20.
19. Ibid., 21.