Hope in the Midst of the Growing Malaria Pandemic

The Growing Scourge of Malaria

We don't know much about malaria in the United States anymore. The disease was once prevalent in the Southern States as far north as Washington D.C. George Washington suffered from malaria as did Abraham Lincoln. A million casualties in the Civil War are attributed to malaria. But malaria was eradicated in the U.S. and much of Europe by 1950 with the use of pesticides, eliminating the sole transmitting agent of the malarial parasite, Anopheles mosquitoes.{1}

Malaria not only continues elsewhere but is a growing threat in the tropics around the world and especially in Sub-Saharan Africa. Half the world's population is at risk for malaria with some estimates as high as 500 million cases every year and over 2 million deaths. Most of those deaths are in Sub-Saharan Africa, and over half of them are of children under five years of age. In some parts of Zambia there are over thirteen hundred cases of malaria for every thousand children under five. That means some children are infected more than once per year.

The economic effects are just as severe. Malaria drains the Indian economy of nearly $800 million each year due to lost wages from death, absences, fatigue and money spent on insecticides, medicines, and research. Uganda spends over $350 million annually on malaria control, and forty percent of their health care dollars are spent on treating malaria. Still eighty thousand die every year.

The disease begins with a painless bite of the female Anopheles mosquito that needs blood to feed her eggs every

three days. To prevent coagulation of her victim's blood she injects a little saliva which also may contain only a couple dozen one-celled organisms of the genus *Plasmodium*, the human malarial parasite. These make their way to liver cells where they multiply by the tens of thousands. After several days these liver cells rupture, releasing the parasite into the blood stream. The new parasites infect red blood cells and multiply again by the tens of thousands. Still the victim is unaware anything is wrong.

Once the parasites have consumed the red blood cells from the inside out, they rupture the cells and tens of millions of parasites are loose inside the blood. The first immune response begins, and muscle and joint aches are the first sign something is wrong. But the parasites infect new red blood cells within thirty seconds of release and hide from the body's defenses for two more days. When the next wave of parasites release, the immune system can be overwhelmed. Fever, cold sweats, and chills ensue and the fight is on. At this stage if an uninfected mosquito bites the sufferer, she will ingest a new form of the parasite and the cycle begins anew.

We need to get this scourge under control.

New Hope with DDT

As noted previously, malaria was prevalent in the U.S. until the late 1940s. We rid ourselves of this scourge through the use of the "miracle" pesticide DDT (dichloro-diphenyl-trichloroethane). Malaria was eliminated in Europe and North America by eliminating the species of mosquito that carried the disease-causing parasite.

DDT was used during WWII essentially as a secret weapon against malaria in the Pacific war. Not only were American bases sprayed with DDT to rid them of malaria carrying

mosquitoes, but freed prisoners of war were dusted with DDT powder to rid them of insect parasites. DDT was used to great effect and was deemed entirely safe to humans.

After WWII, Europe and America began applying DDT to their malarial and agricultural problems in mammoth proportions. Malaria was eliminated in Europe and the U.S. in a few years. Greece reportedly eradicated malaria within one year. Sri Lanka used DDT from 1946 to 1964 and malaria cases were reduced from over three million to twenty-nine.{2}

Recent studies have shown repeatedly that DDT causes no harmful effects to human health, and when used as currently prescribed there is little possibility of harm to the environment.{3} In South Africa, Sri Lanka, Mozambique and other nations, DDT has been extremely effective in reducing the rates of malaria, as much as an eighty percent reduction in one year.{4}

DDT is not sprayed out in the natural environment but on the walls of homes and huts. This use repels Anopheles mosquitoes, agitates those that do enter the home so they don't bite, and kills only those that actually land on the wall. Since most mosquitoes are not killed, just repelled, little opportunity exists for resistance to DDT to build up. Even mosquitoes that are known to be resistant to DDT are still repelled by it.

South African Richard Tren, president of Africa Fighting Malaria, says that "In the 60 years since DDT was first introduced, not a single scientific paper has been able to replicate even one case of actual human harm from its use."{5}

The World Health Organization in 1979 deemed DDT the safest pesticide available for mosquito control, and estimates from reputable scientists indicate DDT has been responsible for saving up to 500 hundred million lives.{6}

DDT is effective, cheap, long lasting, and safe. By itself, DDT is not a magic bullet, but it's pretty close. Certainly

more aggressive use of bed nets and newer drug treatments for those already infected still need to be used, but without DDT, these are only putting band aids on inches-deep open wounds. But some third world countries still do not know about DDT or are afraid to use it.

The Objections of the Environmentalists

For some, the reemergence of the pesticide DDT in the escalating fight against malaria raises concerns as it did for me since we are aware of the troubles allegedly caused by DDT for birds, particularly hawks and eagles in the ‘60s and ‘70s.

When the U.S. eradicated malaria, DDT was almost too effective and too cheap. Agricultural use was stepped up, and since DDT is a long-lasting chemical, it built up in the environment and in the food chain. Fish particularly began harboring large amounts of DDT in their tissues and Bald Eagles, which feed on fish, began a build-up of the chemical in their tissues as well. Eventually, Rachel Carson’s 1962 book, *Silent Spring*, blamed the declining numbers of Bald Eagles on the use of DDT. By 1972, the U.S. Environmental Protection Agency had banned the use of DDT in the U.S. despite mountains of evidence that this ban was unwarranted.

Bald Eagle numbers were plummeting before the use of DDT, and were recovering before the chemical was banned.{7} Specific tests done with numerous birds found no correlation between thinning egg shells and DDT. But the damage was done. The U.S. and European nations banned DDT and expected other countries to do the same. Both governments and non-governmental organizations (NGOs) began rejecting goods from other countries that used DDT.

When Sri Lanka and South Africa stopped use of DDT, malaria rates soared.

The indoor residual spraying method offers no risk to humans

or to the environment, yet environmental groups still resist its use. “If we don’t use DDT, the results will be measured in loss of life,” says David Nabarro, director of Roll Back Malaria. “The cost of the alternatives tend to run six times that of DDT.”{8}

But this truth seems to be lost on many activists and aid agencies. The human toll of malaria worldwide is far more important than imagined environmental risks and discredited scare campaigns. International aid agencies need to free up important aid dollars to secure DDT for countries whose people can’t afford the latest malaria medicines and whose government’s health budgets are stretched to the breaking point simply taking care of already sick patients.

Obviously there is something more going on than just unrealistic objections to a particular chemical. DDT is environmentally safe, without risk to human health, extremely effective and incredibly cheap.{9} The environmentalist worldview comes clearly into focus, even though their policies mean death and disease throughout over one hundred countries where malaria is endemic.

“Sustainable Development” Keeps Billions in Poverty, Disease and Malnutrition

DDT was unfairly criticized and banned in 1972 in the U.S. and eventually around the world despite clear evidence to the contrary. Places where malaria had been nearly eradicated, such as Sri Lanka, saw an immediate surge in malaria after its use was discontinued. But even now as the scientific credibility of DDT has been restored, many continue to fight its use.

Environmentalists and officials at the World Health Organization seek to reverse recent decisions to rehabilitate DDT and begin its effective use in malaria stricken countries.

But why? If DDT is so effective, safe, and inexpensive, why would some continue to fight its use? The answer is bigger than just misinformation or stubborn adherence to worn out doctrines.

In his book *Eco-Imperialism: Green Power, Black Death*, Paul Driessen exposes an intricate web of conspiracy to keep third world countries energy deficient, disease plagued, chronically poor, and malnourished, all in the name of "sustainable development." The bottom line is that sustainable development means that, if there is any supposed or imagined risk to the environment, then economic development must be curtailed to insure that whatever development occurs is sustainable by the environment with no risk at all.

Therefore, drugs like DDT for malaria control, fossil fuel-burning power plants, and even dams providing irrigation, safe drinking water, and cheap electrical power are resisted by powerful and well-funded environmentalist groups.

The Narmada dam project was killed in India by environmentalist groups concerned by a particular fish species that might be threatened. They persuaded international lending agencies to withdraw their support. Local residents were incensed. The project would have provided low cost electricity, sewage treatment plants, irrigation and clean water for 35 million people. People displaced were to be given new homes and farmland. But when a tiger and wildlife preserve was formed, displaced peoples were given no place to go and threatened with extreme measures if they returned.{10}

But why would seemingly well intentioned people appear to be so harsh and cruel to people simply wanting a better life? At the heart of this problem is a foundational worldview issue.

The Difference a Worldview Makes

It's alarming to see how frequently environmental groups will deliberately distort the truth and outright lie to achieve their ends. They have been caught many times, but are never held accountable.

In 1995, Shell Oil was announcing plans to sink one of its offshore oil rigs in the Atlantic with a permit from the UK Environment Ministry. Greenpeace, an international environmentalist group, launched a $2 million public relations campaign that accused Shell of planning to dump oil, toxic wastes, and radioactive material into the ocean. Shell eventually backed off and spent a fortune to dismantle the platform onshore.

A year later, Greenpeace actually published a written apology, effectively admitting the entire campaign had been a fraud. There were no oil or toxic wastes, and the admission was buried with small headlines in the business page or obituaries.{11}

The Alar apple scare of 1989 has been exposed as a gross misuse of science that ended up bringing in millions of dollars to the National Resource Defense Council that orchestrated the campaign. Never mind that grocers, apple growers, and UniRoyal lost millions of dollars as well as the use of Alar, an important cost-saving and harmless chemical.{12}

But why such fraud and misinformation in the name of a safe environment? My analysis indicates a clear difference in worldview. Many of the leaders in the environmental movement are operating under the banner of a naturalistic worldview. In that context, nature as a whole takes precedence over people. Anything that they perceive as even potentially causing harm should be avoided. Nature must be preserved as it is.

Invariably, the one species asked to make sacrifices is always human beings. This is clearly reflected in third world countries struggling to overcome the crippling effects of poverty and disease. Rather than develop cheap electricity through fossil fuel power plants, millions are forced to burn dung and local wood products, causing large increases in toxic fumes and other indoor pollutants.

Nearly a billion people worldwide suffer from increased incidence of asthma, pneumonia, tuberculosis, lung cancer, and other respiratory diseases linked to indoor pollution caused by burning raw biomass fuels to heat their homes and cook their food.{13}

As Christians, we recognize that people are made in the image and likeness of God. While we are always responsible for carrying out our responsibility to rule and have dominion over God's creation, a larger, primary concern is to look after human needs and relieve human suffering. Let's start allowing people the right to make their own decisions concerning electricity and malaria with our advice and not unreasonable pressure.

Notes

1. Michael Finkel, "Malaria: stopping a global killer," *National Geographic*, July 2007, 46.
2. Richard Tren and Roger Bate, *Malaria and the DDT Story* (London, UK: Institute of Economic Affairs, 2001), 35-37.
3. Tren and Bate, 45-47.
4. Paul Driessen, *Eco-Imperialism: Green Power, Black Death* (Bellevue, Washington: Free Enterprise Press, 67.
5. Richard Tren, quoted by Driesen, *Eco-Imperialism*, 69.
6. Driessen, *Eco-Imperialism*, 69.
7. J. Gordon Edwards and Steven Milloy, 100 things you should know about DDT, www.junkscience.com/ddtfaq.html (accessed on Jan 10, 2008).
8. David Nabarro, quoted by Driessen, *Eco-Imperialism*, 70.

9 . Interactive presentation on DDT and malaria, Africa Fighting Malaria, www.fightingmalaria.org/ddt-interactive.aspx, accessed on March 3, 2008.
10. Driessen, *Eco-Imperialism*, 39-40.
11. Ibid., 25.
12. Michael Fumento, The anatomy of a public scare, www.fumento.com/ibdalar.html. Accessed on March 3, 2008. Also see Michael Fumento, *Science Under Siege* (New York: William Morrow and Co., 1993), 19-42.
13. Driessen, *Eco-Imperialism,* 38-39.

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What's Happening to Our Youth? – Christians Should Be Concerned

You've probably heard for some time that the youth from our churches have been having a tough time when they make the transition from high school to adulthood, whether that is to college, the workforce or the military. Josh McDowell addressed this in his latest book, *The Last Christian Generation*, where he documented that research indicates that anywhere from 69 to 94 percent of our youth are leaving the church after high school. And few are returning.

Other organizations suggest the figure is between 55 and 88 percent. Either way, the picture isn't good. Our youth are in trouble and we need a vigorous and coordinated response. Recently I attended a meeting of national youth and college ministry leaders to help forge a response to this growing problem. Hosted by the folks at Youth Transition Network, YTN,

(www.youthtransitionnetwork.org) some troubling observations emerged.

Many in our youth culture are living double lives. One life is meant to be invisible at church (they know the right behaviors and speak "Christianese" to pass as good kids). In the other life they follow worldly pursuits in secret, away from parents and church leaders among friends who accept them as they are. This is motivated by what YTN director Jeff Schadt calls a triangle of discouragement (see: www.liveabove.com/NewsReadyText.aspx?thispage=1)

One leg of the triangle is the burdensome sense of guilt over their moral failures coupled with a sense of isolation. They don't feel free to talk with anyone about their guilt. Basically they feel like a spiritual failure.

The second leg of the triangle involves what they feel is a disconnect between a gospel of grace and expectations of perfection from parents and church leaders. They're not smart enough, spiritual enough, attractive enough, etc. They just don't feel like they measure up.

The third leg brings all this together in an overall sense of not feeling trusted, believed in or accepted, warts and all. Thats a pretty nasty triumvirate.

Add to this the fact that 93% of graduating high school seniors can't name even one college ministry. Therefore, they mistrust what they don't know and fail to get connected. Most college freshman also feel unprepared for the level of freedom college affords and are frequently overwhelmed by the level and difficulty of work the university expects.

As Josh McDowell also points out, the majority of our graduating youth don't believe Jesus is the one true Son of God, don't believe Jesus rose from the dead, don't believe in Satan and don't believe the Holy Spirit is real.

I learned a lot at this meeting. What struck me the most was the universal reaction from both high school youth leaders and college ministers. They all admitted that the problem was not new, but that they didn't realize how large and universal it was. One college worker asked Jeff Schadt if any of the 800 students he interviewed said anything about being motivated by love. Without hesitation, he said "No!" This only increased my resolve for Probe Ministries to be a part of the solution and not part of the problem. Our week-long Mind Games Conference will continue to prepare high school juniors and seniors for the challenge of college—but with a greater emphasis on the available resources and an even bigger helping of trust, acceptance and love.

Check out these additional resources for more information and help in making this critical transition easier and more fruitful:

• www.youthtransitionnetwork.org: Official site for Youth Transition Network.

• www.liveabove.com offers resources for youth leaders to help their students make the transition and offers help for students in locating a campus ministry and even a Christian roommate.

• college101seminars.com offers informational programs for churches and secular institutions on helping their students make a profitable transition.

• Conversations CDthis information page introduces a tool designed to help navigate the pitfalls of higher learning, construct a biblical worldview, answer life's toughest questions and make great grades. The well-done sections on making better grades hosted by Dr. Walter Bradley are worth their weight in gold.

• www.boundless.org/college contains links for articles designed to help Christians survive and thrive in college (and

beyond). “Ask Theophilus” is particularly helpful.

• TrueU.org is a general site for students of faith.

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“Would Clones Have Souls?”

If we were ever able to clone humans, would they have souls?

This is a common and important question. The tough part is that we don’t know for certain the origin of individual souls. One view in theology is a creationist view that supposes that God individually creates each new soul some time after fertilization or perhaps even just before fertilization (Jeremiah 1:5). Another view suggests that something in the union of sperm and egg contributes to the origin of the soul. However the Bible does not give us direct testimony one way or the other. We do know that identical twins form when the early embryo—in the 2–8 cell stage—somehow divides completely in two. If sperm and egg were necessary for each individual, then only one person from an identical twin pair would have a soul and the other would be soulless. I think we can all agree that that doesn’t make sense. So I assume a clone would have a soul since it is a form of technological twinning.

I hope that helps. An interesting question to ask is, What if clones did not have souls and were biologically viable? You would face the possibility of having a *homo sapiens* standing in front of you with no soul. If so, how would you know they *didn’t* have a soul? The question is not as easy to answer as you might expect.

Respectfully,

Ray Bohlin, Ph.D.

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"In Redeeming Darwin Are You Saying God Used Evolution?"

I read the description of "Redeeming Darwin" and an email supposedly explaining what you mean by "redeeming Darwin." Neither explain exactly what you do in this program; are you saying that God used evolution? If so, I find this extremely unbiblical. Or are you saying that Darwinism as it now stands ("molecules-to-man" – i.e., macro-evolution) is true but that it can somehow be used to evangelize? Or are you saying that Darwinism as I described above is NOT valid, but that an actual 6-day Creation by God is what IS true?

I apologize that our description is not clearer. We will take another look at it to see what we can do to increase the clarity.

At Probe Ministries we reject the Darwinian evolutionary mechanism proposed for the origin and diversity of life. The *Redeeming Darwin* curriculum explains a few of the problems with Darwinism and explores the alternative provided by the relatively new Intelligent Design Movement.

Since Intelligent Design principles are used by both young and old earth creationist perspectives we use scientists in the film from both ICR (John Morris) and Reasons to Believe (Fuz Rana) to explain what they like and don't like about ID.

As a ministry we do not take a position on the age of the earth question.

Respectfully,

Ray Bohlin, PhD

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“What About the Water Vapor Canopy Hypothesis?”

You say that the literal translation makes the most sense, yet you say that there are things about it that make no sense. Well here is my suggestion. I am a literalist… I believe what the Bible says about creation – literal. 6 days. But read your Bible about the creation of the “sky.” God separated the waters from the waters. It doesn’t say that he created mists, or clouds from the waters to make up the sky… it says he separated the water from the water. In fact, wind, rain, and rainbows are not mentioned anywhere in the Bible until the flood… so what if the atmosphere was different in the original times? What if there was literally a solid water “layer” above the sky…. this would create an atmosphere like a green-house effect on earth… therefore totally changing the oxygen and most importantly CARBON levels in the air… which would totally ruin all “carbon-dating” tests prior to the flood… which would then in effect also explain why people lived longer prior to the flood. Not only were we closer to perfection then… but there was probably better levels of oxygen in the air… and oxygen is known to have healing properties (especially O_3). Just a thought to consider…

Thank you for reading and writing.

I am very familiar with the Canopy Hypothesis you describe. I

even accepted and taught it for several years. While definitely still around, it has fallen into disfavor in many creationist circles for two primary reasons.

The first is biblical. The description of Day Two in Genesis describes the separation of the waters and that God placed an expanse in the midst of the waters. This has usually been interpreted as the atmosphere. However, on Day Four, God places the sun, moon, and stars in this same expanse.

The second involves the inherent instability of any water vapor canopy above the earth's atmosphere. So far calculations show that it would require a miracle of constant intervention to keep it in place until the flood. There is also a difficult problem with the condensation of the canopy into water droplets to fall as rain for forty days and nights. This would release a tremendous amount of heat that would cause additional problems.

Hope this helps.

Respectfully,

Ray Bohlin

"Why Are Dating Methods Unreliable?"

I'm a Christian who believes in a six day literal creation and I have been looking at lots of material on the Grand Canyon to see if it can shed any light on how it was formed and how old it is, and in my search I come across your report which to me seems a very honest and an unbiased report.

Could you help me by telling why dating methods of rocks are unreliable and sometimes come into contradiction? As since I have been doing my own research into how old some things are, I keep getting different answers from different scientists, whether they be young earth or old earth scientists.

Also, I have been informed that only a geologist with a Ph.D can tell the age of rocks and no one else in any other field; is this true?

Your confusion is reasonable. There are many conflicting messages on this topic from people who ought to know what they are talking about. This is one of the reasons why I am undecided about the age question. I simply am unable to discern the reason for these conflicting views. Is it because of prior assumptions? Is it because of truly conflicting data? Is it because of incomplete knowledge of the facts? Is it because of a deep-seated prejudice against a particular position? As a biologist, I find myself unable to follow the technical critiques that go back and forth and so I am unable to truly answer the above questions for myself.

The conflicting age estimates can be due to a number of problems. The dating methods themselves can be unsound, based on faulty presuppositions (the position of young earth creationists). They can be due to local anomalous conditions that do not apply to most great age estimates (position of most old age creationists and evolutionists). Old earth creationists maintain that the preponderance of the evidence should hold sway over the few exceptions that young earth creationists have found. Yet some young age research is being submitted to the scientific community for scrutiny and is holding up well. But is it a local exception or something more significant?

Your last statement about only geologists being able to tell the age of something should be treated suspiciously. While it is reasonable to say that they have a better grasp of the

details of geological dating methods, it is also an unveiled appeal to authority: “Only I know what I am talking about therefore you should trust me and me only.” Scientists shouldn’t communicate this way. Science has always been marked by humility before nature and openness to new information and theories. This view is not very open. It sounds like they have something to hide.

ICR has come up with some new data on dating methods and some of the information is online at http://www.icr.org/research/. Articles 3-10 in the first list all relate to your concern. These papers were all presented at the 2003 International Conference on Creationism here in the US. They might help to clarify some things for you.

Respectfully,

Ray Bohlin, Ph.D.
Probe Ministries

“Can You Rebut the Google Video ‘Zeitgeist’?”

Please have someone watch the Google video “Zeitgeist” (http://video.google.com/videoplay?docid=5547481422995115331) and provide an answer to this. If you have any energy to do this, you will be activating it from a deeper source. Please. Someone tell me why I should believe—or you for that matter!

I just finished watching the movie as you requested of someone at Probe Ministries.

I took several pages of notes but eventually stopped because the information and misstatements flowed much too rapidly. I

stopped about 2/3 of the way through. But I watched till the bitter end.

Let's start with the attack on Christianity. A quick Google search of Horus, the Egyptian Sun god whom Jesus and almost all other "savior" types are supposedly modeled after, is misrepresented in the film. He was the Falcon god and only later became known as the Sun god. [http://www.touregypt.net/featurestories/horus.htm] Nothing is said about being born on Dec 25th or having twelve disciples, or being born of a virgin, or dying and being raised three days later.

Sirius has never been known as the supposed star of Bethlehem, another astrological reference touted in the film. They also mention that somehow the Southern Cross constellation played a role in identifying the time of Jesus' birth. That's impossible since the Southern Cross is only visible in the Southern Hemisphere. Israel is simply not far enough south to ever have The Southern Cross visible. I have seen it once, from the Equator off the Galapagos Islands.

They summarily dismiss the testimony of Roman historians Tacitus and Pliny the Younger who only speak of the Christ, not Jesus. They also show a quick list (where is that from?) of numerous 1st century historians who say nothing about him. Well, of course! Christianity was barely on anybody's radar screen in that first century. Nero just found them a convenient scapegoat for the burning of Rome precisely because there were so few and hardly anybody knew much about them. Josephus is a reliable historian in just about everything he writes about 1st century Judaism. The forgery spoken of is known, but it is a forgery of added phrases in a reliable entry about Jesus. What was added was Josephus' claims that this Jesus was the Christ, the Messiah. Other entries about Jesus say nothing about that. Also the film ignored the entries in the Jewish Talmud about Jesus from their perspective. Even critical historians today DO NOT dispute

that there was a real man Jesus of Nazareth who his followers claimed was the Messiah.

The 9/11 conspiracy talk is also out of line. For online versions of a *Popular Mechanics* article debunking many of the conspiracy myths of 9/11 see:

Debunking 9/11 Myths: About the Airplanes

Debunking the Myths About the 9/11 Attack on the Pentagon

Debunking the 9/11 Myths: Special Report – The World Trade Center

These *Popular Mechanics* editors consulted scientists, engineers, and other experts. They are neutral. Their list of experts is impressive. You'll find evidence against conspiracy contentions about the collapse of the towers, what hit the Pentagon, and why fighters did not shoot them down.

You can also check this out: www.minutemanreview.com/9-11-myths-debunked/.

I have no doubt there is a conspiracy, but it's a satanic conspiracy that is millennia old. These types of films–"Loose Change" is another older 9/11 conspiracy film–prey on fear and paranoia. There is much more that could be said about all their claims but I just don't have the time right now.

Friend, the Gospels are reliable: Jesus is the incarnate God who died for our sins and rose on the third day. Astrology is forbidden in the Bible, it's not founded on it. If you have a copy, read Lee Strobel's *The Case for Christ*.

Respectfully,

Ray Bohlin, Ph.D.
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“Should a Single Christian Woman Use In Vitro Fertilization?”

We have an unmarried, believing woman in our church who is considering in vitro fertilization. I believe this is against God’s intent for marriage and the family according to Genesis 2:21-25, and also Paul’s teaching about marriage in Ephesians 5:18ff. Your input with other Scriptures and your ideas would be much appreciated. Perhaps you can suggest a good book or pamphlet on this subject that we could give this woman who seems intent on her mission.

I am in full agreement with your reasoning.

In your discussion of Genesis 2 may I suggest including that the notion of the two becoming one flesh certainly includes the production of children that are a clear expression of this principle. From two people has come one person or one (new) flesh. While the children of single parents are to be honored and supported in our culture once they are conceived, it is certainly not a part of God’s initial plan. To deliberately plan on being a single parent from the beginning implies selfish motives. The child is a commodity, something to meet a need or provide something for the parent. The story of Hannah and Samuel in 1 Samuel 1 indicates that Hannah saw parenting as a gift and Samuel himself as a gift from God, not a right.

If this unmarried woman is going to seek parenthood via in vitro she will also need a sperm donor. That directly violates the one-flesh principle above since the sperm donor will not be her husband. This also creates a necessary “relationship”

with this man as the father of her child. This is inherently unwise and creates the very real possibility of future disputes and tensions with no clear guidelines for resolution. She would be at the mercy of the court and that particular judge as to what relationship this man will have with her and her child. Even when the donation is anonymous, it won't necessarily remain anonymous throughout the life of the child. Children have been granted access to the identity of anonymous sperm donors who fathered them. Some men simply won't care. But what if he does? What if he desires to know something about the mother of his child as well as the child himself/herself?

A booklet I can recommend is from the BioBasic series from Kregel Publications titled *Basic Questions on Sexuality and Reproductive Technology*. While this circumstance is not directly addressed, questions 5, 6, 7 and 13 do relate some of the principles I have discussed above. This booklet can be obtained from the Center for Bioethics and Human Dignity at www.cbhd.org.

I pray this helps.

Respectfully,

Ray Bohlin, Ph.D.
President

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Expelled: No Intelligence

Allowed

Dr. Bohlin explores the key points from this documentary from a Christian perspective. He looks at three of the scientists featured on the film who were persecuted for their willingness to consider intelligent design as an option. The film may become dated but the issue of an intelligent creator versus an impersonal, random cause of creation will continue on for many years.

A film was released in April 2008 starring Ben Stein. Titled *EXPELLED: No Intelligence Allowed*,{1} this film documents the dark underside of academia in America and around the world, exposing what happens when someone questions a ruling orthodoxy. In this case, that orthodoxy is Darwinian evolution.

Evolution is routinely trumpeted as the cornerstone of modern biology, indispensable even to modern medical research. Therefore, if someone questions Darwinian evolution and its reliance on unpredictable mutation and natural selection, you are questioning science itself. At least that's how the gatekeepers of science explain it.

Never mind that over seven hundred PhD trained scientists from around the world have openly signed a statement questioning the ability of Darwinism to account for the complexity of life. You'll find my name among them (www.dissentfromdarwin.org). We are usually dismissed as being misguided, uninformed or religiously motivated. We couldn't possibly have legitimate scientific objections to Darwinian evolution.

Many have refrained from signing that list because of the possible repercussions to their career. But isn't there academic freedom in this country? Doesn't science progress by always questioning and leaving even cherished theories open to

reinterpretation? Isn't science all about following the evidence wherever it leads? Well, in theory, yes. Practically, scientists are human, too, and often don't like it when favorite ideas are reexamined.

The film *EXPELLED* explores the reality of what happens when evolutionary orthodoxy is questioned by vulnerable scientists who have yet to secure tenure.

In what follows, I will take a detailed look at just three of the scientists featured in the film. In each case I will reveal greater detail than the film is able to explore and provide resources for you to inquire further. Hopefully this will inspire you to learn more about this important issue and attend the film when it opens.

Let me briefly introduce the three scientists.

Richard Sternberg has a double PhD in evolutionary biology. As editor of a scientific journal, he oversaw the publication of an article promoting Intelligent Design and critical of evolution. As a result, he was harassed and falsely accused of improper peer review. He has been blacklisted.

Caroline Crocker taught introductory biology and made the mistake of including questions about evolution contained in science journals. She was accused of teaching creationism and eventually lost her job, and has been unable to find work ever since.

Finally, Guillermo Gonzalez, a well published astronomer, has been denied tenure because he supports Intelligent Design. Trust me, you'll find it hard to believe what you read.

Richard von Sternberg

Richard von Sternberg was the managing editor of the biological journal, *The Proceedings of the Biological Society*

of Washington, or *PBSW*. Sternberg was employed by the National Institutes of Health in their National Center for Biotechnology Information. He was also a research associate at the Smithsonian Institution's National Museum of Natural History when he served as the journal's managing editor.

Sternberg was considered a rising scientist and theorist. His multiple appointments demonstrated great confidence in his research ability. By 2004 he had accumulated thirty scientific publications in peer-reviewed science journals and books.

His fall from grace was not for something he said or did, but for what he didn't do. As managing editor for *PBSW*, he did not reject outright an article submitted for publication that supported Intelligent Design as "perhaps the most causally adequate explanation" for the explosion of new, complex life forms during the Cambrian period. He "*mistakenly*" sent the paper out for peer review, and went along with reviewers recommendations for publication after extensive revisions were made.

When the article appeared in the journal's August 2004 edition, the journal and Sternberg were assailed for allowing the publication of this heresy. He was accused of not following proper peer-review procedure. If he had, certainly the paper would have been rejected. He was accused of acting as the editor himself when normal procedure was for the paper to be referred to an associate editor. If he had, surely the article would have been rejected. He was accused of choosing reviewers predisposed to support the ID perspective of the article. If he had chosen true scientists, surely they would have rejected the article.

I think you get the point. Any scientist worth their salt would have rejected the article out of hand; Sternberg didn't and therefore was guilty of academic sin. Eventually, Sternberg claimed he was harassed by the Smithsonian where he currently worked. He claimed his office was changed, that he

was denied access to museum specimens and collections, that his key was confiscated, and that he was subjected to a hostile work environment, all intended to get him to leave.{2}

The White House Office of Special Counsel was eventually called in to investigate, and although they eventually did not take the case because Sternberg was not actually a Smithsonian employee, they did issue a preliminary report documenting the inaccuracy of the charges against him and the accuracy of Sternberg's accusations.{3} He followed very standard and proper peer-review procedures and even got approval for the article from a member of the society's ruling council. You can bet that the editors of other journals were paying attention.

Caroline Crocker

Caroline Crocker, a PhD with degrees in pharmacology and microbiology, is a research scientist and former lecturer at George Mason University.{4}

As Crocker tells her story, she was an instructor at George Mason University, teaching introductory biology. One lecture was devoted to evolution, and she decided it was important for students to hear not just the evidence favoring evolution but published research that questioned certain elements of evolutionary theory. Crocker had come to this conviction not from any religious motivation but from her own research and convictions as a scientist.

The lecture was received very well with spirited discussion and she considered it a success. Days later she was called to her supervisor's office who accused her of teaching creationism. She denied this and claimed she never even used the word and encouraged her supervisor to look up the lecture herself which was online, as were all her lecture notes. Later she was demoted to only teaching laboratories and eventually dismissed altogether.

Upon getting another teaching job at a local community college, she eventually learned she was targeted for dismissal again and left on her own. Eventually, she applied for other teaching positions and, though initially offered the job at one interview, she was later called and told there was no money for the position. Someone at the National Institutes of Health eventually told her to stop looking because she was blacklisted.{5}

A young lawyer at a local law firm eventually volunteered to take her case *pro bono* [without charge]. His firm agreed with his decision and filed an initial complaint with George Mason University. The complaint was later dropped and the lawyer mysteriously asked to clean out his office. He too has struggled since, trying to find employment.

George Mason denies any wrongdoing, of course, and maintains that academic freedom is honored at their university, but they offer few specifics on just why Crocker was terminated.

Crocker always received high marks from her students and was qualified and effective wherever she went. Suddenly after questioning Darwinism, her scientific career is over. There is another viewpoint, of course. P. Z. Meyer's, for example, defends the decision to let Crocker go at the end of her contract because questioning evolution shows she was incompetent.{6}

Guillermo Gonzalez

Guillermo Gonzalez is a planetary astronomer and associate professor at Iowa State University. Gonzalez has done research and taught at Iowa State for five years and has accumulated an impressive record. He has accumulated over sixty peer-reviewed publications in various science and astronomy journals. In addition, he has presented over twenty papers at scientific conferences, and his work has been featured in such respected publications as *Science*, *Nature,* and *Scientific American*.{7}

Ordinarily, to become a tenured professor at a research institution there are specific requirements that must be met. The Astronomy Department at Iowa State requires a minimum of fifteen research papers. Gonzalez should have felt quite secure since he published nearly five times that many papers. He also co-authored an astronomy textbook through Cambridge University Press that he and others used at Iowa State. But his initial application for tenure was denied. The faculty senate indicated his application was denied because he didn't meet certain necessary requirements.

However, many suspected he was denied tenure for his support for Intelligent Design through his popular book and film *The Privileged Planet*. While having nothing to do with biological evolution, Gonzalez and his co-author Jay Richards maintain that our earth is not only uniquely suited for complex life but is also amazingly well-suited for intelligent life to observe the cosmos. This dual purpose seems to suggest design.

In denying Gonzalez's initial appeal, the university president specifically stated the denial had nothing to do with Intelligent Design. Gonzalez further appealed to the University Board of Regents. In the meantime, the Discovery Institute obtained internal university emails clearly indicating that the sole reason Gonzalez was denied tenure was due to his support of ID, despite the university's public denials. These emails also indicated that some of these university professors knew what they were doing was wrong and conspired to keep their deliberations secret.

Amazingly, the ISU Board of Regents refused to see this information or provide Gonzalez an opportunity to defend himself before they voted. Not surprisingly, Gonzalez's final appeal was denied in early February 2008.

Be Prepared for *EXPELLED*

Probe Ministries highly recommends the film *EXPELLED: No*

Intelligence Allowed as it highlights the harassment and persecution of PhD scientists at the highest levels of academia and exposes signs of ugly things to come in the culture at large.{8} Usually the scientific establishment tries to cover up these activities, but when exposed, they usually resort to saying that this level of harassment is deserved since a fundamental tenet of science is being challenged, and therefore these scientists don't deserve their positions. Academic freedom apparently only applies to disagreeing with details about evolution but not evolution itself.

These three stories are just the tip of the iceberg. These scenes are being played out around the world, and publicity is an important step in seeing justice done.

Now, let's be clear about something. Just because a few scientists and scientific institutions have behaved badly on behalf of evolutionary orthodoxy doesn't mean that evolution itself is suspect. But as I stated earlier, over seven hundred scientists have now signed a statement declaring their skepticism about Darwinian evolution as a comprehensive explanation of the complexity of life and the list is growing. The scientific underpinnings of Darwinian evolution have been unraveling for over fifty years. I've been personally involved in this revolution for over thirty years, long before Intelligent Design was even a recognized movement.

The *EXPELLED* documentary will certainly raise the visibility of this debate even further in the general public and hopefully within the church. But I have been quite surprised how many in the church are really unfamiliar with the Intelligent Design movement and are even suspicious of the motives and beliefs of those involved.

In that light, Probe Ministries and EvanTell unveiled last summer, before *EXPELLED* was announced, a small group DVD based curriculum about the Intelligent Design movement, called

Redeeming Darwin. Check out this material at Redeeming Darwin.{9} There are small group leader kits, self-study kits, and very inexpensive outreach kits meant to be handed out to people wanting to see for themselves. We are thrilled to have Josh McDowell's endorsement, and our curriculum is being recommended to church youth leaders by those promoting *EXPELLED*.

This spring and through the summer the rhetoric will be escalating, and many just won't understand what all the fuss is about. First, make plans to attend *EXPELLED* in a few weeks and take some skeptical friends with you. Then give your friends a copy of our *Discovering the Designer* DVD and invite them to join your small group in studying Redeeming Darwin to help answer the inevitable questions about ID and evolution. In addition, Redeeming Darwin will show you how to take a conversation about ID and evolution and use it to share the gospel. That's how you can "redeem Darwin."

Notes

1. streamingmoviesright.com/us/movie/expelled-no-intelligence-allowed/.
2. www.rsternberg.net/ (last accessed 2/12/08).
3. www.rsternberg.net/OSC_ltr.htm (last accessed 2/12/08). Sternberg used well-qualified reviewers for this paper and has steadfastly refused to identify them, which is normal protocol despite repeated attempts by evolutionists to find out who they were. None of them were "creationists" as has been suggested.
4. www.washingtonpost.com/wp-dyn/content/article/2006/02/03/AR2006020300822.html (last accessed 5/18/20).
5. www.christianpost.com/news/expelled-exposes-plight-of-darwin-doubters-30277 (last accessed 5/18/20).
6. scienceblogs.com/pharyngula/2006/02/05/heck-yeahcaroline-crocker-shou (last accessed 5/18/20). Also be advised that PZ

Meyers is not shy about using vulgar language.
7. To view a full list of online and print articles and to view Gonzalez's academic record, visit the Discovery Institute's section on Gonzalez at www.discovery.org/a/2939 (last accessed 5/18/20). See also post-darwinist.blogspot.com
8. streamingmoviesright.com/us/movie/expelled-no-intelligence-allowed/.
9. Also see www.probe.org and streamingmoviesright.com/us/movie/expelled-no-intelligence-allowed/.

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"How Do I Answer My Friends' Questions About The Da Vinci Code?"

I am a Graduate Student of Chemical Engineering at _____ and I hail from India. I was born in a Christian Family and I am a believer.

The book *The DaVinci Code* by Dan Brown has caught the attention of lot of Indians who are unaware of Jesus and the true meaning of Christianity.

Some of these Indians are my friends and are predominantly Hindus. As a rule I haven't read the book but when they tell me that the book is compelling and "real", I have no answers to the questions that are posed to me. I must confess that I

am not as well versed with the Bible and the history of Christianity as I ought to be.

How do I read *The DaVinci Code* knowing the facts and not getting fascinated by the fictional "facts"?

Thank you for writing, and I understand your dilemma.

First, Probe has an article by Michael Gleghorn which addresses many of the issues in the book. See www.probe.org/redeeming-the-da-vinci-code-2.

Second, the book is definitely an entertaining read. It's worth it as long as you can separate the fact from fiction.

Third, look at the bright side. Your Hindu friends are asking questions about the Bible and Jesus. See it as an evangelistic opportunity, and we can thank Dan Brown rather than curse him.

Respectfully,

Ray Bohlin, PhD
Probe Ministries

Addendum from Probe Webservant:
You can now download Powerpoints of four Probe lectures in our "Decoding *The DaVinci Code*" series here.