

FIGURE IT OUT

APOLOGETICS

BOOK 1 - WORLDVIEW

Dr. David Newton

HARBOR VIEW PUBLISHING HOUSE
SANTA BARBARA ⌘ CALIFORNIA

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Harbor View Publishing House does independent research and literary commentary production. The name comes from the central overview one has looking over the safe haven within the port, even as the waves and swells of the open ocean lie just beyond the breakwater jetty. Harbor View is committed to examining Biblical topics using a detailed framework of analysis with direct contemporary application.

*"Be perpetually ready to make
an 'apologia' [a legal defense or
reasoned argument] to everyone
who asks you to give a 'logos' [word]
for the hope that is within you, yet do
this with gentleness and reverence"*

1st Peter 3:15

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ACKNOWLEDGEMENTS

During the summer of 2023 I taught a 12-week series on Apologetics at Calvary Chapel Santa Barbara. Turning my notes into a book resulted in over 450 pages. Would potential readers readily take on a book of that size? Thanks to everyone who gave me feedback that it would be much preferred to have a series of 12 paperback books – one covering each of the 12 Apologetics topics. People could easily find the topic they have interest in and the entire series could then fit on a desk or bookshelf as a ready-reference about foundational Apologetics issues.

Thanks to Bret Shellebarger who first approached me about teaching a series on Christian Worldview, which then turned into the Apologetics study. Thanks to senior pastor Tommy Schneider for his encouragement to go deep on each topic, and then inviting me to do the first teaching at the Calvary Wednesday midweek service. Thanks also to the 120+ who signed up online for the Summer series and faithfully attended Monday evenings - and for all those challenging Q+A sessions after each topic.

Big thanks to Jef Richardson for video-recording and editing the Monday night teachings, and to Kevin Hurtado and Sam Shellebarger who filled in and covered for Jef the two times he was unable to make it. Readers can view the 12 video-teachings that correspond to the 12 Apologetics books at my YouTube channel **Figure It Out @NewWaveDave1977**.

Special thanks once again to Jenny Yarbrough for another great job designing book covers for this Figure It Out series – just like your graphics work on my other FIO books and at the **NewtonFIO.com** website. Thanks also to all those who did proof-reading and editing. And many thanks always to my family for love, prayers, and support

FOREWORD

We cannot teach, much less defend, what we do not know. Apologetics is for every Christian because it addresses the questions a typical skeptic uses to challenge the claims of Christianity. While speaking around the nation at secondary schools, churches, and college/university campuses one concern is obvious: Biblical literacy is rare, as increasing numbers of people are choosing to follow the ways of the world. Many who grew up in Christian environments do not know what they believe or why they believe it. At a time when God's Word and name are challenged and ridiculed [even in places founded upon Judeo-Christian values], many well-meaning believers struggle with how to articulate and defend their beliefs. For this reason, Dave Newton's book series on Apologetics is both timely and important. These excellent resources are packed with wisdom from Newton's decades of teaching the Bible and defending the faith. Each short book is well-researched, easy to follow, and provides logical, reasoned answers to one of the twelve most common objections to Christianity. Dr. Newton's use of compelling statistics, analogies, and stories prove why Christianity is true and has withstood the test of time. Whether you are new to the faith, a mature Christian, or still trying to answer life's biggest questions, this Apologetics series will further equip you to defend your faith with all your heart, soul, mind, and strength. I have no doubt you will return to this resource time and again to find great information to explain a reason for the hope within you.

Science is a valuable tool for how things work, yet science alone cannot answer the important questions: *"Why are we here?" "What is the origin and meaning of life?"* The Naturalist Worldview claims everything has a random and undirected cause. But when pressed to explain the origin of life, "expert" scientists often posit theories that lack evidence, make

little sense, and require a great deal of faith. They “believe” we live in a godless universe. Products of a random, unguided, evolutionary process, and life has no meaning or purpose. Despite the evidence pointing to a Creator-Designer for life on Earth, the Naturalist Worldview continues to permeate culture and undermine the Biblical Christian Worldview. Asking skeptic: ‘*Show me evidence to support naturalist dogma*’ is a very effective way to defend your faith. Dr. Newton asks more than a dozen of these difficult questions and provides images, statistics, charts, and other resources to reinforce a great case for the deliberate, finely-tuned, *meaningful process* of creation that could only have been orchestrated by a Designer-Creator functioning *outside* of physical space-time. Rather than accept theory as fact, or adopt what’s popular as truth, Dr. Newton thoughtfully debunks six so-called “Axioms” of science in textbooks and classrooms - from Darwin’s evolutionary tree, to lightning that struck a primordial pool resulting in cells and DNA randomly bursting forth as the origin of life of Earth. Weighing the evidence and addressing theories directly, this book will strengthen your belief in an intelligent God who is the origin *and sustainer* of life - including you [Colossians 1:16-17].



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 How the Scriptures, History, and Experience Can Shape Our Prayers**.

INTRODUCTION *to* APOLOGETICS

What exactly is Apologetics? A great starting place is in Acts chapter 17 where Saul is on the Areopagus [Mars Hill] just below the Acropolis in Athens, Greece. There he had a dialogue with skeptical Epicurean and Stoic philosophers. I have been up on that rock outcropping many times over the years and always love to read Acts 17:16-34 out loud, which is also engraved right there on a large stone placard. It is Paul's teaching about the *Unknown God* and his defense of the Christian faith within the pantheism of that First Century Athenian culture. Apologetics comes from the Greek word **apologia** [ἀπολογία] meaning "a verbal defense, a reasoned argument". Peter used this [1st Peter 3:15] when encouraging his readers to ALWAYS be ready to give an **apologia** about the Logos, regarding the hope within you, to anyone who would ask.

The 12 booklets in this FIO Apologetics series each examine one topic in the context of the questions a typical skeptic asks about the Christian faith, and how to reply with a well-prepared, thoughtful, rational, logical, reasonable response – information to equip you for such conversations. The primary focus is to provide my readers with content that is easy to remember and easy to explain. However, there are three caveats. First, everything in these booklets faces significant challenges, concerns, and oftentimes outright ridicule because no matter what position you have there will always be those who oppose it. Challenges will come from outside Christian circles and Christian thinkers, but [sad to say] they also come from within Christian circles and Christian thinkers. I can guarantee that all I present in these 12 volumes will have philosophers, theologians, pastors, and scholars who will thoroughly disagree with my position.

Second, rarely if ever does a great Apologetics response convince the skeptic to change a position. But reasonable-logical-rational-thoughtful responses can help remove the stereotypical way that people often think about conservative Christians - that we are unreasonable, illogical, irrational, close-minded, and not very thoughtful. Third, the Bible will not be my primary source of defense because skeptics will say, "I don't believe the Bible, what else have you got?" I will utilize Scripture as I go deeper into each topic and cover solid evidences that align with facts.

My position for this entire series states there are just two competing worldviews. This book introduces the **Naturalist Worldview** opposite the **Biblical Christian Worldview**. The former is inherently atheistic [there is no God and everything happens by random accidental iterations over long periods of time]. The latter is inherently theistic [there is a God who designed-created everything]. But in today's Apologetics debates, there is also a **Theistic Evolutionary Worldview** that attempts to blend the prevailing scientific paradigm that everything in the universe results from billions of years of random evolution and natural selection – and this is the process God used after He provided the starting-point elements and chemical compounds. His process of evolution facilitated everything to iterate, mutate, transition, and survive or die-out by random probability occurring over the course of billions of years. However, the same math that renders the Naturalist Worldview untenable, also undermines all the premises and processes of Theistic Evolution, so I have chosen to not treat this as a distinct, third Worldview worth examining more closely.

Providing sound, logical, and thoughtful *apologia* of the Christian faith reminds me of my work as an expert witness in legal cases, where I have been hired by various law firms to provide testimony for either a plaintiff's or defendant's legal case about negative economic impacts, business

valuations, financial loss from breach of contract, failure to perform, or outright fraud. My summary report lays out the logic of all the supporting evidence and rationales related to the issue that bitterly divides the two parties – to bring an unbiased and objective *verbal defense, a reasoned argument* - based on the evidence reviewed. That is my *apologia*. There are usually several other “expert witnesses” hired by the opposing legal counsel who submit perspectives that directly contradict my professional opinion. My “expert witness” approach is the same for this series on Christian Apologetics – to provide perspectives and evidence for anyone responding to the skeptics who challenge the credibility of Christianity.

The 12-volume series covers the most common questions asked about Christian faith – and how best to respond with confidence using rational, logical thought-processes with reliable common sense evidence. Each book tracks the on-going dialogue between a skeptic of Christianity and a well-informed, well-equipped believer who is able to confidently reply with a defense backed by sound logic and verifiable evidence. Each booklet concludes with a bibliography of Additional Resources where readers can find more information on each Apologetics topic. As you can imagine, it is virtually impossible to cover every topic or question that can be raised. But this series examines the twelve most popular issues you are likely to encounter, and provides solid answers for the skeptics. May this series become a trusted resource you go back to time and again regarding the foundational rationales for the hope within you, with the page-edges frayed and folded over from regular use as you dig in and learn to master the underlying Apologetics of your own Christian faith.

- Dr. Dave Newton
December 2023
Santa Barbara, California

BOOK 1

WORLDVIEW

*A particular philosophy of life or
conception [perspective] of the world.*

- Oxford Dictionary

The first topic for Apologetics begins with the intersection of science, philosophy, and theology converging on the core premise: "What is your **worldview**, and why is your **worldview** so important to Apologetics?" It is from that position that the next logical question is addressed, namely, "Is there any proof that God exists?" So consider your worldview as your lens through which you see and have your perspective. It is HOW and WHY you view things the way you do. There are, arguably, only two categories of foundational worldview. The first is a **Naturalist Worldview** that believes planet Earth, the moon, planets, the sun and stars, the galaxies above, all are the result of entirely random statistical processes. Accidental iterations within nature without purpose, design, or intention.

Life is entirely without purpose as an outcome of meaningless, statistical iterations occurring randomly over billions of years. People are born and then live with an undesigned physiological consciousness based solely on chemical reactions in their brain matter, and eventually the physical body deteriorates to a point where it ceases to function and that's it. Life ends without meaning. This reminds me of the 1987 song from new wave British rock band The Godfathers: "Birth - School - Work - Death". That's it. Four random stages of a boring, meaningless life that simply ends.

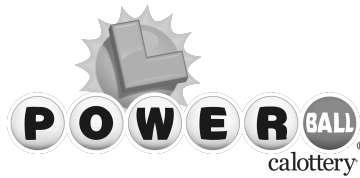
A second position is broadly called a **Theistic Worldview** - but while this believes in God, the core issue is 'which God?' Islam's Allah, Baha'i Faith's Baha, Zoroastrianism's Ahura Mazda, Hinduism's Brahman are each a monotheistic worldview. The New Age, Buddhism, Taoism, and most African, Pacific Islander, Native American, or South American tribal religions are polytheistic. Existentialism and humanism [such as Marxism] are atheistic. There is also agnosticism which says you cannot actually know anything. [Many university students I taught for 28 years said they were agnostic when it was time for my exams]. The **Biblical Christian Worldview** sees evidence generally revealed in the physical world, and that which is specifically revealed in the Bible that supports the physical evidence. Earth, the moon, stars, galaxies above us – are all the result of a supernatural powerful Designer-Creator demonstrating higher-order intelligence and creativity. Humans are then unique from all other life on planet Earth, as men and women exhibit personal characteristics of this Designer-Creator, including the meta-dimensions of inherent morality, abstract thinking, emotions, rational thought, and logic. There you have it. Everything we see in the physical world, including ourselves, is either the result of random probabilities over time, or design by a Creator. [Theistic-Evolution was addressed in the **Introduction** - see page 9].

Basic Probability Analysis

I have taught undergraduate and graduate statistics, multiple regression, econometrics, and forecasting - and I wrote a book [2018] on the subject with Dr. Stephen Cole, an economics professor at Marquette University. Consider the basic probability for a coin flip [everybody knows how to flip a coin]. There's a 50% chance to get heads, and a 50% chance to get tails. What then is the probability to get two heads in a row? It's that 50% chance raised to the second power [two coin flips] so that $0.50^2 =$ a 25% probability or one chance in four attempts. How about 10 heads in a row? That's $.50^{10} =$ a one chance in 1,000 attempts. How about 100 in a row? That's $.50^{100}$ and equals one chance within a total number that has **31 zeros after it!** Your chances of that are essentially not possible.

Now let's look at some numbers within the naturalistic worldview that absolutely do not make any sense from pure statistics – meaning there is no conceivable way from random processes any of these things could happen. Consider the numbers in today's science textbooks that the universe is 13.8 billion years old. That equals 4.35×10 to the 17th power seconds! [10^{17}]. Think about how big that number is. To give you an idea of what 10^{17} looks like, consider covering the 268,000 square miles of Texas with silver dollars two feet deep over the entire state - that's 10^{17} coins. What is the chance you could walk around the state blindfolded and at some point bend over, feel around, and pick out the ONE silver dollar that is marked with an "X". The French statistician Emile Borel in 1943 said that "impossibility" is at a probability of 1 chance in 10^{50} . Does that mean at 10^{17} it could still happen? In the entire universe the total number of particles [all protons, neutrons, and electrons in all matter] equal 10^{80} , but when you get to 10^{50} that's where statistical probability analysis draws the line on whether something is possible or impossible?

What is your chance of playing in the NBA? If you are a collegiate varsity basketball player in the U.S. you have about a one-in-1,600 chance [very low odds of 6.25 one-hundredths of one percent]. What is the probability of being struck by lightning? About one in 1.26 million [270 people a year are struck in the U.S.]. How about winning the Powerball lottery?



One-in-292 million [you have better odds of getting struck by lightning or playing in the NBA]. What's the probability that your DNA-17 test results are the same as someone else? One-in-1.2 billion [you have a better chance to win the Powerball]. With basic probabilities in mind, let's review four ways to respond to the skeptic regarding a **Naturalistic Worldview** as we examine a: 1] MacBook, 2] weed, 3] cell, and 4] human.

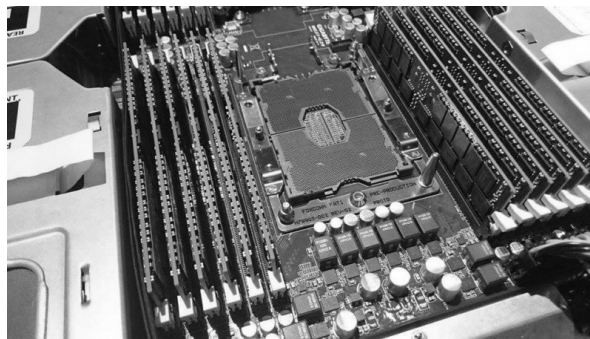
The MacBook

I use a MacBook Air. It is a pretty amazing technology product. I wish I had one back in 1977 when I was in college. The many component parts are shown below, including the central core processor, its controller, the



aluminum alloy case, circuit boards, LED retinal display, hard drive, USB and Thunderbolt ports, cooling fan, video card, wiring, speakers, and keyboard. It has a logic board with Mac-OS that runs everything, and 16 gigabytes of random access memory [RAM] with solid-state disk [SSD] storage in the central processing unit [CPU]. It takes a technician two-to-three days to assemble a MacBook from scratch, with all of the steps laid out on 63 computer screens of sequential flow-chart instructions.

What is most important is the INFORMATION necessary to make the MacBook function. There are 55 million lines of programming code in the processor. What does that look like? At two lines of code per every inch on 8"x11" printout paper, that equals 426,000 miles of pages. Not 426,000 pages - but 426,000 **miles of pages**. That's 18 times around the Earth to print out the intricate computer programming code running my MacBook. Below is the Intel Xeon-W processor. It runs at 3.8 gigahertz, which means it is able to complete 3.8 billion instructions every second.

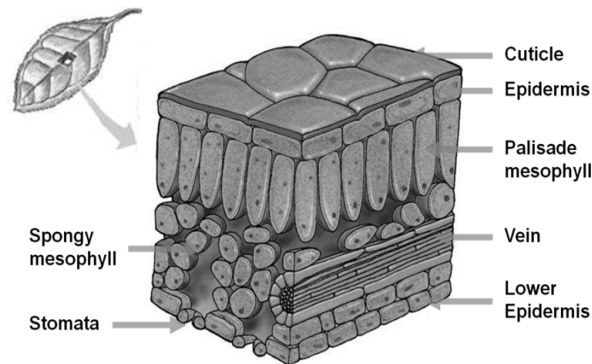


So then, what's the probability that my MacBook just happened to show up in the world accidentally one day after millions [or billions] of years of random chance? First, you would have to ask, "Where did all the raw materials come from?" Then, "How did the raw material-elements turn into those specific 1,200+ component parts?" [there are 56 screws just for the keyboard]. "How did the parts get fit and aligned [engineering

schematics] into a final-form configuration so that they all work with each other?" The most difficult question is, "Where did the INFORMATION come from for the operating system?" – those 55 million lines of design-coded instructions to make the MacBook run. The probability that given enough time [say, 13.8 billion years] that elements would accidentally change from their raw materials into specific component parts, and those would then configure and align themselves into a finished MacBook, and then the operating INFORMATION would just appear to make it a fully functioning MacBook has a probability that is smaller than one chance in 10^{50} . That exceeds Borel's "impossible" limit and certainly exceeds any reasonable, logical, rationale that it could happen that way.

The Weed

Next, consider a common weed – the dandelion. Did you know that it is actually a fascinating functional automatic processing system? Below is a cross section of the dandelion leaf, showing the component parts of the



cuticle, the dermis, veins, and lower epidermis. It has all kinds of inner functions that are the basis for modern science's nanotechnology on how to design photovoltaic receptors for sunlight based on the specific way the individual cells are configured in the leaves as an extremely complex light-processing system, with precisely-coordinated independent time-

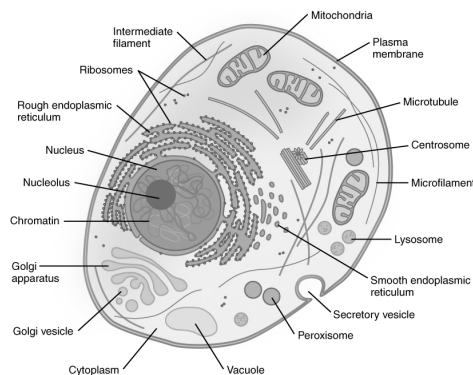
encoded cycles that keep it growing and feeding itself nutrients. The entire system works off of INFORMATION - electrical signals being sent throughout the whole structure – instructing the dandelion to draw out minerals and water from soil as chlorophyll absorbs blue and red light-waves on the nanotechnology cells within the leaves that act as micro-receptors, converting it into sugars as the primary food which makes the weed continue to grow larger all on its own. This coded-complex system for capturing the sun's copious energy exists in only two contemporary models. The first is a photovoltaic cell designed by human engineers at firms like Siemens, that converts sunlight into flowing electrons. The other is the entirely natural-existing photosynthetic plant cell like those found in a common dandelion weed. The **Naturalist Worldview** looks at a high-tech Siemens photovoltaic solar panel and sees it as clearly [obviously] designed by skilled engineers, based upon how it looks and functions, but then says the system within the weed was *not designed* and just happened accidentally-randomly over millions of years.

Michigan State University produced a report with the U.S. Department of Energy that contains this quote about plant-based photosynthesis being: *"a complex system of processes consisting of hundreds of subcomponent parts that work together at the cellular level"*. You'll never look at a dandelion again in the same way as you see one coming up through a crack in your sidewalk. This fascinating, incredibly complex photosynthetic system functions at a nanotechnology [cellular] level and the entire process-flow requires INFORMATION to drive it all. So then, what is the probability of an accidental dandelion just coming out of nothing over billions of years? - where inorganic raw materials become organic component parts that perfectly function together. How could raw materials simply become 87 specific component parts in this weed?

How do they all align to a final configuration that is fully functional? And again, what is the source of the operating instructions [INFORMATION] for the nano-receptors to know precisely how to process the sunlight? The probability that such a complex operating system could just happen over time due to random elements accidentally changing into specific component parts able to function as nanotech photosynthetic processors is also greater than one chance in 10^{50} - essentially it is "impossible".

The Cell

Consider a third example of a cell. About 170 years ago, Charles Darwin and others used the prefix "simple" to describe cells. However, today there are over 200 textbooks on the market for the study of cell biology. One that I perused online has 47 chapters and 650 pages covering this "simple" cell. The topics covered include: cells as the basis for life, molecular structures of cells, chromatin and chromosomes in the nucleus membrane structure, lipid biosynthesis, DNA packaging, gene-specific transcription synthesis of messenger RNA, protein synthesis, carrier proteins, chloroplasts, endoplasmic reticulum functions, helix receptors [I believe you get my point]. The book needs 47 chapters and 650 pages to cover the complex systems and functionality of the not-so-simple cell. And how much INFORMATION is going on inside the cell? Below is a diagram from a cellular biology textbook mapping out these numerous



components within the cell structure and how science understands these. And remember, everything going on inside each cell is driven by coded INFORMATION that knows where each component part goes, along with how it functions within the context of the overall cellular structure.

Casey Luskin writing in the June 6, 2013 edition of *Evolution News* said, *"Scientists in Darwin's day did not grasp the complexity of the cell; protoplasm [what we now call cytoplasm] we know to be full of cellular organelles, molecular machines, RNA molecules, enzymes, along with numerous other crucial biomolecules".* However, in Darwin's day this was referred to as: *"a microscopic lump of jelly-like substance destitute of texture, **destitute of organs**, with **no trace of organization** - the cell is a nucleus with surrounding protoplasm with a cell wall membrane that makes the cell a closed SAC - **no longer to be regarded as a necessary constituent, but only as an accessory**".* Today, however, we know the nucleus as a highly-organized and extremely necessary INFORMATION control center of a cell containing chromosomes and the genetic DNA code representing billions of bits of information. Yet in Darwin's time this was referred to as having *"mysterious powers"* [not quite a scientific term]. Today we know this control center has many billions of bits of information all sequenced into very specific and orderly functions.

What then is the probability of a cell simply happening [appearing] accidentally? Perhaps you had a biology course where your teacher was still pushing the same myth - that there was a pool of warm water 4 billion years ago, with electricity in the clouds, and when lightning hit the pool, all of a sudden cells burst forth. But how did random materials turn into the specific components within the cell? There are over 200 components and 10 subsystems all happening concurrently inside a living cell. If any of those is not fully functioning, what happens to the cell? It dies. That

means you cannot have any intermediate form of the cell supposedly evolving toward a final form because anything less than fully functioning will not survive. So then, how did these parts align into a **final** functional form? And once again, where is the source of the coding instructions [INFORMATION] for this to become a sophisticated processing station? The probability that with lots of time, inorganic elements could randomly accidentally change into organic components and then be aligned into a finely tuned cellular configuration to become the fully functioning core of every living thing completely defies all logic and is well beyond Borel's "impossibility" limitation of one chance in 10^{50} . This should be in your discussion with a skeptic: the MacBook, the Weed, and the Cell could not happen randomly. The probability does not work because there is not enough time for these complex systems to just happen accidentally. And again, there remains the additional problem of the INFORMATION necessary to operate all the components and sub-systems.

Humans

When I was in 7th grade we had to purchase the Visible Man for our basic Life Science course. This was a clear plastic figurine about 16 inches tall [see next page]. The top lifted off and we could see and handle the plastic skeletal bones and the stomach, liver, lungs-heart, and intestines. I could lift off the top of the plastic skull and there was a plastic brain. Today you can buy one of these online for about \$15. But if you really consider what is going on inside a human being, it begins with a complex calcium-based rigid frame consisting of 206 separate bones in a single package with flexible frame connectors [over 900 ligaments and tendons] holding it all together and allowing it to move. It also includes 600 separate muscles to initiate every movement, and a respiratory system that does 12 cycles of air-flow every minute - ventilating 6 liters of 80% nitrogen and 20% oxygen all throughout the body.



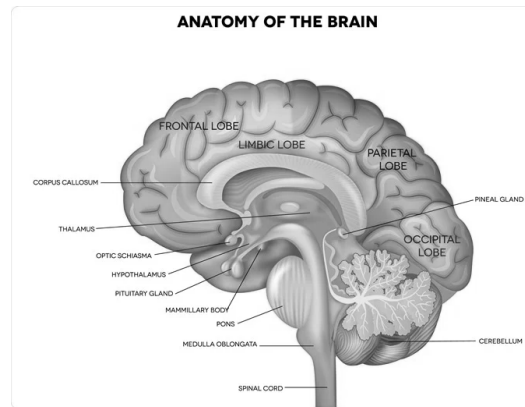
There is also a complex circulatory system, where 8-to-10 ounces of fluid move through an involuntary pump [heart] providing nutrients to those trillions of "simple" cells. It is fascinating how the heart keeps pumping. Cardiologists attribute it to *"complex sequences of involuntary electrical impulses recognized within the muscle's cellular functions"* [sounds a lot like more INFORMATION to me]. One of the guys at our church had a heart transplant several months ago. It was sad to hear an anonymous 30-year-old lost his life in a car accident, but he was an organ donor, so our buddy now has his heart. The surgeons literally put it in his chest,

stitched the veins and arteries to it, and then gave this muscle-pump a hard tap - and it starting beating again, moving blood throughout our friend's body. There are 60,000 miles of veins and arteries inside your body [2 and a half times around the Earth]. In fact, even a 4-week old baby inside the womb already has six miles of veins and arteries. These complex systems all fit over and through this rigid calcium-based frame.

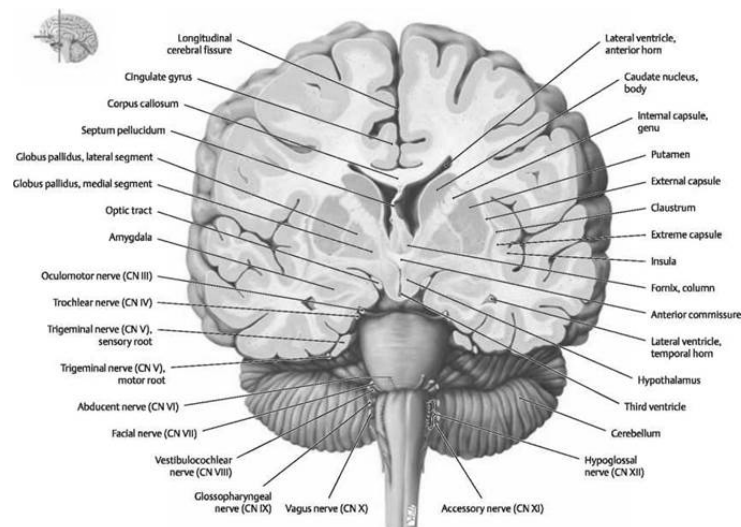
There is also a complex electro-nervous system with 37 miles of nerve fibers. All the electrically-coded INFORMATION gets processed through a very complex central processing unit [CPU] like the MacBook that is set within a protective calcium container-shell [skull]. This reminds me of the classic line, "I went for my brain scan last week and the doctor said they found nothing". This CPU is contained within a 3-pound spongy tissue [see below] comprised of 73% water. Inside there are 100 billion neurons



connected to each other across 100 trillion synapses. Neuroscientists have mapped the brain and isolated many of its functions [see the top of the next page]. They have sliced the human brain [also next page] to reveal all kinds of patterns in cellular structure associated with various physical and mental disorders, as well as locating the areas responsible for feelings of physical pain, joy, euphoria, sadness, doubt, and inquiry.



There are literally dozens of sections - centers - within the brain that can be studied to explain both physiological and psychological behaviors.



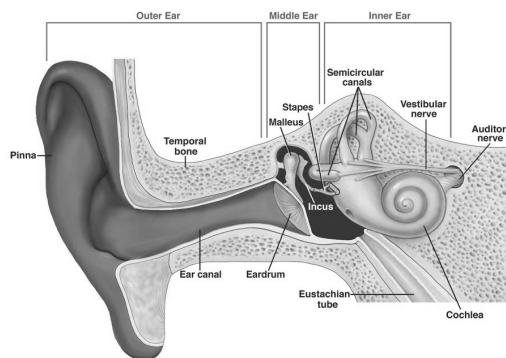
The memory storage within in the brain is estimated to be 2.5 petabytes of INFORMATION. Below is a 3 terabyte [TB] flash drive that can hold



700 full length movies, or 250,000 photos or songs, or 500 hours of HD video [costs about \$50]. By comparison, your brain can store more than 800 of those flash drives [over \$40,000 retail cost]. This 3-pound spongy tissue is encased in a hard-shell calcium protector, managing all of these separate but interdependent systems [respiratory, nervous, circulatory].

There is also a complex digestive system allowing the human to be autonomous in being able to take in nutrients and keep itself alive. Did you know your intestines are 21 feet long? There is a food processor at the top of the throat that breaks down and moves all kinds of foods through to the stomach, liver, pancreas, and kidneys - while having complex interaction with the lungs, even as the heart is oxygenating fluid traveling through your body at 3 feet per second, processing 5 quarts of blood every minute. And all of this is driven by INFORMATION.

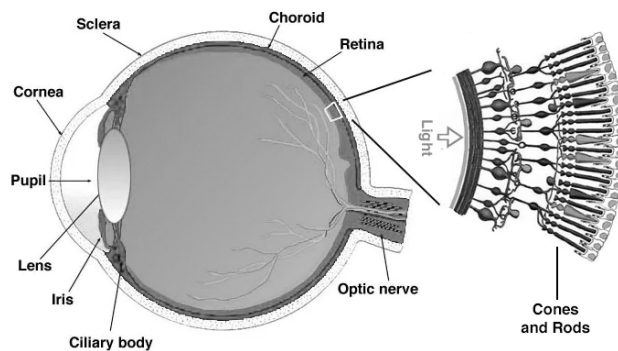
There is also a very complex audio receptive-recognition system going on with a 3-stage processor of sounds that is absolutely fascinating. The ear has sound waves that go through a receptor-canal, then they hit the eardrum and start continuous series of vibrations. Three tiny little bones [the malleus, incus, and stapes] amplify the vibrations into the cochlea, which then puts a little ripple over some fluid that is in there across this membrane that splits it in two. There are little hair cells that then ride the



waves and at the wide end you get all the high-pitch ripples, and at the narrow end are the low-pitch ripples – after which microscopic stereocilia on the tops of these hair-cells start to bend, and it causes the tops to open up like a straw [tube] as chemicals rush down into them creating electromagnetic signals that go to the single auditory nerve connected into the brain where sounds are then recognized and stored.

The human body also has a complex self-maintenance and repair system. If you get a cut, platelets start rushing there to create a clot while white cells remove the dead-injured cells. Then new cells repair the tissue, muscle, or skin. If one of your 206 calcium-based bones breaks, blood clots around it with callus that covers the fracture. Bone-cell threads start to grow toward each other and connect so your bone is actually stronger after a break than before it was broken. If you get a virus, your innate immune system makes special proteins called antibodies, developed by cells called B-lymphocytes that provide protection from re-infection.

There is also a complex visual reception-recognition system working along the audio system. Below is a diagram of the eye's subcomponents.



At the back of the eye are the rods and the cones with all the different fluids needed to process the light into images you “see”. Light-intake is

controlled by the pupil which opens and closes involuntarily, allowing light to the cornea where it is bent before the aqueous humor bends it again into an upside-down image. Human eye light-processing is the basis for all cameras designed by photography engineers. The upside-down image goes through the vitreous to the retina focal point, where the macula and photoreceptors are charged-converted into electrical impulses sent to the optic nerve which travels up into that 3-pounds of spongy brain, where neurons and synapses then interpret the image. The optic nerve is just 1,500 microns [1.5 millimeters] in diameter, which is smaller than a human hair. The encoding-decoding process of light intake into images we “see” takes a fraction of second [close your eyes, then open them and it seems at an instant you see what’s in front of you].

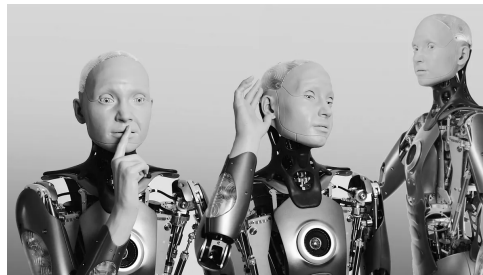
Remember that complex-coded INFORMATION drives this. Your body has on average between 30 and 70 **trillion** cells, and all of these individual systems are supported on a rigid calcium frame wrapped by nerves, blood vessels, muscles, tendons, ligaments – with multiple organs, and a brain in a protected heart calcium case. Respiration and blood-flow are continuous at 60 times per minute feeding all those **trillions** of cells, while also returning the waste back through filters for cleansing. We haven’t even covered the systems for smell, taste, and touch. There are arguably 48 interdependent sub-systems within the human body, supporting and integrated with each other, and they are all wrapped within 22 square feet of exterior fabric of various thicknesses [my grandchildren like to compare the skin on their arms to mine, and always notice that mine is wrinkled, discolored, and has numerous scars from almost 65 years in service – while their skin is smooth and perfect].

The human body serves as the basis for every form of the most advanced robotics designed by engineers. When you see a super high-tech robot

your first thought is typically, "Wow, how cool, I wonder who designed and built the frame with all those multiple systems, gears for movement, and devices for interacting with sight-images and sounds". Everything in the robot requires programming of INFORMATION for it to do things. It



does not simply function inherently because of its component parts. Above, a human interacts with a high-tech robot designed and built by humans [like the 2004 Will Smith movie *I, Robot*]. The programming code does not fall out of the sky, but rather a highly-skilled and educated design team of mechanical, electrical, and computer science engineers creates all of the information-technology [IT] programs necessary for the robot to complete various tasks. I have been attending the Consumer Electronics Show [CES] in Las Vegas for 25 years, and love to see the latest innovations in robotics. But remember this: higher-order intelligent humans are **required to program** the INFORMATION for the robot to function. These models clearly exhibit creative design in how they look



and move, so we readily conclude that somebody built them and wrote software for them to work. However, robots can only do what they have been programmed to do. And, no matter how skilled engineers get in robotics-technology, robots will never be able to procreate more robots. Science fiction has speculated on merging human tissue with mechanical robotics such as the fictional Cyberdyne T-1000 model [shown below and



popularized all throughout *The Terminator* films]. But two robots cannot procreate baby-robots. However, within the human design, there are two separate complex reproductive systems for the two unique versions of humans [male and female] that work in conjunction with each other to create more human beings. There is pre-programmed INFORMATION within chromosomes and DNA such that a microscopic sperm knows how to merge with a microscopic egg, and this begins a 40-week [9-month] involuntary reproductive process resulting in a brand new human being. Within six days of conception, the "simple" cells know which ones are for the new human and which are for the placenta. Chemical compounds

pass through the placenta and it automatically secretes a hormone to cease menstruation, which allows the new person to develop and not be discharged prematurely. Three weeks later, the human has a skeleton, spine, and neurological components. At five weeks there is a heartbeat. At six weeks there are teeth, a skull, muscles, eyes, ears, and lungs. At eight weeks the new human is a half-inch long with a mouth and jaw, ten toes and 10 fingers. At twelve weeks the new person is two inches long and doing full bodily movements, including swallowing. How could such an involuntary conception and developmental growth-process happen without detailed, specific INFORMATION to guide every step? And be



absolutely sure you understand this profound observation: there is no way this production of a new human can happen if any of these complex system-processes is not in their fully-functional final form. Any purported Intermediate versions of the forty unique reactions and cellular-chemical processes along the timeline to a successful birth [supposedly happening accidentally by random chance mutations over millions of years] cannot result in a "live" birth. The ENTIRE system of cumulative-sequential and interdependent steps has to be in its finely-tuned and fully-functional final-form and complete end-version of the INFORMATION [instructional codes]. Only a precisely-engineered process-flow end-to-end will work.

There can be no procreation of humans without such. The latest 3D ultrasound images are so advanced [compared to the ultrasounds of my kids back in the 1980s]. Today, you now see incredible details – including the child's face, the thumbs, fingers, feet, and toes. At the 40-week mark



since conception, this precisely-engineered process-flow involuntarily initiates a whole new set of chemical-hormonal reactions in the mother's body in preparation for this new person leaving the mother's body. Then that human [who started as a microscopic union] continues to grow and develop for years. I am 6-feet 4-inches tall, but my son is now a man who is 3 inches taller than me, and is married with his own daughter and three sons. This fascinating reproductive system is guided by instructions in the coded-DNA containing incredible amounts of INFORMATION.

Any Proof That God Exists?

The core underlying logic regarding your worldview is directly associated with the age-old question of whether God exists – because the skeptic will ask for tangible proof to clearly show that there is a God. This often is reasoned as, *"If God exists, why doesn't He just show Himself to the entire world to settle the matter once and for all?"* That is what is termed as DIRECT evidence. Stating that a man named Jeho-Shua who grew up in a village of Nazareth in Judaea within the Syrian Province of the larger

1st Century AD Roman Empire, was in fact God showing Himself to the world is typically not sufficient proof. Lots of people have claimed to be God or the Son of God so there must be something more tangible. There is another book in this Apologetics series that deals specifically with the questions surrounding Jesus of Nazareth [see page-40]. However, for this broader question of whether God exists, there is an INDIRECT way to demonstrate a substantive measure of logical proof. And remember, the skeptic is never able to show any proof that God *does not* exist.

One clear distinction between the Naturalist Worldview and the Biblical Christian Worldview [the question whether God exists] arguably comes down to whether there is a rational, logical, reasonable way to show that what is observed throughout the physical world could have come about merely by accidental, random, unintentional iterations of uniform natural processes happening over very long periods of time. THAT would then provide a degree of plausibility to support the position that no God is necessary to be the Creator because natural order could have resulted in the physical world around us. That line of reasoning could be extended to negate the underlying proposition that an all-powerful God exists.

However, if there is a way to scientifically demonstrate that the statistical probability of unintentional iterations randomly occurring over long periods of time are insufficient to result in a Weed, Cell, and Human [just to name a few examples within the physical world], then it is much more plausible to propose that an intentional, creative-process of design and purpose completed by an obviously much higher-order intelligence than humans. If mankind has demonstrated ability to envision and design all kinds of sophisticated machines with coded instructions to operate these complex systems, then it is logical that there HAS to be a mind and tangible power far beyond that of humans, whose capabilities are such

that the incredibly complex physical world – including intelligent life – was intentionally created with design and purpose that is not dependent on lots of time. The science of probability analysis is readily applied to this logic. Either there are clearly plausible statistical models to explain how the world and mankind came to be, OR such probability analysis will demonstrate that random natural processes **are incapable** of producing anything like a MacBook, a Dandelion, a Cell, or a Human being within what is now the widely-accepted 13.8 billion-year life of the universe.

Not Enough Time

When the skeptic questions the existence of God, it is quite logical and reasonable to state very clearly **there is not enough time** within those 13.8 billion years for random, unintentional, natural processes to result in a full-functioning MacBook, Dandelion, 'simple' Cell, or Human being. As such, the only plausible, rational, logical conclusion has to be that someone designed, created, and seems to maintain the massive array of complex systems exhibited all throughout the physical observable world. Consider this. There are 31,536,000 seconds in one year [60 seconds per minute x 60 minutes per hour x 24 hours per day x 365 days/year]. Multiply those 31.5 million seconds per year times 13.8 billion years and you get the number 4.35×10^{17} seconds. Simply remember the multiple of 10^{17} as an easy way to state the supposed age of the universe in seconds. With that much time available, it is a straightforward calculation to model how many independent trials of random processes are needed in order to arrive at a given, scientific outcome. Consider this example.

Assume a systematic organic mechanism starts with one component part and then randomly develops and mutates without any intentional design into two component parts through some form of 'natural order'. It then continues some means of on-going random processes to integrate and

Remember earlier in this book the example of flipping a coin to get 2, 10, or 100 heads [or tails] in a row? Well, let's assume there is an equal chance that at each step in this naturally-mutating process there is a 50% probability of a good mutation [like flipping heads] and a 50% probability of a bad mutation [tails]. For 200 consecutive-sequential iterations [steps] in this Naturalistic process, the probability for that 50% good mutation happening 200 times in a row is $.50^{200}$ [50% raised to the 200th power]. That equals 6.223×10^{-61} . A .062 with 60 zeros behind it. This means you have a one chance in that ridiculously large number of getting 200 successful mutations in a row. Emile Borel's 10^{50} [one followed by 50 zeros after it] infers something is "impossible". This 50/50 probability of getting a successful new component part [mutation] for 200 consecutive attempts is just one chance in a one with 60 zeros after it:

Let's continue this example relative to how much time have you got to work with? We previously noted that the supposed age of the universe [13.8 billion years] equals about 10^{17} seconds. Our model resulted in one

chance in that large number [one followed by 60 zeros]. But there are only 17 zeros worth of total seconds in 13.8 billion years. That means this accidental mutation process would have to happen more than 3 times per second. There is **not enough time** to have this work. Consider that humans have arguably 23 sub-systems [each with 200 component parts]. In order for all 23 separate functions to fully develop simultaneously at random you will have to raise that number with the 60 zeros to the 23rd power to arrive at that overall probability. The mind is unable to grasp a number that has 60 zeros being raised again to the 23rd power!!

One last point in our scientific model. The entire surface of the Earth is 197 million square miles, each with 2.788×10^7 square feet. That equals 1.97×10^{15} square feet on Earth's surface. Assume each square foot contains 1 billion organisms mutating twice per second. That would be 200 every 100 seconds. If the random mutation is successful it continues. If it does not mutate properly it must start again. Within the 10^{17} seconds total time available to get those 200 successful mutations you would need those 10^{15} square feet to each express 10^{38} total attempts. That ridiculous probability is the chance to get just ONE final functioning form of 200 functioning component parts. The MacBook, the Dandelion, the Cell, and Humans each have more components than that.

Summary

The atheistic Naturalist Worldview runs into three significant problems regarding scientific statistical analysis that results in probabilities that are essentially impossible to even conceive of – let alone use as a basis for the genesis of the physical world. FIRST, where did the original microbes and other cellular materials come from as the starting-point for this random mutation process? SECOND, if the 50/50 chance of good/bad mutations is actually 30/70, or most likely just 10/90, then the resulting

statistical probability to achieve 200 successful-progressive mutations becomes even more absurd [more zeros added]. And THIRD, if there are 10^{17} seconds in the entire history of the known universe, then there is plain and simply **NOT enough time** for random permutations to happen that only have one chance in a number that has 60 zeros [then raised to the 23rd power]. Those unintentional-accidental changes would have to happen over 3 times per second to result in a final-form organism with 200 sub-functions [far less functions than a MacBook, Cell, and certainly a Human]. The math does not work! [I told folks attending my Monday night summer Apologetics, that after listening to me teach for an hour, there was only a 10^{17} probability they would return the following week.]

Examining a fully-functional MacBook, it is logical that no one would dare say this very sophisticated computer just appeared out of nowhere. The design of the hinged-folded case that opens to a high-resolution retinal display opposite 78 keys and a touchpad defy every premise that such precision component parts simply happened through random statistical iterations of uniform processes during billions of years. Depending on which source you speak with at Apple, there were at least 80 engineers [some say over 200] on the design-team that brought the MacBook Air to market with innovation, creativity, intention, and purpose. That same kind of common sense reasoning can be applied to automobiles, high-tech medical devices, and probes sent to Mars. Why is it any different in explaining complex organic functioning systems such as a Dandelion, the 'simple' Cell, and Humans? They all have two distinct dimensions in their functionality: **hardware** and **software** - the physical parts are expertly assembled into a final form [hardware], and the INFORMATION software to make them work. For the MacBook, that is found in the 55 million lines

of sophisticated program-coded instructions for how the Mac operates. The premise that the code unintentionally occurred is utterly absurd.

In a very similar manner, the Dandelion, the Cell, and Humans are also comprised of those same two dimensions: *hardware* and *software*. There are thousands, millions, billions, even trillions [human cells in the body] of component parts within each of these three complex organic systems, operated by sophisticated software [INFORMATION] - the metaphysical instructional programming for daily operations. That is an excellent reply to the skeptic who still tries to argue that the component parts came together over billions of years, but recognizes that there is no reasonable explanation for the software. Dr. A.E. Wilder-Smith made this profound observation which has stuck with me for the 37 years since I first read it [see **Additional Resources** on page-39 in this book]: *"Only information theory can explain the genesis of self-replicating information storage and retrieval systems in biology. We know today what Darwin did not [and indeed could not] know, namely that biology's very heart depends upon information storage and retrieval systems which cannot conceivably arise in the stochastic [random] forces of natural law"*.

Dr. Mark Eastman [see **Additional Resources**] comments on biologists who make claims to have spontaneously produced nucleotides of DNA in controlled laboratory experiments, *"After decades of trying with the best equipment and the best minds in chemistry, not even the 'letters' of the genetic code have been produced by random chemical processes. If the 'letters' cannot be produced by doctoral-level chemists, how can we logically assume that they arose by chance in a chemical quagmire?"* His observation epitomizes the underlying premise I will use to sign off for this first volume of Apologetics. Scientists draw upon the complex functions of a common weed [like the Dandelion] for inspiration and

guidance about how to engineer photo-processing receptors at the nanotechnology level for sophisticated solar panels to convert sunlight into electricity that powers industry, commerce, and residences. It took them years and perhaps hundreds of trials to get the system perfected. Scientists have literally copied the inverted-image lens design of the human eye as the functional basis for all types of cameras. Computer scientists design expert systems, artificial intelligence [AI], and machine-learning software based on the observable thought-process heuristic used by the human brain's logical-flow reasoning to diagnose situations and propose solutions. Well-educated mechanical engineers see human anatomy as the "best configuration" schematic for designing modern robots. In each example, creative, intellectual minds of men and women spent months [years] in labs engineering multiple iterations of intentional designs that get tested and updated, modified and improved upon, in order to bring innovative technologies into various market applications.

The MacBook is an amazing device, through which I watch movies, build spreadsheets, access the web – in fact I am writing this book on my Mac. Could the component parts AND 55 million lines of complex code just appear given enough time? What about the intricate nanotechnology within the Dandelion, which are organically far more complex than my MacBook? How about the sub-cellular devices, systems, and complex genetic-coding happening within the Cell? That DNA operating system is coded onto a sub-cellular double helix that averages about 2 meters in length per cell. This equates to over 575 billion kilometers total length in just one human body – twice the diameter of our solar system! How then would someone embrace the hypothesis that the overwhelming complexity of 23 interdependent bodily systems fully integrated onto a rigid calcium frame covered by 22 square feet of exterior living fabric just

accidentally, randomly occurred over time? And a living human organism can also reproduce itself. Even if a skeptic jumps ahead and states, "Well, anything's possible with enough time", the problem in that statement is **there is NOT enough time** in the 10^{17} universe to make it work. While probability analysis is not proof that God exists, or that the Biblical Christian Worldview is correct, it does demonstrate a very troublesome practical futility for the Naturalist Worldview attempting to demonstrate that, given enough time, random chance without any purpose could have resulted in complex systems simply by accident – and without God. Scientific, mathematical, statistical verification that there is not enough time to accommodate the requisite iterations and permutations needed for random chance to produce highly-ordered mechanisms, along with the operational INFORMATION, renders the Naturalist position to be unreasonable, implausible, and essentially highly unlikely. As such, the alternative Worldview offers a much better explanation.

Certainly there are many other topics that could have been explored regarding Worldview. My objective is to show a logical, rational thought-process to engage the skeptic's atheistic Naturalist Worldview compared to the Biblical Christian Worldview. [Remember, the Theistic Evolutionary Worldview has essentially the same problems as the Naturalist]. Many Naturalist scientists are quick to drop statements such as, "Well, we all know that evolution is generally accepted and no longer debated". But that is far from the truth. It remains an actively debated topic, even among secular chemists, biologists, astrophysicists, and medical doctors. The existence of a creator-God can very logically be inferred as a rational alternative when scientific statistical analysis of random chance within the 13.8 billion years of the universe results in absurd probabilities well outside the realm of what science terms "possible". Worldview serves as your basis for reading the other eleven books in this Apologetics series.

Additional Worldview Resources from Dr. Newton's Library

- William Dembski ***No Free Lunch*** [2001]
***Intelligent Design: The Bridge Between
Science & Technology*** [2002]
- Michael Behe ***Darwin's Black Box*** [1996]
***Science and Evidence for Design
in the Universe*** [2000]
***God, Intelligent Design, and
Fine Tuning*** [2005]
- A.E.Wilder-Smith ***The Scientific Alternative to Neo-Darwinian
Evolutionary Theory*** [1987]
- Geoffrey Simmons ***What Darwin Didn't Know*** [2004]
- Mark Eastman ***Creation By Design*** [1996]
- Larry Witham ***By Design: Science And The Search
For God*** [2003]
- Michael Denton ***Evolution: A Theory In Crisis*** [1985]
Evolution: Still A Theory In Crisis [2016]
- Gerald Schroeder ***The Science of God*** [1997]

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