

SCIENCE

Science and Scripture affirm God's design, creation and Biblical truth

THE INTELLIGENT DESIGN and creation of the universe, earth and life can readily be seen throughout creation. This is recognized by most scientific disciplines including Astronomy, Biology, Archaeology, Microbiology, DNA research, Physics, mathematics and others. Advancing technology continues to make God's design and creation more apparent while exposing the flaws of human theories such as evolution, random/natural selection, survival of the fittest and "the big bang." Still, many refuse to acknowledge the paradox of "intelligent design and creation" without an "intelligent designer and creator."

Scientific claims considered indisputable in one generation are often considered foolish by the next. No longer are holes drilled in heads to release evil spirits, nor are leeches used to "bleed out" many maladies, and today, bathing is even viewed as healthy. In 1943, the President of IBM estimated a world market for perhaps five computers. Today, there are about ten billion computers in the world. When the internet first appeared, it was regarded by many as only an academic tool with little practical value. Today, there are billions of internet subscribers.^[#161, #162] Still, many exhibit a reverence toward science and philosophy that should be reserved for God alone.

Scientific discoveries should be celebrated, but nothing has been "discovered" that wasn't already there. The changes and contradictions consistently evident in science over time, eliminate science from ever being considered "the final word" or a reliable truth standard. As modern advancing technologies

further scratch the surface of God's amazing design and creation, a much higher knowledge and truth than mankind's becomes increasingly evident to all.

Scientific opinions and human philosophies are an ever-changing snapshot of human knowledge at a point in time. Scripture/the Bible is God's timelessly inspired, objectively verifiable, unchanging, consistently reliable truth standard for all people of all times. No other writing or knowledge known to mankind even remotely approaches the verifiable proof of Biblical truth.

- We must not build on the sands of an uncertain and ever changing science...but upon the rock of inspired Scriptures

Sir Ambrose Flemming --Scientist – Inventor - 1849-1945),
British electrical engineer; inventor of the vacuum tube

This "Science" section affirms the Scriptural truth of God's design and creation of the universe, Earth and life. Evolution is addressed separately because it simply does not meet the minimum evidence criteria of traditional science. At the same time, discrediting evolution does not directly prove Scripture is God's truth. Nevertheless, many still cling to the notion that the unsupported theory of evolution somehow rationalizes their disbelief in God and Scripture.

Extensive quotations by prominent scientists are included in both the Science and Evolution sections because the views of most are shaped by the publicized views of pro-evolutionists, not by actual personal research. Yet, these published views often arbitrarily reject scientific or any other proof of God's design and creation. Since many are unwilling to even consider Scriptural proof of God, the Science section and the Evolution appendix are heavily populated with direct quotations of reputable Christian and non-Christian scientists (and even some atheists and anti-Christians). This diversity demonstrates that Intelligent design is much more widely accepted and evolution much more widely rejected than many people realize.

Contrary to the views of post-modern relativism, truth is truth. Christianity and science only oppose each other when people contradict Scripture without proof, or claim “the Bible says things” it does not say. Christian truth is based on an objective verifiable, unchanging, consistently reliable Bible truth standard. Not one statement or truth in Scripture has ever been disproved. The world and science have no such truth standard and cannot truthfully make such a claim.

Science and Christianity are not at odds with one another.

- Through science man strives to learn more mysteries of creation. Through religion he seeks to know the creator. Neither operates independently. It is as difficult for me to understand a scientist who does not acknowledge a superior rationality behind the universe as it is to comprehend a theologian who would deny the advances of science. ... As we learn more about nature, we become more deeply impressed and humbled by its orderliness and unerring perfection.”

Wernher Von Braun --Scientist – **Astrophysicist** - 1912-1977 –
Director of NASA; Leader of the American Apollo moon mission.

When unproven scientific theories are “adjusted” to fit a pre-determined bias against God and Scripture, neither science or truth are served. Many readily acknowledge the truth of intelligent design and creation, yet reject an “intelligent designer” or “creator-God.” Others see that all verifiable evidence supports God’s creation of fully-formed people and that all life “reproduces after its own kind.” Yet many embrace “theories of evolution” and bolt-on accessories, for which no verifiable evidence can be demonstrated.

God provides the Answers, but people must still seek them out

- “In the presentation of a scientific problem, the other player is the good Lord. He has not only set the problem but also has devised

the rules of the game – but they are not completely known, half of them are left for you to discover or to deduce. The uncertainty is how many of the rules God himself has permanently ordained, and how many apparently are caused by your own mental inertia, while the solution generally becomes possible only through freedom from its limitations. This is perhaps the most exciting thing in the game” -

Erwin Schroedinger -Scientist – Physicist; **1933 Nobel Prize**
in Physics - New productive forms of atomic theory

Divine creation is the only view consistent with all the evidence

- “Science and religion are very much alike. Both are imaginative and creative aspects of the human mind. The appearance of a conflict is a result of ignorance. We come to exist through a divine act. That divine guidance is a theme throughout our life; at our death the brain goes, but that divine guidance and love continues. Each of us is a unique, conscious being, a divine creation. It is the religious view. It is the only view consistent with all the evidence.

Sir John Eccles --Scientist - Medicine and
Physiology - (1903 -1997) - 1963 Nobel Prize in Medicine and
Physiology

- “The more I study science, the more I believe in God.”
Albert Einstein --Scientist, Physicist, 1879-1955;
Theory of Relativity

SCRIPTURE REVEALED MODERN SCIENTIFIC “DISCOVERIES” THOUSANDS OF YEARS AGO

The Bible is not a science book and does not oppose or compete with science or truth. However, many modern “scientific discoveries” were reported thousands of years ago in the simple unfolding of God’s ways and truths in Scripture. It is therefore, only reasonable to believe that many other truths of

the universe, Earth and life remain locked in Scripture, waiting for science to catch-up.

- “It is not at all incredible, that a book which has been so long in the possession of mankind should contain many truths as yet undiscovered”

Bishop Butler --Theologian

God’s inspired Scripture has proven so reliable it deserves to be universally regarded as the ultimate roadmap for science and mankind (and it is). Medicine, anthropology, archaeology, government, law, religion, the origin of life and the universe and countless other pillars of civilization are all firmly rooted in verifiable Bible truth!

Christianity is not religion, but, experimentally testable science

- *“When I began my career as a cosmologist, I was a convinced atheist. I never in my wildest dreams imagined that one day I would be writing a book purporting to show that the central claims of Judeo-Christian theology are in fact true, that these claims are straightforward deductions of the laws of physics as we now understand them. I have been forced into these conclusions by the inexorable logic of my own special branch of physics. - From the perspective of the latest physical theories, Christianity is not a mere religion, but an experimentally testable science”*

Frank Tippler – Mathematical, Physics, Cosmology professor;
Author: ‘The Physics of Christianity and the Physics of Immortality’

While truth should have no ego, many simply find the alternative of acknowledging God’s existence and sovereign authority untenable. They tenaciously cling to discredited theories without proof simply because they contradict God and Scripture.

- “If we need an atheist for a debate, we go to the philosophy department. The physics department isn’t much use.”

Robert Griffiths winner of the Heinemann prize in mathematical physics.

SCIENTIFIC TRUTHS IN SCRIPTURE LATER “DISCOVERED” BY SCIENCE:

Invisible Elements ^[#23, 27]

Bible: Hebrews 11:3 (75 AD): “...Earth formed at God’s command, so that what is seen was not made out of what was visible.”

Ancients: Things were only as they visibly appeared.

Science: 1897 – J.J. Thomson discovered the electron; proposed model of (invisible) atom that comprises all visible matter

The sun moves in the universe ^[#27]

Bible: Psalm 19:4,6 (1500 BC): “It [the Sun] rises at one end of the heavens and makes its circuit to the other; nothing is deprived of its warmth. Job 9:7 “Which commandeth the sun, and it riseth not...” (KJV)

Ancients: The sun revolves around the earth; Later, the sun is stationary

Science: 1900’s –The sun moves through space at 600,000 mph in a huge circuit (just as the Bible says)

Circular Shape of the Earth ^[#23, 24, 27, 48G]

Bible: Isaiah 40:22 (700 BC)– “It is he that sits upon the circle* of the earth”

(Also Proverbs 8:27 – 1000 BC) (* Hebrew Chuwg: Spherical)

Ancients: Ancients believed earth was flat and the center of the universe

Science: 400 BC –Aristotle claimed the earth was round (rejected);
240 BC Eratosthenes proved earth was round using geometry.
1475 AD Copernicus discovered
1492 AD Columbus sailed beyond “edge of the flat world”
1519 AD Magellan crosses Pacific
1615 AD - Galileo claimed earth was not the center of the universe.

The Earth is suspended in space ^[#24, 27]

Bible: Job 26:7 (1500 B.C.) – “He hangs the earth upon nothing.”
Ancients: The Earth rested on back of tortoise or shoulders of a giant.
Science: 1615 – The earth is a planet among many in in a solar system. - Discovered by Galileo (Heliocentrism)

“He stretches out the north over the void and hangs the earth on nothing. He binds-up the waters in his thick clouds, and the cloud is not split open under them. He covers the face of the full moon and spreads over it his cloud. He has inscribed a circle on the face of the waters at the boundary between light and darkness. The pillars of heaven tremble and are astounded at his rebuke.”

(Job 26:7-11 – ESV) ...

Vast Number of Stars ^[#22, 27, 48G]

Bible: Jeremiah 33:22 (600 BC) “As the host of heaven cannot be numbered, nor the sand of the sea measured, so will I multiply the descendants of David” (Also Heb.11:12, Isaiah 40:26)
Ancients: Only 1,200 to 3,000 stars are visible to the naked eye (125 AD Hipparchus)
Science: 1600s Galileo invented the telescope and determined there were many more stars.
1900s –Science estimated the existence of 10^{21} stars and 10^{25} grains of sand ^[1]

Every Star Is Unique ^[#22, 27]

Ancients: Stars are only visible as Indistinct points of light in a heavenly spectra
Bible: 1 Corinthians 15:41 (55 AD) – “ - another glory of the stars; for one star differs from another star in glory.”
Science: 1600 A.D. - Galileo first saw stars as unique heavenly bodies in space.
1900s - Power telescope show each star is a unique body.

Life Is In The Blood ^[# 27]

Bible: Leviticus 17:11 (1500 BC) “For the life of the flesh is in the blood
Ancients: Until 1800s, sick people were bled to rid them of “infected blood” –
Science: 1616 AD William Harvey discovery: Blood circulation is key factor in physical life (i.e.; Oxygen to lungs, nourishment, etc.

Springs in the Ocean ^[# 27]

Bible: Job 38:16 (1500 BC) “Have you journeyed to the springs of the sea – or walked in the recesses of the deep?
Ancients: Prior to the 1900s, the oceans were thought to be fed by rivers and streams;
Science: 1970s Deep diving submarines first discovered springs on the ocean floors feeding the oceans.

Mountain Peaks in the Ocean ^[#25, 27]

Bible: Jonah 2:3-6 (800 BC) “..deep surrounded me; seaweed was wrapped around my head. To the roots of the mountains I sank down”
Ancients: Until 1900s there was no knowledge of the ocean floor
Present – Scientists are still discovering towering mountains/ranges on the ocean floor. ^[#4]

Wind Patterns/ Currents ^[#23, 27]

Bible Ecclesiastes 1:6 (950 BC) “The wind blows to the south and turns to the north; round and round it goes, ever returning on its course.

Ancients: The wind blows straight. It’s source was unknown

Science: 1900s - Meteorologists discovered and calculated the path of Jet streams (35-50,000 feet above the earth).

All Land Was One Mass ^[# 27, #6]

Bible: Genesis 1:9-10 “And God said, “Let the water under the sky be gathered to one place, and let dry ground appear.” And it was so.¹⁰God called the dry ground “land,” and the gathered waters he called “seas.” Genesis 10:25 “And unto Eber were born two sons: the name of one was Peleg; for in his days was the earth divided...”

Ancients: Until the 1500s a world with other major land masses was unknown

Science: 1900s Geologists increasingly agree that the continents once existed as one large land mass (just as the Bible says) – [The separation may have occurred when the “fountains of the deep burst forth in the flood of Noah’s time (Genesis7:11)]

Water Recirculation / Hydrologic Cycles ^[#26, 27, 28,29]

Bible: Ecclesiastes 1:7 (950 BC) “All streams flow into the sea, yet the sea is never full. To the place the streams come from, there they return again.

Bible: Job 36:27-29 (1500 BC) “For He draws up drops of water which distill as rain from the mist, Which the clouds drop down and pour abundantly on man. Can anyone understand the spreading of clouds and thunder from His canopy (**Psalm 135:7, Jeremiah10:13**)

Ancients: Water and rivers came from rain; with rivers flowing into the oceans

Science: 500BC Rudimentary hydrologic process considered by Greek scholars - **Science: 1582 AD** Bernard Palissy first wrote about water evaporation cycle in his book “*Discours Admirables*”.

Science: 1874 AD Isaac Vail first proposed the earth *canopy theory*

Science: Late 1900s – Thermohaline circulation, sometimes called the ocean conveyor belt, recycles the earth’s water

Man formed out of the dust ^[#19, 27]

Bible: Genesis 2:7 (1500 BC) “And the Lord God formed man of the dust of the ground and breathed into his nostrils and man became a living being.

Ancients (Greeks): People originally sprang-up out of the earth like plants

Science: 1900s –The human body is comprised of 28 trace elements found in earth. 99-percent of body mass consists of six earth elements: carbon, Phosphorus, oxygen, calcium, hydrogen, nitrogen

Human Reproduction ^[#12, 27]

Bible: Genesis 1:27-28 (1500 BC) So God created mankind in his own image, in the image of God he created them; male and female he created them. ²⁸God blessed them and said to them, “Be fruitful and increase in number; fill the earth and subdue it. (Gen 2:24, Mk 10:6-8)

Bible: Genesis 1:25 – (1500 BC) – “And God made the beast of the earth according to its kind, cattle according to its kind, and everything that creeps on the earth according to its kind.”

Ancients/world: Science still has no explanation for how male/female reproductive organs could have “evolved” at the same time.

Science/Truth: The truth and purpose of reproduction, “Every creature reproducing after its own kind”, remains intact

Wind has Weight ^[#27]

Bible: Job 28:24-25 (KJV) (1800 BC) “**For he looketh to the ends of the earth, and seeth under the whole heaven; To make the weight for the winds; and he weigheth the waters by measure.**”

Ancients: Water and are are weightless

Science: 1700s – The weight of air was discovered as part of a study of the world’s hydrological (air/wind) cycles

Human Eye / Seeing ^[#13, #11?]

Bible: Proverbs 29:13 (1500 BC) - The poor and the oppressor have this in common: The Lord gives sight to the eyes of both.

Bible: Job 30:19 (2000 BC) – Light is always moving; (Job 25:5) – The moon reflects light and (Job 38:24) – Light contains seven colors.

Ancients: Plato theory (400 BC) : “a stream of light or fire” emanated from the eye, rebounded off of an object, and combined with sunlight, allowing it to be seen by the eye.

Science: 1100 AD - Persian scientist Ibn al-Haytham developed his theory that the eye was merely an optical instrument in his writing *The Book of Optics*.

Science: 1916 – Albert Einstein’s Theory of Relativity showed that light is always moving, and also recognized a light spectrum of seven colors.

A Single Force (Jesus Christ) Holds All Things Together ^[#166]

Bible: Colossians 1:17 (64 AD) - And he [Jesus] is before all things, and by him all things consist.

Ancients: Heraclitus (540-480 BC) believed everything was held together by a unifying force called the logos.

Science: 21st Century - Today, scientists believe light makes photons that are at the heart of magnetism. Without electromagnetism, “atoms themselves would not hold together” and “if electromagnetism was turned off, matter would dissolve.”

GOD’S INTELLIGENT DESIGN IS REVEALED AND AFFIRMED THROUGHOUT HIS CREATION

One need not understand how a skyscraper was built, an apple pie was made or an acrobat performs a double back flip, to know that a builder, cook and

gymnastics coach exist. Yet, many paradoxically acknowledge the intelligent design and creation of the universe and life, but reject the “designer and creator.”

Only the Spiritually blind can gaze into the night sky, look into the inquiring eyes of an infant or behold the endless thundering motion of the ocean and not see the awesome power, wonderful creativity and amazing workmanship of God.

- “Every house is built by someone, but the builder of all things is God.” (Hebrews 3:4 NAS)
- “*But ask the beasts, and they will teach you; the birds of the heavens, and they will tell you; or the bushes of the earth, and they will teach you; and the fish of the sea will declare to you. Who among all these does not know that the hand of the Lord has done this?*” (Job 12:7-9 ESV)
- “*The more I study nature, the more I stand amazed at the work of the Creator.*” “*Science brings men nearer to God.*”

Louis Pasteur [1822-1895]-Father of Microbiology, “pasteurization”

- “The fine tuning of the universe provides prima facie evidence of deistic design. Take your choice: blind chance that requires multitudes of universes or design that requires only one.... Many scientists, when they admit their views, incline toward the teleological or design argument.”

Edward R. Harrison- Cosmologist and Astronomer

The Complex order of physical world requires deliberate design

- “Through any but blinkered eyes the biological world shows clear signs of planning and order. It is not the order that constitutes a crystal, but a more complex order--the kind revealed in a developing seed

or a growing embryo--the kind that, in any other context, we would unhesitatingly think of in terms of ingenuity and deliberate design”

Michael Pitman --Scientist, Chemist; Professor at Cambridge.
Author of *‘Adam and Evolution’* - a critique and rejection of Darwinism

- “Blind metaphysical necessity, which is certainly the same always and everywhere, could produce no variety of things. All that diversity of natural things which we find suited to different times and places could arise from nothing but the ideas and will of a Being, necessarily existing.”

Sir Isaac Newton --Scientist - Physicist, Inventor - 1642-1727 -- One of most Influential scientists of all time; Key figure in the scientific revolution.

Any “scientific truth” that does not start with God’s revealed truths in Scripture/the Bible starts with finite human theories about infinite truths that mankind has no other way of comprehending. God’s Biblical truth standard reveals everything people must know about God, Jesus Christ, the Holy Spirit. One need only believe God to respond to His truths, ways, plans, purpose and promises, as He has always intended.

GOD’S DESIGN AND CREATION IS AFFIRMED THROUGHOUT THE UNIVERSE

God’s “fingerprints” are clearly seen throughout the incredible diversity of His creation, and affirmed by inspired Scripture. An inborn knowledge of God in every individual and a universe that shouts God’s glory, further declare God’s majesty and truth. God’s power and amazing creative ingenuity are evident to all who are willing to see.

God’s intelligent design is evident in the intricately complex and inter-related systems of the human body. None of these could have randomly, gradually or independently evolved on their own! Did wingless birds or

reptiles somehow gradually develop unused wing stubs over millions of years until they finally sprouted feathers and flew? – That is no more absurd than the notion that inter-dependent human systems individually or spontaneously evolved until they were able to perform their overall role in the human body.

Every part of a living thing depends on all of its other parts to function

- “The world is too complicated in all its parts and interconnections to be due to chance alone. I am convinced that the existence of life with all its order in each of its organisms is simply too well put together. Each part of a living thing depends on all its other parts to function. How does each part know? How is each part specified at conception? The more one learns of biochemistry the more unbelievable it becomes unless there is some type of organizing principle--an architect”

Allan Sandage --Scientist – Astronomer; PhD from California Institute of Technology. Graduate Assistant to Edwin Hubble (Telescope). National Medal of Science (1970), Crawford Prize in Astronomy (1991)

Scientific knowledge, not mankind, evolves. Advancing technology has revealed previously unseen DNA genomes, sub-atomic particles and astrophysically detected bodies at the ends of the known universe. These discoveries exceed and confound the “wisdom” of all who exchange God’s infinite, marvelous creation for finite human theories and philosophies. The more physicists, astronomers, mathematicians and other scientists learn about life and the universe, the more certain they are that “intelligent design and creation” is the only rational explanation that fits the evidence!

Man was created in God’s image with dominion over other life forms:

- “Then God said, “Let us make man in our image, after our likeness. And let them have dominion over the fish of the sea and over the birds of

the heavens and over the livestock and over all the earth and over every creeping thing that creeps on the earth.”

(Genesis 1:26 - ESV)

Random changes cannot produce complex body systems

- “My fundamental problem with the theory is that there are so many highly complicated organs, systems and structures, from the nature of the lung of a bird, to the eye of the rock lobster, for which I cannot conceive of how these things have come about in terms of a gradual accumulation of random changes. It strikes me as being a flagrant denial of common sense to swallow that all these things were built up by accumulative small random changes. This is simply a nonsensical claim, especially for the great majority of cases, where nobody can think of any credible explanation of how it came about. And this is a very profound question which everybody skirts, everybody brushes over, everybody tries to sweep under the carpet.”

Michael Denton-PhD, Senior Fellow in molecular biology;
Author :’Evolution: A Theory in Crisis.’

COMPLEX, INTERRELATED BODY SYSTEMS SHOUT GOD’S DESIGN!

Human Brain: ^[#16]

According to Isaac Asimov, “The brain is the most influential organ of the body, enabling one to think, remember, feel, reason, imagine, and analyze. The brain controls hearing, sight, smell, speech, eating, resting, learning and everything else that influences ones behavior.” The average brain weighs about 3 pounds and contains 12 billion cells, each of which is connected to 10,000 other brain cells, making 120 trillion connections! The human brain can perform 38 thousand-trillion operations per second. The world’s most powerful supercomputer, Blue Gene, can manage only .002% of that.

The brain stores so much long-term memory data that by age 40, it would take an Empire State building full of computers to store the same information. ^{.[#12]} In a lifetime, the brain’s long-term memory can hold a quadrillion (million-billion) separate bits of data. ^{.[#17]} Science doesn’t understand where all of this memory is stored or how short and long-term memory are retrieved.

The human brain processes more than a million messages per second. It also processes an amazing range of information: colors, seen objects, ambient temperature, the pressure of one’s feet against the floor, surrounding sounds, the dryness of the mouth, even the texture of a keyboard. The brain holds and processes all of one’s emotions, thoughts and memories and keeps track of the body functions like breathing pattern, eyelid movement, hunger and movement of the muscles in one’s hands.

The brain also screens and prioritizes data, allowing one to make situation- based decisions and interact with other people and the world. The brain has “intelligence” unlike any other organ. This allows humans to reason, produce feelings, dream and plan and take action, and relate to other people. ^{.[#11]} The human brain uses twenty-percent of the body’s entire oxygen, blood and calorie intake, yet, accounts for only about two-percent of the adult body mass. ^{.[#16]}

Human Heart:

“The Heart: pumps 5 to 6 quarts of blood per minute, or 5,000 gallons of blood each day. During heavy exercise, the heart can pump almost 20-quarts of blood per minute! It is the hardest working muscle in the body, beating 100,000 times per day or about 2.5 billion times in a 70-year lifetime while moving blood 168 million miles around the body. The heart ‘pumps’ steadily second by second, minute by minute, hour-by-hour, pushing for 70 to 90 years! The heart can even keep beating briefly when separated from the body, because it has its own electrical impulse. ^{.[#17]} The blood flows through capillaries so tiny that blood cells must pass ‘single file’ to pass nutriments along

to the body and pass waste out of the cells into the lymph vessels where it is carried away.^{.[#12]}

Human Eyes

God's Intelligent design can be seen in the human eye. The human eye is so complex and sophisticated that scientists still do not fully understand how it works. The eye completes 100,000 separate functions in a single day, and while we sleep it conducts its own maintenance work. The eye has automatic aim, focus, aperture adjustment, provides color and 3-dimensional images, and can function in darkness to bright light automatically. The eye is a product of intelligent design and could not have randomly evolved."^{.[#12]} In 1872, Charles Darwin stated: "*To suppose that the eye could have been formed by natural selection seems, I freely confess, absurd to the highest degree.*"

"The eye...can distinguish among seven million colors. It has automatic focusing and handles an astounding 1.5 million messages -- simultaneously.^{.[#11]} The human eye is so sensitive that if the Earth were flat, you could spot a candle flickering at night from up to 30 miles away. The focusing muscles in your eyes move around 100,000 times a day. To give your leg muscles the same workout you'd need to walk 50 miles.^{.[#16]} "The amount of radiation (light energy) necessary to stimulate the human optic nerve is so small that if the mechanical energy required to lift a single pea one inch up in air was converted into light energy, it would provide enough stimulus to activate the optic nerve."^{.[#13]}

Human Ears:

"The human ear's sensory response to sound is so sensitive that it works when the pressure on the ear drum that is no greater than two ten-thousandths of a millionth of barometric pressure. This miniscule pressure moves the ear drum about one one-hundred millionth of an inch (approximately one one-hundredth the width of a hydrogen molecule, the tiniest of all known molecules)."^{.[#12]} **The human ear** with its 24,000 "hair cells" converts vibrations into electrical impulses, and is capable of hearing an astonishing range

of sounds. Under favorable conditions a normal person can perceive sound waves with the power of only 10^{16} (1/10,000,000, 000,000,000) of a watt. This is so little energy that, if our ears were slightly more sensitive, we could hear the noise of the collision of molecules in the air.^{.[#13]}

Human Body Temperature Control (Hypothalamus)

"The tiny hypothalamus gland located inside the human brain is like an automatic thermostat that works day and night to keep our body at 98.6 degrees. If the body is too hot, a part of the brain sends a message to part of two-million sweat glands to start sweating. A second message is sent to expand the blood vessels, bringing the over-heated blood closer to the skin. ---If the body is too cold, messages are sent to shrink the blood vessels, bringing the blood away from the cold skin. At the same time the muscles are instructed to vibrate to generate warmth. In thirty-minutes, the human body gives off enough heat to bring a gallon of water to the boil.^{.[#16]} --

All this is accomplished with no conscious human thought, yet involves a highly complex design and function.^{.[#12]} This incredibly efficient system can keep people alive in extreme temperatures.

Human Bones (Skeletal Structure)

Without bones, the human body would be like a jellyfish. Each of 206 bones differ from the others and yet, are perfectly shaped and connected to perform the precise function it did. The human skeletal structure is light and flexible yet can withstand enormous stress.^{.[#12]} Human bone is as strong as granite. A block of bone the size of a matchbox could support nine tons of weight.^{.[#16]} Finger joints move like a door on its hinges, while shoulders and upper legs have ball-and socket joints, so they can turn in every direction. Ligaments hold the joints together, and each moving joint is lined with a membrane that secretes a fluid to keep the joints "oiled" and working smoothly while the ends of each joint has a plate of very smooth cartilage over it to provide a slick surface for rotation. Inside the bones a spongy material called marrow helps provide great strength, yet makes the bones much lighter in weight. While

there are only two bones in one's head: the skull and jaw, there were many movable bones at birth, which allowed the head to squeeze through the birth canal. Later, they fused together. The human skeletal structure was carefully designed.”^{.[#12]}

Human Muscles

Muscles are attached to the bones in the body at exactly the right places. One end of each muscle is attached to a movable bone, the other to a less movable one. Muscles are elastic and work in pairs: Most body movements require several pairs of muscles working together. There are two types of muscles: voluntary and involuntary. The voluntary ones change body positions and only work when you want them to; the involuntary work automatically, controlling motion inside the body, circulating the blood, moving food along the digestive tract, and make eye adjustments.”^{.[#12]} When a person takes one step, they use up to 200 muscles.^{.[#17]} Human strength is limited to protect our tendons and muscles from harming themselves. This limitation can be removed during an adrenaline rush, during which some people have lifted boulders or even cars.^{.[#16]}

Human Skin

“**The lining of our skin** turns over about every two to four weeks. We shed about forty pounds of skin in a lifetime, completely replacing the outer skin every month.^{.[#12]} - Most of the “dust” under one's bed may well be one's own dead skin. Human fingers are so sensitive, that if your fingers were the size of Earth, you could feel the difference between a house and a car.^{.[#16]}

Skin color also contradicts theories of natural selection: If natural selection were true, Eskimos would have fur to keep warm, but they are just as hairless as everyone else. Humans in the tropics would have silver, reflective skin to help them keep cool, but they have black skin, just the opposite of what the theory of natural selection would predict. Humans at northern latitudes would have black skin, but they have white skin instead, except for Eskimos whose skin is halfway between white and black. The people from

Russia and the Nordic countries have white skin, blonde hair and blue eyes. This is the opposite of what one would predict if natural selection controlled skin color.^{.[#34]}

To convey information about temperature and other body conditions to the brain, the skin alone has about four million receptors which are sensitive to pain, one-half million receptors sensitive to touch and 200 thousand receptors sensitive to temperature.^{.[#13]}

Human Circulatory System / Blood Vessels

The human circulatory system flushes impurities out of the system and circulates blood throughout the body. With the 60,000 miles of blood vessels inside the average human body, you could circumnavigate the Earth two and a half times. For every pound of fat or muscle gained, the body creates seven miles of new blood vessels.^{.[#16]} -- The urinary system purifies the blood and the lymphatic system cleans body tissues. The liver, kidneys, mammary glands, skin sweat and oil glands, and endocrine glands contain even more complex and compact systems.^{.[#12]} These bodily systems cannot operate independent of the body, nor can the body operate independent of these systems. So did they all “simply evolve” to meet a yet, undefined future need?

Human Digestive System

Three and one half pounds of daily food intake is chewed and mixed with saliva, a mild acid secreted from five glands in the mouth area. (The average person produces about 25,000 quarts of saliva in a lifetime; enough to fill-up about two swimming pools). The pharynx contracts allowing the average person to swallow two-thousand times per day. Food then passes down the ten-inch esophagus to the stomach where the cardiac valve guards the top end, and the pyloric valve the bottom end. Within the stomach, digestion begins with excreted acid powerful enough to eat through varnish on a table. No one has yet explained why these acids do not eat the stomach and everything else inside the body, particularly since within three-days of death, the enzymes that once digested one's dinner begin to eat one's body. This corresponds with

1 Corinthians 6:13 - “Food is for the stomach and the stomach is for food, but God will do away with both of them Yet the body is not for immorality, but for the Lord, and the Lord is for the body”).^{.[#12, 13]}

Human Kidneys

The Kidneys: are the primary filtration and waste removal system and blood cleaning organs. The kidneys contain approximately 280 miles of tubes and filter 185 quarts of water a day from the blood. The kidneys consist of a million nephrons, each a capillary cluster with a coiled tube attached to it. As the blood passes through the capillary cluster, water and waste products filter through the capillary walls and into those tubes. Most of that waste water is cleaned and returned to the blood. The kidneys are like a million little thinking machines, each knowing just what to remove from the blood. The waste fluid drains out into a collecting basin in each kidney called the renal pelvis with tubes leading down into the bladder. When the bladder fills to about 12.2 cubic inches, it signals the brain to void the urine. How can a bag send a signal? How does it know to do it at the right time?^{.[#39]} Why did the body “evolve” to develop two kidneys when only one is required? And if it’s only a spare, why not a spare liver, brain or heart?^{.[#12]}

Human Liver

Next to the skin, the liver is the largest gland, and one of the most astonishing structures in the body! The liver performs thousands of different functions! It is a collection and filtration plant that removes many substances from the blood. It manufactures hundreds of different chemicals including bile, glycogen (stored sugar), and blood clotting aids and preventatives. It is a warehouse that stores iron, vitamins, copper, amino acids, fats, and glycogen. It is a heating plant that produces more heat than anything else in the body except the muscles. Like the kidneys, it filters all the blood, and removes certain waste products for excretion. Beyond the blood cells, the liver and kidneys are the major detoxification systems of the body.^{.[#12]} Did the human liver evolve to dispose of bodily waste; and if so, what happened to the waste prior to the liver’s existence?

Human Respiratory System

The lungs appear to be two cone-shaped organs, nicely designed to fit the space in the chest. The left lung is not as large, making room for the heart just below it. Air enters your nose and passes down to the pharynx, but without the swallow mechanism engaged, the air passes downward into the larynx, past your voice box, and into the trachea, where it is divided into the two lungs. The human lungs can hold up to 5-minutes of oxygen.^{.[#17]} We take about 23,800 breaths per day to bring 438 cubic feet of air into our lungs. The need to breathe so much is due to carbon dioxide buildup more than the need for oxygen. If there was another way to get rid of carbon dioxide from the blood, we would only need to breathe about once per minute.^{.[#16]} The lungs take in life-giving oxygen and remove poisonous carbon dioxide and other waste products. This process is done by over 750 million microscopic air sacs called *aveoli*. If spread flat, they would cover over 600 square feet, a surface area 25 times greater than that of the skin.^{.[#13]}

Human Nervous System And Spinal Cord

The body is controlled and coordinated by over 16 billion neurons and 120 trillion “connection boxes” packed together into an unfathomably complex set of neuro-passage ways. All of this is in a brain and spinal column that weighs slightly over three pounds! In comparison, a bee has only about 900 nerve cells, an ant only 250. Impulses flash along at 300 miles per hour (faster than a Formula 1 race car) in the nerve fibers. The human brain and nervous system is the most complex arrangement of matter anywhere in the universe.^{.[#13]} In fact, our brain’s connected neurons look similar to the structure of the universe.^{.[#16]}

The spinal cord conducts impulses from the brain to the body, and also operates as a separate reflex center. The nervous system is designed so nerve impulses warning of danger need not travel far before a message is sent back to take proper action. When one touches something hot, the spine sends the message to quickly move the hand away. Cranial nerves attach directly to the brain and carry impulses between the brain and various parts of the head

(sensory organs, swallowing, speech, hearing, sight, tongue, jaw, etc.). Other cranial nerves connect with organs in the thorax and abdomen. Spinal nerves attached to the spinal cord carry impulses from the skin and internal organs to the central nervous system. ^[#12]

INVISIBLE BODY ELEMENTS (DNA, CELLS, CHROMOSOMES, ATOMS, CHEMICALS, ETC)

The Bible refers to “the visible being made of the invisible.” The ancients did not understand what that meant prior to the 20th Century discovery of atomic and sub-atomic particles, molecules, cell structures, DNA and other ‘invisible things.’

- By faith the universe was created by the word of God, so what is seen was not made out of things that are visible. (**Hebrews 11:3 ESV**)
- For by him all things were created, in heaven and on earth, visible and invisible, whether thrones or dominions or rulers or authorities—all things were created through him and for him.

Colossians 1:16 – (ESV)

Human DNA

The human DNA molecule is so unbelievably complex that if it were typed-out, it would produce enough books to fill the Grand Canyon 40 times over! The average person has 50 trillion cells in their body. Each of those cells contains 46 chromosomes. All chromosomes in the body amount to about two tablespoons. But if stretched-out and tied together, one person’s chromosomes would reach from the earth to the moon and back five million times! ^[#12] Almost half of one’s genes describe the complex design and function of the brain, with the other half describing the organization and function of the other 98-percent of one’s body. ^[#17]

- “..We then examine a particular coding system **in DNA** and discover that Universal Information [UI] is conveyed within the genes. Using this DNA evidence and scientific laws governing UI as premises, we are

able to develop sound, logical deductions. This leads us to the following conclusion: the God of the Bible exists and He is responsible for originating and embedding Universal Information into biological life.”

—**Werner Gitt**, Director and Professor at the German Federal Institute of Physics & Technology,
(Excerpt from his book *Without Excuse*,

Human DNA Code:

“The DNA code informs and programs a cell’s behavior. All instruction, all teaching, all training comes with intent. Someone who writes an instruction manual does so with a purpose. In every cell of the human body, there is a very detailed instruction code much like a miniature computer program. The DNA code in each cell is made up of four chemicals that scientists abbreviate as A, T, G, and C. There are three billion of these lettered program/instructions in every human cell that tell people to act in a specific way! These are not just chemicals. They are codes that instruct the development of the entire human body. – Except for God’s creation, an explanation of how they got into each cell is unknown. There is no known natural, biological cause that can produce precise programmed information. DNA has been intentionally constructed!” ^[#11, 12]

Human Chromosomes

Every species has a fixed number of chromosomes within its DNA structure. This “fixity of species” scientifically affirms the scriptural truth in Genesis 1 that, “Every living thing reproduces “after its own kind” plants, trees, fruit (11-12), birds and fish (20-23), animals and living creatures (24-25) and humans (27-28). **Humans always have 46 chromosomes;** a dog has only 22 chromosomes, a **monkey has 54** and a cat has 38. People always give birth to people. Dogs always give birth to dogs, etc. While the genes can produce variety within the human species (short, tall, fat, thin, blond, brunette, etc), they are all still humans. Chromosomes make mingling of the species an uncrossable barrier, stopping the “theory” of evolution in its tracks. While some species are close enough to crossbreed, the offspring are invariably sterile (i.e.; horses and donkeys crossbreed to produce a mule). ^[#34, 41]

Human Cells ^{.[#12]}

Engineers at Washington University have estimated there are around 10^{14} atoms in a typical human cell. That equates to 100,000,000,000,000 or 100 trillion atoms. The number of cells in the human body is estimated to be about the same as the number of atoms in a human cell. The body produces 2 to 10 million blood cells every second, and replaces over 1 trillion cells in a day. If one individual's red blood cells were lined-up end-to-end, they would circle the equator four times!

- “Given enough time a simple, single cell organism will never evolve into a complex structure with more than 60,000 proteins and 100 different configurations all in the correct place!”

Michael Denton – *Evolution, A Theory in Crisis*, pg. 263

Cellular secrets shout “design!” Greatest achievement in scientific history

- “Over the past four decades modern biochemistry has uncovered the secrets of the cell. The progress has been hard won. It has required tens of thousands of people to dedicate the better parts of their lives to the tedious work of the laboratory. ... The result of these cumulative efforts to investigate the cell--to investigate life at the molecular level--is a loud, clear, piercing cry of ‘design!’ The result is so unambiguous and so significant that it must be ranked as one of the greatest achievements in the history of science.”

Michael Behe Ph.D. --Micro-Biology, Biochemist,
Author: ‘Darwin’s Black Box’

Human Chemistry:

Chemically, the body is unequalled in its complexity. Each one of its 30 trillion cells is a mini-chemical factory which performs about 10,000 chemical functions. Every cell has 10^{12} (one trillion) bits of data —equal to every letter in ten million books! Each is replaced every seven years. Each is independent,

yet cooperates with many millions of other cells. The body’s chemical plant is far more complex than any plant man has ever built. This plant changes the food we eat into living tissue. It causes the growth of flesh, blood, bones and teeth. It even repairs the body when parts are damaged by accident or disease. Power, for work and play, comes from the food we eat. ^{.[#14]}

Even though there are over four billion people alive today (50-billion born since Adam), each body would be exorbitantly expensive to build. If its chemical elements were bought on the open market, a medium-sized human body would cost at least six million dollars. ^{.[#13]} Inside each person is around 0.2 milligrams of gold, most of which is in the blood. One would need 40,000 people to collect enough gold to make one 8g coin. ^{.[#16]} The body also has enough iron to make a 3-inch nail.

However, humans are much more than the chemicals that form the body. Mankind is God’s special creation; His masterpiece, workmanship and crown of creation. ^{.[#14]}

Atoms in the Human Body:

In a typical 70 kg **human**, there are almost 7×10^{27} **atoms** (that’s a 7 followed by 27 zeros!) Another way of saying this is “seven billion-billion-billion.” Of this, almost 2/3 is hydrogen, 1/4 is oxygen, and about 1/10 is carbon. These three **atoms** add up to 99% of the total! ^{.[#18]} An adult comprises 7,000,000,000,000,000,000,000,000,000 (7 octillion) atoms. For perspective, there’s a “measly” 300,000,000,000 (300 billion) stars in our galaxy. ^{.[#16]}

Cellular and atomic structure is too complicated for evolution

- “Although the tiniest bacterial cells are incredibly small ... Each is in effect a veritable micro-miniaturized factory containing thousands of exquisitely designed pieces of intricate molecular machinery, made up altogether of one hundred thousand million atoms, far more

complicated than any machine built by man and absolutely without parallel in the non-living world.”

Michael Denton - Senior Fellow in molecular biology;
Author *Evolution: A Theory in Crisis*.

Human Senses:

In addition to the five recognized senses of sound, sight, touch, smell and taste, humans also have fifteen “other senses.” These include balance, temperature, pain, time, and internal senses for suffocation, thirst, and fullness. A condition called synesthesia can cause senses to overlap so some people can taste words or hear colors. ^[#16] (One’s taste buds are replaced about every ten days ^[#17]).

Human Mind:

“Descartes’ Dualism contends that a human being consists of both mind and body. (In another sense, the person is the mind, that has a body, but the mind is an entirely immaterial, nonphysical thing that is not even located in physical space. The mind is distinct from the body and any other physical thing with spatial properties. Yet when the mind and body unite, they casually react in a distinctively intimate way.” (Schaffer)

“Where exactly is that smell of fresh-made coffee?” Some might say the smell is where the coffee is, in the pot and wafting in our direction. But the mental, subjective experience of smelling the coffee isn’t over there in the coffee pot; it’s in the mind. ^[#12, 16, 17]

The Human mind is like nothing else in nature -

- Mind is like no other property of physical systems. It is not just that we don’t know the mechanisms that give rise to it. We have difficulty in seeing how any mechanism can give rise to it

Erich Harth --Scientist, **Physicist**

THE EARTH, PLANETS AND SOLAR SYSTEMS REVEAL GOD’S DESIGN (AND CREATION)

The Earth, planets, solar system, stars and other celestial bodies evidence a supernatural intelligence that designed, created and sustains the universe.

The Earth’s size, location and gravity is perfect for human life.
The Earth’s size and corresponding gravity holds a thin layer of mostly nitrogen and oxygen gases, extending about 50 miles above the Earth’s surface. If Earth were smaller, an atmosphere would be impossible like the planet Mercury. If Earth were larger, its atmosphere would contain free hydrogen like Jupiter. Earth is the only known planet equipped with an atmosphere of the right mixture of gases to sustain plant, animal and human life. ^[#13]

“For thus says the Lord, who created the heavens (he is God!), who formed the earth and made it (he established it; he did not create it empty, he formed it to be inhabited!): “I am the Lord, and there is no other” (Isaiah 45:18 ESV).

The Earth’s distance from the sun perfectly produces temperature swings between about -30 degrees to +120 degrees. If the Earth were any closer or further away from the sun, people would either freeze or burn up. Even a fractional variation in the Earth’s position or distance to the sun would make Earth impossible for human life. Instead, the Earth remains a perfect distance from the sun while it rotates around the sun at a speed of nearly 67,000 mph, and also rotates on its axis, so that the entire surface of the Earth is perfectly warmed and cooled every day.

“And God said, “Let there be light,” and there was light. And God saw that the light was good. And God separated the light from the darkness. God called the light Day, and the darkness he called Night. And there was evening and there was morning, the first day.” (Genesis 1:3-5 ESV)

Water:

Water is colorless, odorless and without taste, and yet no living thing can survive without it. Plants, animals and human beings consist mostly of water. About two-thirds of the human body is water; with the human body taking in about 16,000 gallons of water during a lifetime.

The wide range between the boiling and freezing point of water allows humans to live in an environment of fluctuating temperature change while keeping our bodies a steady 98.6 degrees.

Water is a universal solvent. This property of water means that various chemicals, minerals and nutrients can be carried throughout our bodies and into the smallest blood vessels. But water is also chemically neutral and does not affect the food, medicines and minerals absorbed from water into the body. Water also has a unique surface tension allowing plants to flow upward against gravity, bringing life-giving water and nutrients to the top of even the tallest trees. ^{.[#27]}

Water freezes from the top down and floats, so fish can live in the winter. Approximately 97-percent of the Earth's water is in the oceans. But on Earth, the evaporation process removes salt from the water and distributes it throughout the globe in clouds to meet the needs of vegetation, animals and people. It is a system of purification and supply that sustains life on this planet, a system of recycled and reused water. ^{.[#30]} Unlike any other substance on earth, only water can be a solid, a liquid, or a gas at earth's normal range of temperature and remain stable in each state.

Earth's gravity:

If there was a slight increase in the earth's gravitational strength then the atmosphere would retain too much ammonia and methane, both of which are toxic to life. But a slight decrease in the strength of the earth's gravity and the earth's atmosphere would cause it to lose too much water. In either case life could not exist. ^{.[#12]}

Earth's rotation time:

The time the earth takes to rotate on its axis is critical to the weather balance. If the rotation time (now 24 hours) were increased by just a few percent, temperature variations would be too great to support life. If the rotation time were a little slower, then the wind velocities would be too great and life would be wiped out. ^{.[#12]}

Earth's Magnetic Field:

The Earth's magnetic field protects us from harmful radiation from the Sun. If the magnetic field was slightly less, we would have inadequate protection from the sun's radiation and all of life would die. But if the magnetic field were slightly stronger, then there would be severe magnetic storms and life could not exist. ^{.[#12]}

Axial Tilt of the Earth:

The axial tilt is an important factor in the temperature balance of the earth's surface. The earth is tilted at 23.4 degrees on its axis. If it were slightly greater, the surface temperature differences would be too great to support life. However if the axial tilt were slightly less, surface temperatures would likewise be too great to support life. ^{.[#12]}

Earth's Atmosphere:

Without the air in earth's atmosphere, there would be no weather, no wind, no clouds, no rain, and virtually no noise because sound cannot travel in a vacuum. Without air, nothing could fly and all plants, animals, and people would die! But we have a perfect atmosphere for life. For instance, 8/10ths of the air is seemingly useless to us (78% nitrogen) but is actually important. Oxygen is combustible. Therefore, if there were no nitrogen in the atmosphere, the world would have burned up when the first fire started. Also, after oxygen, the remaining 1% percent of our atmosphere consists almost entirely of the gas argon with small amounts of neon, helium, krypton, xenon, hydrogen, ozone, carbon dioxide, nitrous oxide, and methane

gases. All these gases are invisible. If they had any slight tinge of color, we would all live in perpetual darkness because they would block out the sun and destroy life. ^{.[#12]}

The Moon is the perfect size and distance from the Earth to create just the right gravitational pull. The moon creates important ocean tides and movement so the waters do not stagnate, and yet our massive oceans are restrained from spilling over across the continents. ^{.[#27, 30]} If the moon were much closer to the earth, it would get sucked in by our gravity and crash into us, bringing death to our planet. And if it were much farther away, it would move off into space, leaving death behind for our planet. ^{.[#12]}

If the moon were slightly bigger, then its gravitational effect on the earth would be greatly increased. This would cause massive tides and ferocious winds that would wipe out life on earth. But if the moon were slightly smaller, then the tides and winds would be too small and the earth would overheat and life could not exist. Our moon is 100 times larger than the average sized moon in our solar system. This is important because if we had an average sized moon, our evenings would be 20 times darker. If there were no moon, the axial tilt of the Earth would wobble and lose its polarity. Why is the moon so exactly positioned in the sky overhead? It surely did not rush by like a speeding train, then pause and carefully enter that balanced orbit. If it did so, life could not exist. So the question is, “Who placed it there?” ^{.[#12]}

Earth’s Laws of Nature:

Much of life may seem uncertain, but look at what we can count on day after day: gravity remains consistent, a hot cup of coffee left on a counter will get cold, the earth rotates in the same 24 hours, and the speed of light doesn’t change -- on earth or in galaxies far from us.

How can we identify laws of nature that *never* change? Why is the universe so orderly, so reliable?

“The greatest scientists have been struck by how strange this is. There is no logical necessity for a universe that obeys rules, let alone one that abides by the rules of mathematics. This astonishment springs from the recognition that the universe need not behave this way. It is easy to imagine a universe in which conditions change unpredictably from instant to instant, or even a universe in which things pop in and out of existence.”

Richard Feynman, a Nobel Prize winner for quantum electrodynamics, said, “Why nature is mathematical is a mystery. The fact that there are rules at all is a miracle.” ^{.[#27]}

Jupiter’s Distance from the Earth:

If Jupiter’s distance were greater from the Earth then there would be too many asteroid and comet collisions on Earth and hence destroy life. But if Jupiter’s distance was less, then Earth’s orbit would become unstable and destroy life. ^{.[#12]}

Sun’s Color, Size and Distance from the Earth:

Our sun is just the right color and size for life to exist. For instance, if the sun’s color were redder or bluer, then the photosynthesis response would be weaker. Also, if the sun was a few percent farther from the earth, then the entire planet would freeze over. But if the earth was just a few percent closer to the sun, our oceans would boil. In either case, no life. ^{.[#12]}

WHAT SCIENTISTS REALLY SAY ABOUT DESIGN AND CREATION

CREATION

Science proves matter was Created

- “I have looked into most philosophical systems and I have seen that none will work without God.” “Science is incompetent to reason upon

the creation of matter itself out of nothing. We have reached the utmost limit of our thinking faculties when we have admitted that because matter cannot be eternal and self-existent it must have been created.”

James Clerk Maxwell -Scientist – Physicist and mathematician; Credited with electromagnetic theory (Considered equal to Einstein and Newton.)

The ‘Big Bang theory’ supports Theism, not Atheism

- “Perhaps the best argument...that the Big Bang supports theism is the obvious unease with which it is greeted by some atheist physicists. At times this has led to scientific ideas...being advanced with a tenacity which so exceeds their intrinsic worth that one can only suspect the operation of psychological forces lying very much deeper than the usual academic desire of a theorist to support his or her theory”

Christopher J. Isham--Scientist – Astrophysicist; Imperial College of London astrophysicist; Britain’s leading quantum cosmologist

Molecular Science points to God’s creation

- “I build molecules for a living. I can’t begin to tell you how difficult that job is. I stand in awe of God because of what he has done through his creation. My faith has been increased through my research. Only a rookie who knows nothing about science would say science takes away from faith. If you really study science, it will bring you closer to God.”

Dr. James M. Tour--Scientist - Nanotechnology Synthetic Organic Chemist specializing in nanotechnology; Professor of NanoEngineering and Computer Science at Rice University

God’s Creation of Life in the Beginning

- “We have already seen that no such system could possibly appear by chance. Life in its totality must have been created in the beginning, just as God told us.”

John P. Marcus --Scientist, **Biological Chemistry** PhD in Biological Chemistry; Research Officer in Tropical Plant Pathology

God’s Design and Creation of the Universe; Nothing random or accidental

- “I believe in God. It makes no sense to me to assume that the Universe and our existence is just a cosmic accident, that life emerged due to random physical processes in an environment which simply happened to have the right properties. As a Christian I begin to comprehend what life is all about through belief in a Creator, some of whose nature was revealed by a man born about 2000 years ago” -

Antony Hewish --1925 Nobel Prize in Physics for discovery of pulsars

An orderly, unfolding universe testifies to God’s creation

- “For myself, faith begins with a realization that a supreme intelligence brought the universe into being and created man. It is not difficult for me to have this faith, for it is incontrovertible that where there is a plan there is intelligence—an orderly, unfolding universe testifies to the truth of the most majestic statement ever uttered—‘In the beginning God.’” “Science can have no quarrel with a religion which postulates a God to whom men are His children”

Arthur Compton --Scientist – Physicist; Winner of the 1927 Nobel Prize in Physics for his discovery of the Compton Effect

All biological science evidence supports divine creation

- “All the evidence available in the biological sciences supports the core proposition of traditional natural theology--that the cosmos is a specially designed whole with life and mankind as its fundamental goal and purpose, a whole in which all facets of reality, from the size of galaxies to the thermal capacity of water, have their meaning and explanation in this central fact “

Michael Denton -PhD, Senior Fellow in molecular biology;
Author: *Evolution: A Theory in Crisis*.

Astronomy leads us to the supernatural creation of the universe out of nothing

- “Astronomy leads us to a unique event, a universe which was created out of nothing, and delicately balanced to provide exactly the conditions required to support life. In the absence of an absurdly improbable accident, the observations of modern science seem to suggest an underlying, one might say, supernatural plan.”

Arno Penzias--Scientist – Physicist; **1978 Nobel Prize in Physics**

Power and foresight started the universe; Only an idiot can be an atheist

- “I think only an idiot can be an atheist. We must admit that there exists an incomprehensible power or force with limitless foresight and knowledge that started the whole universe going in the first place.”

Christian Anfinsen -1972 Nobel Prize in
Chemistry for ‘Ribonuclease’

The universe is a witness to God’s work

- “They (evolutionists) challenge science to prove the existence of God. But must we really light a candle to see the sun? They say they cannot

visualize a Designer. Well, can a physicist visualize an electron? What strange rationale makes some physicists accept the inconceivable electron as real while refusing to accept the reality of a Designer on the grounds that they cannot conceive Him?”The universe as revealed through scientific inquiry is the living witness that God has indeed been at work “

Wernher Von Braun --Scientist – Astrophysicist - 1912-1977 –
Director of NASA; Rocket Scientist;
Leader of Apollo moon mission

INTELLIGENT DESIGN

Intelligent Design is Scientific; Random evolution is not.

- “While the admission of a design for the universe ultimately raises the question of a Designer (a subject outside of science), the scientific method does not allow us to exclude data which lead to the conclusion that the universe, life and man are based on design. To be forced to believe only one conclusion--that everything in the universe happened by chance--would violate the very objectivity of science itself. Certainly there are those who argue that the universe evolved out of a random process, but what random process could produce the brain of a man or the system or the human eye?”

Wernher Von Braun--Scientist – Astrophysicist -
1912-1977 –Director of NASA; Rocket Scientist;
Leader of Apollo moon mission

An Intelligent creator is responsible for the universe

- “I believe in God. In fact, I believe in a personal God who acts in and interacts with the creation. I believe that the observations about the orderliness of the physical universe, and the apparently exceptional fine-tuning of the conditions of the universe

for the development of life suggest that an intelligent Creator is responsible”

William D. Phillips --Scientist – Physicist; 1997
Nobel Prize in Physics

Intelligent Design is evident in DNA

- “It now seems to me that the findings of more than fifty years of DNA research have provided materials for a new and enormously powerful argument to design”

Dr. Anthony Flew --Author, **Philosopher** - 1923-2010 – British Philosopher and **previous Atheist** who converted to Deism in 2004 and published “There is a God: How the World’s Most Notorious Atheist Changed His Mind

Intelligent design not unguided mindless evolution

- “The evidence points to an intelligent designer of the vast array of life, both living and extinct, rather than to unguided mindless evolution.”

Nancy M. Darrall --Scientist, Botanist - PhD in Botany from University of Wales; University Speech Therapist

The universe was created for man to live in

- “If the universe had not been made with the most exacting precision we could never have come into existence. It is my view that these circumstances indicate the universe was created for man to live in.”

John A.O’Keefe --Scientist – Astrophysicist;
NASA Astrophysicist, Harvard

Intelligent Design-- Universal laws evidence a planned universe

- “Intelligent design, as one sees it from a scientific point of view, seems to be quite real. This is a very special universe: it’s remarkable that it came out just this way. If the laws of physics weren’t just the way they are, we couldn’t be here at all. The sun couldn’t be there, the laws of gravity and nuclear laws and magnetic theory, quantum mechanics, and so on have to be just the way they are for us to be here. Some scientists argue that ‘well, there’s an enormous number of universes and each one is a little different. This one just happened to turn out right.’ Well, that’s a postulate, and it’s a pretty fantastic postulate--it assumes there really are an enormous number of universes and that the laws could be different for each of them. The other possibility is that ours was planned, and that’s why it has come out so specially.”

Charles Hard Townes --**Scientist – Physicist** - b 1915 - PhD in Physics from California Institute of Technology. Nobel Prize in Physics in 1964. Professor at Columbia, MIT and University of California, Berkley

Intelligent Design seen in the remarkable fine-tuning of the universe

- “It is relatively unusual that a physical scientist is truly an atheist. Why is this true? Some point to the anthropic constraints, the remarkable fine tuning of the universe”

Henry F. Schaefer III--Scientist – Physicist; Quantum Chemist
Five time nominee for the Nobel Prize, as quoted in his essay Stephen Hawking, the Big Bang and God

Intelligent Design--Universe design was waiting for us

- “As we look out into the universe and identify the many accidents of physics and astronomy that have worked together for our benefit, it almost seems as if the universe must in some sense have known that we are coming.”

Freeman Dyson --Scientist - Theoretical physicist and mathematician;

Known for his work in quantum electrodynamics, solid-state physics, astronomy and nuclear engineering

Science and Religion

God Created man in His own image

- “God created man in His own image, says the Bible; philosophers reverse the process: they create God in theirs.”

George C. Lichtenberg --Scientist – Physicist - 1742-1799 -
First dedicated German Physicist

God Creation of man in His own Image

- Those laws are within the grasp of the human mind. God wanted us to recognize them by creating us after his own image so that we could share in his own thoughts... and if piety allow us to say so, our understanding is in this respect of the same kind as the divine, at least as far as we are able to grasp something of it in our mortal life

Johannes Kepler --Scientist - German **mathematician and astronomer**; Discovered laws of planetary motion; founded astronomy

Theologians may be far ahead of scientists

- “For the scientist who has lived by his faith in the power of reason, the story ends like a bad dream. He has scaled the mountains of ignorance; he is about to conquer the highest peak; as he pulls himself over the final rock, he is greeted by a band of theologians who have been sitting there for centuries”

Robert Jastrow --Scientist – Astronomer;
NASA Goddard Director

Fanatical Atheists cannot ‘hear the Music’

- “The fanatical atheists are like slaves who are still feeling the weight of their chains which they have thrown off after hard struggle. They are creatures who – in their grudge against traditional religion as the ‘opium of the masses’ – cannot hear the music of the spheres”

Albert Einstein--Scientist, Physicist - 1879-1955;
Theory of Relativity

No Conflict between Science and Religion

- “This much I can say with definiteness – namely, that there is no scientific basis for the denial of religion – nor is there in my judgment any excuse for a conflict between science and religion, for their fields are entirely different. Men who know very little of science and men who know very little of religion do indeed get to quarreling, and the onlookers imagine that there is a conflict between science and religion, whereas the conflict is only between two different species of ignorance.”

Robert Andrews Millikan --Scientist – Physicist;
1923 Nobel Prize in Physics for work on electricity
and the photoelectric effect