



Science and the Bible

Ron Peri

General Revelation

God Reveals Himself in Nature:

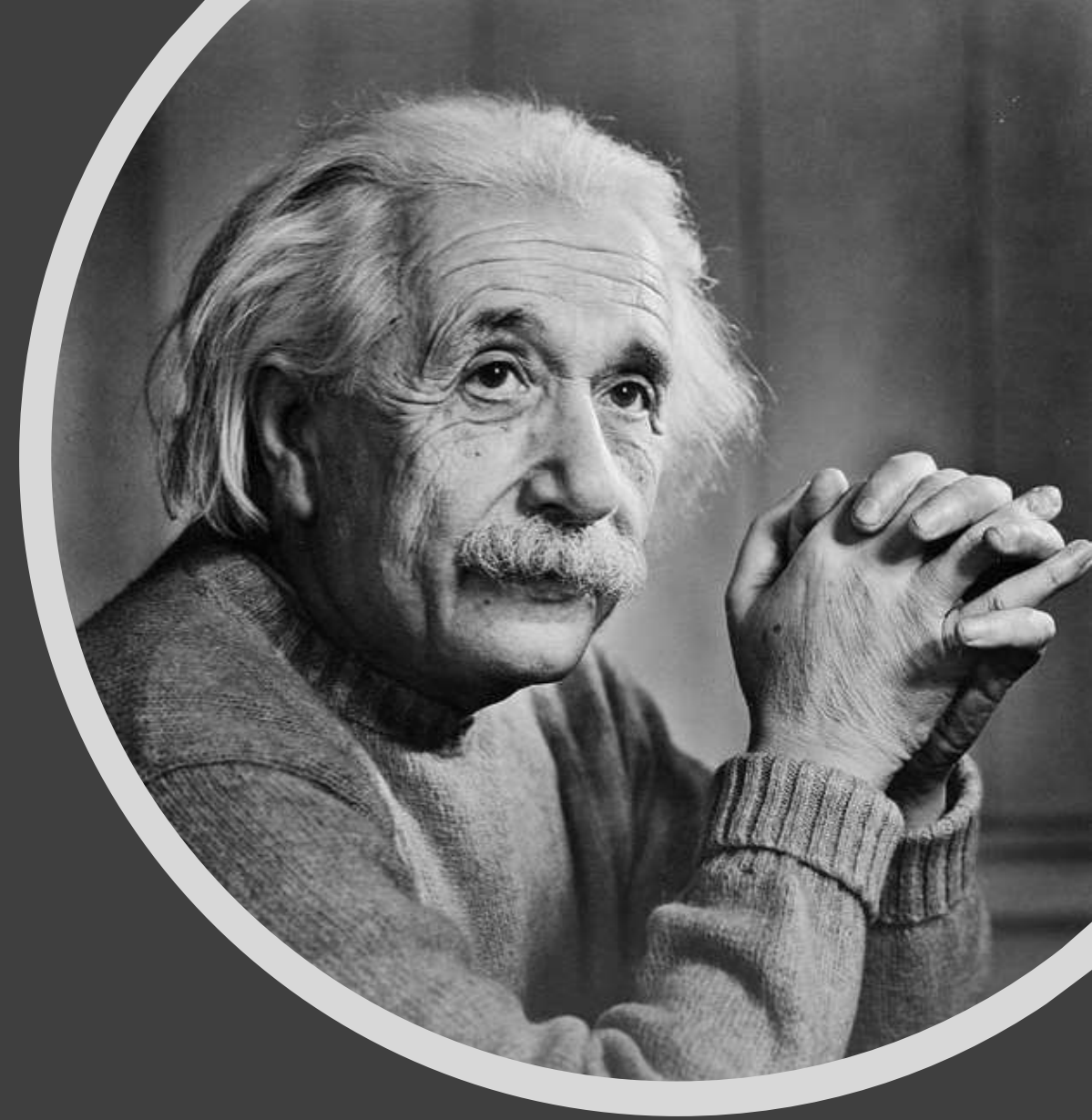
- "For since the creation of the world God's invisible qualities—his eternal power and divine nature—have been clearly seen, being understood from what has been made, so that people are without excuse." (Romans 1:20)



Einstein's Faith

- The structure of the universe brought Albert Einstein to faith.
- “I believe in a God who reveals himself in the harmony of all that exists...I am convinced that God does not play dice.”
- In 1979 I attended a little church in Luling, Louisiana. In a Sunday School group I met a woman who had been Einstein’s maid in Princeton, NJ. She shared several stories about Dr. Einstein’s very real faith confirming that this incredible genius was not too smart to believe in God.

- Albert Einstein



"I seek for laws because I
am convinced there is a
Lawgiver."

-Isaac Newton





Blaise Pascal

- The great mathematician, Blaise Pascale, wrote in his book *Pensées*:

“What else does this craving, and this helplessness, proclaim but that there was once in man a true happiness, of which all that now remains is the empty print and trace? This he tries in vain to fill with everything around him, seeking in things that are not there the help he cannot find in those that are, though none can help, since this infinite abyss can be filled only with an infinite and immutable object; in other words by God himself.”

- Blaise Pascal, *Pensées* VII(425)
- **Pascal's Wager** – Human beings bet with their lives whether God exists or not.

Louis Pasteur

- He discovered that pathogens cause disease.
- Inventor of the first vaccine and of pasteurization.
- Pasteur studied science because he was trying to unlock God's secrets of design hidden in nature.

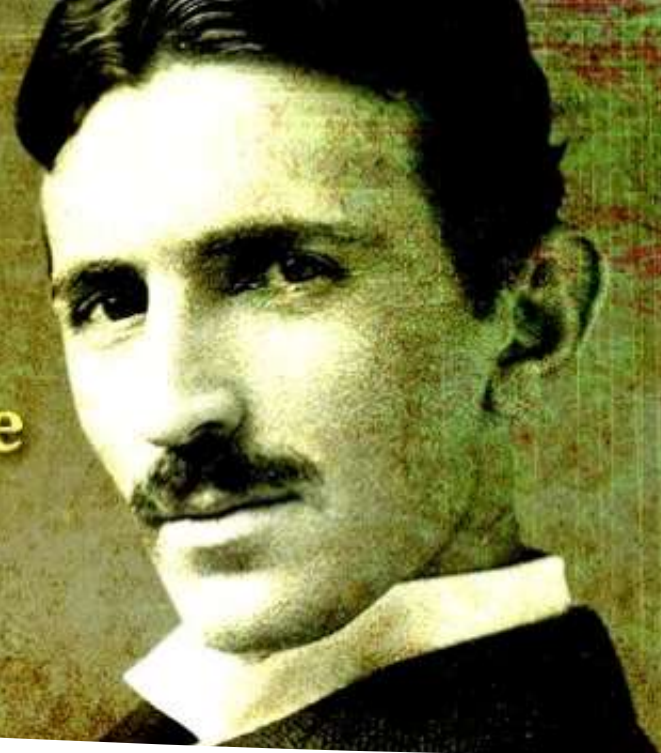
“Science brings men nearer to God”.

- Louis Pasteur



*“I don't care that they
stole my idea . .
I care that they don't have
any of their own”*

Nikola Tesla
1856 - 1943



Nikola Tesla

- Thought by many to be the greatest inventor of all time, Tesla firmly believed that God had designed everything in the physical universe. He worked first for Thomas Edison, but then went off on his own. Edison would test and test myriads of different types of filaments to find one that worked well, and famously said, “Genius is 1% inspiration and 99% perspiration”.
- Tesla on the other hand, claimed his discoveries were revelations from God and prayed for insights to be revealed to him. A man of great faith, he would wake up in the morning and sketch an invention he had dreamt about.
- Tesla invented alternating current generators and motors and enabled the modern age. His greatest invention was the wireless transmission of electricity. He was assembling a wireless transmission tower in Wardenclyffe, New York and successfully demonstrated lighting lightbulbs wirelessly, miles away.

Special Revelation

- God revealed details about Himself and His creation as he spoke through the prophets in the Bible in words we can understand.
- These details are testable and serve to build our faith.

The Bible Gives Accurate Information About the Earth

The Earth is a Sphere

- Unlike other ancient texts, the Bible does not state that the earth is flat. Instead, it indicates that the roundness or sphere of the earth is hung upon nothing. This can be seen in two places.
- Isaiah 40:22 - God sits enthroned above the circle of the earth, and its people are like grasshoppers. ("**Circle**" is the Hebrew word *Cwoq* (צֶרֶךְ) which translates as circle, sphere, or ball)
- Job 26:7 - He spreads out the northern skies over empty space; he suspends the earth over **nothing**.



The Bible Gives Accurate Information About the Stars

- Unique among ancient writings, the Bible gives an amazingly accurate star count:
- Anaximander - The most widely accepted star count was that of Anaximander, a Greek astronomer and mathematician from Miletus best known as Pythagoras' teacher. In his work "About Nature", he counted 3,253 stars.
- Hipparchus and Ptolemy, less than 2,000 stars.
- Galileo, with a telescope, counted over 30,000 stars.
- Sir James Jeans, British astronomer, skeptic, wrote in *The Stars in Their Courses*, (1965) that "there are probably...as many stars in the universe as there are grains of sand on all the seashores of the world." An extremely large, uncountable, finite number.
- Genesis 22:17: "the number of the stars is as the sands of the seas."



Many Scientific Discoveries Came From Studying Scripture

- Matthew Fontaine Maury, for example, discovered the currents in the North Atlantic as a direct result of reading scripture.
- The situation – clipper ships plying their trade between England and the United States would find themselves becalmed with no wind and no current. Some crews perished. Merchants lost money.
- There is a monument to him at the Naval Academy in Annapolis, MD with the caption: Pathfinder of the Seas. His inspiration, Holy Writ, Psalm 8: “Thou hast made highways in the sea for the fish”.
- Maury discovered that two ridges extended from the New York coast to England, so he made charts for ships to sail over one path to England and return over the other. Maury’s charts are still in use today.



MAURY
PATHFINDER OF THE SEAS



Yet Others Still Look Elsewhere for Intelligence

- SETI = **S**earch for **E**xtraterrestrial Intelligence
- Started by atheist Carl Sagan in 1984
- Looking for Non-random patterns of transmission of electromagnetic waves
- So far, thousands of SETI observers have found nothing.

Divine Intelligence Is Revealed in Our DNA

- **SETI searches for non-randomness** and patterns in electromagnetic transmissions
- **DNA is a non-random programming language** that has clearly defined and well structured patterns of active instructions
 - Four amino acids AGCT in specific order
 - Double Helix Structure
 - DNA has been called "the code of life"
- **DNA is massive and exceedingly complex**
 - The largest program every written: If printed on 8.5 x 11 paper, it would be as tall as the Washington Monument
- **DNA is compressed to fit in a microscopic cell**
 - Every cell in your body contains your unique programming code



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God's Designs Are Not Random

For you created my inmost being;
You knit me together in my
mother's womb.

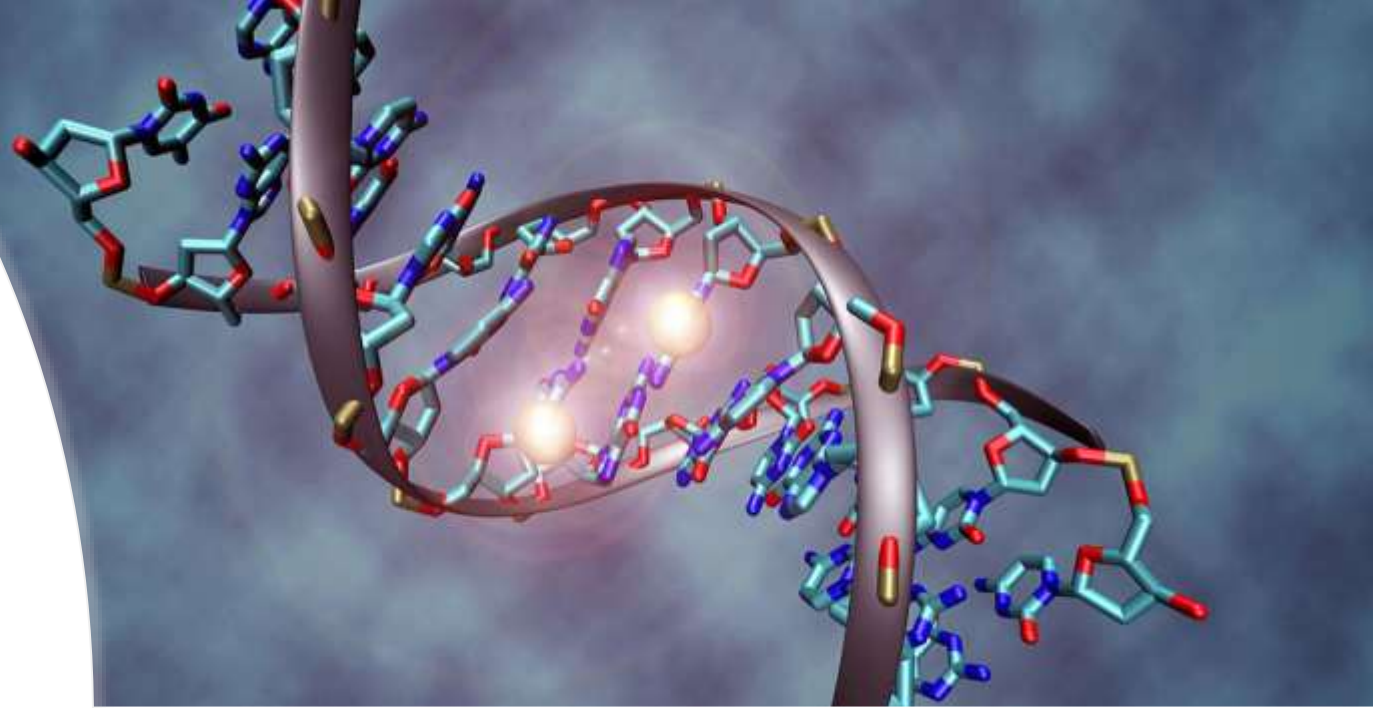
**I praise you because I am fearfully
and wonderfully made;**

Your works are wonderful,
I know that full well.

Psalm 139:13-14

DNA – Universe's Best Designed Storage Medium

- DNA is a storage medium
 - It is far and away the most efficient storage medium
 - It is incredibly dense
 - A bioengineer at Harvard's Wyss Institute successfully stored 5.5. petabits of data (700 Terabytes) in a single gram of DNA
 - It is thought that all the knowledge in the world could be stored in a coffee cup using DNA as storage.
 - It is inherently redundant having its own backup.
 - It is extremely stable and can survive for hundreds of thousands of years in a box in your garage.
- IBM and others are reverse engineering DNA for storage
- CRISPR can edit DNA
- mRNA vaccines edit DNA



DNA – Universe's Best Designed Programming Language

- **DNA is a hard wired programming language**
 - Uses four amino acids positioned in quartets: adenine, cytosine, guanine, and thymine (ACGT)
 - The code is positional based on locations in chromosomes
 - The code interprets itself
 - It is the blueprint for one copy of you
 - It can be modified by the environment
- We have deciphered enough of the code so that the CRISPR can be used to manually modify it.
- No one would decipher randomness



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<head>
  <title>Canvas-Rotation</title>
  <meta charset="UTF-8" />
</head>
<body>
  <canvas id="square" width="200" height="200"></canvas>
  <script>
    var canvas = document.createElement('canvas');
    canvas.width = 200;
    canvas.height = 200;

    var image = new Image();
    image.src = 'images/card.png';
    image.width = 114;
    image.height = 158;
    image.onload = window.setInterval(function() {
      rotation();
    }, 1000/60);
```

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We Continue to Learn More:
DNA is Even More Complex
Than We Thought



DNA has More than One Language

- "Since the genetic code was deciphered in the 1960s, scientists have assumed that it was used exclusively to write information about proteins. **University of Washington scientists were stunned** to discover that genomes use the genetic code to write two separate languages. One describes how proteins are made, and the other instructs the cell on how genes are controlled. One language is written on top of the other, which is why the second language remained hidden for so long.
- "For over 40 years we have assumed that DNA changes affecting the genetic code solely impact how proteins are made," said Stamatoyannopoulos. "Now we know that this basic assumption about reading the human genome missed half of the picture. These new findings highlight that DNA is an **incredibly powerful information storage device**, which nature has fully exploited in unexpected ways."
- The genetic code uses a 64-letter alphabet called codons. The UW team discovered that some codons, which they called duons, can have two meanings, one related to protein sequence, and one related to gene control. **These two meanings seem to have evolved in concert with each other.** The gene control instructions appear to help stabilize certain beneficial features of proteins and how they are made.

<https://geneticliteracyproject.org/2013/12/13/scientists-discover-second-code-hiding-within-dna/>



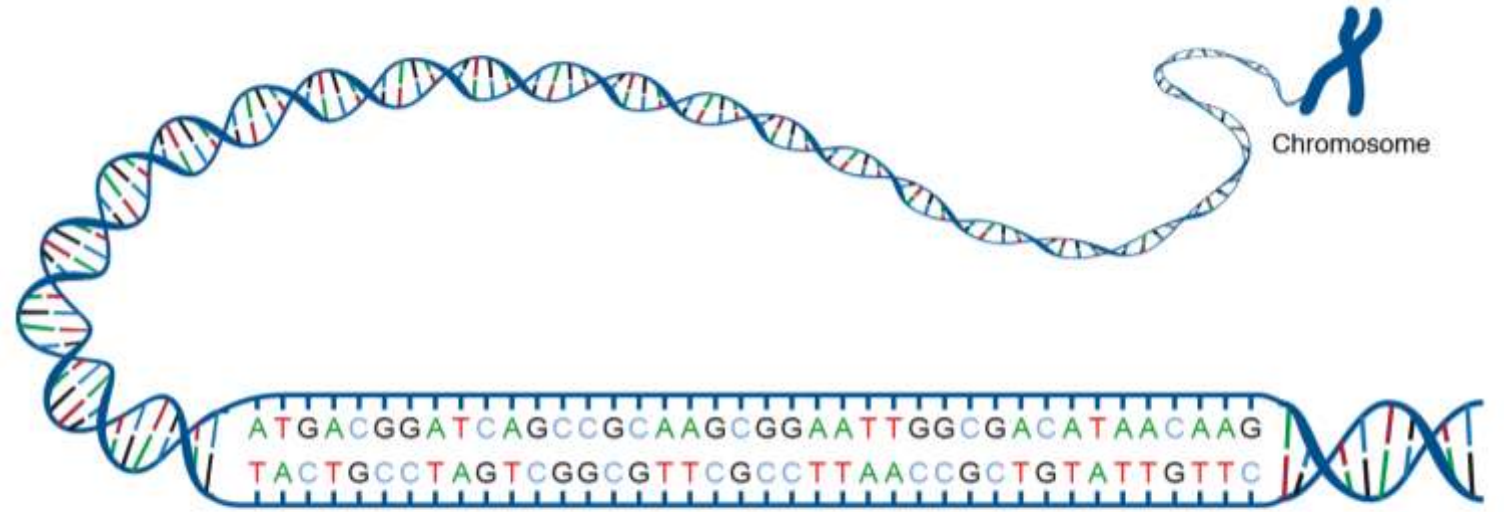
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ACTGCCCTAGTCGGCGTTTCGCCCTTAACCGCTGTATT

DNA is Even More Complex

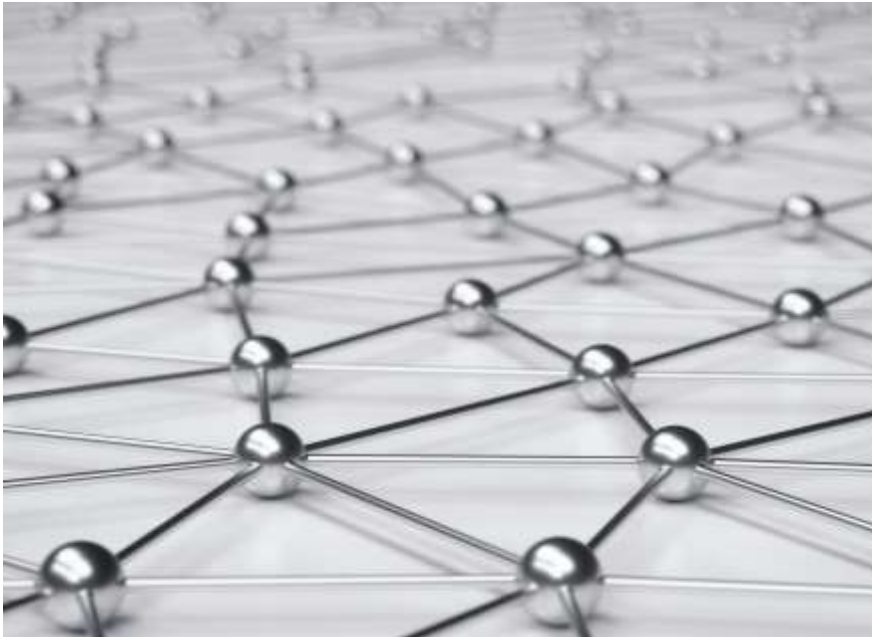


We Now Know The "Noise" In DNA Is Part of the Program

- For years, it was thought that much of the human genome was just noise with no meaning.
- We now know that the noise is actually acting to provide additional instructions regarding the expression of proteins, among other functions.



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The Programming is Yet Even More Complex

Another Programming Language Has
Now Been Discovered:

Non-neural Bioelectricity

- Cells communicate using non-neural bioelectricity
- Voltage, polarity, length of transmission, all form a language
- That language is not well understood, but we are already able to edit it.
- Whereas DNA and the cell are like computer hardware with hard wired programming, non-neural bioelectricity is similar to communications over the internet and is more like programmable software.
- https://www.ted.com/talks/michael_levin_the_electrical_blueprints_that_orchestrate_life/transcript



IN THE BEGINNING

GO

GENESIS 1

Terrestrial Biology Requires Intelligence

- The incredible level of complexity within the cell displays intelligence
- The only source we know for intelligence is a mind:
 - Can you imagine a program that has no programmer?
 - A computer that has no designer?
 - Can you reverse engineer something that never had an engineer?