

Multi-Disciplinary Scientist

<http://creation.com/dr-samuel-gan>

- Bible Student
- Mad scientist
- Biomedical Research
 - Antibody Engineering
 - Virology
 - Scientific Phone apps and Mobile devices
- Psychology Lecturer
- Product development (SME)

Books (also on Wattpad)

<http://tinyurl.com/7vt7vq> <http://tinyurl.com/742apl7>
<http://tinyurl.com/guidebiblelands>

The Lord is my Rock and Redeemer facebook.com/TsuriVgoali/

Without Excuse!

For the invisible things of him from the creation of the world are clearly seen, being understood by the things that are made, even his eternal power and Godhead; so that they are **without excuse**:

Romans 1:20

God's word above all!

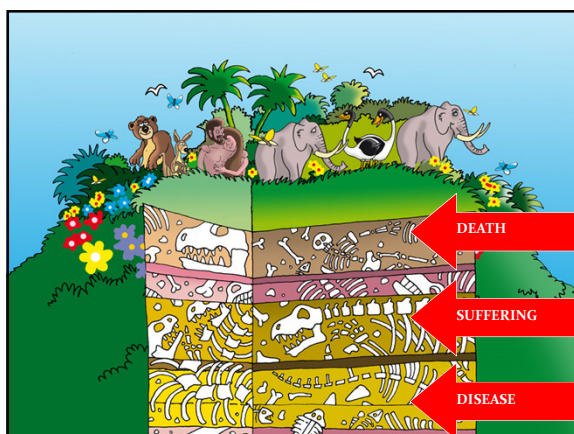
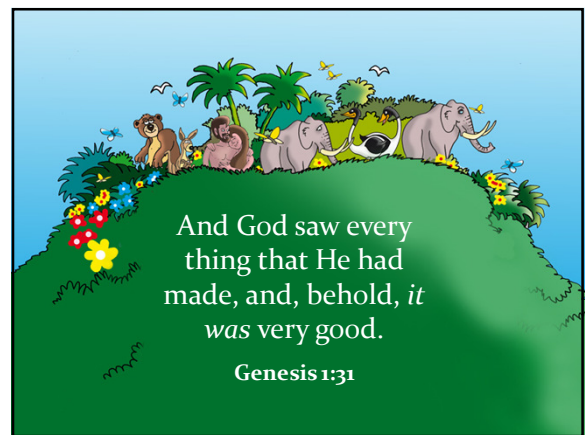
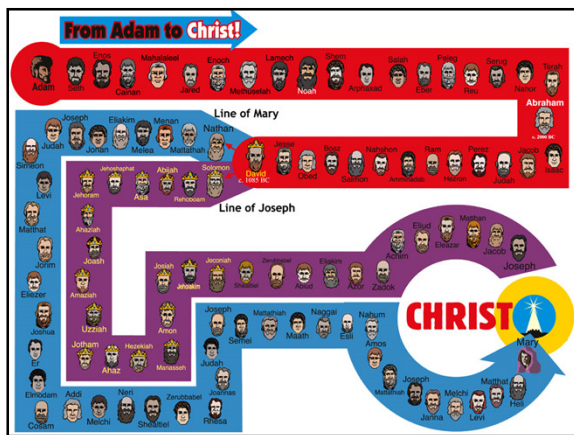
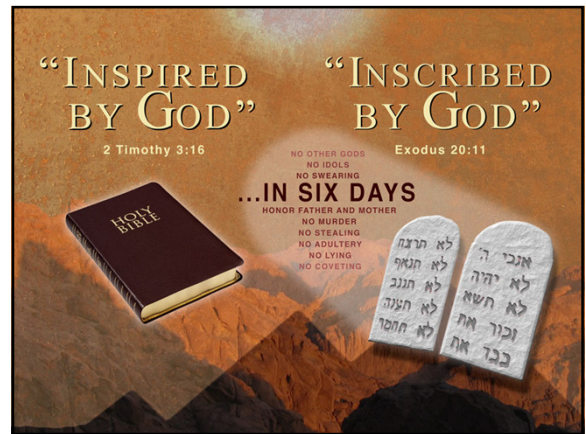
Casting down **imagination**, and every high thing that exalteth itself against the knowledge of God, and bringing into captivity every thought to the obedience of Christ;

2 Corinthians 10:5

The Greatest Commandment

And he (Jesus) answering said, Thou shalt love the Lord thy God with all **thy heart**, and with all **thy soul**, and with all **thy strength**, and with all **thy mind**; and thy neighbour as thyself

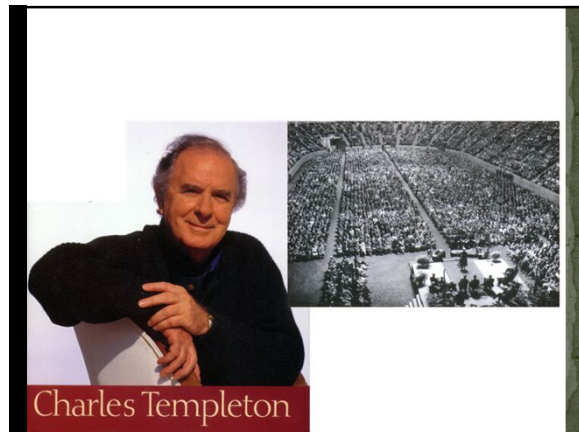
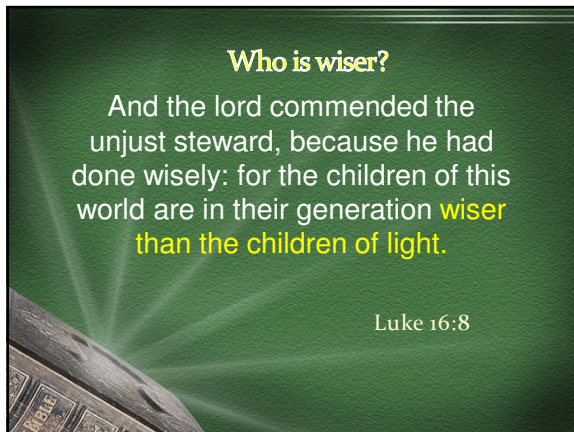
Luke 10:27
Also in Matthew 22:37



Who is wiser?

And the lord commended the unjust steward, because he had done wisely: for the children of this world are in their generation **wiser than the children of light.**

Luke 16:8


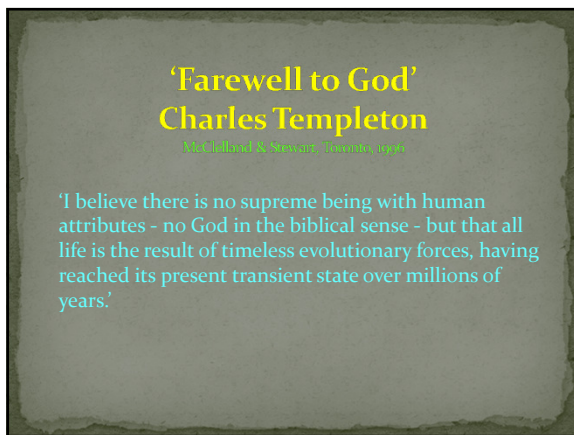


Charles Templeton

'Farewell to God'
Charles Templeton

MBC/Black & Veatch, Toronto, 1996

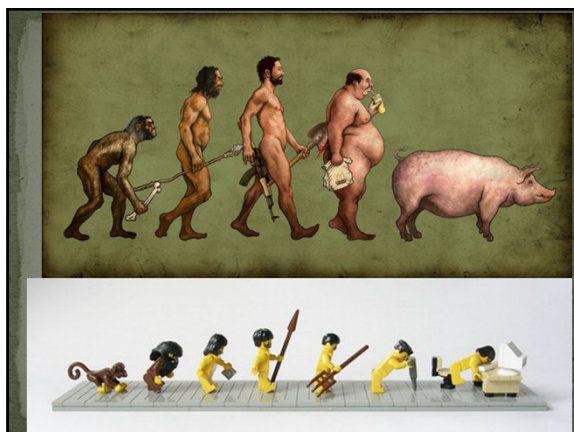
'I believe there is no supreme being with human attributes - no God in the biblical sense - but that all life is the result of timeless evolutionary forces, having reached its present transient state over millions of years.'



Between doubt and believe, first believe!


And straightway the father of the child cried out, and said with tears, **Lord, I believe; help thou mine unbelief.**

Mark 9:24



Atheistic origins

- Random collisions of molecules over a long time
- Life began only once via abiogenesis
- Nothing to something
 - Requires belief in random matter being organized to an orderly fashion
 - Claims that life is selected over long periods.



Retrieved from <http://www.fogarden.com>, Age 3200 Limited

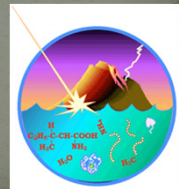
Atheistic origins—are they scientific?

- Runs contrary to the 2nd law of thermodynamics (that states the universe as a whole, is getting more and more random and entropic).
- Contrary to the laws of diffusion.
- Statistically improbable.

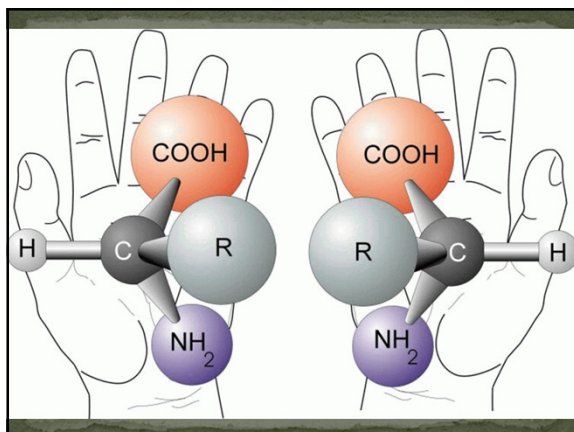
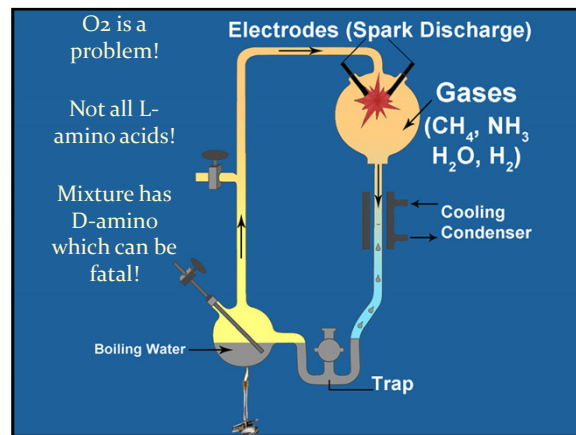


Abiogenesis

- Generally living things beget living things (biogenesis).
- Aka biopoiesis is the natural process by which life arose from non-living matter such as simple organic compounds (Wikipedia).
- Miller-Urey experiment.
- Primordial Soup origins
- RNA World hypothesis.





Miller-Urey experiment



No primeval soup!

"The likelihood of the formation of life from inanimate matter is one to a number with 40,000 naughts after it ... It is big enough to bury Darwin and the whole theory of evolution. There was no primeval soup, neither on this planet nor any other, and if the beginnings of life were not random, they must therefore have been the product of purposeful intelligence."

Sir Fred Hoyle, as quoted by Lee Elliot Major, 'Big enough to bury Darwin,' *Guardian* (UK) education supplement, Thursday August 23, 2001.



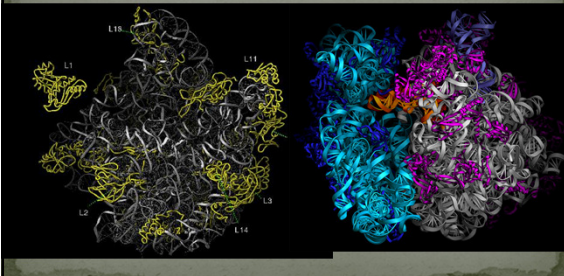
QUICK & EASY DIRECTIONS
MIX SOUP + 1 OCEAN WATER
RADIATION: BEAT, (contains an irreducibly complex protein) for 10 minutes. (contains a complex protein) for 10 minutes. (contains a complex protein) for 10 minutes.
SMOKE: BEAT, (contains a complex protein) for 10 minutes. (contains a complex protein) for 10 minutes. (contains a complex protein) for 10 minutes.

Nutrition Information

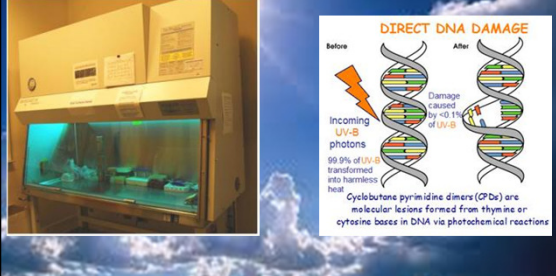
Amount Per Serving		% Daily Value*	
1/2 Cup (125g)		100%	
Total Protein	125g	250%	100%
Total Fat	10g	20%	10%
Total Carbohydrate	10g	20%	10%
Total Sodium	10g	20%	10%
Total Iron	10g	20%	10%
Total Calcium	10g	20%	10%
Total Magnesium	10g	20%	10%
Total Potassium	10g	20%	10%
Total Phosphorus	10g	20%	10%
Total Zinc	10g	20%	10%
Total Selenium	10g	20%	10%
Total Manganese	10g	20%	10%
Total Copper	10g	20%	10%
Total Nickel	10g	20%	10%
Total Vanadium	10g	20%	10%
Total Chromium	10g	20%	10%
Total Molybdenum	10g	20%	10%
Total Cobalt	10g	20%	10%
Total Silver	10g	20%	10%
Total Gold	10g	20%	10%
Total Platinum	10g	20%	10%
Total Iridium	10g	20%	10%
Total Rhenium	10g	20%	10%
Total Ruthenium	10g	20%	10%
Total Rhodium	10g	20%	10%
Total Palladium	10g	20%	10%
Total Cadmium	10g	20%	10%
Total Mercury	10g	20%	10%
Total Lead	10g	20%	10%
Total Bismuth	10g	20%	10%
Total Antimony	10g	20%	10%
Total Arsenic	10g	20%	10%
Total Tellurium	10g	20%	10%
Total Selenium	10g	20%	10%
Total Manganese	10g	20%	10%
Total Chromium	10g	20%	10%
Total Molybdenum	10g	20%	10%
Total Cobalt	10g	20%	10%
Total Silver	10g	20%	10%
Total Gold	10g	20%	10%
Total Platinum	10g	20%	10%
Total Iridium	10g	20%	10%
Total Rhenium	10g	20%	10%
Total Ruthenium	10g	20%	10%
Total Rhodium	10g	20%	10%
Total Palladium	10g	20%	10%
Total Cadmium	10g	20%	10%
Total Mercury	10g	20%	10%
Total Lead	10g	20%	10%
Total Bismuth	10g	20%	10%
Total Antimony	10g	20%	10%
Total Arsenic	10g	20%	10%
Total Tellurium	10g	20%	10%

Retrieved from <http://watsupwiththat.com/2011/03/22/the-gasses-of-the-early-atmosphere-and-the-primordial-soup/>

RNA World—RNA creates RNA



Problem 1: The sun—(UV) rays



DIRECT DNA DAMAGE

Before: Incoming UV-B photons (10-1200 nm) cause damage to DNA.

After: 99.9% of UV-B is transformed into harmless heat. Cyclobutane pyrimidine dimers (CPDs) are molecular lesions formed from thymine or cytosine bases in DNA via photochemical reactions.

Biophysical Journal

Biophys J. Sep 1979; 27(3): 359-370. doi: 10.1016/S0006-3495(79)82223-6 PMID: 73132854

An effect of ultraviolet light on RNA and protein synthesis in nondividing human diploid fibroblasts.

G.J. Kantor and D.R. Hull

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This article has been cited by other articles in PMC.

Abstract

Nondividing human diploid fibroblasts maintained in medium containing 0.5% calf serum do not survive when exposed to low doses of UV (254 nm). The extent of killing is dose and strain dependent. DNA excision repair-proficient cells are more resistant than excision repair-deficient cells. Results of measurements of the effect of UV on RNA and protein synthesis in repair-proficient and -deficient (XP12BE) cells are reported. UV causes an immediate and equal depression of the RNA synthesis rate in both kinds of cells. A recovery to control rates was observed only at low (5 J/m²) doses in repair-deficient cells and at higher doses (20 J/m²) in repair-proficient cells. No recovery was observed at doses that cause substantial reductions in survival (greater than 5 J/m² for XP12BE; greater than 40 J/m² for repair-proficient populations). No initial effect on rate of protein synthesis was detected at doses less than 20 J/m². However, in XP12BE populations, a decreased rate first evident at 15-30 h post-UV and before any

Biophysical Journal

Biophys J. Sep 1979; 27(3): 359-370. doi: 10.1016/S0006-3495(79)82223-6 PMID: 73132854

RNA self-cleavage activated by ultraviolet light-induced oxidation

Ascension Ariza-Mateos, Samuel Prieto-Vega, [...], and Jordi Gómez

[Additional article information](#)

ABSTRACT

A novel UV-light-induced ribozyme activity was discovered within the highly structured 5' genomic region of both Hepatitis C Virus (HCV) and the related Classic Swine Fever Virus (CSFV). Cleavage is mediated by exposure to UV-C light but not by exogenous oxygen radicals. It is also very selective, occurring at base positions HCV C₄ and CSFV A₄₂ in some molecules and at the immediately adjacent 5' positions HCV U₁ and CSFV U₄ in others. Among other reaction products, the majority of biochemically active products detected contained 3'-phosphate and 5'-phosphate-end groups at the newly generated termini, along with a much lower amount of 3'-hydroxyl end group. While preservation of an E-loop RNA structure in the vicinity of the cleavage site was a

require for HCV RNA self-cleavage, this was not the case for CSFV RNA. The short size of the reactive domains (~33 nt), which are compatible with primitive RNA motifs, and the lack of sequence homology, indicate that an yet unidentified UV-activated ribozyme are likely to be found throughout structured RNAs, thereby providing clues to whether early RNA self-cleavage events were mediated by photochemical RNA structures.

INTRODUCTION

A significant number of novel functions, many of which have proven to be important in the study of gene function and expression, have been attributed to RNA (1-4). This, in turn, has led to speculation among experts regarding the evolutionary role of RNA in early biological systems. Most of these non-canonical functions for RNA molecules take place in specific regions containing higher order and evolutionarily conserved structural elements. NMR and X-ray crystallographic analysis have provided invaluable insight into some of these tertiary structures and, in the case of certain ribozymes, have revealed their active sites (5,6). One class of RNA that is particularly rich in non-Watson-Crick interactions is the Internal Ribosome Entry Site (IRES) domain located at the 5'-ends of several single-stranded RNA viruses (7) such as Hepatitis C Virus (HCV) (8) and the related animal pestivirus Classical

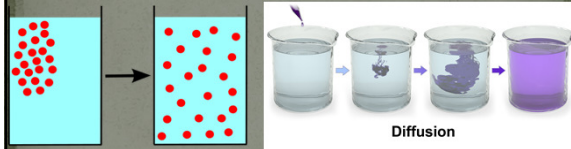
Figure 1. Secondary structure of RNA U (10,17). Using an algorithmic induced base-pairing model (18), oxidative degradation has recent consecutive studies (19,20). The cleavage occurred internal to generation site, referred to as int, and at the adjacent 5' (nucleotide) strand scission, as a c of the radical from its original base. Nevertheless, a part of unspliced

Major problem—UV, cold, heat

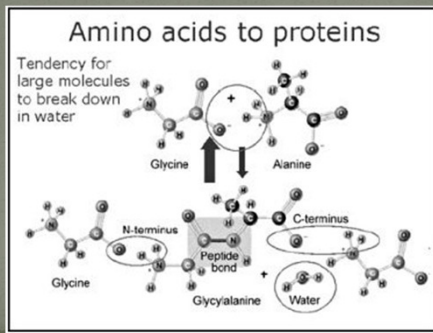
- Ultraviolet rays (UV) damage biomolecules.
- O₂—ozone problem.
- Solar energy systems e.g. photosynthesis immensely unlikely without a repair system.
- No sunlight.
- Reactions slow down in low temp.
- Heat (generates free radicals) which can damage the biomolecules.

Major problem—diffusion

- Biopolymers (DNA, RNA, proteins) were expected to come together to make information.



Major problem—hydrolysis



Problems with the problems

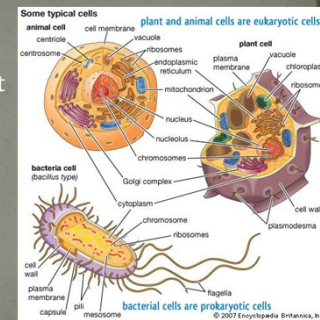
- Remember there was no copying or repair system of these biomolecules in abiogenesis.
- Once damaged or destroyed, it cannot be repaired or proceed to make useful information.
- It is unscientific to believe it is possible.
- It is far too complex to be by accident
- DNA , RNA, proteins break down easily.

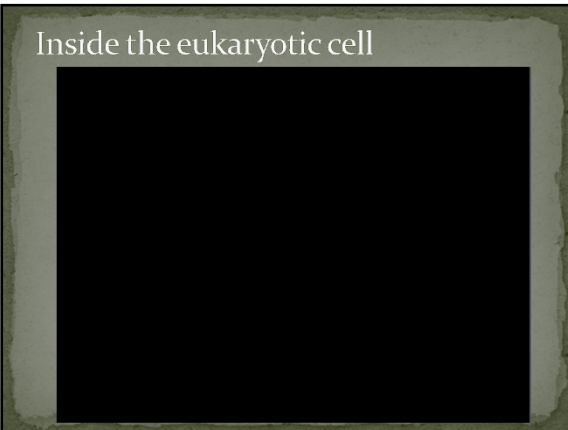
Complex use of biomolecules

- Even if the biomolecules could be formed, their purpose is far too complex to arise by accident.
- Each of these molecules are part of the message of life.
- Deleterious mutations in crucial genes will result in death.
- Or disrupt the entire information process in the “Central Dogma of Molecular Biology”.

The first cell

- The first cell is complex, even if it is the simpler Prokaryote.
- The first Eukaryote is unimaginably complex.





Panspermia

Nobel Prize winners
Watson and Crick

—

Crick says,
"The aliens did it!"

Creation 25(4) September–November 2003

SETI – The Search for Extra Terrestrial Intelligence

Govts. spend millions of \$\$\$

Millions of participants worldwide

Scan 28 million radio frequencies per second

In 40 years, what have they found?
Nothing!

At the speed of the Apollo craft, it would take 870,000 years to reach our nearest star.

Energy requirements

It would take the energy of 98 atomic bombs to propel a 500 gram (1.1 lb) ball to 50% speed of light (c). At this speed it would take 4,000,000 years to reach Andromeda, the next nearest galaxy to our own Milky Way.

Other problems

Detecting approaching objects

There are 100,000 dust particles 1km^3 (.24 mile³) of space. At one tenth of c , impact would be equivalent to 10 tons of TNT. A pea-sized object would produce kinetic energy equivalent to 2.2 atomic bombs.

<http://bestanimations.com/Military/Explosions/Explosions2.html>

When you leave the authority of the Bible
 Professing themselves to be wise, they became fools,
 Romans 1:22

ALIEN INTRUSION

UFO'S and the EVOLUTION CONNECTION
 GARY BATES

Updated & Expanded

CREATION BOOK PUBLISHERS
 An Amazon Top 50 Bestseller!

From:

Natural selection only sorts existing information!

CREATURES DO CHANGE BUT IT'S NOT EVOLUTION

With Dr Don Batten

CREATION MINISTRIES INTERNATIONAL


Information specifies living things

DNA for single-celled bacterium

DNA for horse (Lots of books)


Romans 8:21

“Because the creature itself also shall be delivered from the **bondage of corruption** into the glorious liberty of the children of God. For we know that the whole creation **groaneth and travaileth in pain together** until now.”



Our declining genes

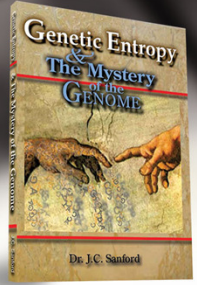
Former Cornell geneticist John Sanford:



“Even with intense selection, evolution is going the **wrong way**—toward extinction! ... The bottom line is that Darwinian theory fails on every level”

“... all higher genomes must clearly degenerate. ... [This is] powerful evidence that life and mankind must be young.”


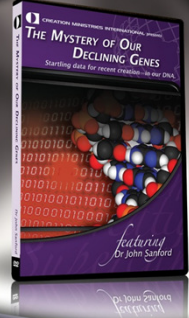
Sanford, J., in interview at creation.com/sanford, 2008.



Book

Genetic Entropy & The Mystery of the Genome


By Dr. J.C. Sanford

DVD

The Mystery of Our Declining Genes

with Dr John Sanford



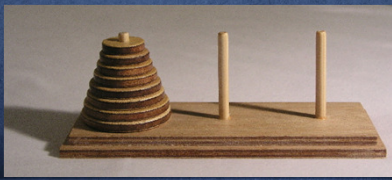
So what does it mean?

Using the same logic and measure.

Teleological argument for the Lord God Creator

Two lessons from Psychology

- Intelligence, planning, design, strategy
- Evil



Planning—Tower of Hanoi

- Tower of Brahma – room in a temple in Kashi Vishwanath
- Lucas’s Tower, after Mathematician Édouard Lucas
- Used to assess cognitive abilities—intelligence, strategy, planning, memory, problem solving. (Cambridge Neuropsychological Test Automated Battery or CANTAB)



Wikipedia Tower_of_Hanoi
Creation magazine 37(2) 2015

Tower of Hanoi

- Only one disc can be moved at a time.
- No disc can be placed on top of a smaller disc
- Each move consists only of taking the upper discs from one stack to another’s uppermost position.
- Legend has 64 discs – at 1 disc/sec, it will take $2^{64}-1$ seconds or roughly 585 billion years or 18,446,744,073,709,551,615 turns.



Tower of Hanoi

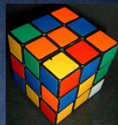


So what does it mean?



What are the chances?

‘Now imagine 10^{50} blind persons (standing shoulder to shoulder, these would more than fill our entire planetary system) each scrambling a Rubik cube and try to conceive of the chance of them all simultaneously arriving at the solved form. You then have the chance of arriving by random shuffling of just one of the many biopolymers on which life depends. The notion that not only the biopolymers but the operating program of a living cell could be arrived at by chance in a primordial soup here on Earth is evidently nonsense of a high order.’



—Fred Hoyle, The Big Bang in Astronomy, *New Scientist* 92(1280):527, 1981

Given enough time anything is possible?

- Scientifically and logically indefensible proposition
- How much time? 14 billion years?
- 10^{80} atoms in universe
- How many experiments possible?
- Every msec, every atom an experiment?
= $14 \times 10^9 \times 10^{80} \times 365 \times 24 \times 60 \times 60 \times 1000$
= Error!
= 4.4×10^{100}

One protein by chance?

- One 'average' protein (300 amino acids)
- Assume: only twenty amino acids available by natural processes
- Assume they are optically pure
- Assume they form amide bonds without enzymes
- How many possibilities? $20^{300} = 10^{390}$
- Assume 4.4×10^{100} experiments.
- Conclusion: not *one* protein could form!!

The DNA code?

- ~900 base pairs (minimum)
- Assume only the 4 correct nucleosides available
- Assume they join together without enzymes
- 4^{900} possibilities = 10^{542} (worse)

Haldane's dilemma

With *slightly* more realistic assumptions (still optimistic), Haldane calculated that no more than 1667 beneficial mutations could be added in 10 million years of human-type generations.

1667 point mutations = 0.00005% human genome

God planned and designed you!

- Information and planning preexisted the existence of biomolecules (Gen “ray-sheeth” 起初 & John “ar-khay” 太初)
- God does *not* need a long time!
- He created Time!




Creation requires Power!

- Creation explains everything that we see around us.
- The first cell and what you are made of, is a powerful creation, a miracle, testifying the power of God.
- Something from nothing.
- Possible only by an all-knowing (planning), and unlimited God.
- Creation testifies that the Power of God is necessary along with the Wisdom of God (General Revelation)

Creation – God

- Creation puts God back at the focus.
- An all-powerful Spirit, made and interacts with our physical world.
- He came and became part of creation as the Lord Jesus Christ! – (The greatest miracle!)
John 1:14; John 3:16






Without Excuse!

For the invisible things of him from the creation of the world are clearly seen, being understood by the things that are made, even his eternal power and Godhead; so that they are **without excuse:**

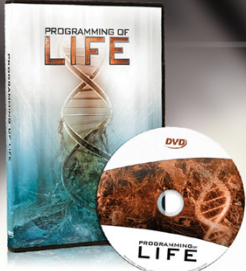
Romans 1:20



BOOK & DVD

Evolution's Achilles' Heels

CREATION MINISTRIES INTERNATIONAL



DVD


Programming of Life

CREATION MINISTRIES INTERNATIONAL



What about the Fall in Genesis?

- Is there support for the Fall?
- The evilness of Man?
- The need for redemption and salvation?




The F 'ALL' – fall before 'all'

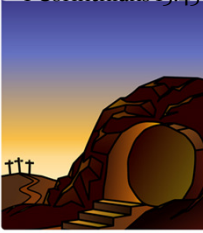
Wherefore, as by one man sin entered into the world, and death by sin; and so death passed upon all men, for that all have sinned:

Romans 5:12

'The first Adam'
1 Corinthians 15:45



'The last Adam'
1 Corinthians 15:45



For as in Adam all die, even so in Christ shall all be made alive.

1 Corinthians 15:22

Evil

- The Bible describes evil as willful deviation from God's commands and paths.
- Sin by omission (James 4:17) vs sin by commission (Genesis 3:6)
- Evolution does not believe in good and evil.

•Richard Dawkins (Oxford Prof.):

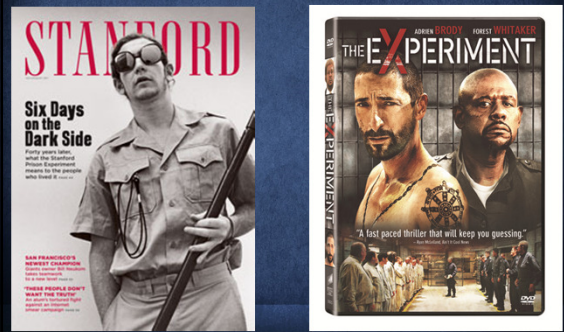
“we live in a universe which has no design, no purpose, **no evil and no good**, nothing but blind, pitiless **indifference.**”

- What does Psychology say about this topic of Evil?

Psychology of Evil

- Philip Zimbardo's Stanford Prison Experiment
- Stanley Milgram's Obedience Experiment

Psychology of Evil – Power corrupts



Psychology of Evil – Stanford Prison

- College students assigned as 'guards' and 'prisoners'.
- Participants “overplayed” their roles.
- ‘Guards’ used authoritarian and psychological torture.
- ‘Prisoners’ accepted abuse and harassed other prisoners to prevent abuse.
- Zimbardo affected and permitted abuse.

Psychology of Evil – Stanford Prison

- Christina Maslach (wife) initiated stopping the experiment after 6 days.
- The only person of over 50 to question morality.
- Originally planned for 2 weeks.
- Study revisited in Abu Ghraib Prison (2004)



“Evil is the exercise of power. And that’s the key: it’s about power. To intentionally harm people psychologically, to hurt people physically, to destroy people mortally, or ideas, and to commit crimes against humanity..”

Philip Zimbardo. TED Talks, Transcript.

Psychology of Evil - Milgram

Psych2go.net

Psychology of Evil – Milgram

- Study of willingness of people to obey an authority figure to do things against their conscience.
- Volunteer were to be the ‘Teacher’ and obey ‘Experimenter’ to teach the ‘Learner’.
- ‘Teacher’ administers shocks when ‘Learner’ responds incorrectly.
- 65% administered up to “450-Volts reluctantly”.

Psychology of Evil – Milgram

- Shocks were not real.
- ‘Learner’ acted out pain when shocked.
- Milgram concluded that people simply doing their jobs can be agents in a terrible destructive process.
- Even when the actions were incompatible with fundamental morality.
- Few people have resources to resist authority (or do we?)

We love to do Evil!

The good *man* is perished out of the earth: and *there is* none upright among men That they may **do evil with both hands earnestly....**

Micah 7:2-3

Jesus said:


For **from within, out of the heart** of men, proceed evil thoughts, adulteries, fornications, murders, thefts, covetousness, wickedness, deceit, lasciviousness, an evil eye, blasphemy, pride, foolishness: All these **evil things come from within**, and defile the man.

Mark 7:21- 23

GOD does NOT tempt us with Evil

Let no man say when he is tempted, I am tempted of God: for God cannot be tempted with evil, neither tempteth he any man: But every man is tempted, when he is drawn away of **his own lust**, and enticed. Then when lust hath conceived, it bringeth forth sin: and sin, when it is finished, bringeth forth death.

James 1:13-15



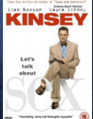
The 7th Commandment

Thou shalt not commit adultery.


Exodus 20:14

Psychology of Adultery

- The famous Kinsey reports (1948 and 1953) estimated that **50%** of all married males had some extramarital experience.
- Among the sample, **26%** of females had extramarital sex by their forties.
- Between **1 in 6** and **1 in 10** females from age 26 to 50 were engaged in extramarital sex.
- Stats were inflated as couples who have lived together for at least a year were marked as "married".



Sexual Behavior in the: Human Male(1948) Human Female (1953)



The 9th Commandment


Thou shalt not bear false witness against thy neighbour.

Exodus 20:16

Psychology of Lying

- "People tell a considerable number of lies in everyday conversation. It was a very surprising result. We didn't expect lying to be such a common part of daily life..."
- When they were watching themselves on videotape, people found themselves lying much more than they thought they had...
- It's so easy to lie. We teach our children that honesty is the best policy, but we also tell them it's polite to pretend they like a birthday gift they've been given. Kids get a very mixed message regarding the practical aspects of lying, and it has an impact on how they behave as adults."


Reported in EurekaAlert 10-Jun-2002. Feldman, R. S., Forrest, J. A., & Happ, B. R. (2002)..



WE ARE PRONE TO EVIL

When a righteous man **turneth away from his righteousness**, and committeth iniquity, and dieth in them; for his iniquity that he hath done shall he die.

Ezekiel 18:26



Blessed is the man that **endureth** temptation: for when he is tried, he shall receive the crown of life, which the Lord hath promised to them that love him.

James 1:12




Sin of Commission (knowing and unknowing)

And if ye have erred, and **not observed** all these commandments.....

Then it shall be, if *ought* be committed by **ignorance** without the knowledge of the congregation...

Numbers 15:22, 24




Sin of Omission

Therefore to him that knoweth to do good, and **doeth it not**, to him it is sin.

James 4:17

Summary - Psychology

- Psychological studies support the Biblical state of sinful man.
- We do not even know how sinful we are!
- We sin constantly, thus the commandments were given.
- God reminds us and saves us!



God's word above all!

Casting down **imaginings**, and every high thing that exalteth itself against the knowledge of God, and bringing into captivity every thought to the obedience of Christ;


2 Corinthians 10:5




Magazines

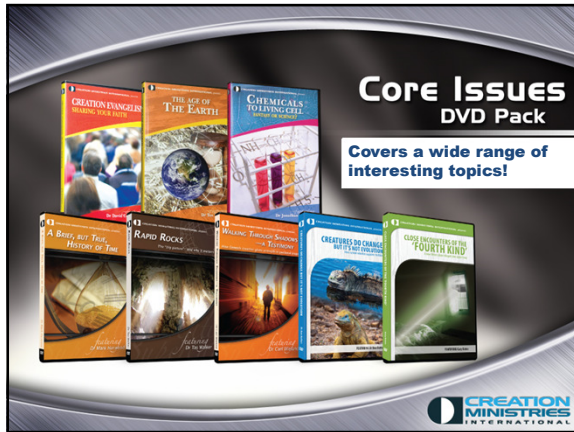
Creation Magazine

4 issues per year

Intro Pack





Books (also on Wattpad)

<http://tinyurl.com/7vt7yq> <http://tinyurl.com/742apl7>
<http://tinyurl.com/guidebiblelands>
 The Lord is my Rock and Redeemer facebook.com/TsuriVgoali/

GOD'S WORD is above All

All scripture is given by inspiration of God, and is profitable for doctrine, for reproof, for correction, for instruction in righteousness:
 2 Timothy 3:16

Every word of God is pure: he is a shield unto them that put their trust in him.
 Proverbs 30:5

