

Grow Evening



Prepared

by

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**Strategically positioned Christians, shaping
and transforming Science and Engineering
with kingdom thinking & principles**

Definitions



Definition: SCIENCE:

- **From the Latin word scientia, meaning "knowledge"**
- **Refers to any systematic knowledge-base or prescriptive practice that is capable of resulting in a prediction or predictable type of outcome**

Definition: TECHNOLOGY:

- **From the Greek word meaning "Craft" or "technique"**
- **Refers to material objects of use to humanity, such as machines, hardware or utensiles;**

Definition: ENGINEERING:

- **Engineer in Latin means 'ingenious'**
- **The creative application of scientific principles to design or develop structures, machines, apparatus, or manufacturing processes, or works; utilizing them singly or in combination;....**

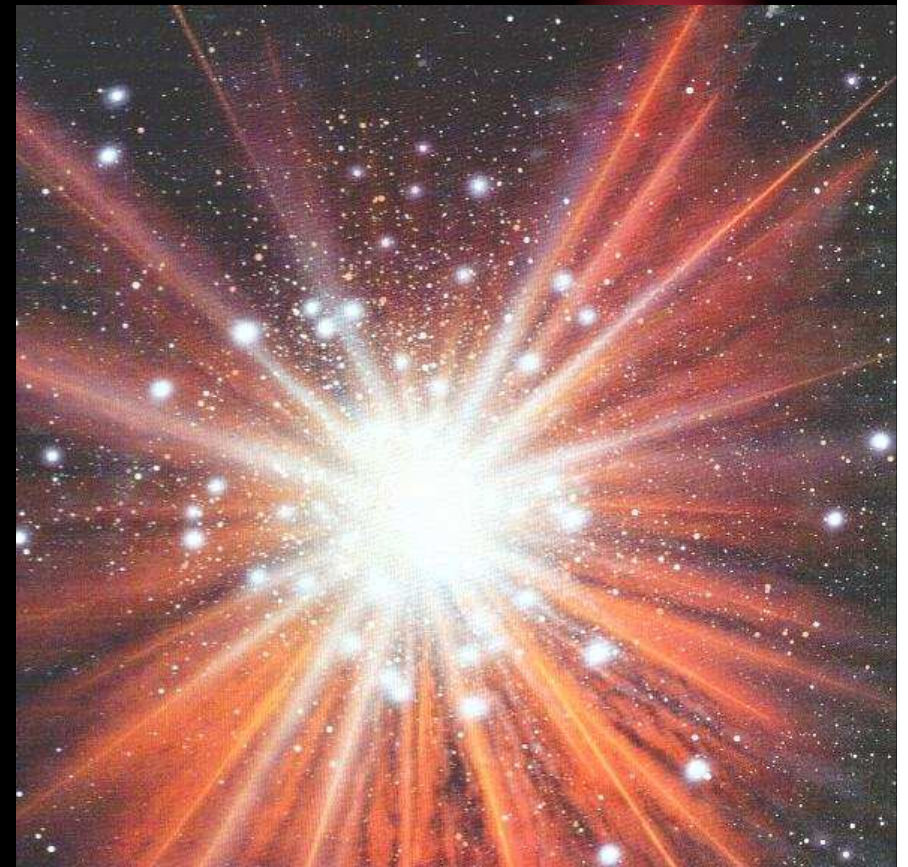
(<http://en.wikipedia.org/wiki/Science>)

The Biblical Template

Gen 1:1

In the beginning God created the heaven and the earth

Science or Engineering?



The Biblical Template



Gen 2:20-22

...but for Adam there was not found a helper suitable for him. So the LORD God caused a deep sleep to fall upon the man, and he slept; then He took one of his ribs and closed up the flesh at that place. The LORD God fashioned into a woman the rib which He had taken from the man

Science or Engineering?

Convergent with Gen 1:28 – A Dominion Commission

The Biblical Template



Genesis 6:8ffg

- 14 -16 "Build yourself a ship from teakwood (tropical hardwood, grows to 30-40 feet long). Make rooms in it. Coat it with pitch inside and out. Make it 450 feet long, 75 feet wide, and 45 feet high. Build a roof for it and put in a window eighteen inches from the top; put in a door on the side of the ship; and make three decks, lower, middle, and upper.

Science or Engineering?



The Biblical Template

Genesis 11:3ffg

And they said one to another, Come, let us make brick, and burn them thoroughly. And they had brick for stone, and slime had they for mortar. And they said, Come, let us build us a city, and a tower, whose top may reach unto heaven, and let us make us a name; lest we be scattered abroad upon the face of the whole earth.

And Jehovah came down to see the city and the tower, which the children of men builded.

Violating principles of the dominion mandate in Gen 1:28



The Biblical Template

Psalm 8:1-3

**O LORD, our Lord, how excellent is thy name in all the earth!
who hast set thy glory above the heavens. When I
consider thy heavens, the work of thy fingers, the moon
and the stars, which thou hast ordained;**

Science or Engineering?



The Biblical Template



Psalm 8:1-3

**But thou, O Daniel, shut up the words, and seal the book,
even to the time of the end:**

***many shall run to and fro, and knowledge shall be
increased.***

Today

Our philosophy

- **Good Science always confirms Scripture**
- **God is the giver of inspiration and he gives it to whomsoever He chooses**
 - **Job 32:8-9**

But there is a spirit in man: and the inspiration of the Almighty giveth them understanding. Great men are not always wise: neither do the aged understand judgment



**Newton's
Eureka!
Job 32:8-9
Gen 1:28**



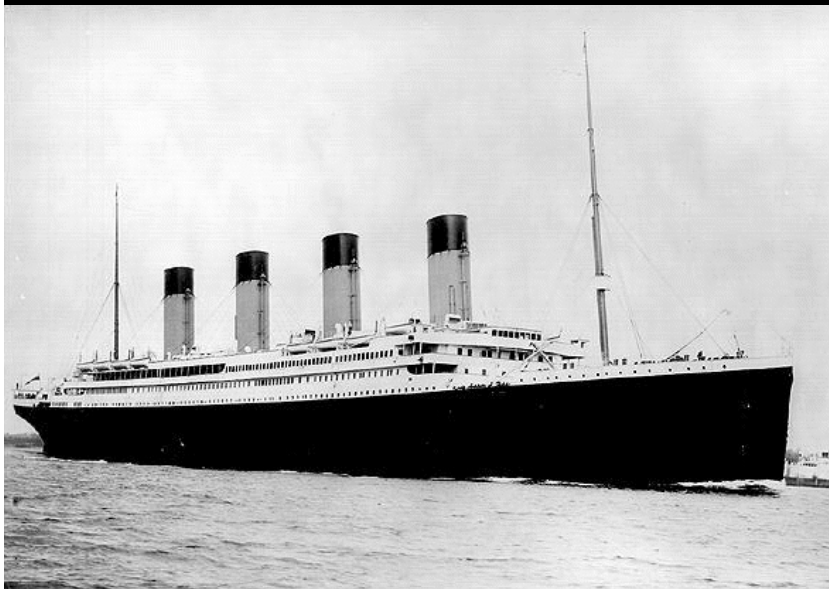


Noah's Ark

**Eureka!
Job 32:8-9
Gen 1:28**



Burj al Arab, Dubai



Titanic



Freedom of the Seas



Mount Everest

**Eureka!
Job 32:8-9
Gen 1:28**



Rose Tower, Dubai



Babel



Ryugyong Hotel, North Korea

The Biblical Template



- **God has an eternal purpose:**
 - **Ephesians 3:11 – “According to the eternal purpose which he purposed in Christ Jesus our Lord”**
- **God has a purpose for nations/peoples:**
 - **Rev 7:9-10 – “After this I beheld, and, lo, a great multitude, which no man could number, of all nations, and kindreds, and people, and tongues, stood before the throne, and before the Lamb...”**
 - **Gen 12:3- “in thee shall all families...be blessed”**
 - **Jer 51:29- every purpose of the LORD ... to make the land of Babylon a desolation without an inhabitant”**

The Biblical Template



- **God has a purpose for each individual**
 - **Exodus 35:30-35 ...Bazaleel and Aholiab had the Spirit of God (wisdom, understanding, knowledge), innovative; worked with diverse materials; taught**
 - **Jer 1:4 – “Then the word of the LORD came unto me... Before I formed thee in the belly I knew thee; and before thou camest forth out of the womb I sanctified thee, and I ordained thee a prophet unto the nations.**
 - **2 Timothy 1:9 – “Who hath saved us, and called us with an holy calling, not according to our works, but according to his own purpose and grace, which was given us in Christ Jesus before the world began”**
 - **Ephesians 1:11; Ephesians 2:10**
- **There is a time for every purpose (Eccl 3:1b)**

The Biblical Template



**God's plan for you involves you participating
in the realization of Rev 7:9-10**

CHRISTIAN SCI_s/ENG_s

Galileo Galilei (15 Feb 1564 – 8 Jan 1642)



- **Known for Kinematics, Dynamics, Telescopic observational astronomy, Heliocentrism**
- **Excerpts from a letter reveals Galileo's scriptural view..**

"I think in the first place that it is very pious to say and prudent to affirm that the Holy Bible can never speak untruth - whenever its true meaning is understood

- **Galileo's stand (CONTRARY TO THE CHURCH'S AND SCIENCE'S POSITION OF GEOCENTRISM) was based on Scriptures (such as Job 9:6) which concluded that the mobility of the earth is not contrary to Scripture**

CHRISTIAN SCI_s/ENG_s

Galileo Galilei (15 Feb 1564 – 8 Jan 1642)



- **The Holy Tribunal in Galileo's condemnation states:**
"The proposition that the sun is the center of the world and does not move from its place is absurd and false philosophically and formally heretical, because it is expressly contrary to the Holy Scripture. The proposition that the earth is not the center of the world and immovable, but that it moves, and also with a diurnal motion, is equally absurd and false philosophically, and theologically considered, at least erroneous in faith"
- **Charles Hummel (1986) states,**
"He was a passionate, powerful character who could dominate any room or discussion.
... His professional life was spent not only in observing and calculating but also in arguing and convincing. His goal was to promote, as well as develop, a new scientific world view."

www.christiananswers.net/q-eden/galileo.html; http://en.wikipedia.org/wiki/Galileo_Galilei

CHRISTIAN SCI_s/ENG_s

Isaac Newton 4 Jan 1643 – 31 Mar 1727)



- **Known for: Newtonian mechanics, Universal gravitation (laws of motion), Calculus, Optics, Hermeneutics**
- **Newton was highly religious, an unorthodox Christian, writing more on Biblical hermeneutics than the natural science he is remembered for today.**
- **Was part of the Arianism movement (most controversial teachings dealt with the relationship between God the Father and the person of Jesus)**



http://en.wikipedia.org/wiki/Isaac_Newton

CHRISTIAN SCIS/ENGs

Michael Faraday 22 Sep 1791–25 Aug 1867)

- **Known for: formed the foundation of electric motor technology, contributed to the viability of electricity in technology;**
- **Highly religious, member of the Sandemanian Church (very strict group of Christians);**
- **Married Sarah Barnard who he met through attending the Sandemanian church.**
- **Biographers have noted**
"a strong sense of the unity of God and nature pervaded Faraday's life and work"
- **Quotes:**
 - **Regarding the hereafter, "Speculations? I have none. I am resting on certainties."**
 - **"One day sir, you may tax it." Faraday's reply to William Gladstone, then British Minister of Finance, when asked of the practical value of electricity**



CHRISTIAN SCIS/ENGs

George Washington Carver

(Early 1860s-1943)



- **Born a slave**
- **Known for: interest in plants, peanut & soybeans**
- **A devout Christian, Carver considered his laboratory**
"God's Little Workshop"
- **developed 300 products from peanuts and 118 from sweet potatoes. From no market, by 1940 peanuts had become the South's 2nd largest crop. During World War II he developed 500 dyes.**
- **Carver's dedication to God and his people led him to patent only 3 of his 500 agricultural inventions because he wanted his products to benefit all**

CHRISTIAN SCI_s/ENG_s

David Block

- **Professor of Computational & Applied Mathematics**
- **Only South African astronomer whose research has twice on the front cover of *Nature***
- **Discovered the existence and quantities of cold and very cold (-253 °C) dust grains in galaxies other than the Milky Way**

“The gases cooled the hot gases associated with the rapid expansion of the universe at the time of the Big Bang and allows for the formation of cosmic bodies such as galaxies, planets and stars”

- **Quotes:**
 - **Faith is not blind; no one has seen an electron or gravity, but we have evidence to suggest they exist. Similarly, I believe we have good reasons to believe in God**
 - **I've always found that my research into the cosmos is attuned with my religious beliefs**

<http://www.conferencespeakers.co.za/speakerDetail.php?id=56>

<http://web.wits.ac.za/NewsRoom/NewsItems/DAVIDBLOCK.htm>



CHRISTIAN SCI_s/ENG_s

Akpofure Taigbenu



- **Professor of Hydraulics and Water Resources Eng.**
- **Developed a new formulation that was based on the boundary element method for the solution of certain transient groundwater flow problems**
- **Founder of the computational method – the Green element method (GEM) – whose robust capabilities have applications in many fields of engineering, and as well as the author of a 376 page text published in 1999 by Kluwer Academic Press, Boston, USA on the method**

CHRISTIAN SCI_s/ENG_s

Stefan Grab



- **Associate Professor of Geomorphology**
- **Interests in**
- **Monitoring climate and cryosphere on African mountains.**
- **Historical and contemporary patterns of soil erosion in southern Africa. Also determining soil erosion processes.**
- **Rock weathering processes.**
- **Archival and air photo based change analysis in African climates and earth systems (e.g. fluvial, erosion etc)**

CONTROVERSY OR CONFIRMATION CONVERGENT OR DIVERGENT?



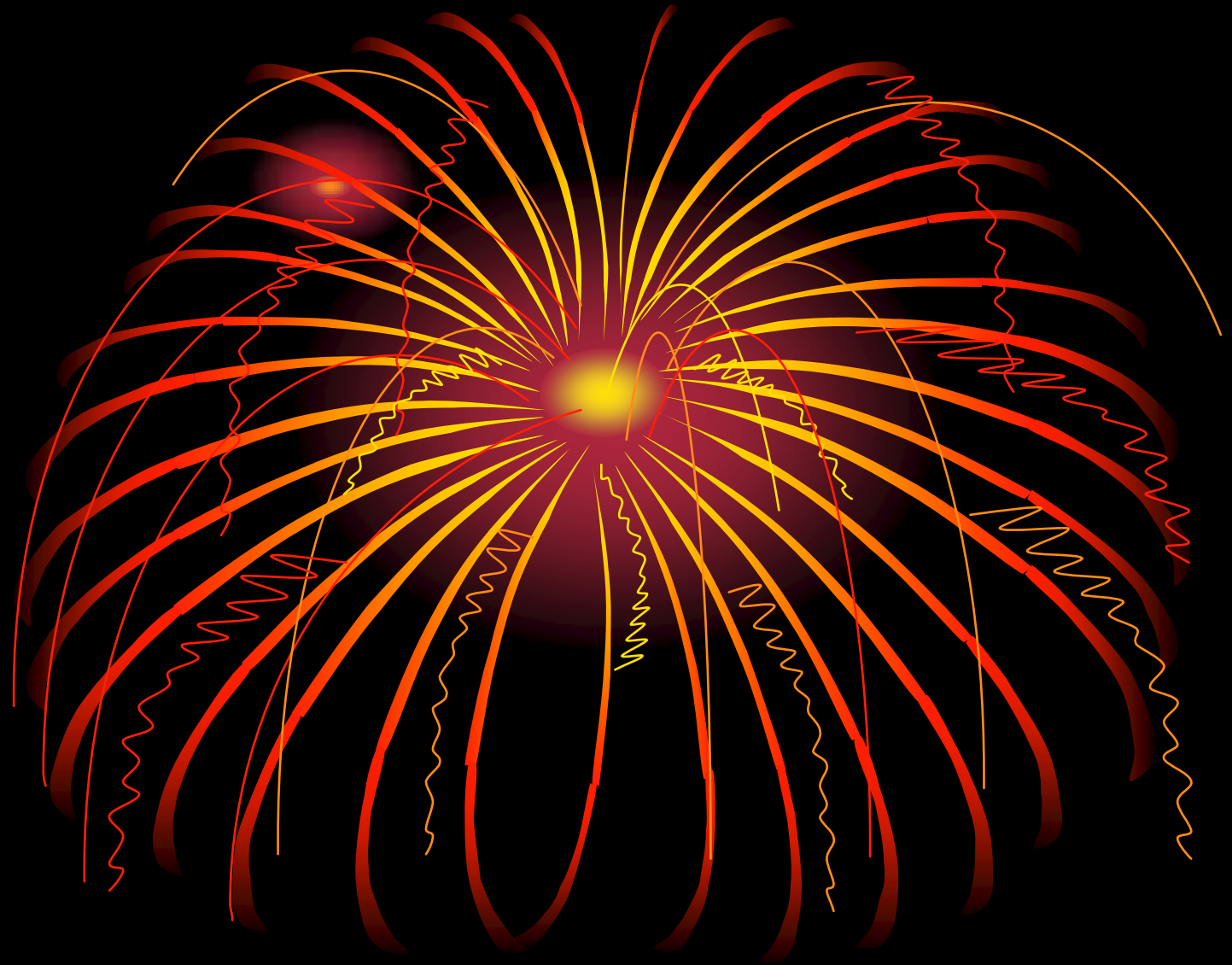
- **Creation OR evolution - 6 days or 6 billion years?**
- **Microchip implants?**
- **The parting of the red sea – Some scientific research indicates that the red sea area is a geologically active region of the world with earthquakes and tsunamis – a likely cause of the parting of the red sea**
- **The parting of the river Jordan – Some scientific research indicates there where landslides upstream of the Jordan river.**
- **God created man. Can man create man?**
- **The stars that led the wise men to Jesus' manger?**
- **7 years of plenty and 7 years of drought in Egypt – A natural, cyclical occurrence?**
- **Global warming – the beginning of the end?**

CONCLUSION?



Ecclesiastes:

- **1:12ffg ... And I gave my heart to seek and search out by wisdom concerning all things that are done under heaven: this sore travail hath God given to the sons of man to be exercised therewith.**
- **12:13. Let us hear the conclusion of the whole matter: Fear God, and keep his commandments: for this is the whole duty of man**



Questions?

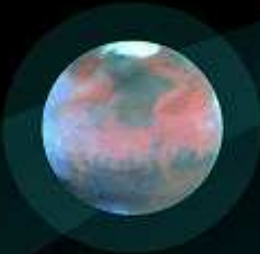
A finite Earth & a delicate balance

“The Goldilocks Effect”



Planets and atmospheres

Mars
Thin atmosphere
(Almost all CO₂ in ground)
Average temperature : - 50°C



Earth
0,03% of CO₂ in the atmosphere
Average temperature : + 15°C



Venus
Thick atmosphere
containing 96% of CO₂
Average temperature : + 420°C



GRAPHIC DESIGN / PHILIPPE REKACIEWICZ

The
Inconvenient
Truth DVD