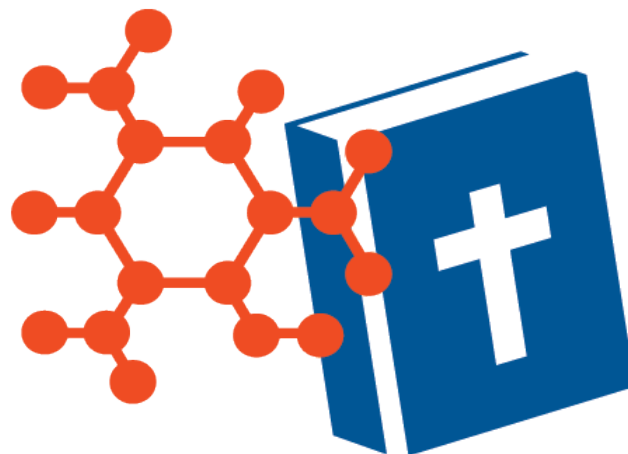


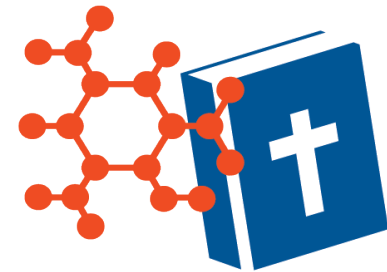


GCSscience

A Network of Scientists at Grace Chapel

What does GC Science do?

- Monthly book club
- Resource collection at church library
- Science resource for Grace Chapel
- Science and faith courses
- Other activities



GCScience



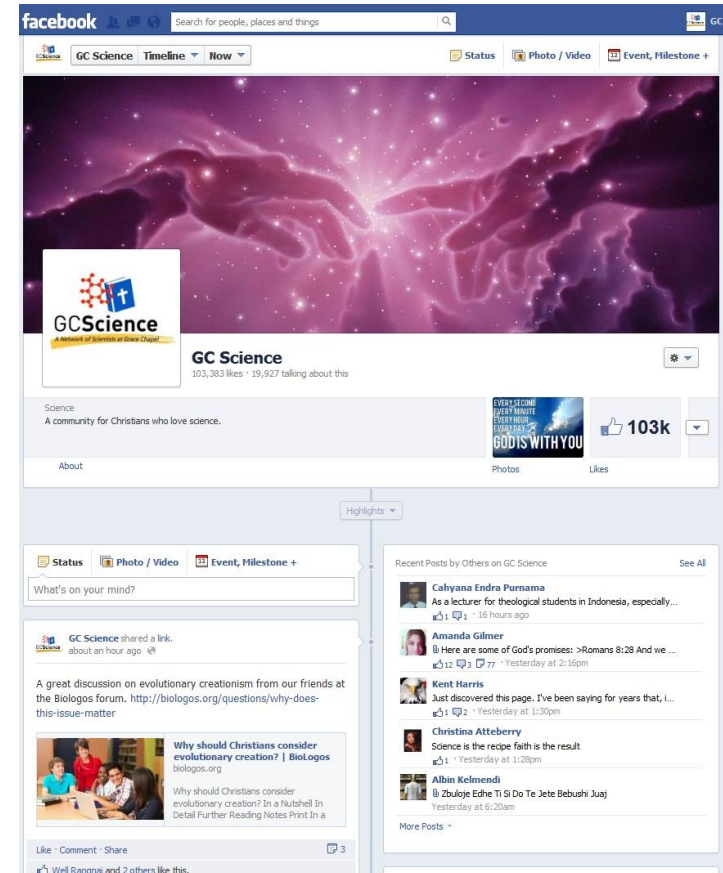
How to Contact GC Science

Web site: www.grace.org/science



The screenshot shows the GC Science website. The header includes the Grace Chapel logo and the tagline "Transforming lives with the surprising message of God's grace". A navigation bar lists categories like "ABOUT US", "ARE YOU NEW?", "LIFE AT GRACE", "CAMPUSES", "EVENTS", "GET CONNECTED", and "MEDIA". The main content area is titled "Home > Science and Faith" and features a "Welcome to GC Science at Grace Chapel" message. It lists upcoming events, including a "next Monthly Book Discussion Group" and "GC Science Registration". A sidebar on the left contains links for various groups like "Life at Grace", "Small Groups", "Adult Discipleship", etc. A video player for "Johannes Kepler Astronomer" is featured, along with a section for "Are Science and Faith in Conflict?".

Facebook:
www.facebook.com/GCScience



The screenshot shows the GC Science Facebook page. The header includes the Facebook logo and a search bar. The page features a cover photo of two hands reaching towards a bright light in a starry space. The profile picture is the GC Science logo. The page description reads "GC Science" and "A community for Christians who love science." It shows 103k likes and a list of recent posts by other users, including Calhyana Endra Purnama, Amanda Gilmer, Kent Harris, Christina Atteberry, and Albin Kelmendi.

Email: GCScience@grace.org

Following Christ in a Scientific World

Week 1: “Framing the Question”

September 16, 2012

Sarah Wolinski





Disclaimer



This series represents the personal views of scientists who attend Grace Chapel.

Our understanding of science continually changes with new data and so will our views.

Therefore, the views we will be presenting should not be taken as absolute truth.

Alternative views on science and faith are not only possible but expected as well as encouraged.

The Question: Are Science and Faith in Conflict?

The Question: Are Science and Faith in Conflict?

- **Some say yes**

SURVIVAL of the FITTEST



Source:http://www.bestfreechristian.com/clipart_03/image_077.htm

The Question: Are Science and Faith in Conflict?

- **Some say yes**
- **Overstated**

The Question: Are Science and Faith in Conflict?

- **Some say yes**
- **Overstated**
- **Origins a real issue**

What is Problematic About Origins?

What is Problematic About Origins?

- **Young-Earth Creationism**

1

Separation of light/darkness

**DAYS OF
CREATION
(Gen 1:1-31)**

2

Separation of sea/sky

3

Separation of sea/dry land; plants

4

Sun, moon, stars to rule over day/night

5

Sea creatures to fill waters; birds to fill sky

6

Animals & mankind to live on earth

Genealogies in Genesis

When Adam had lived 130 years, he had a son in his own likeness, in his own image; and he named him Seth. After Seth was born, Adam lived 800 years and had other sons and daughters. Altogether, Adam lived 930 years, and then he died.

When Seth had lived 105 years, he became the father of Enosh. And after he became the father of Enosh, Seth lived 807 years and had other sons and daughters. Altogether, Seth lived 912 years, and then he died.

When Enosh had lived 90 years, he became the father of Kenan. And after he became the father of Kenan, Enosh lived 815 years and had other sons and daughters. Altogether, Enosh lived 905 years, and then he died.

Genesis 5:3-10

What is Problematic About Origins?

- Young-Earth Creationism
(popular *interpretation* of Gen 1-2)

What is Problematic About Origins?

- Young-Earth Creationism
(popular *interpretation* of Gen 1-2)
- Disagrees with science

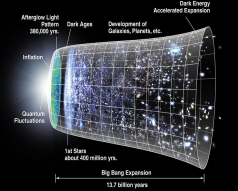
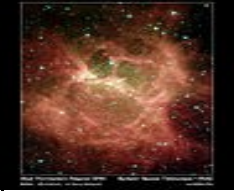
Cosmic “Calendar”

To help visualize what science says
about origins...

- Map Universe's 13,700,000-year history into single “calendar year”
 - Jan 1, 12 midnight: Big Bang
 - Dec 31, 11:59:59 PM: Now
- One “day” represents *37.7 million years*

JANUARY

KEY
1 "day" = 38 million years

	2	3	4	5	6	7
8	9	10	11	12		14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Jan 1, 12:00 AM (13.7 Bya)....Big Bang

Jan 13 (13.2 Bya)....Oldest Known Star

Bya = billion years ago

FEBRUARY

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

MARCH

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24	25	26	27	28	29

Remember:
Each “day”
represents 38
million years
of real time!

MAY

KEY
1 “day” = 38 million years

	1	2	3	4	5	6
7	8	9	10		12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

May 11 **(8.8 Bya)....Milky Way Disk**

Bya = billion years ago

JUNE

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29

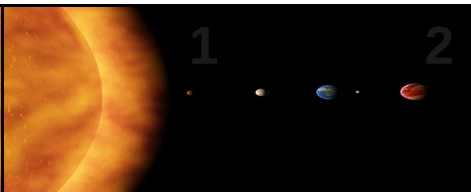
AUGUST

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Remember:
Each “day”
represents 38
million years
of real time!

SEPTEMBER

KEY
1 "day" = 38 million years

						3
4	5	6	7	8	9	10
11	12	13	14	15		17
18	19	20		22	23	24
25	26	27	28	29	30	

Sep 1-2 (4.57 Bya)....Sun
(4.54 Bya)....Earth
(4.52 Bya)....Moon

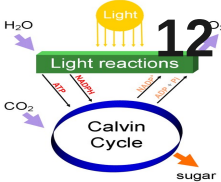
Bya = billion years ago

Sep 16 (4.0 Bya).....Oldest Earth Rocks

Sep 21 (3.8 Bya).....First Life (Single Cells)

OCTOBER

KEY
1 "day" = 38 million years

						1
2	3	4	5	6	7	8
9	10	11		13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29 O₂

Oct 12 (3.0 Bya)....Photosynthesis

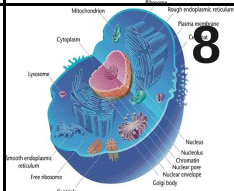
Oct 29 (2.4 Bya)....Oxygenation of Atmosphere

Bya = billion years ago

NOVEMBER

KEY
1 “day” = 38 million years

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			



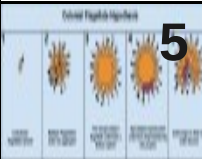
Nov 8 (2.0 Bya)...Complex Cells (Eukaryotes)

Bya = billion years ago

DECEMBER

KEY

1 "day" = 38 million years

				1	2	3
4		6	7	8	9	10
11	12	13	14		16	17
	19			22		24
25				29		

Dec 5 (1000 Mya)...Multicellular Life

Dec 15 (600 Mya).....Simple Animals

Dec 18 (500 Mya).....Fish, Proto-amphibians

Dec 18 (475 Mya).....Land Plants

Dec 20 (400 Mya).....Insects, Seeds

Dec 21 (360 Mya)....Amphibians

Dec 23 (300 Mya)....Reptiles

Dec 26 (200 Mya)....Mammals

Dec 27 (150 Mya)....Birds

Dec 28 (130 Mya)....Flowers

Dec 30 (65 Mya).....Primates

****Dec 31, 11:52 PM (0.2 Mya)...US!****

Mya = million years ago

What is Problematic About Origins?

- **Young-Earth Creationism**
(popular *interpretation* of Gen 1-2)
- **Disagrees with science**
- **What do we need to rethink?**

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 - Genesis interpretation

What is Problematic About Origins?

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- **What do we need to rethink?**
 - **Genesis interpretation**
 - **Theological issues**

What is Problematic About Origins?

- Young-Earth Creationism
(popular *interpretation* of Gen 1-2)
- Disagrees with science
- What do we need to rethink?
 - Genesis interpretation
 - Theological issues

How do we maintain vibrant faith in the face of these challenges?

Do We Really Have to Accept the Science?

Do We Really Have to Accept the Science?

- **What is science, anyway?**

Do We Really Have to Accept the Science?

- **What is science, anyway?**
- **How do we know “what science says”?**

Do We Really Have to Accept the Science?

- **What is science, anyway?**
- **How do we know “what science says”?**
 - **Peer review**

Do We Really Have to Accept the Science?

- **What is science, anyway?**
- **How do we know “what science says”?**
 - **Peer review**
 - **Weight of opinion**

Do We Really Have to Accept the Science?

- **What is science, anyway?**
- **How do we know “what science says”?**
 - **Peer review**
 - **Weight of opinion**
- **Is there scientific controversy over evolution?**

Do We Really Have to Accept the Science?

- **What is science, anyway?**
- **How do we know “what science says”?**
 - **Peer review**
 - **Weight of opinion**
- **Is there scientific controversy over evolution? (No)**

Do We Really Have to Accept the Science?

- What is science, anyway?
- How do we know “what science says”?
 - Peer review
 - Weight of opinion
- Is there scientific controversy over evolution? (No)
- The science isn't going away

Do We Really Have to Accept the Science?

- What is science, anyway?
- How do we know “what science says”?
 - Peer review
 - Weight of opinion
- Is there scientific controversy over evolution? (No)
- The science isn't going away
Let's work with it!

One Example of How to Find a Middle Ground: My Story

The task of Christian theology in every generation is not simply to repeat or paraphrase the tradition but to re-present it in fresh ways so that it can continue to speak meaningfully.

- D. Harlow, 2010

Week	Date	Speaker	Topic
1	9/16	S. Wolinski	Framing the Question
2	9/23	M. Bose	History of Sci/Faith
3	9/30	D. Rathman	Origin & Design of Universe
4	10/7	S. Schaffner & S. Wolinski	Scripture & Science, I: Nonconcordist
5	10/14	D. Rathman	Scripture & Science, II: Concordist
6	10/21	K. Carrier & M. Bose	Age of Earth, Origin of Life
7	10/28	S. Schaffner	Evolution
8	11/4	S. Schaffner	Origin & Nature of Humans
	11/11	TBD	GLOBAL AWARENESS
9	11/18	K. Carrier	Responding to Atheists
10	11/25	Team	How To Live as a Christian in a Scientific World