

American Scientific Affiliation 2003 Annual Meeting Schedule

Thursday, July 24

4:00 PM Check-in and registration
10:00 PM Registration closes

Friday, July 25

7:00 AM Breakfast
9:00 AM Registration begins
Field Trips
9:00 AM #1 - The Earth Has a History
#2 - High Altitude Ecology
#3 - National Center for Atmospheric Research
11:30 AM Lunch
12:30 PM #4 - National Renewable Energy Laboratory
#5 - Red Rocks - Dinosaur Ridge
6:00 PM Dinner
7:30 PM **Introductions and Opening Plenary Address**
Plenary: "A Universe of Wonder"
Dr. Deborah Haarsma, Professor of Physics and Astronomy, Calvin College
9:15 PM Welcome Mixer

Saturday, July 26

7:00 AM Breakfast
8:30-9:00 AM Morning Devotions and Worship
9:00 AM Spouse Field Trip #6 - Betty Ford Alpine Gardens
9:00 - 10:30 AM **Plenary: "Watching Galaxies Form Near the Beginning of Time"**
Dr. William Keel, Professor of Physics and Astronomy, University of Alabama, and
Dr. Alan Stockton, Astronomer, Institute for Astronomy, University of Hawaii
10:30-11:00 AM Refreshment Break

11:00 AM - 12:15 PM Parallel Session I

A: Introduction to Cosmology

A Layperson's Introduction to the Big Bang -- Perry Phillips (45 min.)
Chiasmic Cosmology and Scientific Cosmologies --George Murphy

B: Cosmology in Scripture

The Cosmology of Genesis 1 -- William Monsma
A Scriptural Star Trek? -- William Traugott
Objections to Planetary Conjunction Hypotheses for the Identity of the Star of the Magi -- Sherman Kanagy II

C: Environmental Stewardship

Christian Environmentalist, A Political Force to be Reckoned With -- Mike Hingle
Freshwater Mollusks: A Part of Creation in Dire Need of Care -- David Christopher Campbell
A Biological Integrity Assessment of the Conewago and Codorus Watersheds -- Michael Burrell

12:15 - 1:15 PM

Lunch

Student and Early Career Scientist Luncheon

1:25 - 3:30

Parallel Session II

A. Discoveries in Cosmology: New Theories, New Questions

Nothing New Under the Sun: An Analysis of Steinhardt and Turok's Cyclic Universe Model -- Brian Thomas
Now that I've Seen Everything, So What? -- Paul Arveson
Cosmological Darwinism and its Discontents -- Robert Mann
Superstring Cosmology: God's Blueprint for the Universe -- Gerald Cleaver
Does the Big Bang Strongly Support Creation Ex Nihilo? -- James Brian Pitts

B. Divine Action in Nature: Special Session

Two Modes of Divine Action in History -- Craig Rusbult
Give Me Some of That Old-Time Theology: A Reflection on Charles Hodge's Discussion of Concursus in Light of Recent Discussions of Divine Action in Nature -- Terry Gray
A Geometric Basis for Divine Action in the World -- Frank Roberts
Fine-Tuning in the Universe -- David Wilcox
Where Do the Angels (et al) Fit In? -- Robert Newman

C: Bioethics and Stewardship: Special Session

Biogeographic and Trophic Restructuring of the Biosphere: The Earth Under Human Domination -- Cal DeWitt
Human Population Growth and Control: Religious and Ethical Challenges -- Hessel Bouma III
Christians and Birth Control -- Jim Peterson
Global Climate Change: A Defining Issue for the 21st Century -- Richard Wright

3:30 - 4:00 PM

Refreshment Break

4:00 - 6:05 PM Parallel Session III

*A: Cosmology,
continued*

Panel Discussion: How Do We
Understand the New Cosmological
Models in Light of our Faith?

*B: Divine Action in Nature,
continued*

The Order of Nature, Human
History, and Natural History --
Peter Payne
Divine Action in Nature: Visible
Only Through Faith --
Larry Olsen
Dimensions of the Human Being
and of Divine Action --
Peter Rust
Group Discussion

*C: Bioethics and Stewardship,
continued*

Biotechnology as Restoration:
Can We Feed Ten Billion People
and Protect Ecosystem Integrity?
-- David Koetje
Biotechnology and Food Security:
The Ethics of Gene Power --
Uko Zylstra
The Environmental Litany: Do We
Worry Too Much? -- John Wood
Group Discussion

6:15 - 7:30 PM Dinner Under the Stars! (under the tent, actually)

7:45 - 9:00 PM **Plenary: "*Copernicus and the Tale of the Pale Blue Dot*"**
***Dr. Dennis Danielson, Professor and Associate Head of the Department of English,
University of British Columbia***

9:15 PM Affiliation Meetings

10:00 PM Student and Early Career Scientist Ice Cream Social

Sunday, July 27

7:30 - 8:30 AM Breakfast

9:15 - 10:00 AM Bible Study
10:30 - 11:45 AM Worship Service

12:00 - 1:15 PM Lunch

1:20 - 3:30 PM

Parallel Session IV

*A: Is Earth a Privileged Planet?
Special Session*

Privileged Planet Theses:
Habitability;
Habitability-Measurability
Correlation --
Guillermo Gonzalez and
Jay Richards
Critique of the Privileged Planet
Hypothesis -- Kyler Kuehn
Historical Interlude: The Great
Copernican Cliché -- Dennis
Danielson
Teaching the Significance-of-Earth
Controversy in Science and Liberal
Arts Courses -- Mike Keas
Panel Discussion

B: Cosmology in History

The Divinity of the Starry
Heavens and the Origin of the
Copernican Revolution --
Thomas McLaughlin
Kepler: Astronomy from the
Eyes of Faith --
Owen Gingerich
Galileo the Theologian:
Hermeneutical Insights for
Today -- Denis Lamoureux
The Martian Fossil
Controversy: Theological
Implications form an
Earthly Parallel --
Robert Geddes

*C: Life Science:
Biology, Health, and Ethics*

An Evaluation of Some
Religious Perspectives on
Stem Cell Research --
Kristyn Mannoia
The Pestilence Walking in
Darkness: Science and
Ethics of Vaccination Policy
-- Kenneth Carter, Jr.
Entropy, Information, and
the Origin of Life --
Walter Bradley
PCR Detection of Plasmodium
Falciparum Strains and
Their Relationship to the
Severity of Malaria --
Jill Colabroy
The Effects of Bt Corn Pollen
on Green Lacewing
(Chrysoperla Carnea) Longevity,
Survivability, and Fecundity --
Rachel Gallusser
Walking and Talking: Physical,
Social, and Spiritual Benefits --
Fred Hickernell

*D: Our Science and Faith at Work
and Church I: Engaging the Campus
Special Session*

The Cambrian Explosion, the
Intelligent Design Movement,
and the Rising Challenge to
Biology Education -- Richard Aulic
Resolving Modern Anti-Evolutionary
Creationism into Two Distinct
Movements -- Josh Abraham
Teaching Honors Level Philosophy
of Science / Origins Science in a
Christian Environment -- William
Collier
Science as a Calling and an Issue
Presenting Science and Faith at
Church and a Campus Fellowship
-- David Christopher Campbell
Relativism and Engineering Education
-- William Jordan
Talking about God with Scientists
-- Loren Haarsma
Roundtable Discussion

3:30 - 4:00 PM

Refreshment Break

3:30 - 5:00 PM

Poster Session

Galaxy Interactions and the Origin of Quasars -- Gabriela Canalizo

Sensitive Very Long Baseline Interferometric Measurements of Interacting/Merging Galaxies -- Emmanuel Momjian
The Dynamics of Current Star Formation -- Jennifer Wiseman
A Lightless Precursor to the Observable Universe : Genesis 1:3 -- William Foulks, Jr.
Solution of Physics Puzzles Using Double-Universe Symmetries -- Lawrence Starkey

A Mechanical-Engineering Analysis of the Early Earth and the Days of Creation -- Walter Starkey
Applying God's Message in Nature -- Thomas Ingebritsen
Genesis 1 as a Sign of the Evolutionary Record: Art and Implications -- J. Raymond Zimmer
The Glorious Liberty of the Children of God -- Charles Kennedy, Sr.

Genomic Tricks -- Carl Resler
Evidence for Design in the Human Body -- Kristen Stoermer
Origins and Designs -- Donald Strombeck
Teaching Courses on Astronomy, Science, and Faith Issues for Lay Audiences (Both Believers and Skeptics) -- Gladys Vieira

Regulation of the Cell Cycle by the Anaphase-Promoting Complex (APC) -- Joshua Bembenek
Implications of Cell Death in the Generation of Auto-Immune Responses -- Michelle Harris
Selection and Analysis of Escape Variant Mutations Affecting Epitope IV of the Simian Virus 40 Large Tumor Antigen -- Anuj Kalsy
Selection and Analysis of Escape Variant Mutations Affecting Epitope I of the Simian Virus 40 Large Tumor Antigen -- Alexandra M. Smith

5:00 - 6:00 PM ASA Business Meeting

6:15 - 7:15 PM Dinner

7:45 - 9:00 PM **Plenary: "The Magnificent Worlds of Jupiter"**
Dr. Eilene Theilig, NASA Jet Propulsion Laboratory
Project Manager, Galileo Mission to Jupiter

9:15 - 10:15 PM Commission Meetings

Monday, July 28

7:00 AM Breakfast

8:30 - 9:00 AM Morning Devotions and Worship

9:00 - 10:15 AM **Special Plenary**

10:30 AM -12:15 PM Parallel Session V

*A: Astronomy Research
at the Cutting Edge*

B: Social Sciences

*C: Engineering, Technology,
and Ethics:
-- Special Session*

*D: Our Science and Faith at Work
and Church II: Engaging the
Church -- Special Session*

Observing the Evolution of Stars
Like the Sun -- Bruce Hrivnak
The Dynamics of the Oort
Comet Cloud, with Impact on
Terrestrial History
-- Lawrence Molnar
Dark Matter in Galaxies
-- Aaron Romanowsky
Elliptical Galaxies:
CO Content vs. Morphology
-- Corrie Lambrecht

Evolution Psychology and
Divine Revelation: Synergy,
Not Conflict, in Understanding
Morality -- Loren Haarsma
Snark or Boojum? Trends in
the Integration of Psychology
and Christianity -- William
Struthers
Radical Centrism and the
Redemption of Secular
Philosophy -- Ernest Prabhakar

DNAPLs, Kuhn, and the
Future of Groundwater
Remediation -- Craig Divine
ETHICS IN ENGINEERING
AND TECHNOLOGY:
PANEL DISCUSSION
-- Ruth Miller, Chair

Science and the Local Church:
Confrontation, Avoidance, or
Engagement -- Keith Miller
Speaking to Your Church
About Science -- Deborah Haarsma
Hermeneutics of the Bible Belt:
Struggles in Interpretation
-- Max Bonilla
Writing that Connects
-- Jim Ruark
Presenting Cosmology to a
Local Church -- Brian Thomas
Roundtable Discussion

12:30 - 1:30 PM Lunch

1:30 PM Meeting Adjourns ; checkout

k
pus

e
ary

ly

e:

)

ation

