



The 70th Annual Meeting of the American Scientific Affiliation

Hearing God's Voice in Nature



"Great are the works of the LORD; They are pondered by all who delight in them."

—Psalm 111:2

July 24–27, 2015

Oral Roberts University
7777 South Lewis Avenue
Tulsa, Oklahoma 74136

Meeting Schedule Highlights

THURSDAY, July 23, 2015

- 7:00 AM–11:00 PM Lodging Check-in
3:00 PM–9:30 PM Meeting Registration

FRIDAY, July 24, 2015

- 7:00 AM–11:00 PM Lodging Check-in
8:30 AM–4:30 PM Meeting Registration

WORKSHOP

- 8:30 AM–4:30 PM Christianity and Science:
An Introduction to the
Contemporary Conversation
Ted Davis and Bob Russell, Leaders

FIELD TRIPS

- 8:30 AM–5:30 PM Geology
9:45 AM–4:00 PM Museums of Art and History
8:45 PM–3:30 PM Technology and Sustainability
1:00 PM–5:15 PM Boston Avenue United Methodist
Church Tour and Discussion

CONFERENCE BEGINS

- 5:30 PM Dinner
7:00 PM Plenary Session: Bethany Sollereeder,
“Blood, Fire, and Fang: Listening for
God in the Violence of Creation”
8:30 PM Mixer

SATURDAY, July 25, 2015, 8:15 AM–10:00 PM

- Meeting Registration
- Plenary Session: Alister McGrath, “Hearing God’s Voice in Nature: Natural Science and Natural Theology”
- Parallel Sessions
- Sand Volleyball Tournament
- Picnic
- Movie (tentative)
- CWIS Meeting
- InterVarsity Reception

SUNDAY, July 26, 2015, 9:30 AM–10:00 PM

- Worship Service
- Meeting Registration
- Plenary Session: Esther Meek, “Covenant Realism: How Love Is at the Core of All Things”
- Parallel Sessions
- ASA Business Meeting
- Communications Meeting
- Students and Early Career Scientists

MONDAY, July 27, 2015, 8:15 AM–12:00 PM

- Morning Devotions
- Parallel Sessions
- Plenary Session: Amos Yong, “The Breadth of God and the Life of Nature: Toward a Pneumatology-Science Dialogue”

SATURDAY–MONDAY, July 25–27, 2015

- Exhibit Tables
- Book Tables

Parallel Session Topics

- Biblical Studies
- Biology
- Cosmology
- Creation Care
- CWIS Faith, Gender, and Career Panel Discussion
- Design in Nature
- Divine Action
- Earth Science
- Education
- Ethics
- Information and Complexity
- Mind Sciences
- Missions
- Philosophy
- Revelation
- Sustainable Development
- Theology

Plenary Speakers

FRIDAY, July 24, 2015, 7:00 PM



Bethany Sollereeder is a Research Coordinator at the University of Oxford. Her first degree was in intercultural studies and theology in Edmonton at Vanguard College, and then she pursued the theological questions regarding evolution and suffering through a Master's degree at Regent College, Vancouver, and a PhD at the University of Exeter, under Christopher Southgate's supervision. She speaks at a wide range of events, from international conferences to local churches. When she is not engaged in academic pursuits, Bethany enjoys hiking, horseback riding, reading novels (particularly those of "the Inklings"), and taking in England's rich history.

SATURDAY, July 25, 2015, 8:45 AM



Alister McGrath is the Andreas Idreos Professor of Science and Religion at Oxford University. After an undergraduate degree in chemistry, McGrath pursued research in molecular biophysics, before switching to theology in order to lay the foundations for a program of engagement in science and religion. As a former atheist, McGrath is especially interested in the use of science in recent "New Atheist" apologetics, especially in the writings of Richard Dawkins. He has published widely, and is author of the award-winning work *C. S. Lewis—A Life* (2013), as well as numerous works dealing with the interface of science and faith.

Special note: Alister will join us via virtual connection to address questions regarding his prerecorded plenary lecture.

SUNDAY, July 26, 2015, 11:00 AM



Esther Meek (PhD, Temple University; MA, Western Kentucky University; BA, Cedarville College) is Professor of Philosophy at Geneva College in Western Pennsylvania, and Visiting Professor of Apologetics at Redeemer Theological Seminary in Dallas, Texas. Her 2003 *Longing to Know: The Philosophy of Knowledge for Ordinary People* (Brazos) is a book for people considering Christianity who have questions about how we know anything at all. Her 2011 book, *Loving to Know: Introducing Covenant Epistemology* (Cascade), proposes the transformative, covenant-shaped, interpersonal relationship as the paradigm for all human knowing. *A Little Manual for Knowing* (Cascade, 2014)

distills covenant epistemology into a how-to for any knowing venture in any field. Her current book project is an updating and revising of her dissertation, titled, *Contact with Reality: Michael Polanyi's Epistemic Realism and Its Value for Christian Faith* (Cascade). Her website, www.longingtoknow.com, links to some of her other work, and to related resources for knowing well.

Esther lives in Aliquippa, near Pittsburgh, PA. She serves on the Advisory Council of Aliquippa's Uncommon Grounds Café (www.uncommongroundscafe.org) and on the Board of Aliquippa Impact (www.aliquippaimpact.org). She has three daughters, Starr, Anastasia, and Stephanie; three sons-in-law, Alex, Evan, and Garrett; and two grandchildren, August and Joanna.

MONDAY, July 27, 2015, 11:00 AM



Amos Yong is Professor of Theology and Mission and director of the Center for Missiological Research at Fuller Theological Seminary in Pasadena, California. His graduate education includes degrees in theology, history, and religious studies from Western Evangelical Seminary (now George Fox Seminary) and Portland State University, Portland, Oregon, and Boston University, Boston, Massachusetts, and an undergraduate degree from Bethany University of the Assemblies of God. He has authored or edited over thirty volumes. He and his wife, Alma, have three children—Aizaiah (married to Neddy), Alyssa, and Annalisa. Amos and Alma reside in Pasadena, California.

Description of Pre-Meeting Workshop

FRIDAY, July 24, 2015, 8:30 AM–4:30 PM

Christianity and Science: An Introduction to the Contemporary Conversation

Featured speakers: **Edward B. (Ted) Davis** and **Robert J. Russell**

This workshop consists of four lectures, introducing participants to some key issues in the modern dialogue of Christianity and science. After Ted Davis provides a historical perspective, Bob Russell offers thoughtful answers to some of the crucial questions.

8:30–10:00 am: Why History Matters

The myth of an ongoing, inevitable conflict between science and Christianity remains prevalent, despite the fact that historical scholarship has thoroughly discredited it. Ted traces the origins of the “conflict” view and explains why historians no longer believe it.

10:30–noon: Understanding the Modern Dialogue of Christianity and Science

Ted identifies several key issues on the Christianity-science interface, offering a brief historical overview of each one. Issues will include creation, contingency, methodological naturalism, divine action (and the god-of-the-gaps), design, and theodicy. He concludes with a picture of the spectrum of theological opinion in the modern dialogue, using John Polkinghorne as an example of an important voice that is both modern and orthodox—the same niche occupied by Robert John Russell.

1:00–2:30 pm: Five Issues on the Frontier of Theology and Science: Big Bang Cosmology, Evolution and Creation

In his first lecture, Bob addresses three crucial issues in theology and science: (1) Does the beginning of time ($t=0$) in Big Bang Cosmology support belief in God? (2) Does the fine-tuning of physics in Big Bang cosmology support belief in God? and (3) Does “theistic evolution,” especially when it is enhanced by a theology of “non-interventionist objective divine action” (NIODA), offer the best theological response to Neo-Darwinian evolution?

3:00–4:30 pm: Five Issues (cont’d): Evolution and Theodicy, the Cosmic Future, Resurrection and Eschatology

In his second lecture, Bob addresses two additional crucial issues in theology and science generated by the issues of the previous lecture: (1) What is God's response to suffering in the evolution of life? and (2) Does the far future of the universe, one of endless expansion and “freeze,” undermine a Christian eschatology based on the bodily resurrection of Jesus?

Cost includes lunch\$50



A former president of the ASA, **Ted Davis** is Distinguished Professor of the History of Science at Messiah College (PA), where he teaches courses on historical and contemporary aspects of Christianity and science. Best known for studies of Robert Boyle, Ted edited (with Michael Hunter) *The Works of Robert Boyle*, 14 vols. (Pickering & Chatto, 1999–2000), and a separate edition of Boyle's profound treatise on the mechanical philosophy and the doctrine of creation, *A Free Enquiry into the Vulgarly Received Notion of Nature* (Cambridge University Press, 1996). His current research, supported by the National Science Foundation and the John Templeton Foundation, examines the religious lives and beliefs of prominent American scientists from the period between the world wars. A three-part study of Nobel laureate Arthur Holly Compton, based on this project, appeared in *PSCF* in 2009.

Robert J. Russell is Founder and Director of the Center for Theology and the Natural Sciences (CTNS) and the Ian G. Barbour Professor of Theology and Science in Residence at the Graduate Theological Union (GTU), Berkeley, CA. He is a leading researcher and spokesperson for the growing international body of theologians and scientists committed to a positive dialogue and creative mutual interaction between these fields. Bob is the author of *Time in Eternity: Pannenberg, Physics and Eschatology in Creative Mutual Interaction* (University of Notre Dame Press, 2012) and *Cosmology from Alpha to Omega: The Creative Mutual Interaction of Theology and Science* (Fortress Press, 2008). He has co-edited a six-volume CTNS/Vatican Observatory series on scientific perspectives on divine action and the first in the new series on scientific perspectives on the problem of natural evil. He co-edited *Resurrection: Theological and Scientific Assessments* (Eerdmans, 2002) and edited the festschrift, *Fifty Years in Science and Religion: Ian G. Barbour and His Legacy* (Ashgate, 2004). He is a founding co-editor of the scholarly journal *Theology and Science*.



Descriptions of Pre-Meeting Field Trips

FRIDAY, July 24, 2015

Geology



Tulsa is a leading North American energy city. This field trip will allow participants to explore the geology around Tulsa that attracted the energy industry after the first field was developed in the early 20th century. Expect to examine natural outcroppings at four locations, including sandstone and limestone strata that produce oil in the subsurface, collect some fossils and hike through the picturesque **Redbud Valley Nature Preserve**. During lunch at the **Oxley Nature Center**, we will have a discussion of petroleum geology, conventional and unconventional reservoirs, and “fracking.” Vans will depart at 8:30 am and return around 5:00 pm.



Cost includes transportation, box lunch and field guide\$35

Museums of Art and History

A tour of some of Tulsa’s favorite art museums will include the Philbrook Museum, the Tulsa Historical Society, and the Gilcrease Museum.



The **Philbrook Museum of Art** in Tulsa is an art museum housed in part in a 1920s villa, situated on 23 acres of formal and informal gardens. The museum opened October 25, 1939, and it houses exhibitions from around the world. The permanent collection encompasses European, American, Native American, Modern and Contemporary Art and Design, African, Asian and Antiquities. The integrity of the original residence remains intact while later additions to the facility and gardens complete this classic Tulsa attraction.

The **Tulsa Historical Society** is the only museum in Tulsa focused on building, preserving, and presenting a broad-based general collection of Tulsa’s history. It is located within a superb 28,000 square foot facility and grounds, formerly the site of a historic home in the Woodward Park complex. The museum has eight rotating exhibit galleries, the Tribune Research Library, and the beautiful Vintage Garden with its collection of architectural artifacts and bronze sculptures depicting Oklahoma’s five internationally famous Native American ballerinas.



Weather permitting, we will eat our box lunch in **Woodward Park**, one of the most well-known and beautiful parks in the greater Tulsa area located next door to the Tulsa Historical Society.

The **Gilcrease Museum** is situated on 475 acres in the foothills of the Osage Hills in northwest Tulsa. The grounds include 23 acres of historic theme gardens and the 136-acre Stuart Park. Virtually every item in the museum’s more than 400,000-piece collection relates to the discovery, expansion, and settlement of North America, with special emphasis on the Western Frontier and American Indian material. Van will depart at 9:45 am and return around 4:30 pm.



Cost includes transportation, box lunch, and admissions\$50

Technology and Sustainability



This trip will begin with a tour of Tulsa’s **Covanta Energy-From-Waste** facility. Covanta is one of the world’s largest owners and operators of infrastructure for the conversion of waste-to-energy (known as “energy-from-waste” or “EfW”), as well as other waste disposal and renewable energy production businesses. Below is a link to an OklahomaHorizonTV news report on Covanta’s facility:

https://www.youtube.com/watch?v=HdBc_zwIUtw

Weather permitting, we will eat our box lunch in **Woodward Park**, one of the most well-known and beautiful parks in the greater Tulsa area.



Next, this group will go to the **Tulsa Air and Space Museum (TASM)**. They will be given the opportunity to tour the facility and watch one of the presentations in the planetarium.



Today the museum chronicles the incredible aerospace heritage of Tulsa which includes early Tulsa aviators, the rise of the Tulsa Municipal Airport, the work done at Douglas Tulsa, American Airlines, North American, Rockwell, McDonnell Douglas and Boeing. The museum is the repository for not only its own artifact and aircraft collection garnered over the last 15 years but is also custodian of the Tulsa Airport Authority collection that includes the Charles W. Short collection.

In 2006, TASM became home to one of only three planetariums in the world using Spitz Fulldome technology. A recent renovation to Spitz SciDome HD projection technology has increased the number of pixels by 60% from the original system bringing a new level of excitement and realism to the experience. Van will depart at 9:30 am and return around 4:30 pm.

Cost includes transportation, box lunch, admission, and one planetarium show..... **\$50**

Boston Avenue United Methodist Church Tour and Discussion (sponsored by ASA’s affiliate, Christian Women in Science)

We will tour Tulsa’s famous Boston Avenue United Methodist Church (designed by Adah Robinson, a female architect), located in downtown Tulsa. Completed in 1929, it is considered to be one of the finest examples of ecclesiastical art deco architecture in the United States and has been designated by the Department of the Interior as a National Historic Landmark as well as listed on the National Register of Historic Places.

Boston Avenue United Methodist Church has a membership of over 8,000. Their church leaders have identified a number of their church members who have similar interests to ASA/Christian Women in Science members, and we will have refreshments and some discussion time with these women following the tour.

This field trip is open to everyone, but limited to 22 people. Photography is welcome. Each participant will receive a brochure about the building; also, two historical books (one on the church, one on the architect) are available for purchase. Vans will depart at 1:00 pm and return around 5:15 pm.



Cost includes transportation, donation, and refreshments **\$20**

Registration

All registrations must be submitted online. Payment in **US dollars**, however, may be made online or by mail. To register, go to www.asa3.org. We recommend using Firefox or Chrome browsers. If you are an ASA member, sign in to receive your member discount. No refunds after **June 30, 2015**.

REGISTRATION: (per person)	Conference	One Day Only
ASA/CSCA/CiS Member	<input type="checkbox"/> \$300	<input type="checkbox"/> \$100
Non-member	<input type="checkbox"/> \$350	<input type="checkbox"/> \$135
Spouse/Family Member	<input type="checkbox"/> \$150	<input type="checkbox"/> \$ 55
Student Premier Member	<input type="checkbox"/> \$ 0	<input type="checkbox"/> \$ 0
Student Basic or Student Non-member	<input type="checkbox"/> \$ 20	<input type="checkbox"/> \$ 20
Not attending any talks*	<input type="checkbox"/> \$ 0	

*This registration is for those not attending any talks but who will be an exhibitor, or who wish to purchase a social events ticket or a picnic ticket. In addition, the registrant may purchase tickets for a field trip, a workshop, lodging and meals or a meal package if staying off campus, and the aerobics center.

Please note:

- A change in registration such as lodging, meals, workshops, or field trips may result in an additional \$75 fee. Please be sure you have carefully selected all your registration items to avoid these additional charges.
- To make a change after your registration has been submitted, you will need to contact the ASA office by emailing marty@asa3.org.

Lodging and Meals on Campus

The conference package is purchased individually (PP). It includes lodging for Friday through Sunday nights, a linen package, and nine meals. Linens provided include a pillow and two pillowcases; two twin, flat sheets; two thermal spread/blanket; four bath towels; two hand towels; and two washcloths. The meals begin with Friday dinner through Monday lunch, including the Saturday night BBQ picnic. For those who need to extend their stay, Thursday night lodging includes three meals: Thursday dinner, Friday breakfast, and Friday lunch. Lodging only is available for Monday night.

We will be staying in **Gabrielle Christian Salem Hall**, an air-conditioned, three-story building that has free wireless internet access, but no elevators. Each floor has sections reached by a half a flight of stairs. You will enter the building on the main entrance level; handicap and disability rooms are located here. To reach the lower level, you walk down a half a flight of stairs. To reach the second and third floors, you take a center staircase to the middle section of these floors. To reach the lower and upper levels of the second and third floors, you walk down or up a half a flight of stairs. Each room accommodates one (single) or two (double) guests. Rooms on all sections of the first and second floors have private bathrooms. Rooms on the three sections of the third floor share community bathrooms.

There are limited quantities of types of rooms. If you select a double occupancy room and do not have a roommate, we will do our best to match you with a roommate. However, if we can't or if the roommate you have chosen doesn't register or if the roommate doesn't stay the same nights as you, you will be charged the single occupancy rate for the nights that you occupy the room alone. Each resident will receive a room key; lost room keys are \$75. Lodging check in and check out is available from 7 am to 11 pm daily.

Please note: Prices are in **US dollars**. Lodging and meals are not guaranteed after **July 6, 2015**.

Conference Package (per person)	Double Occupancy Private Bath (per person)	Single Occupancy Private Bath	Double Occupancy Community Bath (per person)	Single Occupancy Community Bath
Fri–Sun (9 meals)	\$250	\$300	\$235	\$265

Extended Stay (per person)	Double Occupancy Private Bath (per person)	Single Occupancy Private Bath	Double Occupancy Community Bath (per person)	Single Occupancy Community Bath
Thurs (3 meals)	\$75	\$85	\$70	\$80
Mon (no meals)	\$40	\$50	\$35	\$45

Meal Packages for Those Staying Off Campus

There are two meal packages for off-campus registrants: (1) a nine-meal package, Friday dinner through Monday lunch, includes the Saturday BBQ picnic; and (2) a six-meal package, Friday dinner through Monday lunch, includes the Saturday night BBQ picnic, but it does not include any breakfasts.

Please note: Prices are in **US dollars**. Meals are not guaranteed after **July 6, 2015**.

Nine-meal package	\$120
Six-meal package.....	\$95

Social Events Only

Social events includes attendance at the Friday mixer, beverage and refreshment breaks, morning devotions, sand volleyball tournament, Christian Women in Science, Sunday worship, ASA business meeting, and communications meeting.

Social events only	\$45
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Saturday Night BBQ Picnic and Sand Volleyball Tournament

Our Saturday night meal will be a catered BBQ picnic. During the evening, the sand volleyball tournament will be ongoing. The picnic is included in all lodging and meal packages and in the meal packages.

Sand Volleyball Tournament

The sand volleyball tournament is intended to be a time when the ASA family can get together and have some good clean fun. Everyone is encouraged to participate; from the ultra-competitive to the just-for-fun crowd. There are no separate divisions for beginner or expert; we'll all be in the same bracket. So get ready to encourage one another, and also cut each other some slack. That's what families do.

Standard volleyball rules apply, such as no more than 3 hits per side and no touching the net, but we will not be super-picky about how you hit the ball. Just try not to lift it. Teams can have anywhere from 2 to 6 people, with any combination of males and females. You can form your own teams before the conference, or we can put you on a team when you get here.

Matches will be self-refereed and self-scored. The first team to reach 21 points in two out of three games will advance to the next round. But if we have a lot of teams, we may have to play just single games. The tournament will start at 5 pm Saturday and continue until dark on the two sand courts behind Lake Evelyn. If need be, we can finish it up on Sunday night, but we'll try to complete it on Saturday. This tournament will be a lot of fun!

Picnic ticket for those not buying lodging and meals, or a meal package.....	\$35
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The Kenneth H. Cooper Aerobics Center

Registrants may purchase a pass to use the Cooper Aerobics Center during the conference. The amenities include the running track, second-floor fitness floor for cardio and weight lifting machines, the pool, racquetball courts, and locker rooms. The basketball courts availability is contingent on the athletic camps schedule. Amenities not included with access is the free-weight room, aerobics studio, practice room and the functional training section in that room.

Aerobics Center Hours:

Monday–Friday:	6 am–9 pm
Saturday:	10 am–9 pm
Sunday:	2 pm–6 pm

Pool Hours:

Monday–Friday:	12 pm–8 pm
Saturday:	12 pm–6 pm
Sunday:	Closed

Aerobics Center pass	\$10
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Exhibit Registration

The Exhibit Room located in the Fireside Room of the Hamill Student Center will be open the following hours:

Saturday: 9:00 am–5:00 pm
Sunday: 10:30 am–5:15 pm
Monday: 8:45 am–11:00 am

Each organization is provided one 6-ft table and two chairs. Limited number available.

All exhibit staff must register. Each exhibitor is expected to conform to the basic policy of the ASA: *“Where there is honest disagreement on an aspect of science, Christian faith, or the relationship between the two, the ASA strives to create a safe environment in which dialogue can flourish and diverse, even contrasting, ideas can be discussed with courtesy and respect.”*

Exhibit Registration \$100

Campus Map and Campus Parking

Click [here](#) for campus map. Conference parking is free; you will receive a temporary parking permit at registration. Parking has been designated for ASA in lot H on the north end of campus. If you are commuting, you are welcome to park in the lot G.

Off-Campus Lodging

Crown Plaza Tulsa

ASA has reserved a block of king rooms (nonsmoking) at the Crowne Plaza Tulsa Southern Hills, (www.CrownePlaza.com/tulsaok), 7902 South Lewis Ave., Tulsa, OK 74136 until **June 30, 2015**.

King rooms can accommodate two people. Each room is \$99 per night plus tax currently at 13.517%. Breakfast is included in the cost of the room for up to 2 people in the room.

For reservations, call toll free (877) 270-1393 or local at (918) 492-5000 and mention the group name American Scientific Affiliation or ASA.

If you require any further assistance with your reservation at the Crowne Plaza Tulsa Southern Hills, please request to speak with Sara Smith or you can email her at: Sara.Smith@Tulsacp.com.

Distance: Approximately 331 ft.

Days Inn Southern

Number: 918-299-8511

Address: 8888 South Lewis Avenue, Tulsa, OK 74137

Distance: Approximately 1.1 miles

Marriott Tulsa

Number: 918-493-7000

Address: 1902 East 71st Street, Tulsa, OK 74136

Distance: Approximately 1.1 miles

Holiday Inn Express and Suites Jenks

Number: 918-296-7300

Address: 150 Aquarium Drive, Jenks, OK 74037

Distance: 3.2 miles

ASA Ride Board and Travel Information

Ride-Sharing Forums: for [driving to ORU](#) or [sharing a ride from TUL-Airport Travel \(and Tourism\) Page](#), <http://network.asa3.org/?2015Travel> for information about traveling by car, plane, bus (local & Greyhound), or train.