

# Making a Global Impact

2014 Annual Report





**On the cover:**

Students on a geology field trip at Hutton's Unconformity, on the island of Arran, Scotland. This photograph was a submission to AGU's Postcards from the Field program, which aims to communicate members' science with a broad audience, demonstrate its importance, and put the research in context.

Credit: Simon Redfern

## Table of Contents

Letter from the President	2
Strategic Goals	4
Financial Summary	16
Donors and Sponsors	18
Volunteers	30

# Letter from the President



In our interconnected world, the scientific community is coming together in unprecedented ways to address the planet's most troubling challenges, such as the growing impacts of climate change, predicting and mitigating natural disasters, promoting space exploration, and advancing myriad other areas of promising research. In 2014, AGU focused its energies on ensuring that we too were bringing Earth and space scientists together to have a global impact on exhilarating avenues of inquiry underway.

You, our 60,000 member-scientists, are leveraging technology to make amazing breakthroughs. With you in mind, we are working to make more information accessible and to build a more interconnected community to help accelerate your work. We revamped our weekly print newspaper, *Eos*, and transformed it into a dynamic website that serves as a digital front door to complement our social media tools and publishing and news platforms—many of which are seeing unpre-

cedented use and exposure. We unlocked scores of journal articles and made them available for free to anyone with an Internet connection, boosting the research available to scientists in the developing world in particular. We continued to use technology to bring Fall Meeting content to people who could not attend in person, with more than 500 recordings available online and 3800 ePosters submitted. Nearly 200 journalists reported on the Fall Meeting, which has become a must-cover news event, and they produced more than 4500 original news stories that reached millions around the globe. Each of these initiatives, and many others, boosted our global reach in support of scientific advancement.

We're also working to identify the challenges facing the international scientific community and what can be done to alleviate them. AGU's leadership commissioned its first Scientific Trends Task Force, which surveyed AGU members and non-members about challenges facing their disciplines. The task force of 23 leaders in their fields gathered new insights about a dozen different trends and challenges across the sciences, ranging from data management to climate change to the growing demands on science from society. AGU will use these findings, which will be updated periodically, to help guide the development and growth of programs and initiatives to support its membership and help advance Earth and space science research around the world.

We know one of the greatest ways we, as an organization, can have a global impact is to bring people together. Our Fall Meeting once again attracted a record-breaking number of attendees. Luminaries, including U.S. Interior Secretary Sally Jewell and National Oceanic and Atmospheric Administration Administrator Kathryn Sullivan, spoke to us on the crucial role science plays in forming policy. We sparked extensive discussion—even outside the Moscone Center—about methane on Mars, sea ice loss, and scores of other subjects that spanned the Earth and space sciences. Our Science Policy Conference in Washington, D.C., provided leaders a chance to dive deeper and discuss ways to improve scientific funding and the relationship between the government and scientific community, and the Ocean Sciences Meeting in Honolulu, HI, allowed experts to discuss the fragility of our oceans, how to improve public engagement, and other thorny issues.

I am honored to have been at the helm of AGU at this pivotal time of scientific advancement. As the glue for this diverse community, AGU is looking ahead for opportunities to use our resources to have a global impact on complex scientific problems. We want to help you harness technology to find the breakthroughs buried in the data, fuse ideas coming from your cutting-edge labs, and share with the world the developments you are seeing and achieving in the field. Thank you for your continued support and engagement.

A handwritten signature in cursive script that reads "Margaret Leinen".

Margaret Leinen  
AGU President, 2015–2016

## Union Officers 2013–2014

**Carol Finn**  
President

**Margaret Leinen**  
President-Elect

**Christine McEntee**  
Executive Director & CEO

**Lisa Tauxe**  
General Secretary

**Susan Webb**  
International Secretary

**Mike McPhaden**  
Past President

## Union Officers 2015–2016

**Margaret Leinen**  
President

**Eric A. Davidson**  
President-Elect

**Christine McEntee**  
Executive Director & CEO

**Louise Pellerin**  
General Secretary

**Susan Webb**  
International Secretary

**Carol Finn**  
Past President

# Mission

The purpose of the American Geophysical Union is to promote discovery in Earth and space science for the benefit of humanity.

# Vision

AGU galvanizes a community of Earth and space scientists that collaboratively advances and communicates science and its power to ensure a sustainable future.

# Strategic Goals

## Scientific Leadership and Collaboration

The American Geophysical Union is a leader, collaborator, and sought after partner for scientific innovation, rigor, and interdisciplinary focus on global issues.

## Science and Society

The American Geophysical Union engages members, shapes policy, and informs society about the excitement of Earth and space science and its role in developing solutions for the sustainability of the planet.

## Talent Pool

The American Geophysical Union is a diverse and inclusive organization that uses its position to build the global talent pool in Earth and space science.

## Organizational Excellence

As a scientific society, the American Geophysical Union operates within a new business model that is sustainable, transparent, and inclusive in ways that are responsive to members and stakeholders.

# Members at a Glance

## Section & Focus Groups

**14%** | Atmospheric Sciences

**12%** | Hydrology

**11%** | Ocean Sciences

**7%** | Volcanology, Geochemistry & Petrology  
| Space Physics & Aeronomy

**6%** | Biogeosciences  
| Seismology

**5%** | No Data  
| Tectonophysics

**4%** | Planetary Sciences  
| Global Environmental Change

**3%** | Paleooceanography & Paleoclimatology

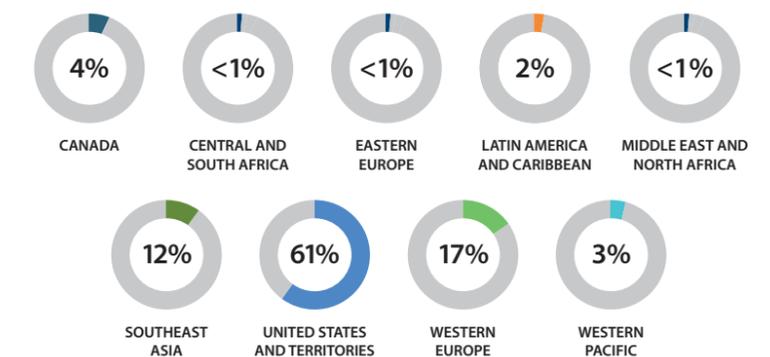
**3%** | Earth & Planetary Surface Processes

**2%** | Cryosphere Sciences  
| Geodesy  
| Geomagnetism & Paleomagnetism  
| Natural Hazards

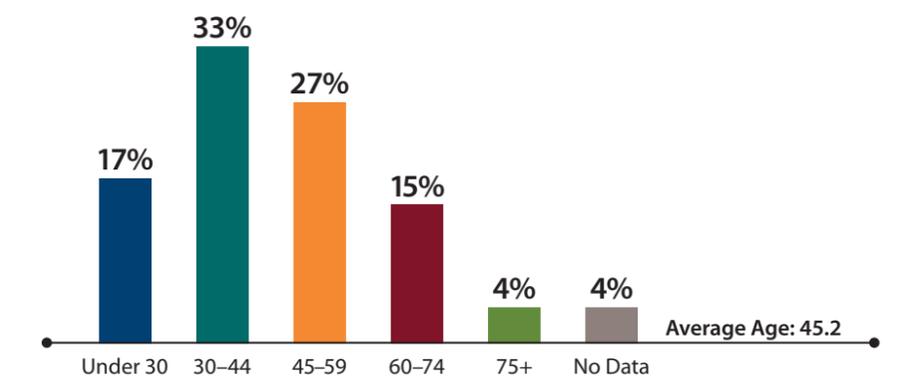
**1%** | Earth & Space Science Informatics  
| Mineral & Rock Physics  
| Near Surface Geophysics  
| Societal Impacts & Policy Sciences  
| Study of the Earth's Deep Interior  
| Atmospheric & Space Electricity  
| Nonlinear Geophysics

- The official 2014 year-end AGU membership is **59,443**. The 2013 year-end membership was 62,982.
- In 2014 **22%** of AGU members were students. Of the **72%** classified as regular members, **1%** were Associate Members, and **5%** were Life Members.
- The 2014 year-end gender distribution is **26%** Female, **72%** Male, and **2%** chose not to answer or data were unavailable.
- AGU members resided in **139** countries in 2014.

## REGIONAL MEMBERSHIP BREAKDOWN



## AGU MEMBERSHIP AGE BREAKDOWN





Credit: NASA

# Scientific Leadership and Collaboration

**A**GU set its sights on knowing more and sharing more in 2014, envisioning breakthroughs and helping create the framework to attain them within the worldwide Earth and space science community. As part of its wide-ranging efforts, AGU initiated the inaugural Scientific Trends Task Force that surveyed the entire AGU membership as well as non-members on trends in their disciplines. The results: our diverse community shares 12 common challenges, including the pervasive impact of climate change, challenges posed by globalization in science, and the need to store and use massive troves of data. These trends represent opportunities for AGU to help lead through its programmatic efforts in meetings, publications, honors and recognition, and affiliations with other organizations. Given the success of this effort, AGU will update the scientific trends profile at least every three years, examining current, near-term, and long-term scientific issues and trends across the Earth and space sciences.

## A Publishing Leader

AGU continues to be the industry leader in Earth and space science publishing. AGU journal articles saw record reach and use in 2014, and its publications continued to demonstrate the fastest publication times across all Earth and space science publications.

The organization also expanded access to AGU publications by making all articles published after 1997 available for free online once they have been subscription-only for 24 months. From public libraries in England to labs in developing countries, the reach of AGU articles has grown thanks to this move, with the hope that this significant collection will spark innovation.

AGU also launched its second open-access journal in a 12-month period, *Earth and Space Science*, which is the only journal to represent the expansive range of AGU's membership, including all of the Earth, planetary, and space sciences. The journal also created a much-needed home for papers about data sets, models, and software.

Knowing that AGU can and should set a high bar, the organization adopted a new ethics policy that establishes standards for research and improves the processes and expectations for anyone who wishes to publish.

**AGU**

### 2014 Scientific Trends Survey

The American Geophysical Union (AGU) has initiated a survey to help identify recent and emerging trends across Earth and space science, and we invite your participation.

Your input can range from descriptions of important new methods or datasets in your field, to the identification of emergent scientific issues, to challenges that will face our community over the course of the timeframes specified. A summary report and findings will be shared with the entire Earth and space science community later in 2014.

Please help AGU and the Earth and space science community by taking a few moments to complete this brief survey by 20 June.

<https://www.surveymonkey.com/s/AGUScientificTrends2014>

## Collaborating for Better Data Management

AGU is constantly seeking ways to help members better manage data. Working with Kerstin Lehnert, Director of Integrated Earth Data Applications (IEDA) and others through a National Science Foundation grant, the organization helped form COPDESS, the Coalition for Publishing Data in the Earth and Space Sciences, and developed a set of best practices for data archiving and created a web resource curated by publishers to help authors. AGU hosted a meeting in October 2014 to bring Earth science publishers, funders, and data facility managers together to provide leadership in data policies.

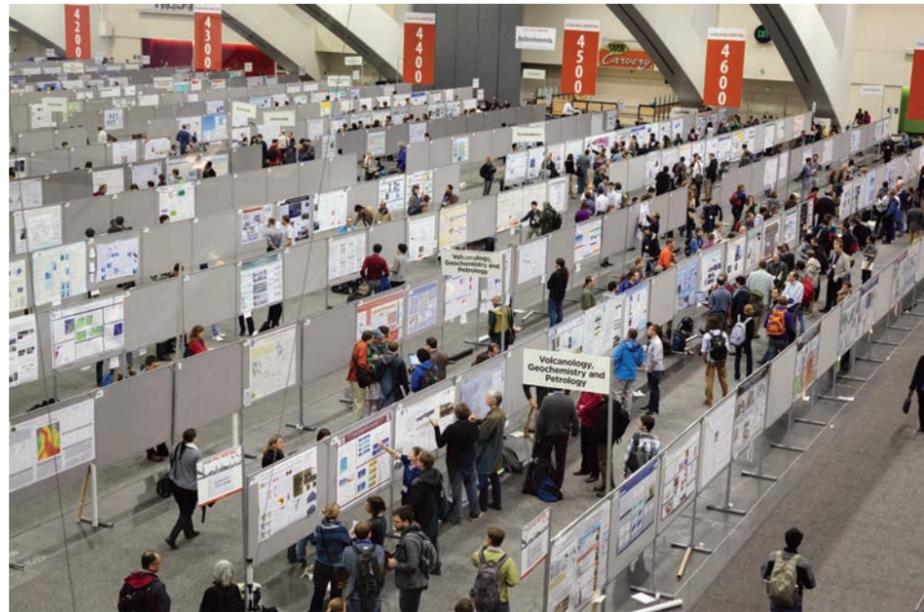
AGU also established a new relationship with Amazon Web Services to help members harness the power of data by optimizing how they store and process it. At Fall Meeting, in addition to hosting a Hack-A-Thon, AWS distributed research grants to attendees, including those participating virtually.

## Building Bridges

AGU meetings foster collaboration and innovation by bringing together thought leaders to consider new ideas and avenues for exploration.

Once again, AGU's Fall Meeting in San Francisco broke records: More than 23,000 abstracts were submitted and more than 24,000 attendees participated in 2014. Prominent General Session speakers included U.S. Interior Secretary Sally Jewell, National Oceanic and Atmospheric Administration Administrator Kathryn Sullivan, founder and former Zipcar CEO Robin Chase, The Schmidt Family Foundation President Wendy Schmidt, and Jeffrey D. Sachs, one of the world's leading experts on the war on poverty and director of The Earth Institute at Columbia University.

AGU continued to expand its virtual attendance at Fall Meeting, with more than 500 presentation recordings and nearly 3800 ePosters—an unprecedented number of presentations available beyond the walls of the Moscone Center. This virtual presence sparked unprecedented social media reach and participation on the AGU site.



AGU also partnered with other like-minded organizations in smaller settings:

- With a keen eye on humans' impact on the oceans, AGU, the Association for the Sciences of Limnology and Oceanography, and The Oceanography Society brought together 5600 experts across marine disciplines for the 2014 Ocean Sciences Meeting—a 38 percent increase in attendance over the 2012 meeting in Salt Lake City.
- The Indian Geophysical Union invited AGU to participate in a panel on education at their annual meeting.
- AGU partnered with the Society for Exploration Geophysicists for a joint summer research workshop entitled, "Advances in Active + Passive Full Wavefield Seismic Imaging: From Reservoirs to Plate Tectonics." Leading scientists came together in Vancouver, Canada, to examine the challenges and road ahead for improved imaging of the Earth.
- AGU partnered with the Japan Geoscience Union, European Geophysical Union, Asia Oceania Geosciences Society, and many others worldwide to strengthen Earth and space sciences in a variety of ways.

## Leveraging Member Wisdom

The AGU Fellows Program Task Force took a close look at the esteemed fellows program and compiled a comprehensive report to expand and improve its operation. The panel's seven key recommendations—all in the implementation process—included the creation of an AGU College of Fellows to serve as senior experts in their respective fields.

# Science and Society

In 2014, AGU transformed *Eos* from a weekly member newspaper into a dynamic digital news platform. Formerly available only to members, *Eos*' digital transformation expanded its reach to the worldwide Earth and space science community. *Eos.org* continues to be the authoritative source for scientific media coverage and a cornerstone of AGU's social media growth. The prestigious Interactive Media Council awarded the site "Best in Class" for science and technology.

AGU's online presence continued to grow in 2014. Facebook followers jumped 156 percent—from 20,164 to 51,543—and Twitter followers grew 34 percent from 20,785 to 27,886. The popular micro-blogging platform, Tumblr, became the backbone for the wildly successful Postcards from the Field campaign to showcase images—from the grubby to the gorgeous—of members' fieldwork and research.

The media took note of AGU. A May press release on the irreversible loss of west Antarctic glaciers was covered by dozens of major news outlets including *The New York Times*, *The Washington Post*, *USA Today*, *CBS Evening News*, and *The Associated Press*. In October, *The New York Times*, *Los Angeles Times*, *The Washington Post*, *Reuters*, and other news organizations reported on the Fall Meeting presentation about a methane plume on Mars detected by the Curiosity Rover. Readers around the world learned of this possible sign of life.

## Community Engagement

The Sharing Science Program brings together AGU members who are interested in sharing their expertise with the public, media, and policymakers. Opportunities include answering questions from news outlets or government officials, writing blog posts or op-eds, contacting their representatives or senators, or fulfilling requests for speakers. Participating scientists are invited to invaluable communication workshops to help hone their skills. One hundred people applied to attend the Fall Meeting workshop on communicating climate science and science storytelling in video, led by AGU, the Union of Concerned Scientists, and Frontier Scientists.

Thriving Earth Exchange, or TEX, continued to grow its relationships with partner organizations that want to harness the scientific expertise of AGU's diverse membership. Promising collaboration opportunities were established with Google Earth Outreach, the National League of Cities, the Environmental Protection Agency, and the International Association of Emergency Managers. TEX also embraced new online collaboration opportunities and forged new partnerships with its web platform, experiment.com, and M.I.T.'s Climate CoLab.



## Guiding Policy

"No matter what we do—whether it's land, water, wildlife, cultural and historic preservation, energy development—science is there every step of the way," Interior Secretary Sally Jewell stated in her keynote address at the third Science Policy Conference in June. Three champions of increased science funding—Reps. Jim Moran, D-Va., Donna Edwards, D-Md., and Scott Peters, D-Calif.—participated in a plenary session panel, entitled "Policy Perspectives: The Future of Science in the U.S. Congress." Moderated by POLITICO reporter Erica Martinson, the discussion challenged AGU members to help convince their colleagues in government that investment in scientific research is essential to maintain the country's position as a world technology leader and well worth the sometimes-significant risk.

The wide-ranging conference included sessions on natural resources, natural hazards, and science, policy, and public engagement on climate change. A highlight was the presentation of the AGU Presidential Citations for Science and Society to three leaders whose work has advanced the appreciation of the Earth and space sciences' value to society: Sen. Barbara Mikulski, D-Md., American science historian Naomi Oreskes, and American physical anthropologist Eugenie Scott.

AGU leaders also attended the official release ceremony of the third National Climate Assessment and hosted an exclusive conference call with several NCA authors, which attracted the participation of 144 AGU members.

With a keen eye on securing federal support for research, AGU organized three congressional visits days: Climate Science Day; Science-Engineering-Technology Congressional Visits Day, and Geoscience Congressional Visits Day. AGU also sent 19 letters to Congress to weigh on key science policy topics including funding, conference travel, and the peer-review process.

AGU hosted six congressional briefings on Earth and space science throughout the year. Perhaps most noteworthy, AGU partnered with the Seismological Society of America and the Hazards Caucus Alliance to present the Earthquake Congressional Briefing, which marked the 50th anniversary of the great Alaska earthquake.



# Talent Pool

**T**he American Geophysical Union is a diverse and inclusive organization that uses its position to build the global talent pool in Earth and space science.”

—AGU Strategic Plan, 2014

AGU embodied this pillar of its Strategic Plan for the talent pool by implementing several forward-thinking initiatives about the way it operates and recognizes contributions to the sciences.

The Honors & Recognition Committee invested substantial efforts in developing new ways to encourage the nomination of a diverse and inclusive field of candidates for recognition. The panel recommended canvassing committees to more broadly identify nominees and new award proposals that address diversity gaps. They also supported the work done by the Fellows Program Review Task Force, including the establishment of a College of Fellows.

Three new honors were awarded in 2014: the Ambassador Award, the Asahiko Taira International Scientific Ocean Drilling Research Prize, and the William S. and Carelyn Y. Reeburgh Award. These awards represent new areas of contribution for which AGU members are recognized—from significant societal impacts to transdisciplinary research.

### Advancing Careers

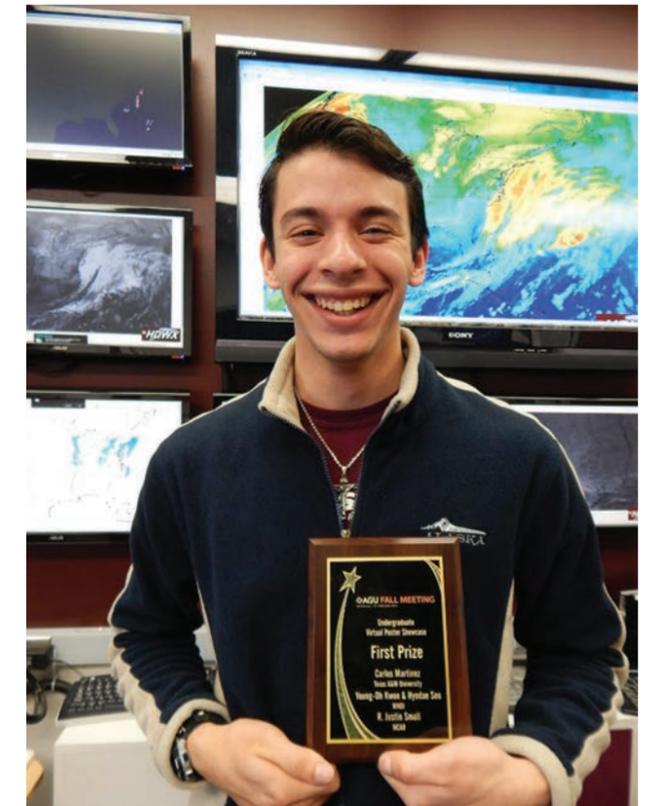
AGU established an early career scientist position on the Board of Directors to enhance the engagement and involvement of scientists who are launching their careers. The 2014 election marked the first time that two early career members appeared on the ballot for the AGU Board. As a result, Kelly Klima became the first early career scientist elected to the Board. The Governance Committee, chaired by immediate Past President Michael McPhaden,



evaluated all of the nominees for the student/early career Council positions and selected eight candidates for those slots. More importantly, the Governance Committee used this substantial vetting process to identify student and early career candidates who will be among the first to be considered for future volunteer positions.

AGU also worked to boost young scientific careers. During Fall Meeting, the Bright STaRS program brought together middle and high school students from Vermont, Colorado, California, Chile, and Hong Kong—with a record-setting 51 abstracts submitted by 90 participants. The youngest was a sixth-grader from Colorado who showcased his research on deploying unmanned aircrafts to observe glaciers and sea ice. For a second consecutive year, AGU also held a Virtual Poster Showcase session that allowed undergraduate students unable to attend the meeting in person to present their research. The Virtual Poster Showcase will be expanded in 2015 to operate outside the dates of the Fall Meeting and serve students in the southern hemisphere by offering opportunities to present their research according to their academic calendar. Lastly, AGU hosted its first “Student Mini-Conference” the day prior to Fall Meeting’s opening session. The conference included a technical track focusing on hydrology-related topics and a general track focusing on student and early career professional development. Its popularity was striking: The event sold out within 3 weeks.

AGU continued to stress the importance of making personal connections. The third annual Networking Reception for Early Career Female Scientists was held at Fall Meeting and had over 500 registrants. AGU partnered with two organizations for the event: the Earth Science Women’s Network and the Association for Women Geoscientists. Scheduled in conjunction with the reception, AGU also hosted a Diversity Reception in partnership with the Institute for Broadening Participation.



# Organizational Excellence Governance and Technology

Aided by input from members, AGU built on its strong organizational foundation to grow and include more voices in its programs, as well as address the diverse needs of its membership. A direct example of this was the establishment of the Affiliation & Engagement Task Force, charged with researching and understanding how members and other individuals associate and engage with AGU now—and how they would like to in the future. The task force answered the question: “What opportunities are being missed because they are not supported by our current structure?” Ultimately, the group will recommend a new model of affiliation and engagement to the Board.

Member voices were a key component of the process to transform *Eos* to *Eos.org* through the *Eos* Online Advisory Group. A panel of members and others, representing a variety of disciplines and experience with AGU and *Eos*, held several virtual meetings and provided continuous feedback to ensure that the design, content, taxonomy, and site functionality would create a positive user experience for AGU members and the wider Earth and space science community.

Finally, AGU conducted the Member Needs Assessment survey in October 2014 to establish benchmarks on the wants and needs of the membership, as well as trends when compared to the 2012 survey responses. Understanding the importance of working across disciplines, AGU added new questions to better understand member opinions related to affiliation, engagement, and interdisciplinary and transdisciplinary research.

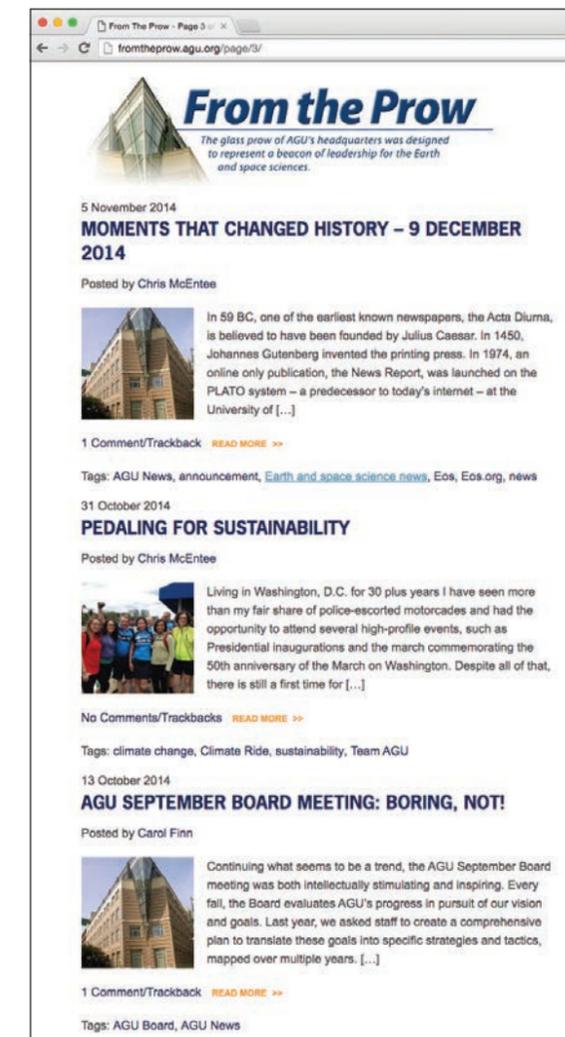
The American Society of Association Executives recognized AGU for excellence in its governance practices. AGU was placed in the top 10 percent of the ASAE’s governance study, which is based on its national survey of good governance practices at 1500 associations. Among areas examined, the survey considered board dynamics, staff relationships, productive strategic orientation, and a culture of learning and accountability.

## Tapping into Technology

AGU also received the “Forward Together” Award, recognizing outstanding work completed for a customer by an AVECtra partner at the company’s Users and Developers Conference. AGU earned the award for implementing Zurich, a point of sale technology used at conferences and events.

Adhering to the guidance from its 2014 implementation plan, the AGU Information Services team completed a technology roadmap that provides a multiyear vision to guide AGU’s technology investments. In order to better manage the large volume of projects ongoing at any one time, AGU also established a Project Management Office that tracked approximately 150 projects in 2014 alone, trained more than 110 staff, led more than 30 projects, and routinely provided project management support. The PMO formally reports to the senior team monthly to mitigate issues stemming from at-risk projects and those with resourcing needs, as well as to keep the senior team abreast of ongoing efforts and statistics related to its diverse portfolio of projects.

AGU leadership launched its “From the Prow” blog in August as a new way to communicate and engage with the membership about key programs and initiatives. Since its debut, the blog has featured nine posts and has been viewed nearly 2500 times. Posts primarily came from Chris McEntee and Carol Finn, with cameos from other AGU leaders, including the chair of AGU’s Fall Meeting Program Committee.



# Financial Summary

AGU completed another fiscally successful year on 31 December 2014. Positive operational performance and investment performance combined to provide sufficient funding for AGU's continued improvements in products, services, and information offered to members and society.

Tate & Tryon conducted the 2014 audit and gave AGU an unqualified opinion, indicating that AGU's financial statements fairly represented the organization's financial position and were in accordance with generally accepted accounting principles. Assets and liabilities were in balance on 31 December 2014, at \$108.9 million, which equates to an increase of approximately 3.5% over 2013. AGU continued to implement new technology and improved business processes during the year. Overall operating income and expense activities resulted in a gain of \$2.7 million.

To fund strategic initiatives in support of the Union's mission and to protect against business disruptions, AGU held financial reserves of over \$89 million at year's end. While positive investment returns are never guaranteed, AGU's

*continued on next page*

## Statements of Financial Position

December 31,	2014	(Restated) 2013
<b>Assets</b>		
Cash and cash equivalents	6,304,397	\$ 5,095,761
Investments	89,071,726	85,847,963
Debt Service Reserve Fund and other escrows	616,312	660,766
Receivables, net	3,810,555	3,628,306
Prepaid expenses	838,755	526,120
Property and equipment, net	8,137,861	9,286,992
Debt issuance costs, net	149,777	167,046
Arts and precious stones	3,667	3,667
<b>Total assets</b>	<b>\$ 108,933,050</b>	<b>\$ 105,216,621</b>
<b>Liabilities and Net Assets</b>		
Liabilities		
Accounts payable and accrued expenses	\$ 5,811,541	\$ 6,058,421
Deferred revenue	882,279	1,083,428
Postretirement health benefits	5,305,413	3,731,603
Security deposits	18,746	30,667
Interest rate collar	577,303	606,810
Notes payable	4,965,000	5,405,000
<b>Total liabilities</b>	<b>17,560,282</b>	<b>16,915,929</b>
Net assets		
Unrestricted:		
Undesignated	48,294,292	46,555,747
Designated	35,214,285	34,478,909
Total unrestricted	83,508,577	81,034,656
Temporarily restricted	7,258,771	7,266,036
Permanently restricted	605,420	-
<b>Total net assets</b>	<b>91,372,768</b>	<b>88,300,692</b>
<b>Total liabilities and net assets</b>	<b>\$ 108,933,050</b>	<b>\$ 105,216,621</b>

## Statements of Activities

December 31,	2014	(Restated) 2013
<b>Unrestricted activities</b>		
<b>Revenue and support</b>		
Publications, net of cost of goods sold	\$ 18,266,684	\$ 18,338,358
Meetings	10,144,952	9,649,570
Member dues	2,024,234	2,049,287
Grants and contracts	1,235,802	1,624,075
Rental Income	659,382	677,045
Other	251,290	175,560
Contributions	153,258	190,912
Royalty income	19,592	42,386
Net assets released from restrictions	454,301	438,109
<b>Total unrestricted revenue and support</b>	<b>33,209,495</b>	<b>33,185,302</b>
<b>Expense</b>		
<b>Program services</b>		
Marketing, communication, and engagement	8,867,452	7,807,425
Meetings	8,279,738	8,011,732
Publications	6,890,924	6,814,450
Science	2,610,684	2,046,526
Membership	1,489,872	1,276,496
Federal grant subawards	1,187,440	1,553,328
<b>Total program services</b>	<b>29,326,110</b>	<b>27,509,957</b>
<b>Supporting services</b>		
Fundraising and development	1,444,084	1,377,053
Building	944,760	1,291,621
General and administration	882,773	614,663
<b>Total supporting services</b>	<b>3,271,617</b>	<b>3,283,337</b>
<b>Total expense</b>	<b>32,597,727</b>	<b>30,793,294</b>
Change in unrestricted net assets from operations	611,768	2,392,008
Investment income	3,406,456	8,480,525
Net gain on interest rate collar	29,507	331,990
Postretirement health benefit (expense) credit	(1,573,810)	281,810
Change in unrestricted net assets	2,473,921	11,486,333
<b>Temporarily restricted activities</b>		
Investment income	289,643	839,792
Contributions	157,393	229,214
Net assets released from restrictions	(454,301)	(438,109)
Change in temporarily restricted net assets	(7,265)	630,897
<b>Permanently restricted activities</b>		
Contributions	605,420	-
Change in permanently restricted net assets	605,420	-
<b>Change in net assets</b>	<b>3,072,076</b>	<b>12,117,230</b>
<b>Net assets, beginning of year</b>	<b>88,300,692</b>	<b>76,183,462</b>
<b>Net assets, end of year</b>	<b>\$ 91,372,768</b>	<b>\$ 88,300,692</b>

investment portfolio is continually monitored to ensure that appropriate levels of safeguards and risks are in place to take full advantage of the market, and to meet the long-term needs of the organization. The organization's 2014 financial reserves gained \$3.3 million.

Revenues from membership, publications, and meetings were used to support the AGU Mission of promoting discovery in Earth and space science for the benefit of humanity through programs focusing on Scientific Leadership and Collaboration, Science and Society, Talent Pool, and Organizational Excellence. Additionally, AGU staff is actively engaged in the development of new member, business, and societal opportunities that will support the mission, vision, and future needs of the organization.

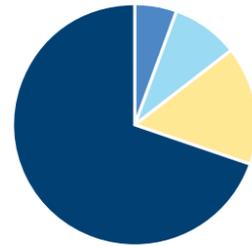
AGU leadership and management remain mindful of the changing U.S. and World economies, and their impact on the Union and its members, and are prepared to modify the fiscal strategies of the organization in order to meet the ever changing needs of the membership.

# AGU Donors

Since its inception in 1920, AGU has thrived because of the passion of its member scientists and the public who see the Earth and space science as a driving force for research and discovery. AGU recognizes the individuals who have made an exceptional impact through their annual contribution, helping AGU to become the international organization that it is today. Support from AGU donors, organizational partners, and charitable organizations funds the vital programs and services that make AGU the innovative and collaborative organization it is today.

## How AGU Gave in 2014

- Student Travel Funds (Over \$40,000)
- Section and Focus Group Funds (Over \$60,000)
- Unrestricted Funds (\$110,000)
- Special Initiative Funds (\$500,000)



## Donor Spotlight



Carelyn Y. and William S. Reeburgh  
(photo courtesy of the Reeburghs)

William S. Reeburgh was a graduate student at Johns Hopkins University in the early 1960s when he was first introduced to the American Geophysical Union. A group of graduate students would drive to D.C. from Baltimore to attend the Spring Meeting, and “more than once we ‘crashed the gate’ by waiting in the men’s room until the badge checkers left their stations at the meeting room door. We gained so much from attending the meetings and being able to spend time

with senior members and mentors,” recalls Reeburgh. “It was clear that everybody regarded their work as more than ‘a job.’ That passion inspired him as a student and continues to inspire him today.

Reeburgh remained active with the Ocean Sciences and Atmospheric Sciences sections through the years, eventually leading the Biogeosciences Section as President-Elect and President (2004–2008) and serving as editor of *Global Biogeochemical Cycles* for six years

(1998–2004). Now an AGU Fellow (2001), Reeburgh remembers his time with *Global Biogeochemical Cycles* as especially surprising. “I simply didn’t expect the reviews to be so thorough and constructive. The reviewers truly raised the bar with each manuscript, and the authors frequently requested extra time to incorporate reviewer suggestions.”

The passion that AGU members share with each other, students, and early career scientists prompted Reeburgh and his wife, Carelyn, to find a way to give back and encourage future generations of AGU members. In 2014, they worked to endow the William S. and Carelyn Y. Reeburgh Lecture in Ocean Sciences and Biogeosciences—specifically global biogeochemistry and marine biogeochemistry with novel field or laboratory measurements.

Reeburgh believes that invited lectures are an excellent mechanism for a scientist doing cutting-edge research to update senior scientists with a state-of-the-art review, and for young scientists to gain new perspectives and interact with not only the speaker, but to engage with new colleagues and mentors. Along with scholarships, Student Travel Grants, and Outstanding Student Paper Awards, lectures create unique opportunities for those attending AGU meetings.

“AGU has provided so many opportunities—and we feel strongly that if you benefit, you should give back. AGU has meant so much to me over the years, and Carelyn and I want to help create similar experiences for the next generation of members.”

# 2014 Donors

AGU gratefully acknowledges the 5649 gifts, grants, and pledges from members and friends during 2014. The 1919 Society (\$100,000 or more) and William Bowie Society (\$50,000–\$99,999) levels recognize single major gifts and cumulative contributions. Six societies acknowledge annual giving: the Principal Society (\$25,000 or more), Benefactors Circle (\$5000–\$24,499), President’s Circle (\$1000–\$4999), Leadership Circle (\$500–\$999), Prow Partners (\$250–\$499), and Supporters Circle (\$100–\$249). Loyal members who support AGU with a one-time gift of \$1200 or more along with their commitment of lifetime membership are counted among our Supporting Life Members. The Sustainers’ Circle recognizes donors who have supported AGU with a donation in each of the last 10 years.

\*\* Deceased

Corporate contributors in boldface

## 1919 Society

THE 1919 SOCIETY RECOGNIZES EXTRAORDINARY SUPPORT OF \$100,000 OR MORE

James A. Austin Jr.  
Santimay Basu \*\*  
Sunanda Basu  
Carlos A. Dengo  
**ExxonMobil Exploration**  
Robert E Horton\*\*  
**Integrated Ocean Drilling Program Management International**  
**Nature’s Own**  
Robert E. Riecker \*\*  
Edgar J. Saltsman \*\*  
Bruce Tsurutani  
Olga P. Verkhoglyadova  
Pinar Oya Yilmaz  
Roy Young

## William Bowie Society

THE WILLIAM BOWIE SOCIETY RECOGNIZES EXTRAORDINARY SUPPORT OF \$50,000–\$99,999

Stephen J. Burges  
Sylvia E. Burges  
**Chevron**  
Robert Cowen  
Steve J. Drussell\*\*  
Ronald W. Girdler\*\*  
William C. Graustein  
Cynthia Greeley  
Pembroke J. Hart\*\*  
Francis A. Kohout\*\*  
**Lockheed Martin Corporation**  
David E. Lumley

## NASA

Carelyn Y. Reeburgh  
William S. Reeburgh  
**Swiss Reinsurance Company**

## Principal Society

THE PRINCIPAL SOCIETY RECOGNIZES ANNUAL SUPPORT OF \$25,000 OR MORE

Sunanda Basu  
Cynthia Greeley  
**Integrated Ocean Drilling Program Management International**  
Carelyn Y. Reeburgh  
William S. Reeburgh

## Benefactors Circle

THE BENEFACTORS CIRCLE RECOGNIZES ANNUAL SUPPORT OF \$5000 OR MORE

**Nature’s Own**  
Peter Schlosser  
Richard P. Turco  
University of Maryland College Park

## President’s Circle

THE PRESIDENT’S CIRCLE RECOGNIZES ANNUAL SUPPORT OF \$1000–\$5000

James L. Burch  
Stephen J. Burges  
Mary Anne Carroll  
Katharine V. Cashman  
Robert Cowen  
Eric Davidson

James R. Ehleringer  
Hans Philipp Engler  
James Ernstmeyer  
Carol Finn  
Jennifer Ann Francis  
Stephen A. Fuselier  
Jonathon C. Goldman  
Timothy L. Grove  
Elizabeth F. Karplus  
Jill L. Karsten  
Louis J. Lanzerotti  
Christopher Lynnes  
Marcia K. McNutt  
John W. Meriwether  
Ralph Moberly  
Mark Moldwin  
Willard S. Moore  
James J. O’Brien  
John A. Orcutt  
Alan Robock  
Colin J. Seftor  
Harlan E. Spence  
Lisa Tauxe  
Scott W. Tyler  
Kenneth E. Washington  
Pat Wilde  
Xin Zhang

## Leadership Circle

THE LEADERSHIP CIRCLE RECOGNIZES ANNUAL SUPPORT OF \$500–\$999

Thomas P. Ackerman  
Susan K. Avery  
Charles R. Bacon  
John J. Bates  
Edgar A. Bering III

Rafael L. Bras  
Hugh J. A. Chivers  
Millard F. Coffin  
Martha H. Conklin  
Henry J. Dick  
Russell R. Dickerson  
Delia Donatelli  
John W. Farrington  
Rana A. Fine  
Raymond Goldstein  
Thomas E. Graedel  
Watson W. Gregg  
Robert T. Gregory  
Brooks Hanson  
Anna Szatai Haukness  
Mark E. Hernick  
Mary C. Hill  
George M. Hornberger  
Linda A. Hunt  
Robert B. Jackson  
Elizabeth A. E. Johnson  
Carol Kendall  
Jeffrey Lee  
Meemong Lee  
Margaret Leinen  
Dennis P. Lettenmaier  
Michael Warren Liemohn  
Michael R. Lilly  
Parker MacCready  
Guy Masters  
Jeff Masters  
Diane M. McKnight  
Michael J. McPhaden  
Stephen B. Mende  
Tsugunobu Nagai  
Donald K. Perovich  
William K. Peterson

Richard H. Picard  
Philip L. Pritchett  
Mohan K. Ramamurthy  
James Tremper Randerson  
Jose M. Rodriguez  
Richard B. Rood  
Roberta L. Rudnick  
Stephen Self  
Ronald T. Smith  
Soroosh Sorooshian  
David J. Stevenson  
Edward C. Stone  
David J. Thomson  
Charles J. Vorosmarty  
Rodney W. Whitaker  
Billy M. Williams  
Lisa M. Wingen  
Donald J. Wuebbles  
Chidong Zhang

### Prow Partners

THE PROW PARTNERS RECOGNIZE ANNUAL SUPPORT OF \$250–\$499

Michael F. Allen  
Mary P. Anderson  
Spiro K. Antiochos  
Richard L. Armstrong  
Rodey Batiza  
Stephen J. Bauer  
Harvey E. Belkin  
Joseph A. Berry  
Gabriel J. Bowen  
Allen Bradley  
Charles A. Brock  
William H. Brune  
Marc A. Carrasco  
Catherine Chauvel  
James A. Coakley Jr.  
Richard H. Cox  
Steven M. Day  
Andrew G. Detwiler  
Emma R. Dieter  
Paul Dirmeyer  
Jeff Dozier  
Claude E. Duchon  
Robert H. Eather  
Robert W. Embley  
William C. Feldman  
Lennard A. Fisk  
Marilyn L. Fogel  
Donald W. Forsyth  
Jeffrey Todd Freymueller  
Gerard J. Fryer  
James R. Fuller

William B. Gail  
Jeffrey S. Gee  
John W. Geissman  
Lawrence J. Giles  
John T. Gosling  
Hans Christian Graber  
Jennifer W. Harden  
Margaret Hellweg  
Amanda R. Hendrix  
Christopher Henry  
Larry D. Hothem  
Malcolm K. Hughes  
Dana Hurley  
Devrie S. Intriligator  
Eric Itsweire  
David R. Janecky  
Angela S. Jayko  
Miriam Kastner  
Peter B. Kelemen  
Timothy L. Killeen  
Max A. Kohler  
Laurie A. Leshin  
Alan Levander  
Edward L. Lever  
Robert C. Liebermann  
Kuo-Nan Liou  
Douglas R. MacAyeal  
William F. McDonough  
Christine McEntee  
Matthew G. McHarg  
Judith A. McKenzie  
Jason S. McLachlan  
Dean A. McManus  
Paul Morgan  
Akihiko Murata  
Kevin J. Noone  
Samuel J. Oltmans  
Elise Pendall  
Katerina E. Petronotis  
John Pitlick  
William H. Prescott  
Robert E. Reinke  
Roberta L. Rice  
Fred L. Roesler  
Virginia J. Rohay  
Gary E. Sanger  
A. Surjalal Sharma  
David J. Simons  
Elena B. Sparrow  
Howard J. Spero  
Juan Carlos Sulca  
Anne M. Thompson  
Michelle F. Thomsen  
Anahita Ani Tikku  
James W. Vallance

Mark Vaughan  
Raymond J. Walker  
Roy A. Walters  
Richard L. Walterscheid  
Peter John Webster  
Ray F. Weiss  
Robert A. Weller  
Owen W. Williams  
Yongkang Xue

### Supporters Circle

THE SUPPORTERS CIRCLE RECOGNIZES ANNUAL SUPPORT OF \$100–\$249

Robert F. Adler  
Duncan Carr Agnew  
Jay James Ague  
Tom Anthony Al  
M Joan Alexander  
John S. Allen Jr.  
Richard W. Allmendinger  
William R. Alschuler  
Douglas E. Alsdorf  
Robert C. Anderson  
John T. Andrews  
David Applegate  
Brian K. Arbic  
Ralph J. Archuleta  
David K. Arctur  
Kenneth Argyle  
Daniel Ariztegui  
Phillip A. Arkin  
Pranoti M. Asher  
Roni Avissar  
Michael R. Babcock  
Jean Marie Bahr  
Kate Hadley Baker  
Dennis D. Baldocchi  
Lawrence E. Band  
Subir K. Banerjee  
Karl Banse  
Holly R. Barnard  
Calvin G. Barnes  
Melanie Ames Weed Barnes  
Donald Barrick  
Ana Paula Barros  
Mary C. Barth  
Robert C. Bartman  
James C. Bathurst  
Michael L. Batzle  
Lance Benner  
Brian A. Bergamaschi  
Srinivas V. Bettadpur  
Pawan K. Bhartia

Douglas Alan Biesecker  
James K. B. Bishop  
Peter G. Black  
Richard J. Blakely  
Charles L. Blanchard  
Karine S. Blaufuss  
Geoffrey Blewitt  
Stephen C. Bloom  
Scott W. Bogue  
Geoffrey Bohling  
Nicholas A. Bond  
Lance F. Bosart  
Bernard P. Boudreau  
Julie Bowles  
Stephen H. Brecht  
Daniel W. Breed  
William Thomas Bridgman  
Mark Broich  
J. Renee Brooks  
Jesslyn F. Brown  
Michael Brown  
Otis B. Brown Jr.  
Wilfried H. Brutsaert  
Kirk Bryan  
Thomas F. Burck  
Benjamin C. Burke  
James D. Burke  
Peter R. Buseck  
James J. Butler Jr.  
James H. Butler  
Gary R. Byerly  
John O. D. Byrd  
Jane M. Caffrey  
Pierluigi Stefano Calanca  
John L. Callas  
Wendy M. Calvin  
Joseph A. Cancellare  
Suzanne M. Carbotte  
Barbara E. Carlson  
Peter D. Carragher  
Deborah J. Caskey  
Richard M. Chamberlin  
Piers Chapman  
Dale N. Chayes  
Ji Chen  
Jiann-Long Chen  
Margaret Chen  
Arthur C. H. Cheng  
Keith Aric Cherkauer  
Yoshimitsu Chikamoto  
Jonathan R. Childs  
Karen I. Christensen  
Eric R. Christian  
Michael A. Church  
Peter M. Clifton

Roger Clifton  
David W. Clow  
Guy R. Cochrane  
Robert S. Coe  
Vernon F. Cormier  
Ferdinand V. Coroniti  
Charles S. Cox  
Brian J. Coyle  
Richard Crook Jr.  
William B. Curry  
Erika F. Dade  
Paul H. Daggett  
Robert A. Dalrymple  
James B. Dalton III  
Timothy W. Darling  
Stewart R. Davey  
Anthony David  
Ralph K. Davis  
Randy L. Davis  
Eric Heinen De Carlo  
Karen Dean-Smith  
William K. Decker  
Margaret L. Delaney  
Peter B. deMenocal  
Lorinda A. Dengler  
Carlos A. Dengo  
Terry Deshler  
David P. Dethier  
Ravi S. Devulapalli  
David R. DeWalle  
Tammy L. Dickinson  
Michael S. Dinniman  
Raymond A. Donelick  
Andrea Donnellan  
Richard Donner  
Anne R. Douglass  
James A. Doutt  
Qingyun Duan  
Ali Durgunoglu  
William B. Durham  
Robert E. Ecke  
Margo Edwards  
Hajo Eicken  
Annmarie Eldering  
Linda T. Elkins-Tanton  
William L. Ellsworth  
John T. Emmert  
Louisa K. Emmons  
Cheryl Enderlein  
Sonia Esperanca  
Cynthia A. Evans  
David G. Evans  
Michael N. Evans  
Susanna M. R. Falsaperla  
Ying Fan

Christopher D. Farrar  
John M. Faustini  
Clinton D. Fawcett  
Annia K. Fayon  
Aileen Fell  
Anna A. Felton  
J. F. Fennell  
Chris Field  
Eric Firing  
Fabio Florindo  
Christopher Kenneth Folland  
Jeffrey M. Forbes  
Kevin F. Forbes  
John Fournelle  
Robert O. Fournier  
Timothy J. G. Francis  
James D. Fraser  
Andrew N. French  
James Frew  
David L. Freyberg  
Ann M. Fridlind  
James P. Friend  
Theodore A. Fritz  
Rong Fu  
Shing F. Fung  
Michael Gaffey  
Cynthia A. Gardner  
Zhen-Ming Ge  
Marvin Alan Geller  
Aris P. Georgakakos  
Terrence M. Gerlach  
Joe Giacalone  
Louis Giglio  
John C. Gille  
Matthew S. Gilmore  
Paul A. Ginoux  
Steven D. Glaser  
David J. Gochis  
David C. Goodrich  
Larry L. Gordley  
Donn S. Gorsline  
Donna Goss  
Diana G. Graham  
Edward S. Grew  
Nancy B. Grimm  
Sean P. S. Gulick  
Vijay K. Gupta  
Andrew J. Guswa  
James T. Gutmann  
Volker Haak  
Gerhard Haerendel  
Maura E. Hagan  
Stephen E. Haggerty  
Chuck Hakkarinen  
John K. Hall

Melinda M. Hall  
Gilmor S. Hamill  
Peter Hamilton  
Christy Hanson  
Mohamed M. Hantush  
Molly Hardman  
Kenneth W. Harrison  
Robert C. Harriss  
Stanley R. Hart  
William K. Hart  
Katherine Hedstrom  
Donald F. Heinrichs  
Paul Henkart  
Federico A. Herrero  
Thomas Herring  
Stephen H. Hickman  
Saswata Hier-Majumder  
Sean M. Higgins  
David P. Hill  
Ernest Hilsenrath  
Keith M. Hines  
Victoria Hipkin  
Murray W. Hitzman  
Albrecht W. Hofmann  
Charles P. Holmes  
Mary Anne Holmes  
William E. Holt  
Robert H. Holzworth II  
Leigh S. House  
Alan D. Howard  
Lin Huang  
William B. Hubbard  
Peter J. Hudleston  
Barry J. Huebert  
John R. Hummel  
Owen V. Hurd  
Deborah R. Hutchinson  
Linda M. Huzzey  
Ryoichi Imasu  
Miaki Ishii  
Emi Ito  
Richard M. Iverson  
Erik Roman Ivins  
Christiane Jablonowski  
Brian J. Jackel  
Clifford A. Jacobs  
Carl E. Jacobson  
Bor-Ming Jahn  
Linda L. Jahnke  
Mark Jellinek  
Catherine L. Johnson  
Lyle H. Johnson  
Joanna Joiner  
Jack R. Jokipii  
Ian R. Joughin

Linda A. Joyce  
Yang Ju  
Donna M. Jurdy  
Chuichi Kakuta  
Shun-ichiro Karato  
David M. Karl  
Garry D. Karner  
Akira Kasahara  
Hideaki Kawano  
Jack A. Kaye  
Amy M. Keesee  
G. Randy Keller Jr.  
Michael Maier Keller  
Louise H. Kellogg  
Douglas B. Kent  
Siri-Jodha S. Khalsa  
Krishan K. Khurana  
Toshiaki Kikuchi  
Thomas H. Kinder  
Teresa King  
Robert W. Kingdon  
Sepp Kipfstuhl  
Randolph L. Kirk  
Peter K. Kitanidis  
John Michael Klinck II  
Jack Kohler  
Tomoko Kojima  
Charles E. Kolb Jr.  
Vladimir G. Kossobokov  
Jozsef Kota  
David H. Krantz  
Frank Krause  
Robin Gayle Krause  
Andreas K. Kronenberg  
Klaus Krumsiek  
William S. Kurth  
Yochanan Kushnir  
Jerome Kutliroff  
James Wesley La Baugh  
Andrew A. Lacis  
Anthony Lambert  
Chester Lao  
Kristin A. Larson  
William K. M. Lau  
Dante S. Lauretta  
R. Michael Laurs  
Paul W. Layer  
Tamara S. Ledley  
Martin A. Lee  
Stephen Craig Lee  
Harvey I. Leifert  
Frank G. Lemoine  
Ray Leuning  
Naomi E. Levin

Hangsheng Lin  
 Mark Linton  
 Hilda Lopez  
 John N. Louie  
 Gang Lu  
 Charles Luce  
 Roland Carl Luetzelschwab  
 Janet G. Luhmann  
 Amanda H. Lynch  
 Robert L. Lysak  
 Chopo Ma  
 Kenneth Craig Macdonald  
 J. Douglas Macdougall  
 David Scott Mackay  
 Jon J. Major  
 Stephen A. Mango  
 Hal B. Maring  
 Kooiti Masuda  
 John D. Mathews  
 Jonathan C. Matti  
 Larry A. Mayer  
 Catherine A. McCammon  
 James M. McCarthy  
 Timothy P. McCrink  
 James McDonald  
 Kenneth R. McDonald  
 Sally A. McFarlane  
 John O. McGarity  
 Bruce J. McGurk  
 Carl E. McIlwain  
 Andrew McIntyre  
 Stuart A. McKeen  
 Stephen P. Meacham  
 Robert R. Meier  
 Andrew Meigs  
 John M. Melack  
 Valerie L. Meyers  
 Betsy J. Miller  
 Calvin F. Miller  
 Elizabeth L. Miller  
 Gretchen R. Miller  
 Lisa Ann Miller  
 Ron L. Miller  
 Daniel J. Milton  
 Shirley R. Mims  
 Jean-Bernard H. Minster  
 Karen Moe  
 Eberhard Moebius  
 Allen F. Moench  
 Stephen A. Montzka  
 Kurt R. Moore  
 Roger H. Morin  
 Sharon Mosher  
 Bruce M. Moskowitz  
 Roman J. Motyka

Edward C. Mozley  
 L. J. Patrick Muffler  
 Sujoy Mukhopadhyay  
 Richard J. Murnane  
 Fred Murphy  
 Christopher J. Murray  
 James W. Murray  
 Thomas L. Murray  
 Robert J. Musgrave  
 Louisa B. Nance  
 Craig S. Nelson  
 Eliza S. Nemser  
 Douglas S. Neuhauser  
 Fred C. Newman  
 Paul A. Newman  
 John Little Nieber  
 Bart Nijssen  
 Guust Nolet  
 Ann Lise Norman  
 Ana Nunes  
 Peggy A. O'Day  
 John A. Ogren  
 Yasushi Ohta  
 Eiji Ohtani  
 Tatsuaki Okada  
 Edward Alan O'Lenic  
 Patricia L. Olson  
 Tsuneo Ono  
 Masahiro Osako  
 Gregory B. Osterman  
 Bette L. Otto-Bliesner  
 Kazuhito Ozawa  
 Thomas H. Painter  
 Sorab M. Panday  
 Rajul E. Pandya  
 Claudio Paniconi  
 Dimitri A. Papanastassiou  
 Hongwoo Park  
 Daryl G. Parker  
 David D. Parrish  
 Michael J. Passow  
 Howard J. Patton  
 Sidra Pauly  
 Larry J. Paxton  
 Stanton J. Peale  
 Louise Pellerin  
 Lee J. Perren  
 Ann M. Persoon  
 H. Kenneth Peterson  
 Anatoli A. Petrukovich  
 Leonhard Pfister  
 Roger J. Phillips  
 Michael Piasecki  
 Roger V. Pierce  
 James Eugene Pizzuto

Lamont Rozelle Poole  
 Jonathan A. Powell  
 G. Michael Purdy  
 David M. Pyle  
 Richard C. Quittmeyer  
 Joachim Raeder  
 Navin Ramankutty  
 V. "Ram" Ramaswamy  
 Prabhat K. Rastogi  
 Dhananjay Ravat  
 Andrea J. Ray  
 Carol A. Raymond  
 John C. Raymond  
 Dana Rehm  
 Pedro J. Restrepo  
 Mike Rhodes  
 Randall M. Richardson  
 Brian A. Ridley  
 William Ian Ridley  
 Charles L. Rino  
 Susan Roberts  
 Alexander C. Robinson  
 Robert M. Robinson  
 Lars Petter Røed  
 Mark R. Rognstad  
 Richard D. Rosen  
 Gary J. Rottman  
 William Row  
 Thomas C. Royer  
 Eduardo Rubio-Alvarez  
 John D. Rummel  
 Sarah Runels  
 Ann D. Russell  
 Michael G. Ryan  
 Demian M. Saffer  
 Yaroslav Sakharov  
 Ross J. Salawitch  
 James C. Sample  
 Stanley P. Sander  
 Jeanne M. Sauber  
 Edwin A. Schauble  
 Jae-Kyung E. Schemm  
 David Schimel  
 Russell C. Schnell  
 Robert N. Schock  
 Christian Schoof  
 Timothy D. Schowalter  
 Klaus J. Schulz  
 Michael Schulz  
 Benjamin Schwartz  
 Stephen E. Schwartz  
 Stephen H. Scolnik  
 William E. Scott  
 Stephen D. Sebestyen  
 Giovanni Sella

William E. Seyfried Jr.  
 Chi Ho Sham  
 Warren D. Sharp  
 Anne F. Sheehan  
 Andy H. Shen  
 Tom Shoberg  
 Anna M. Shonk  
 Alexandra Shultz  
 Carver Stephen Simmons  
 Howard J. Singer  
 Michael J. Singer  
 Steven Slaff  
 Olav Slaymaker  
 Norman H. Sleep  
 Douglas Smith  
 John C. Smith  
 Martin L. Smith  
 Roger W. Smith  
 Sharon M. Smith  
 Joseph R. Smyth  
 John T. Snow  
 Adam H. Sobel  
 S Spampinato  
 Gary D. Spiers  
 LeeAnn Srogi  
 Raymond C. Staley  
 Robert F. Stallard  
 Emily H. Stanley  
 Hubert Staudigel  
 Andrew W. Stephan  
 L. R. Owen Storey  
 Karen Street  
 Kiyoshi Suyehiro  
 Donald A. Swanson  
 Zoltan B. Szuts  
 Asahiko Taira  
 Benoit Taisne  
 Peter Z. Takacs  
 Pieter P. Tans  
 Theodore D. Tarbell  
 Thomas W. Tesche  
 Stephen C. Thompson  
 William T. Thompson  
 Willard Thorn  
 Kristy French Tiampo  
 Christy B. Till  
 Robin T. Tokmakian  
 Akihiko Tomiya  
 Andrew J. Tomlinson  
 Mark H. Torrence  
 Kevin E. Trenberth  
 Martitia P. Tuttle  
 James A. Tyburczy  
 Allan J. Tylka  
 Geoffrey S. Tyndall

Michael Underwood  
 Susan Ustin  
 Cesar E. Valladares  
 Albert J. Valocchi  
 Tonie M. van Dam  
 Ben van der Pluijm  
 Thomas E. Van Zandt  
 Harsh Vardhan  
 Marco C. M. Velli  
 Cynthia Venn  
 Holger Voemel  
 Ronald Leo Vogel  
 Nathan R. Voorhies  
 Peter J. Vrolijk  
 Richard Wagener  
 Kaley A. Walker  
 Richard J. Walker  
 John Michael Wallace  
 Ian D. Walsh  
 Theresa M. Walsh  
 Erchie Wang  
 Libe Washburn  
 Tohru Watanabe  
 Michael M. Watkins  
 Wolfgang R. Wawersik  
 Clark J. Weaver  
 Craig S. Weaver  
 Susan Jane Webb  
 Thompson Webb III  
 Wilford F. Weeks  
 Johannes Weertman  
 Donald J. Weidner  
 Michael P. Weinreb  
 David W. Werth  
 Robert D. Westfall  
 Joseph D. White  
 Patricia Wiberg  
 Bradford Paul Wilcox  
 James G. Williams  
 Stanley N. Williams  
 Hugh E. Willoughby  
 Terry J. Wilson  
 Michael James Wiltberger  
 John W. Winchester  
 David M. Winker  
 Peter P. Wintersteiner  
 Warren J. Wiscombe  
 Lorraine W. Wolf  
 Richard Wolf  
 Eric F. Wood  
 John H. Woodhouse  
 Thomas N. Woods  
 Phoebe A. Woodworth-Jefcoats  
 Douglas R. Worsnop  
 Shigeru Yamaki

Thomas C. Yoksas  
 Ein-Fen Yu  
 Jiye Zeng  
 Shijie Zhong  
 Robert A. Zierenberg  
 Jens Zinke  
 Edward J. Zipser  
 Maria T. Zuber  
 Arthur I. Zygielbaum

### Supporting Life Members

ONE-TIME GIFT OF \$1,200 PLUS THE PAYMENT OF LIFETIME MEMBERSHIP  
 L. Thomas Aldrich\*\*  
 Clarence R. Allen  
 Roger R. Anderson  
 Roger C. Bales  
 Samuel J. Bame  
 Santimay Basu\*\*  
 Sunanda Basu  
 Hugo F. Bezdek  
 J. Bernard Blake  
 John D. Bossler  
 William F. Brace  
 Stephen J. Burges  
 Dixon M. Butler  
 Dale N. Chayes  
 Bernard Chovitz  
 Timothy A. Cohn  
 Catherine Constable  
 Steven Constable  
 Patricia A. Cooper  
 Robert Cowen  
 Robert E. Dickinson  
 William C. Graustein  
 William R. Hackett  
 David D. Jackson  
 Vania Jordanova  
 John A. Knauss  
 Amy Trueba Knudson  
 Robert L. Kovach  
 Paul R. Krehbiel  
 Arthur Lerner-Lam  
 Peter W. Lipman  
 David E. Lumley  
 George F. Murray  
 John O. Nolton  
 James J. O'Brien  
 Thomas Christopher Pagano  
 David Craig Pearson  
 Ronald G. Prinn  
 Geoffrey D. Reeves  
 Alan Robock  
 Peter Schlosser

Martin Schneebeli  
 Michael Schulz  
 F. Spilhaus Jr.  
 Yugoro Takenoshita  
 George A. Thompson  
 David J. Thomson  
 Thomas Torgersen  
 John W. Townsend  
 Susan Trumbore  
 Bruce Tsurutani  
 Richard P. Turco  
 James R. Wallis  
 Stephen G. Warren  
 Robert S. Weinbeck

### Sustainers' Circle

THE SUSTAINERS' CIRCLE RECOGNIZES THE EXTRAORDINARY SUPPORT AND LOYALTY OF BENEFACTORS WHO HAVE SUPPORTED AGU WITH GIFTS IN EACH OF THE PREVIOUS 10 CONSECUTIVE YEARS  
 Gary Acton  
 Robert F. Adler  
 Michael A. Alexander  
 M Joan Alexander  
 Frank R. Allen  
 John S. Allen Jr.  
 Robert C. Aller  
 Hiroshi Amakawa  
 Peter W. Anderton  
 Erwin Appel  
 Robert Cowen  
 Joerg Arndt  
 Charles R. Bacon  
 Richard H. Ball  
 Konrad Banaszak  
 Mary C. Barth  
 Sunanda Basu  
 Thomas L. Bell  
 Timothy Charles Benner  
 Carl S. Benson  
 Steven Lawrence Berg  
 Edgar A. Bering III  
 David T. Blewett  
 Stephen C. Bloom  
 Gregory Elton Bodeker  
 Scott W. Bogue  
 Frances M. Boler  
 Nicholas A. Bond  
 Nicholas G.K. Boyd III  
 Lawrence W. Braille  
 Adrian J. Brearley  
 Charles A. Brock

Laurie L. Brown  
 Michael Brown  
 Christoph Bruehl  
 Matthew J. Brunengo  
 Wilfried H. Brutsaert  
 Susanne J.H. Buitert  
 James L. Burch  
 Peter W. Burck  
 Stephen J. Burges  
 James D. Burke  
 James J. Butler Jr.  
 Gary R. Byerly  
 Jane M. Caffrey  
 Christopher P. Carlson  
 Deborah J. Caskey  
 Eric Paul Chael  
 Neil A. Chapman  
 Clement G. Chase  
 Richard L. Chase  
 Catherine Chauvel  
 Ji Chen  
 Arthur C.H. Cheng  
 Yoji Chikamori  
 Nikolas I. Christensen  
 Brent Euan Clothier  
 Robert S. Coe  
 Vernon F. Cormier  
 Francois H. Cornet  
 Ferdinand V. Coroniti  
 Anthea J. Coster  
 Brian Cousens  
 Robert Cowen  
 James H. Cullen  
 Paul H. Daggett  
 Fiona Ann Darbyshire  
 Timothy W. Darling  
 Victoria Ann Davis  
 Nicholas F. Davis  
 Ralph K. Davis  
 Simon John Day  
 Shanaka L. de Silva  
 Sharon Deemer  
 Mark J. Dekkers  
 Margaret L. Delaney  
 Marcus Dengler  
 Alexander J. Desbarats  
 Terry Deshler  
 Russell R. Dickerson  
 Emma R. Dieter  
 Michael S. Dinniman  
 Anne R. Douglass  
 Claude E. Duchon  
 Ali Durgunoglu  
 William B. Durham  
 James E. Dye

Richard C. Easter  
 Robert H. Eather  
 Hajo Eicken  
 Annmarie Eldering  
 James M. Ellis  
 Louisa K. Emmons  
 W. G. Ernst  
 Fred T. Erskine III  
 James E. Evans  
 Neville Exon  
 Bryan E. Fabbri  
 Susanna M.R. Falsaperla  
 John M. Faustini  
 Clinton D. Fawcett  
 William C. Feldman  
 Frank Fell  
 Eric Firing  
 Lennard A. Fisk  
 Christopher Kenneth Folland  
 John Fournelle  
 Jennifer Ann Francis  
 Timothy J.G. Francis  
 David L. Freyberg  
 Jeffrey Todd Freymueller  
 Jonathan S. Friedman  
 Gerard J. Fryer  
 Shing F. Fung  
 Michael Gaffey  
 John W. Geissman  
 Marvin Alan Geller  
 M. Charles Gilbert  
 Steven D. Glaser  
 Hans-Juergen Goetze  
 Raymond Goldstein  
 Howard Robert Gordon  
 Donna Goss  
 Thomas E. Graedel  
 Diana G. Graham  
 Marian E. Greenspan  
 Watson W. Gregg  
 Priscilla C. Grew  
 Edward S. Grew  
 Bryan Grigsby  
 Timothy L. Grove  
 Dieter K. Gutknecht  
 James T. Gutmann  
 David S. Gutzler  
 Volker Haak  
 Stephen W. Hager  
 Stephen E. Haggerty  
 Nobuo Hamada  
 Douglas C. Hamilton  
 Peter Hamilton  
 Philip D. Hammer  
 Douglas E. Hammond

Hideo Hanada  
 Aksel W. Hansen  
 Mohamed M. Hantush  
 Jennifer W. Harden  
 Robert C. Harriss  
 William K. Hart  
 Katherine Hedstrom  
 Hartmut Heinrich  
 Margaret Hellweg  
 Christopher Henry  
 Thomas Herring  
 Robert G. Hewitt  
 Saswata Hier-Majumder  
 Eric J. Hints  
 Katsumi Hirose  
 Eugene J. Hoffman  
 Albrecht W. Hofmann  
 Charles P. Holmes  
 Norio Honjo  
 Richard P. Hooper  
 Larry D. Hothem  
 Howard Houben  
 Leigh S. House  
 William B. Hubbard  
 Bruce A. Huber  
 Peter J. Hudleston  
 John R. Hummel  
 Linda A. Hunt  
 Steven J. Hunyady  
 Stephen D. Hurst  
 Hiroshi Ikenaga  
 Ryoichi Imasu  
 Devrie S. Intriligator  
 Kazuhiko Ishii  
 Howard Robert Ito  
 Erik Roman Ivins  
 Clifford A. Jacobs  
 Carl E. Jacobson  
 David R. Janecky  
 Mark Jellinek  
 Paul A. Johnson  
 Robert G. Johnson  
 David Geoffrey Johnson  
 Lyle H. Johnson  
 Mary L. Johnson  
 Torrence V. Johnson  
 Jack R. Jokipii  
 Ernest J. W. Jones  
 Ian R. Joughin  
 Linda A. Joyce  
 Donna M. Jurdy  
 Hideo Kagami  
 Chuichi Kakuta  
 Kazuhiko Kano  
 Jill L. Karsten

Miriam Kastner  
 Peter B. Kelemen  
 G. Randy Keller Jr.  
 Harvey M. Kelsey  
 Krishan K. Khurana  
 Shuichi Kodaira  
 Kenneth P. Kodama  
 Tetsuro Kondo  
 Shin Koshiya  
 Jozsef Kota  
 Robin Gayle Krause  
 Aart Kroon  
 Ichiro Kumagai  
 William S. Kurth  
 Detlef Kurth  
 Shuzo Kutsuna  
 Jessica R. Lacy  
 Anthony Lambert  
 Tai-Kwan Andy Lau  
 Tamara S. Ledley  
 Harvey I. Leifert  
 Maureen P. Leshendok  
 Robert C. Liebermann  
 Beth Z. Lincoln  
 Bruce A. Huber  
 Peter J. Hudleston  
 Robert P. Lowell  
 William Lowrie  
 Gang Lu  
 Ewald Lueschen  
 Roland Carl Luetzelschwab  
 Anne B. Lutz  
 Christopher Lynnes  
 Robert L. Lysak  
 Douglas R. MacAyeal  
 Parker MacCready  
 Robie W. Macdonald  
 J. Douglas Macdougall  
 Jon J. Major  
 Jaakko Makinen  
 Anthony J. Mannucci  
 Gianni Matteucci  
 Chris G. Mattinson  
 Martin R. Maxey  
 Robert Mayer Jr.  
 Francesco Mazzarini  
 Mary A. McCready  
 Judith A. McKenzie  
 Dean A. McManus  
 Robert R. Meier  
 Thomas Meixner  
 Richard A. Mewaldt  
 Marti L. Miller  
 James G. Mills Jr.  
 William G. Minarik

Jean-Bernard H. Minster  
 Evgeny V. Mishin  
 Nobuyoshi Miyajima  
 Peter Mock  
 Mark Moldwin  
 Paul Morgan  
 Toshitsugu Moroizumi  
 Bruce M. Moskowitz  
 Ellen Mosley-Thompson  
 Roman J. Motyka  
 Edward C. Mozley  
 Thomas J. Murphy  
 Christopher J. Murray  
 Tsugunobu Nagai  
 Yosio Nakamura  
 Louisa B. Nance  
 Fred C. Newman  
 David L. Newman  
 Sally Newman  
 Karl D. Newyear  
 John Little Nieber  
 Donald R. Nielsen  
 Yuji Nishi  
 Hajime Nishigaki  
 Richard C. Nolen-Hoeksema  
 Susan M. Nossal  
 Peggy A. O'Day  
 Eiji Ohtani  
 Takamoto Okudaira  
 John A. Orcutt  
 Masahiro Osako  
 Nikolai Ostgaard  
 Thomas Mark Over  
 Kristine L. Pankow  
 Dimitri A. Papanastassiou  
 Evans W. Paschal  
 Stanton J. Peale  
 Louise Pellerin  
 Michael R. Perfit  
 Katerina E. Petronotis  
 Irina V. Petropavlovskikh  
 Leonhard Pfister  
 Roger J. Phillips  
 Lamont Rozelle Poole  
 William H. Prescott  
 Philip L. Pritchett  
 Joseph M. Prospero  
 Thomas Ptak  
 Richard C. Quittmeyer  
 Robert C. Reedy  
 Hans J. Reichmann  
 Roberta L. Rice  
 Philip G. Richards  
 Ian G. Richardson  
 Randall M. Richardson

Randall Ricklefs  
 Brian A. Ridley  
 William Ian Ridley  
 Kelvin S. Rodolfo  
 Juan V. Rodriguez  
 Elizabeth Roemer  
 Ernst-Peter Roeth  
 Richard D. Rosen  
 Philip W. Rosenkranz  
 Frank Roth  
 Gary J. Rottman  
 Phillip F. Ruan  
 Roberta L. Rudnick  
 Charles M. Rush  
 Patrick J. C. Ryall  
 Vincent J. M. Salters  
 Gary E. Sanger  
 Peter Schlosser  
 Larry J. Schmidt  
 Bernd Schreckenberger  
 Steven R. Schroeder  
 Michael Schulz  
 Gary R. Scott  
 Colin J. Seftor  
 Xuan-Min Shao  
 Donald E. Shemansky  
 Bunichiro Shibazaki  
 Takuo Shibutani  
 Hironao Shinjoe  
 James T. Shiroma  
 Gary Brian Sidder  
 Meta E. Sienkiewicz  
 David J. Simons  
 Robert W. Simpson  
 Michael J. Singer  
 John M. Sinton  
 Edward C. Sittler Jr.  
 Norman H. Sleep  
 Mark Andrew Smiley  
 Roger W. Smith  
 Arnold L. Snyder  
 Henrik Soiland  
 S. Spampinato  
 Elena B. Sparrow  
 Harlan E. Spence  
 Howard J. Spero

Raymond C. Staley  
 Robert F. Stallard  
 Emily H. Stanley  
 Peter John Statham  
 Matthias Steiner  
 Robert J. Stening  
 Harry L. Stern III  
 David J. Stevenson  
 Anders Stigebrandt  
 David B. Stone  
 L. R. Owen Storey  
 Heinz G. Stosch  
 Naoki Suda  
 Kiyoshi Suyehiro  
 Erick M. Swenson  
 Alan Swenson  
 Takao Tabei  
 Akio Tada  
 Torao Tanaka  
 Michael J. Taylor  
 John Robert Taylor  
 David J. Thomson  
 Robin T. Tokmakian  
 Luigi Torelli  
 Richard P. Turco  
 James A. Tyburczy  
 Allan J. Tylka  
 Michael Underwood  
 William L. Unger  
 Albert J. Valocchi  
 John F. Vesecky  
 Ronald Leo Vogel  
 Friedhelm von Blanckenburg  
 Peter J. Vrolijk  
 Alexander Wagini  
 Richard I. Walcott  
 Raymond J. Walker  
 Richard J. Walker  
 Terry Charles Wallace Jr.  
 Yang Wang  
 Joachim M. Wassermann  
 Thompson Webb III  
 Wilford F. Weeks  
 Kathleen Ann Welch  
 Reinhard Werner  
 Robert D. Westfall

William M. White  
 Alan G. Whittington  
 Patricia Wiberg  
 Pat Wilde  
 Juergen Willebrand  
 Hugh E. Willoughby  
 Michael James Wiltberger  
 Richard Wirth  
 Warren J. Wiscombe  
 Eric F. Wood  
 Connie A. Woodhouse  
 Thomas N. Woods  
 Yongkang Xue  
 Satoshi Yagitani  
 Toshiro Yamanaka  
 Makoto Yamano  
 Song Yang  
 Jiye Zeng  
 Chidong Zhang  
 Yuanchong Zhang

### Tribute Gifts

TRIBUTE GIFTS CELEBRATE AND REMEMBER FAMILY AND FRIENDS WHILE SUPPORTING THE FUTURE OF THE EARTH AND SPACE SCIENCES

Alexander F. Anderson  
 Orson L. Anderson  
 Natalia Andronova  
 Charles Bacon  
 Mary Batteen  
 Laura J. Behrendt  
 Raghunath Prasad Bhartia  
 William Braffman  
 Frances Brown  
 Kalen Brown  
 Eion Cameron  
 Tony Dahlen  
 Mark James Davis  
 Grady Deese Jr.  
 Edmond M. Dewan  
 E. A. Flinn  
 Tomasa Mortel Garcia  
 OJ Hayles  
 Craig Hoefs

David Hofmann  
 Janet Hong  
 Richard E. Honrath  
 Arthur Hou  
 Kenneth Hubbard  
 Gerry Iturrin  
 Rajagopal Jagannathan  
 Luiza Karner  
 Volodya Keilis-Borok  
 Steve Klosko  
 Ephraim B. Leon-Guerrero  
 Gregory Leptoukh  
 John J. Mahoney  
 Robert A. Matthews  
 Robert McCarthy  
 Diego Melgar  
 Rosalind B. Mendell  
 David S. Miller  
 Charles B. Moore  
 Marcel Nicolet  
 James J. O'Brien  
 Breda O'Hanlon  
 Aleja Ortiz  
 Meg Paxton  
 James N. Pitts Jr.  
 Nikta Poormohammadi  
 Rob Raskins  
 Aaron Resnikoff  
 Bob Riecker  
 Ibrahim El Sadek  
 Oliver Schaeffer  
 Friedrich Schott  
 Eugene Shoemaker  
 Paul G. Silver  
 Diane Smith  
 J. Dungan Smith  
 Juan Sulca  
 John E. Szatai  
 Kensaku Tamaki  
 George Robert Tilton  
 Sean Twomey  
 Visvesvaraya National Institute of Technology Nagpur  
 Alfred Wegener  
 Roy Wilkens  
 K. C. Yeh

# 2014 Student Breakfast

The Student Breakfast is an opportunity for AGU student members attending the fall meeting to interact with their peers, potential employers, and AGU leaders. The breakfast has taken place for several years and is one of the favorite Fall Meeting activities of many student members.

The 2014 breakfast was a huge success with over 400 people in attendance. AGU leaders and a representative from ExxonMobil, the exclusive sponsor of this event for the past 6 years, made opening welcoming remarks. During the breakfast, students and leaders of AGU are seated at tables that are organized by scientific discipline, making this more than just a social gathering, but also an opportunity to share their science on a personal level.

AGU would like to acknowledge ExxonMobil for their continued generous support which affords AGU the opportunity to continue this event on an annual basis.



Catherine McCammon and friends at the 2014 Student Breakfast

# Amazon Web Services and Big Data

Amazon Web Services became an organizational partner of AGU in 2014 as part of a two-year agreement. In 2014 the financial support from Amazon Web Services allowed AGU to offer numerous research grants for AGU members. In addition, during the 2014 AGU Fall Meeting, AGU hosted an Amazon Web Services Hack-A-Thon that took place in San Francisco the Sunday before the Fall Meeting.

AWS research grants provide the recipients with credits to use the Amazon cloud computing resources that allow scientists to focus on science, not the undifferentiated heavy lifting of building and maintaining computer infrastructure. Amazon Web Service representatives were on-site in the Fall Meeting expo hall discussing the benefits of Amazon's cloud computing resources and talking with scientists about their AWS research grant applications which were awarded throughout the Fall Meeting.

AGU would like to acknowledge and thank Amazon Web Services for their generous support.



UNAVCO's Dave Mencin at the 2014 AGU Fall Meeting

# 2014 Sponsors

AGU is an international organization representing more than 62,000 Earth and space scientists in more than 140 countries.

The research conducted by our members encompasses everything from the exploration of natural hazards, disasters, and natural resources to the exploration of the planets, to studies of the structure and chemical composition of the Earth's deep interior and oceans, to understanding the Earth's atmosphere and the causes of climate change. These topics are not only scientifically exciting but also highly relevant to society, industry, and public policy.

AGU works with sponsors to help generate funds to support the varied AGU programs that support our different strategic objectives.

AGU thanks all of our 2014 sponsors for their financial support!

- 2G Enterprises
- American Geosciences Institute



- ARCUS
- Ball Aerospace
- Boeing



- Center for Planetary Exploration
- Chapman University



- ClC
- Eco Tech



- FM Global
- Geometrics
- Google
- IOP Publishing



- Leonard Rice Engineers



- Los Alamos National Laboratory
- Mineralogical Society of America
- Nanometrics
- Nature Climate Change



- Society of Exploration Geophysicists
- Smart Sparrow



- The IRIS Consortium



# 2014 Volunteers

AGU sincerely thanks all of the 2014 volunteers for their hard work and dedication, without which the organization's success would not be possible. The following list recognizes elected and appointed volunteers who have led AGU through their service.

## Board of Directors/ Executive Committee

*\* indicates member  
of Executive Committee*

Carol Finn, President\*  
Margaret Leinen, President-Elect\*  
Michael McPhaden, Past President\*  
Lisa Tauxe, General Secretary\*  
Susan Webb, International Secretary\*  
Christine McEntee,  
Executive Director/CEO\*  
John Bates  
Rafael Bras  
Mary Anne Carroll  
Catherine Constable  
Rana Fine  
Susan Joy Hassol  
Seth Kahan  
Christy Till  
Mary Voytek  
Kenneth E. Washington

## Council/ Council Leadership Team

*\* indicates member  
of Council Leadership Team*

Margaret Leinen, Chair\*  
William Anderson  
Robin Elizabeth Bell\*  
Gregory Beroza  
Geoffrey Blewitt  
Catherine Chauvel  
Timothy Cohn  
Ashton Robinson Cook  
Eric Davidson  
James Davis  
Frederick Day-Lewis  
Andrea Donnellan  
Timothy H. Dixon  
Joseph Dwyer  
Linda T. Elkins-Tanton  
Carol Finn  
Karen M. Fischer

Marilyn Fogel  
Efi Foufoula-Georgiou\*  
Rong Fu  
Richard Gordon\*  
Robert van der Hilst  
Greg Hirth  
William Hooke  
Alan Howard  
Malcolm K. Hughes  
Andrew Jackson  
Kelly Klima  
James Klimchuk\*  
Upmanu Lall  
William Lau  
Kerstin Lehnert  
Cathryn A. Manduca  
Catherine A. McCammon  
Christine McEntee\*  
Judith McKenzie  
William B. McKinnon  
Richard J. Murnane\*  
James Murray  
Melanie Okoro  
Thomas H. Painter  
Mark Panning  
Jonathan Patz  
Michael Piasecki  
James Pizzuto  
Allen Pope\*  
Jenny Riker  
Daniel Schertzer  
Xuan-Min Shao  
David G. Sibeck  
Philip Skemer  
Sabine Stanley  
Peter Swart  
Lynne D. Talley  
Christy Till\*  
Georgios Tsofilias  
Heather C. Watson  
Anthony Watts  
Peter J. Webster  
Maarten De Wit  
Eric F. Wood

## Affiliation and Engagement Task Force

Bob Detrick, Chair  
Eleanor Darlington  
Susan Eriksson  
Jen Harden  
Tissa Illangasekare  
Betsy Johnson  
Seth Kahan  
Cathy Manduca  
Erika Marin-Spiotta  
Catherine McCammon  
Geoffrey Plumlee  
Allen Pope  
Jenny Riker  
John Rundle  
David Sibeck  
Sabine Stanley  
Kristin Timm  
Carol Finn, ex officio  
Margaret Leinen, ex officio  
Christine McEntee, ex officio

## Audit Committee

Lisa Tauxe, Chair  
Elizabeth Johnson  
Jacob Haqq-Misra  
John Orcutt  
Mary Voytek  
R. Stephen Sparks

## Chapman Conference Committee

Venkataraman Lakshmi, Chair

## Congressional Science Fellow Task Force

Dave Applegate  
Jana Davis  
James Evans

Jack Fellows  
Rebecca French  
Mark Little  
Kelly Kryc  
Jeff Payne  
Maggie Walser

## Data Accessibility and Preservation Position Statement Panel

Ruth Duerr  
Ted Habermann  
Martin Heimann  
Thomas Hoffman  
Kerstin Lehnert  
Robert McGuire  
Gerald Meehl  
Antonio Moura  
Mark Parsons  
Dan Satterfield  
Christy Till  
Ray Walker

## Ethics Committee

Tim Grove, Chair

## Fall Meeting Program Committee

Kathy Hibbard, Chair  
Melody Avery  
Don Baker  
Timothy Bartholomaeus  
Barbara Bekins  
Vickie Bennett  
Jennifer Biddle  
Nathan Bridges  
Xavier Comas  
Catherine Cooper  
Claire Currie  
Petra Dekens  
Yi Deng

Sarah Penniston Dorland  
Joseph Dwyer  
Noah Finnegan  
Steven Fletcher  
Shin-Chan Han  
Jörn Helbert  
Deborah Hutchinson  
Jamie Kirkpatrick  
Dalia Back Kirschbaum  
Tamara Ledley  
Kerstin Lehnert  
Sabine Lennartz-Sassinek  
Yajing Liu  
Steve Lloyd  
Charles Luce  
Stephen Macko  
Figen Mekik  
Sebastien Merkel  
Robyn Millan  
Laurent Montesi  
Athanasios Nenes  
Bart Nijssen  
Ali Omar  
Kirsten Orwig  
Larry Paxton  
Adina Paytan  
Michael Piasecki  
Michael Purucker  
Ian Richardson  
Adrian Rocha  
Denis-Didier Rousseau  
Linda Rowan  
Matthew Schmidt  
Anat Shahar  
Ramesh Singh  
Katie Skalak  
Carl Tape  
Victor Tsai  
Scott Werts  
Andrew Wilcox  
Adam Winstral  
Wenlu Zhu

## Fall Meeting Chair Selection Committee

Jim Davis, Chair  
Catherine Constable  
Brian Gunter  
Melanie Harrison  
Kathy Hibbard  
Erika Marin-Spiotta  
Louise Pellerin  
Jenny Riker  
Eric Wood

## Fellows Program Review Task Force

Rana Fine, Chair  
Kelly Caylor  
Nancy Crooker  
Eric Davidson  
Cynthia Ebinger  
Achim Herrmann  
Mary Anne Holmes  
George Hornberger  
Qingtian Lu  
Anthony Lui  
John Orcutt  
Carle Pieters, ex officio  
Carol Raymond  
Rosalind Rickaby  
Alan Robock  
Dominique Weis  
Donald Wuebbles

## Governance Committee

Michael McPhaden, Chair  
Benjamin Dewayne Branch  
Julie Brigham-Grette  
Mary Anne Carroll  
Jaime Urrutia Fucugauchi  
Harry Green  
Abby Kavner

## History of Geophysics Task Force

Kris Harper, Chair  
Deepthi Achuthavarier  
Ed Cliver  
Ron Doel  
John Farrington  
Jim Fleming  
John Fournelle  
Chris Harrison  
Homer LeGrand  
David Stern  
Patrick Taylor  
Urban Wrakburg

## Honors & Recognition Committee

Judith McKenzie, Chair  
Achim Herrmann  
Mary Anne Holmes  
Mary Hudson  
Prasanta Kalita

Samuel Mukasa  
Carle Pieters  
Angela Wagener

## Investment Committee

Lisa Tauxe, Chair  
Carol Finn  
Margaret Leinen  
Christine McEntee  
Michael McPhaden  
Susan Webb

## Journal and Eos Editors

Joel Baker  
Dennis Baldocchi  
Michael Balikhin  
David Baratoux  
Eric Desmond Barton  
Lisa Beal  
Thorsten Becker  
Janne Blichert-Toft  
Gunter Bloschl  
Guy Brousseau  
Ximing Cai  
Eric Calais  
Paul Cannon  
M. Bayani Cardenas  
Mary-Elena Carr  
Christopher Charles  
Kim Cobb  
Christina M. S. Cohen  
James Crawford  
Meghan Cronin  
Alexander Densmore  
Louis Derry  
Noah Diffenbaugh  
Andrew Dombard  
Andrea Donnellan  
Michael Ellis  
Claudio Faccenna  
Fabio Florindo  
José D. Fuentes  
John Geissman  
Barbara Giles  
Steven Ghan  
Wendy S. Gordon  
David Halpern  
Michael Hapgood  
Thomas Herbers  
Bryn Hubbard  
Tatiana Ilyina  
Jonathan H. Jiang  
Larry Kepko

Delores Knipp  
Wolfgang Knorr  
Ulrike Langematz  
Louis Lanzerotti  
Benoit Lavraud  
Cin-Ty Lee  
Ruby Leung  
Joshua Li  
Zhanqing Li  
Michael Liemohn  
D. Scott Mackay  
Sara Mikaloff Fletcher  
Anna Michalak  
Mark Moldwin  
Alberto Montanari  
S. Bradley Moran  
Andrew Newman  
Nathan Niemi  
Richard Norgaard  
Robert Nowack  
Leo Oey  
Greg Okin  
John Orcutt  
Heiko Pälike  
Tom Parsons  
William Peterson  
Benoit Pirenne  
Andrey Proshutinsky  
David Randall  
Harihar Rajaram  
Andre Revil  
Alan Robock  
Alan Rodger  
Eelco Rohling  
Lynn Russell  
Graham Sander  
Howard Singer  
Alejandro Souza  
Carol A. Stein  
Allison Steiner  
Julienne Stroeve  
Peter Strutton  
Fabio Florindo  
Susan Trumbore  
Geoffrey Tyndall  
Ben van der Pluijm  
Frank Vernon  
Michael Walter  
Chunzai Wang  
Yuming Wang  
Mark Wieczorek  
Paul Williams  
Michael Wyession  
Chidong Zhang

## Meetings Committee

James Davis, Chair  
David Kliman  
Venkataraman Lakshmi  
Qingtian Lu  
Louise Pellerin  
Denis-Didier Rousseau  
Erika Marin-Spiotta  
Peter Swart  
Susan C. Weiler  
Amanda White

## Meeting of the Americas Program Committee

Jaime Urrutia Fucugauchi, Co-Chair  
Peter Swart, Co-Chair  
Marcelo Assumpcao  
Xochitl Blanco-Cano  
Gerardo Carrasco  
Cristiano M. Chiessi  
Ligia Perez Cruz  
Efi Foufoula-Georgiou  
Avto Gogichaishvili  
Claudia Gogorza  
Alik Ismail-Zadeh  
Luis Eduardo Lenzano  
Valerio Lucarini  
José A. Marengo  
Blanca Mendoza  
Teresa Nieves-Chinchilla  
Abdel Sifeddine  
Joann Stock  
Ricardo Trindade  
Federico Graef Ziehl

## Natural Hazards Position Statement Panel

Eddie Bernard  
Jeff Freymueller  
Greg Holland  
Alik Ismail-Zadeh  
Lucile Jones  
Kelly Klima  
Upmanu Lall  
Kristin Ludwig  
Roger Pulwarty  
Brian Tucker  
Lesley Wyborn

## Position Statement Task Force

Caitlin Augustin  
Jeremy Caves  
Jana Davis  
James Evans  
Rebecca French  
Mark McCaffrey  
Randall Richardson  
Linda Rowan  
Daniel Sinnett  
Anastasia Yanchilina

## Publications Committee

Robert van der Hilst, Chair  
Richard J. Blakely  
Gail Clement  
Jiwen Fan  
Alex Frost  
Judith Lean  
Sara Mikaloff-Fletcher  
Mark Moldwin  
Michael Noga  
John Selker  
Anne Thompson

## Science Policy Conference Task Force

Kristen Avery  
Floyd DesChamps  
Genene Fisher  
Kelly Klima  
Jerry Miller  
Julian Reyes

## Scientific Trends Task Force

Christy Till, Chair  
Robin Bell  
Greg Beroza  
Nathan Bridges  
Catherine Chauvel  
Eric Davidson  
Maarten de Wit  
Andrea Donnellan  
Rong Fu  
Kelly Klima  
James Klimchuk  
William Lau

Kersten Lehnert  
William McKinnon  
Jim Murray  
Mark Panning  
Jonathan Patz  
George Tsoflias  
Tony Watts  
Eric Wood

## Thriving Earth Exchange Advisory Board

Laurie Leshin, Chair  
Anne Nolin, Vice-Chair  
Lauren Alexander Augustine  
Jessica Ball  
John Bwarie  
Emily Cobabe-Ammann  
Carol Finn, ex officio  
Seth Kahan  
Ryan Kelly  
Michael Kleeman  
Margaret Leinen, ex officio  
Christine McEntee, ex officio  
Kevin Noone  
Allen Pope  
Kenneth E. Washington  
Peter Webster  
Kristina Peterson  
Susan Jasko  
Patricia Romero-Lankao

## Union Honors Program Committees

### Bowie Medal Committee

Susan Solomon, Chair  
Yun-Tai Chen  
Cynthia J. Ebinger  
Hope Jahren  
Judith T. Karpen  
Dennis P. Lettenmaier

### Bucher Medal Committee

Mark D. Zoback, Chair  
Pamela C. Burnley  
Heather M. Savage  
Joann M. Stock  
Stuart Ross Taylor

## Climate Communication Prize Committee

Anne Walden Nolin, Chair  
Susan Joy Hassol  
Sybil Seitzinger  
Gavin A. Schmidt  
Thomas F. Stocker  
Roy Young

## Cowen Award Committee

Susan Elizabeth Hough, Chair  
J. Kelly Beatty  
Carolyn Gramling  
Ligia L. Perez-Cruz  
Jeff Taylor

## Education Award Committee

Adelaide C. Johnson, Chair  
Joseph B. H. Baker  
Kaiem Frink  
Patricia Manley  
Carlos A. Sierra  
Martha Wawro

## Ewing Medal Committee

Miriam Kastner, Chair  
Harry L. Bryden  
Richard Hewston  
David M. Karl  
Cindy Lee  
Kenneth Craig Macdonald  
Joseph Pedlosky

## Falkenberg Award

Mark A. Parsons, Chair  
Jay Gulledge  
Karen Moe  
Stefano Nativi  
Lesley A. Wyborn

## Fleming Medal Committee

Bruce Tsurutani, Chair  
Julie Bowles  
Michael D. Fuller  
Monika C. Korte  
Janet G. Luhmann  
Michelle F. Thomsen

## Flinn Award Committee

Robert B. Gagosian, Chair  
Robert C. Liebermann  
Linda C. Gundersen  
Professor Hitoshi Kawakatsu  
Heather Michelle Nicholson Wright

## Hess Medal Committee

David Walker, Chair  
Francoise I. Boudier  
Michael Brown  
Nicolas Dauphas  
Vicki Hansen

## Horton Medal Committee

Murugesu Sivapalan, Chair  
Ana Paula Barros  
Keith Beven  
Kelly K. Caylor  
Qingyun Duan  
Wendy D. Graham  
Elliot D. Grunewald  
Kamini Singha

## International Award Committee

Tereza Cavazos, Chair  
Noel R. Aloysius  
Natalia Gomez Perez  
Fumihiko Imamura  
Alik Ismail-Zadeh  
LaToya Myles  
Zuyin Pu

## Lehmann Medal Committee

Richard J. O'Connell, Chair  
Lars N. Hansen  
Wendy R. Panero  
Lianxing Wen  
Kathryn A. Whaler

## Macelwane Medal Committee

Amy Clement, Chair  
Elizabeth W. Boyer  
Graziella Caprarelli  
Silvia Lucia Garzoli

Shaul Hurwitz  
David Khoza  
James Tremper Randerson  
Benjamin P. Weiss

## Perlman Award Committee

Kim Fulton-Bennett, Chair  
Erika Engelhaupt  
Bas den Hond  
Mayra I. Oyola  
Jeffrey B. Roth

## Revelle Medal Committee

Susan Trumbore, Chair  
Guy P. Brasseur  
Patrick M. Crill  
Steven R. Emerson  
William J. Shuttleworth

## Science for Solutions Award Committee

Nancy Rabalais, Chair  
Jessica L. Ball  
Peter Schlosser  
Martin Visbeck

## Smith Award Committee

P. Patrick Leahy, Chair  
Michelle Hall  
Tara LaForce  
Jing Ming  
Tammo S Steenhuis

## Spilhaus Award Committee

Mary K. Miller, Chair  
Elizabeth Cottrell  
John R. Delaney  
William C. Patzert  
Elizabeth Romanaux  
Alexandra Wright

## Sullivan Award Committee

Michael A. Mischna, Chair  
Kevin Krajick  
Katy G. Human  
Elisabeth S. Nadin  
Alexandra Witze

## Union Fellows Committee

Carle M. Pieters, Chair  
Janne Blichert-Toft  
Tanja Bosak  
James Frederick Drake  
Henry Elderfield  
John W. Geissman  
Jan W. Hopmans  
Dietmar Müller  
W. Richard Peltier  
Ana Christina Ravelo  
Eric S. Saltzman  
Kenji Satake  
Sharon L. Smith

## Whitten Medal Committee

Kristine M. Larson, Chair  
Anny A. Cazenave  
Kathleen C. Compton  
William C. Hammond  
Carol A. Raymond  
Shimon Wdowinski

## Section/Focus Group Officers

Richard M. Allen  
William Anderson  
Natasha G. Andronova  
Melody A. Avery  
Don R. Baker  
Robin ElizabethBell  
Vickie C. Bennett  
Gregory Beroza  
Geoffrey Blewitt  
Nathan Bridges  
Alin-Andrei Carsteanu  
Catherine Chauvel  
Timothy Cohn  
Eric A. Davidson  
Frederick Day-Lewis  
Timothy H. Dixon  
Andrea Donnellan  
Ruth Duerr  
Joseph R. Dwyer  
Linda T. Elkins-Tanton  
Daniel Roy Faulkner  
Noah J. Finnegan  
Karen M. Fischer  
Marilyn Fogel  
Efi Foufoula-Georgiou  
Rong Fu

Richard G. Gordon  
Greg Hirth  
Terri S. Hogue  
William Hooke  
Alan Howard  
Malcolm K. Hughes  
Deborah R. Hutchinson  
Andrew Jackson  
James Klimchuk  
Upmanu Lall  
Timothy J. Lang  
William K. M. Lau  
Kerstin Lehnert  
Ning Lin  
Catherine A. McCammon  
William B. McKinnon  
Allen K. McNamara  
Robyn M. Millan  
Stephen M. Moyses  
Robin D. Muench  
Margaret R. Mulholland  
Richard J. Murnane  
James W. Murray  
Athanasios Nenes  
Thomas H. Painter  
Mark Panning  
Larry J. Paxton  
Adina Paytan  
Michael Piasecki  
James Pizzuto  
Michael E. Purucker  
Ian G. Richardson  
Linda R. Rowan  
Melody J. Sandells  
Daniel Schertzer  
Matthew W. Schmidt  
Durelle Scott  
Giovanni Sella  
Xuan-Min Shao  
David G. Sibeck  
Philip Skemer  
Sabine Stanley  
Peter Swart  
Lynne D. Talley  
Andrea Tommasi  
Georgios Tsoflias  
Nadine Unger  
Heather C. Watson  
Anthony Watts  
Peter J. Webster  
Eric F. Wood



2000 Florida Avenue N.W.  
Washington, D.C. 20009-1277 USA  
Phone: +1 202 462 6900  
[www.agu.org](http://www.agu.org)

