



MEETING ASSISTANCE PROGRAM

The Geochemical Society's Meeting Assistance Program provides support for symposia or conferences that are related to geochemistry. All Geochemical Society (GS) members are eligible to apply. Sponsorships provide \$2,500 and the society may award up to four per year. The GS Program Committee reviews applications twice a year; the next deadline is 30 September 2019. For more information, visit: tinyurl.com/GeoChemMAP.

FIND THE GS AT GSA THIS SEPTEMBER

The GS is participating in the annual meeting of the Geological Society of America (GSA) this September. If you are attending the GSA conference in Phoenix (Arizona, USA), then visit us at booth 604 in the exhibit hall. We also invite you to take part in the Mineralogy, Geochemistry, Petrology, & Volcanology Division of the GSA–Mineralogical Society of America–Geochemical Society Joint Reception on Tuesday, 24 September from 5:45 PM. to 7:30 PM. You can purchase tickets (\$5 for students, \$10 for professionals) for this event when registering for the meeting.

NOMINATE A COLLEAGUE FOR A GEOCHEMICAL SOCIETY AWARD OR SPECIAL LECTURE

Each year, the GS seeks to celebrate and share outstanding achievements in geochemistry through our awards and special lecture program. The society's awards, named after some of the pioneers in the field, provide a moment to reflect on great accomplishments and serve to inspire future trailblazers. To do this, we need your help in recognizing the innovative scientists who are making major contributions to the field.

Anyone (with the exception of those involved in the award selection process) may submit a nomination. This includes early career, as well as more senior, scientists. Considerable progress has been made regarding the diversity of nominees in recent years, but more progress is still needed. The cultural richness represented by GS members from 70 countries should also be reflected in the awards that we grant for scientific achievement. This is important not only in the interest of equity but also to ensure that all the young scientists who participate in the society and attend Goldschmidt conferences recognize their potential future selves in the persons being honored.

Please consider submitting a nomination by the 31 October 2019 deadline. Information on how to submit an award nomination can be found at the GS's website: www.geochemsoc.org/honors.

The Society Is Accepting Nominations Through October 31 for the Following Awards:



The **V. M. Goldschmidt Award** is the society's highest honor. This award is presented for major achievements in geochemistry or cosmochemistry, consisting of either a single outstanding contribution or a series of publications that have had great influence on the field. It is named after Victor M. Goldschmidt (1888–1947) whose classification of the elements in the Earth and meteorites and pioneering work on crystal chemistry laid the basis of modern geochemistry.



The **C. C. Patterson Award** recognizes an innovative breakthrough of fundamental significance in environmental geochemistry, particularly in the service of society, consisting of either a single outstanding contribution or a short series of papers published within the last decade. Clair

C. Patterson (1922–1995) developed the uranium–lead dating method. Using lead and uranium isotopic data from the Canyon Diablo meteorite, he calculated the first accurate and precise age for the Earth.



The **F. W. Clarke Award** recognizes an early career scientist for a single outstanding contribution to geochemistry or cosmochemistry, published either as a single paper or as a series of papers on a single topic. To be eligible, a candidate must have received a recognized doctorate or its equivalent within six years or must be younger than 35 as of 1 January 2020. Frank Wigglesworth Clarke (1847–1931) was a chemist who determined the composition of the Earth's crust.



The **Alfred Treibs Award**, presented by the Geochemical Society's Organic Geochemistry Division, is given for major achievements, over a period of years, in organic geochemistry. The legacy of Alfred Treibs (1899–1983) consists of his classic papers on porphyrins, which provided the starting point of organic geochemistry.

The **John M. Hayes Award**, created in 2017, is given by the Geochemical Society's Organic Geochemistry Division to a mid-career scientist for outstanding accomplishments that draw together multiple fields of investigation to advance biogeochemical science. The awardee will be selected based on innovative research which lies at an intersection between isotope geochemistry, organic geochemistry, microbial ecology, biogeochemistry, astrobiology or analytical innovation. John Michael Hayes (1940–2017) was an American organic geochemist who made fundamental breakthroughs in carbon isotope geochemistry.

Joint GS–EAG Geochemistry Fellows. In 1996, the Geochemical Society and the European Association of Geochemistry established the honorary title of Geochemistry Fellow, to be bestowed upon outstanding scientists who have, over some years, made a major contribution to the field of geochemistry. Ten new Fellows are selected each year. All recipients of the Goldschmidt, Patterson, and Treibs Awards will also receive this title.

The Society is Accepting Nominations for the Following Special Lectures, To Be Presented At Goldschmidt2020 in Honolulu (Hawaii, USA) in June 2020

Lecture nomination packages are relatively short, requiring only information about the nominee and one support letter. A single nominator can easily assemble a package (award nominations require an additional three letters of support). The lectures are featured prominently at Goldschmidt and are a great way to share a colleague's exciting work with attendees.

The **Robert Berner Lecture**, a joint program of the Geochemical Society and the European Association of Geochemistry, is given annually by a mid-career scientist. The lecture is on a "Berner subject", which includes a wide range of topics associated with elemental cycling at the Earth's surface (i.e., molecular to planetary scale, modern to ancient oceanic and terrestrial systems, evolution of the biosphere).

The **Endowed Biogeochemistry Lecture** recognizes a prominent scientist who is making cutting-edge field-based measurements or laboratory measurements on field samples in the area of biogeochemistry.

The **F. Earl Ingerson Lecture** honors the Geochemical Society's first president. Nominations are accepted on any topic within geochemistry that would have a broad appeal to Goldschmidt attendees.



Association of Applied Geochemists

www.appliedgeochemists.org

NEW CAPACITY-BUILDING GRANTS



The GS is launching a new program to support initiatives aimed at promoting networking, educational activities, analytical training or capacity building related to geochemistry in countries with low and lower-middle-income economies. Grants up to \$2,500 will be awarded later this year. Apply by 30 September 2019.

tinyurl.com/geochemistry-grants

MESSAGE FROM THE PRESIDENT, STEPHEN COOK



Stephen Cook

As I write this message in late April, spring is in the air in the northern hemisphere, and geochemists and geologists are preparing once again for summer field work. I have several items to mention before our members depart for their exploration and research programs.

In my previous message, I touched on the importance of educating the next generation of applied geochemists in light of the aging demographics of our profession. As part of our ongoing commitment to geochemical education and continued learning, the Association of Applied Geochemists (AAG) is pleased to have been a sponsor of two recent scientific meetings and seminars in the southern hemisphere. First, the AAG was a co-sponsor of the Mineral Systems of the Pacific Rim (PACRIM) 2019 congress in Auckland (New Zealand), which was held 3–5 April 2019. More specifically, the AAG sponsored an exploration geochemistry session (April 3), as well as a day-long exploration geochemistry workshop at the PACRIM conference. The association supported the travel of three members – Juan Carlos Ordóñez-Calderón (Hudbay Minerals, Canada), Steve Piercey (Memorial University of Newfoundland, Canada) and Dennis Arne (Telemark Geosciences, Australia) – to Auckland to give keynote presentations on exploration geochemistry, chair sessions or run the geochemistry workshop. The workshop was entitled Exploration Geochemistry: Applying Fundamentals in the Field, and was presented by David Cohen (University of New South Wales, Australia), Dennis Arne and Steve Piercey. There was a mixture of presentations and exercises for the 20 delegates in attendance. After the main conference, Juan Carlos Ordóñez-Calderón contributed to a short course on machine learning and data analytics.

Second, the AAG sponsored the recent Australian Institute of Geoscientists (AIG) applied mineralogy in exploration seminar in Perth, Western Australia on April 9. This day-long seminar was part of a wider three-day exploration geochemistry workshop and seminar session and was the second seminar in the Exploration Geochemistry Series hosted by the Western Australia branch of the AIG. It was organized by Helen Waldron (Xenocryst Geoscience Consulting) and focused on the use of mineral methods in exploration, including spectral techniques, automated mineralogy, scanning electron microscopy, portable X-ray fluorescence and indicator mineral methods. A total of 72 people attended, representing a broad spectrum of the Australian exploration community.

Looking ahead, I encourage all applied geochemists to mark their 2020 calendars for next year's 29th International Applied Geochemistry Symposium (IAGS) in Viña del Mar (Chile) in November 2020, which we will co-sponsor with the Geological Society of Chile (SGCH). The IAGS is the flagship conference of our association and is the only scientific meeting devoted to the advancement of applied geochemistry in both mineral exploration and environmental studies. Meeting chair Brian Townley (University of Chile) is putting together a comprehensive program of talks, workshops and field trips for a geologically spectacular part of the world. The website should be up and the first circular available for distribution sometime in May. The 29th IAGS in Chile will be the latest in a long series of such applied geochemistry symposia, the abstracts for which are all now available in pdf form on the AAG website.

This is an appropriate point to say a few words about the work of our regional councilors. They play an important role in promoting the advancement of geochemistry throughout the world, as well as relaying news and the concerns of geochemists in those regions back

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