



American Geophysical Union
AGU Planetary Sciences Section
Newsletter: July 2015

Message from the Section President:

Dear Planetary Friends –

First of all, New Horizons at Pluto! We are all hypothesizing about the markings on Pluto's surface, and more will be known by the time this newsletter comes out. I hope you have all seen the nice pieces about the grown children of Clyde Tombaugh, Pluto discoverer, waiting for their father's planet to be visited.

Many congratulations to Alfred McEwen for winning the 2015 Whipple Award, the highest award given in the Planetary Science section. Further congratulations go to Ian Garrick-Bethell, Ronald Greeley Early Career Award in Planetary Science, and we are looking forward to a brilliant Sagan Lecture from John Asher Johnson, and a tour-de-force Shoemaker Lecture from Bill Bottke.

Last month, the instruments for NASA's planned mission to Europa were announced. Many congratulations go to Joseph Westlake (JPL), Carol Raymond (JPL), Diana Blaney (JPL), Elizabeth Turtle (APL), Donald Blankenship (UT Austin), Philip Christensen (ASU), Jack Waite (SwRI), Kurt Retherford (SwRI), and Sascha Kempf (U Colorado). We await further plans and a launch date!

Don't forget to [submit your abstracts](#) for AGU Fall Meeting in San Francisco—the deadline is 5 August. This year, AGU is further supporting section events, so tickets to our Planetary Reception and business meeting on Tuesday night will be less expensive. We are offering the maximum number of tickets allowed for the venue, but we sell out every year, so purchase early!

All my best –

Lindy Elkins-Tanton
AGU Section President, Planetary Sciences

AGU Fall Meeting News

Planetary Science has 38 topical sessions and 8 sessions cosponsored with other sections now open for abstract submission. We hope you will join us! See the full list of sessions [here](#). The abstract submission deadline is Wednesday, 6 August, 11:59 p.m. EDT. You must be a current member to submit a Fall Meeting abstract. Join or renew now [online](#).

Want to attend Fall Meeting for FREE? Submit your abstract by 29 July and you could win complimentary registration for the 2015 Fall Meeting. Learn more here: <http://fallmeeting.agu.org/2015/submit-early-win-big-rules-and-guidelines/>. Abstracts must be submitted by Wednesday, 29 July, 11:59 p.m. EDT to be entered for the chance to win FREE registration!

We will also hold our Planetary Science section reception and a NASA Town Hall meeting with HQ representatives. Details on these events will be released later.

Volunteers needed: The Planetary Science section needs volunteers to judge student papers at the AGU Fall Meeting for the Outstanding Student Paper Award (OSPA) Program. Contact [Sarah Stewart](#) if you are interested in helping with this very important activity.

It is a distinct pleasure and an honor to announce the 2015 Planetary Science Section Awards and Lecture recipients. We thank all of you for giving these recognitions to well-deserving colleagues. I hope you'll have the chance to congratulate them and hear their lectures at the AGU Fall Meeting.

Whipple Award and Lecture: Alfred McEwen, University of Arizona

Ronald Greeley Early Career Award in Planetary Science: Ian Garrick-Bethell, University of California, Santa Cruz

Sagan Lecture: John Asher Johnson, Harvard University

Shoemaker Lecture: William Bottke, Southwest Research Institute

Student Travel Grants and Scholarships; Outstanding Paper Awards

Students may submit their abstracts for consideration for the Outstanding Student Paper Award. These are considered within the abstracts submitted to planetary science section.

Student Travel Grants are available for a limited number of students and young scientists planning to attend the 2015 Fall Meeting. The application deadline is **12 August 2015, 11:59 P.M. EDT**, and recipients will be announced 2 September 2015. Apply at <http://fallmeeting.agu.org/2015/students/student-travel-grants-scholarships/>. Of particular interest to those in planetary science are:

General Student Travel Grant: All students may apply, but preference will be given to students from races, countries, and genders that are underrepresented in the sciences.

Lloyd V. Berkner Travel Fellowship: This fellowship is available for early-career scientists and students under 35 years of age who are residents of countries designated by the World Bank as "low" or "lower-middle" income per capita.

Dr. Edmond M. Dewan Young Scientist Scholarship: Graduate students studying topics related to atmospheric sciences and space physics can receive a \$1,000 scholarship.

Students may also submit their abstracts for consideration for the Outstanding Student Paper Award. These are considered within the abstracts submitted to Planetary Science section.

Union-wide opportunities:

1. Share Your Science at Exploration Station

[Exploration Station](#) is an annual AGU event that takes place at the Fall Meeting. It provides a venue where the local community and AGU members can come together to share the excitement of science. The event is an open house for San Francisco families, teachers, and kids (as well as Fall Meeting attendees and their families) to learn about the exciting work currently occurring in the fields of Earth and space science. During the event, participants have a chance to meet scientists, do hands-on science, and take home fun resources collected during their visit.

If you're interested in presenting at Exploration Station, please read our [FAQ](#) and email [Bethany Adamec](#) to register. The registration deadline is 21 August. All costs for the event other than shipping and handling of materials are covered by AGU.

2. Apply to Present at the Geophysical Information for Teachers Workshop

AGU is currently seeking scientist/education and outreach professional teams to present at the Geophysical Information for Teachers (GIFT) workshop, an annual event at Fall Meeting. The successful event allows K–12 science educators to hear about the latest geoscience research from the scientists making the discoveries, explore new classroom resources for their students, and visit exhibits and technical sessions of the AGU meeting for free. New this year: each team of presenters will receive one free full-week registration to the AGU Fall Meeting, to be used by a member of the presenting team. [Learn more](#) and [apply](#); the deadline is 5 August.

We have begun planning for an exciting new AGU international collaboration opportunity through a joint-meeting partnership agreement with the Japan Geoscience Union (JpGU). Both organizations have agreed to sponsor joint sessions at the JpGU Meeting 2016 (22-26 May 2016; Makuhari, Chiba) and at the 2016 AGU Fall Meeting, followed by the first-ever joint meeting between AGU and JpGU in spring of 2017. We see this collaboration as a great opportunity for AGU members, and especially as an opportunity for our early-career scientists to participate more globally.

Session proposals in Space and Planetary Sciences for the 2016 joint sessions will be solicited this fall, so look for that announcement. The joint sessions should be of interest to a broader international audience. Conveners for 2016 joint sessions will likely be asked to also convene sessions for the 2017

Joint Meeting in Japan.

Stanton J. Peale (1937-2015)

Stanton J. Peale passed away on 14 May 2015 in Santa Barbara from complications of leukemia. He was 78. Stan was surrounded by family and friends prior to and during his passing. He was a kind and brilliant planetary scientist with expertise in dynamics and geophysics. His career spanned over five decades. After earning his Ph.D. at Cornell University in 1965, he took a faculty position at the University of California, Los Angeles, and then at the University of California, Santa Barbara, where he worked from 1968 until 2015. His most recent work was submitted for publication on 11 May 2015. His contributions include the prediction of widespread volcanism on Jupiter's moon Io, the derivation of a general theoretical framework that governs the rotational states of bodies subject to tides, the study of tidal evolution in satellite systems, and the development of an ingenious procedure to determine the size and state of Mercury's core. He was also a pioneer in the study of extrasolar planets, in terms of both their dynamics and their detection by microlensing. Stan's work illustrated the power of physics to probe the interiors of planets. Stan was awarded the Newcomb Cleveland Prize (1979), the James Craig Watson Medal (1982), and the Brouwer Award (1992). He was elected to the National Academy of Sciences in 2009. He was a wonderful, beloved colleague and will be deeply missed.

The Planetary Photogrammetry Guest Facility at the Astrogeology Science Center of the U.S. Geological Survey would like to announce its Call for Participation for a training opportunity on 27-29 July 2015. This training will cover photogrammetric processing of planetary stereo imagery using ISIS and SOCET SET® software developed by BAE Systems. The training is free to participants, and will cover end-to-end, hands-on photogrammetric procedures for surface extraction (i.e., digital elevation model generation) from Mars Reconnaissance Orbiter HiRISE image pairs.

If you are interested in participating in this opportunity, please send an email to Dr. Robin Ferguson with the following specific information:

- Your name and title
- Affiliation
- Address, phone number, and email address
- Brief statement describing your interest in the training

Please note that seating for this session is limited to 12 individuals, so please express your interest as soon as possible. Once the class is full, we will maintain a wait-list in case there are cancellations, and to notify interested individuals of future training opportunities.