

<http://meteoriticalsociety.org>

## 2013 ANNUAL MEETING REPORT

The 76<sup>th</sup> annual meeting of the Meteoritical Society was held in Edmonton, Canada, from July 29 to August 2, 2013, at the Chateau Lacombe Hotel and was hosted by the University of Alberta and MacEwan University. The Program Committee used the 366 abstracts submitted to create an exciting program, including new reports on Chelyabinsk and NWA 7034 (and paired) meteorites. Oral presentations were accommodated in two parallel sessions through to Friday afternoon, with poster sessions on Tuesday and Thursday evenings. The meeting was attended by 324 people from around the world, including 239 society members and nonmembers, 60 students, and 25 guests.



Perfect weather for the banquet evening

Thirty-eight students and two professionals from low-income countries were awarded travel funds totaling ~\$49,000, primarily through the support of the Barringer Crater Company, NASA Cosmochemistry, and the Meteoritical Society Endowment Fund. Four of the students were undergraduates from Canadian universities outside of Edmonton; their attendance was enabled by bursaries from the Royal Astronomical Society of Canada (RASC), Edmonton Centre.

The scientific program covered a wide range of topics, including chondrites and their components, textures, and models of formation; differentiated meteorites, lunar meteorites, and Martian meteorites; stable and radiogenic isotope constraints on Solar System formation and evolution; organic matter; shock processes recorded in Earth and planetary samples; secondary processes in asteroid parent bodies; meteorite exposure history, physical properties, and dynamical origins; and developments in analytical techniques for meteorite analysis. Special sessions included the topics of Chelyabinsk (fireball and associated meteorites), impact cratering, and advanced curation of current and future extraterrestrial samples. Everything was kept running smoothly by the ~25 volunteers (an interesting mix of university students and RASC members) and their coordinator, Dr. Amy Riches.

The Barringer Invitational Lecture was presented by Professor Peter Brown (University of Western Ontario) on the topic "Fireballs Producing Meteorites: From Tagish Lake to Chelyabinsk." The lecture was the perfect mixture of good science and general interest, and was very well received by ~400 meeting attendees and members of the public.

A limited-engagement meteorite exhibit was arranged in conjunction with the meeting and was held in the Gallery at Enterprise Square at the University of Alberta's downtown campus. The exhibit featured five specimens of Chelyabinsk (on loan from Russia thanks to Marina Ivanova) and a special selection of meteorites from the University of Alberta Meteorite Collection, including Tagish Lake, Bruderheim, Peace



Transport to the crater site required all-terrain vehicles with good drivers, as shown above.

PHOTO COURTESY OF BRIAN MOORE

Field trip participants standing along the inside wall of the Whitecourt Crater.

PHOTO COURTESY OF MURRAY PAULSON

River, Innisfree, and Vilna. The exhibit was open during the poster sessions, which were held in the same galleries. Over 600 members of the public viewed the exhibit over 5 days.

On Wednesday afternoon, participants explored the local area, with trips to the Fort Edmonton historic park, Elk Island National Park, and the Ukrainian Cultural Heritage Village; they also visited the cryogenic meteorite curation facility and ion probe lab on the University of Alberta campus. The banquet was held on the patio of the Centennial Centre for Interdisciplinary Science building at the University of Alberta, with the highlight being the fantastic weather, typical of an Edmonton summer evening.

## Conference Field Trips

The preconference field trip to the K-T boundary layer in southern Alberta and the Royal Tyrrell Museum in Drumheller was a success thanks to leaders Roland Deschesne and Garren Dugan. Following the meeting, Chris Herd led a one-day trip to the Whitecourt Crater, with lots of help from the kind folks of Woodlands County and the town of Whitecourt. Several meteorites were found and lots of fun was had riding all-terrain vehicles. The trip concluded at the local casino, where the food was so good that even Christian Koeberl commented on it.

## 2013 SOCIETY AWARD WINNERS

The Society gives four major awards each year. For more information on individual awards, please see the Society web page.



The LEONARD MEDAL, which is the Society's highest and oldest award, is given to individuals who have made outstanding original contributions to the science of meteoritics or closely allied fields. It is named for Frederick C. Leonard, who was a founder and the first president of the Society. The 2013 winner of the Leonard Medal is **Ahmed El Goresy** of the University of Bayreuth, Germany, for his many contributions to improving our understanding of the mineralogy and petrology of meteorites and shocked rocks. The citation for this award was given by Catherine Caillet.

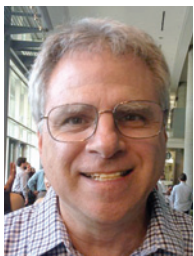


The BARRINGER MEDAL AND AWARD, sponsored by the Barringer Crater Company, were created in memory of D. Moreau Barringer Sr. and his son D. Moreau Barringer Jr. The award is given for outstanding work in the field of impact cratering. This year, the Barringer Award is given to **Walter Alvarez** of the University of California, Berkeley, USA, for his pivotal role in the discovery that the global K–Pg layer was produced by a large meteorite impact and for linking this impact

to the K–Pg mass extinction. The citation for this award was given by Christian Koeberl.



The NIER PRIZE recognizes young scientists in the field of meteoritics. This year's winner is **Audrey Bouvier** of the University of Western Ontario, Canada. Audrey receives her award for her significant contributions toward understanding the isotopic compositions of Solar System materials and the time-scales of their formation. The citation for Audrey's award was given by Meenakshi Wadhwa.



The METEORITICAL SOCIETY SERVICE AWARD is given this year to **Jeffrey Grossman** of NASA headquarters in Washington, DC, USA. Jeff receives this award for his outstanding contributions to the Meteoritical Society, to the Nomenclature Committee, and to the *Meteoritical Bulletin* in organizing and archiving meteorite nomenclature and classification and in database development and management. The citation for this award was given by Michael Weisberg.



The GORDON MCKAY AWARD for the best oral presentation by a student at the annual meeting of the Meteoritical Society is given to **Nicole Lunning** of the University of Tennessee, USA, for her talk at the 76<sup>th</sup> annual meeting in Edmonton entitled "Heterogeneity in the Vestan Regolith: Evidence from the GRO 95 HED Pairing Group." The award comes with a prize of US\$1000 and a certificate.



WILEY-BLACKWELL AWARDS worth US\$500 each and provided by Wiley-Blackwell, publishers of *Meteoritics and Planetary Science*, were given for outstanding presentations at the annual meeting in Edmonton. The four winners (LEFT TO RIGHT) were **Jinping Hu** (Arizona State University) for his talk entitled "Shock Metamorphism in L Chondrites Above Shock Stage S6," **Christine Jilly** (University of Hawai'i) for her talk, "In situ Radiometric Dating of Aqueously Formed Carbonates in Sutter's Mill," **Agata Krzesinska** (Polish Academy of Sciences) for her talk, "Multiple Impact Deformation of the Pultusk H-Chondrite," and **Niel Williams** (University of Manchester) for his talk, "Absolute and Mass-Dependent Titanium Isotope Compositions of Solar System Materials."

## RENEW YOUR MEMBERSHIP NOW!

Please renew your membership by March 31, 2014; after that date, a \$15 late fee will be assessed. You can renew online at <http://metsoc.meteoriticalsociety.net>.

## CALL FOR AWARD NOMINATIONS

**Please consider nominating a colleague for one of the Society's awards. Nominations should be sent to Secretary Greg Herzog ([metsocsec@gmail.com](mailto:metsocsec@gmail.com)) by January 15 (January 31 for the Service Award and the Pellas-Ryder Award). For more information and details on how to submit a nomination for any of these awards, please see the latest Newsletter on the Society website or e-mail the secretary.**

The Society gives a number of awards each year. The **Leonard Medal** honors outstanding contributions to the science of meteoritics and closely allied fields. The **Barringer Medal and Award** recognize outstanding work in the field of impact cratering and/or work that has led to a better understanding of impact phenomena. The **Nier Prize** recognizes outstanding research in meteoritics and closely allied fields by young scientists (under 35). The **Service Award** honors members who have advanced the goals of the Meteoritical Society to promote research and education in meteoritics and planetary science in ways other than by conducting scientific research. The **Paul Pellas-Graham Ryder Award** is given for the best student paper in planetary science and is awarded jointly by the Meteoritical Society and the Planetary Geology Division of the Geological Society of America.

## BARRINGER FUND

The Barringer Crater Company (owners of The Barringer Meteorite Crater, also known as Meteor Crater) has established a special grants program to support field work by eligible students interested in the study of impact cratering processes. The Barringer Family Fund for Meteorite Impact Research will provide a small number (5–8) of competitive grants in the range of US\$3000–\$5000 for support of field research at known or suspected impact sites worldwide. Grant funds may be used to assist with travel and subsistence costs, as well as laboratory and computer analysis of research samples and findings. Master's doctoral, and postdoctoral students enrolled in formal university programs are eligible. Applications to the Fund are due by 4 April 2014, with notification of grant awards by 6 June 2014. Additional details about the Fund and the application process can be found at [www.lpi.usra.edu/science/kring/Awards/Barringer\\_Fund](http://www.lpi.usra.edu/science/kring/Awards/Barringer_Fund).

## ANNUAL MEETING SCHEDULE

- 2014, September 8–12, Casablanca, Morocco; [www.metsoc2014casablanca.org](http://www.metsoc2014casablanca.org)
- 2015, July 27–31, Berkeley, California, USA
- 2016, August 7–12, Berlin, Germany
- 2017, Dates to be announced, Albuquerque or Santa Fe, New Mexico, USA