



<http://meteoriticalsociety.org>

2015 ANNUAL MEETING REPORT

The 78th Annual Meeting of the Meteoritical Society was held in Berkeley (California, USA) 26–31 July 2015 at the University of California, Berkeley (UCB) campus. In total, 395 abstracts were submitted for 271 oral and 124 poster presentations. A program committee assigned 218 oral presentations that were accommodated in two parallel sessions from Monday (27 July) morning through Friday afternoon, and 167 poster presentations that were on display the entire week in the Hearst Memorial Mining Building.

There were 389 registered participants, including 237 members, 40 nonmembers, 66 student members, 17 nonmember students, 21 guests, and 8 complimentary participants. Thirty-nine students, and 7 postdoctoral researchers and senior researchers were selected for travel awards totaling ~\$55,400 through generous support of the Barringer Crater Company, NASA, Japan Aerospace Exploration Agency (JAXA), National Institute for Polar Research (NIPR, Japan) International Meteorite Collectors Association (IMCA), Planetary Studies Foundation (PSF), and the Meteoritical Society Endowment Fund.

The scientific program covered 18 topics featuring the following: processes and evolution of Solar System materials, including interplanetary dust particles, chondrites, achondrites, asteroids, and Mars; chronology, mineralogy, and chemical compositions of those materials; and impact cratering. There were two special sessions, one dedicated to Ian Hutcheon, “Early Solar System chronology,” and the other to Joe Goldstein, “Iron and stony-iron meteorites: composition, isotopes, shock, ages.”

The program included three workshops, “Results from NASA’s Stardust Mission” (65 participants, 24–25 July), “The first 1 Ga of impact records: evidence from lunar samples and meteorites” (42 participants, 25–26 July), and “Seeking input to the Mars 2020 landing site selection from the sample community” (lunch time, 28 July).

The meeting started with an opening ceremony on Sunday evening, July 26, followed by a welcome reception. The Barringer Invitational Lecture “Searching for habitable planets and intelligent life in the universe” was given by Geoff Marcy, Professor of Astronomy at University of California, Berkeley, on the evening of Monday, 27 July.

Award presentations and the award talks by Leonard medalist Jeffrey Cuzzi and Barringer award recipient Natalia Artemieva were given on Wednesday morning.

On Wednesday afternoon, 50 participants went to AT&T Park to enjoy a major-league baseball game between San Francisco Giants and Milwaukee Brewers. One-hundred-and-ten people took a San Francisco city tour, including cable car rides, 75 participants took mini-lab tours at Lawrence Berkeley National Laboratory (LBNL) and Space Sciences Laboratory (SSL), while 12 participants displayed their soccer skills next to Memorial Stadium until they got “kicked off” by the girls lacrosse team. The annual banquet was held at Campanile Esplanade, in the center of the UC Berkeley campus from 7 pm on Wednesday (29 July). Guests enjoyed a four-course dinner with 5 different wines and some of them stayed until midnight.

Guests enjoyed a bus trip to Muir Woods National Monument on Monday and a ferry ride to Sausalito on Thursday.

For this meeting, a “Green” program of eight pages was provided to participants instead of the traditional 83-page full program. The abstract volume, full program, and some E-posters are available online at <http://www.hou.usra.edu/meetings/metsoc2015/>. The MetSoc2015 meeting website is still open at <http://metsoc2015.ssl.berkeley.edu>.

The meeting was sponsored by the Barringer Crater Company, NASA, JAXA/Institute of Space and Astronautical Science, NIPR/Japan Pole Research Association, SSL-UCB, Universities Space Research Association’s Lunar and Planetary Institute (USRA-LPI), Agilent Technologies, CAMECA, Lockheed Martin Space System Company, National Electrostatics Corporation, TESCAN, an anonymous meteorite dealer, International Meteorite Collectors Association, John Wiley & Sons, Planetary Studies Foundation and the Meteoritical Society.

The postconference “field trip” was a one-day excursion to Napa Valley, led by Professor Ken Verosub of UC Davis on Saturday, 1 August. Thirty-seven participants tasted five single-vineyard Pinot Noirs from five different locations followed by paella lunch at Ancient Wines. After tasting five varieties of wines at Chateau Montelena, they enjoyed a vineyard tour and wine tasting at the world famous Opus One vineyards.



Thanks to an alcoholic beverage permit from the university’s police department, over 550 bottles of 13 different California wines and 600 bottles of California beers were provided at social events on the Berkeley campus during the meeting. Members of the local organizing committee served wine and beer at the welcome, poster, and farewell receptions and received a total of \$302 in “tips” that were donated to the Meteoritical Society Endowment Fund.

CALL FOR AWARD NOMINATIONS

Please consider nominating a colleague for one of the society’s awards. Nominations should be sent to Secretary Michael Weisberg (metsocsec@gmail.com) by 15 January (31 January for the Pellas–Ryder Award and the Service Award). For more information and details on how to submit a nomination for any of these awards, please see the latest newsletter at the society’s website or e-mail the secretary.

ANNUAL MEETING SCHEDULE

- 2016 August 7–12, Berlin (Germany)
- 2017 Last week of July, Santa Fe (New Mexico, USA)
- 2018 Dates TBD, Moscow (Russia)
- 2019 Dates TBD, Sapporo (Japan)

SOCIETY AWARD WINNERS

The society gives four major awards each year. For more information on individual awards see the Call for Nominations and the Meteoritical Society's webpage.



LEONARD MEDAL. This is the society's highest and oldest award, and 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 first president of the society. The 2014 winner is **Jeffrey Cuzzi**, for his fundamental contributions to the theory of particle movements in the solar nebula. With his calculations for particle growth and coagulation he attempts to bridge the gap between meteorite research and astrophysical modeling. The citation was given by Steve Desch.



BARRINGER MEDAL AND AWARD. These are sponsored by the Barringer Crater Company and 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 **Natalia Artemieva** (Planetary Sciences Institute, Tucson, Arizona, USA) for her fundamental contributions to the understanding of dynamic impact cratering physics and chemistry. The citation was given by Kai Wünnemann.



SERVICE AWARD. **Ralph Harvey** is the winner of this year's Meteoritical Society Service Award. Ralph receives this award for his indispensable service to the community as the leader of the Antarctic Search for Meteorites (ANSMET) Program. The citation was given by Kevin Righter.



NIER PRIZE. This year's winner of the Nier Prize for young scientists in the field of meteoritics is **Pierre Beck**. Pierre receives this award for his significant contributions to the mineralogy and geochemistry of extraterrestrial materials and spectroscopic studies of the surfaces of planetary bodies in the Solar System. The citation was given by Frederic Moynier.



GORDON MCKAY AWARD. This award, which is given for the best oral presentation by a student at the annual meeting of the Meteoritical Society, is awarded to **Carolyn Crow** of the University of California, Los Angeles (USA) for her talk at the 78th Annual Meeting in Berkeley entitled "U-Xe degassing ages of terrestrial and lunar impact zircons." The award comes with a prize of (USD)\$1,000 and a certificate.

WILEY-BLACKWELL AWARDS. Wiley-Blackwell, publishers of *Meteoritics and Planetary Science*, sponsored four awards of (USD) \$500 for outstanding presentations by students at the 78th Annual Meeting of the Meteoritical Society in Berkeley. The winners were **Lucy Forman** (Curtin University, Perth, Australia) for her presentation, "Recovering the primordial impact history of chondrites in unprecedented



Lucy Forman



Levke Kööp



My Riebe



Michelle S. Thompson

detail using massive EBSD datasets"; **Levke Kööp** (University of Chicago, USA) for her presentation, "²⁶Al depletions in anomalous and solar PLAC-like CAIs suggest high degrees of processing in the early solar nebula"; **My Riebe** (ETH, Zürich, Switzerland) for her presentation, "A regolith origin of 'pre-irradiation' of Murchison chondrules"; and **Michelle S. Thompson** (University of Arizona, USA) for the presentation, "Simulation of micrometeorite impacts through in situ dynamic heating of lunar soils."

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