



## Supplement to *Meteoritics & Planetary Science*, vol. 47, no. 12

The Meteoritical Society Newsletter

(December 2012)

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*A report of the business carried out by the society over the past year, edited by Greg Herzog, Secretary.*

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### Important reminders

Please renew membership before Dec. 15 as the society has to pay the cost of mailing late reminders. Members renewing after March 31 incur a \$15 surcharge and risk missing issues of *MAPS*.

You can renew online at  
<http://metsoc.meteoritalsociety.net>.

Nominate your colleagues and students for awards! Deadlines are in January. See the Awards section for details.

Proposals to host the 2017 MetSoc meeting are due in March. Contact the secretary for procedures.

## FROM THE PRESIDENT

It has been a great pleasure for me to serve as president of the Meteoritical Society for the last two years and to work with so many extraordinarily enthusiastic and able people. I would like to thank all the officers, members of council, editors, and the many committee members who have worked hard to strengthen and improve our society, its publications, and its meetings. I especially thank our secretary Greg Herzog and treasurer Rhian Jones who have contributed so much of their time and considerable skills to enhancing the success of the society's endeavors and making it operate with great efficiency.

We had much to celebrate at our 75<sup>th</sup> Annual Meeting in Cairns. Our field continues to expand and generate excitement with new results from missions to asteroids, planets, and comets, sample returns from asteroids, extraordinary numbers of new samples of rare and exciting meteorites from hot and cold deserts, and the discovery of numerous planetary systems which promise to transform the field of planetary

sciences. It was my great pleasure to present the society's awards for 2012: the Leonard Medal to Don Burnett, the Barringer Medal to Jan Smit, and the Nier Prize to Frederic Moynier. The Service Award and a life membership in the society were awarded to Ursula Marvin, who was not able to travel to Cairns. Society members were rewarded by entertaining and highly informative lectures by Don Burnett and Jan Smit, which we hope will soon be published in *MAPS*. In addition, Ross Taylor gave the Barringer Invitation Lecture on Monday night drawing insights from extrasolar and solar system planets to elucidate their history and entertain members and their guests. Many congratulations and thanks to Trevor Ireland who organized such a spectacularly successful and enjoyable meeting in Cairns and to all the program committee members and field trip organizers who ably assisted him.

### *Endowment Fund*

This year for the first time we held a most successful reception for donors to our endowment fund at our annual meeting in Cairns. In addition to thanking the major donors, we formally launched the Legacy Program, which is described elsewhere in this newsletter. Joe Goldstein who chairs the committee responsible for the Legacy Program first described how the program operates. Then three other committee members—Drew Barringer, Tim Swindle, and Candace Kohl—gave their personal reasons for supporting the Meteoritical Society and the Legacy Program. The success of the reception and the launching of the Legacy Program were the result of major efforts by the Endowment Committee. I thank Joe Goldstein and Rhian Jones for organizing the reception and all those who spoke. We rely heavily on the loyalty and generosity of our members, and hope that the reception for donors will become a special event at all our meetings.

### *Meteoritics & Planetary Science*

Wiley-Blackwell began publishing our journal, *Meteoritics & Planetary Science*, three years ago and I congratulate Editor Tim Jull, the Associate Editors, and the staff of the *MAPS* editorial office and Wiley-Blackwell who have worked very hard to make the journal even more successful. The editorial office functions smoothly under Managing Editor, Agnieszka Baier, who expertly guides authors and associate editors. The staff at Wiley-Blackwell led by Fiona Murphy have been most diligent in promoting the journal, consulting with the society, attending to authors, and maintaining an efficient production schedule. We thank them all for bringing *MAPS* into a most successful publishing partnership with an exciting future.

This year for the first time Wiley-Blackwell offered four \$500 awards to students who gave outstanding presentations at our annual meeting in Cairns. The McKay award committee identified four worthy recipients, Evan Groopman (Washington University), Matthew Huber (University of Vienna), Reto Trappitsch (University of Chicago), and Kelsey Young (Arizona State University), from the runners-up for the McKay Award, which was awarded to Maartje Hamers (Utrecht University). The society greatly appreciates the generosity of Wiley-Blackwell in funding these awards.

Members interested in the history of our science society have been enjoying a series of oral histories in *MAPS* by Derek Sears, who took over this project from Ursula Marvin. This year Derek has published fascinating interviews with Don Bogard, Grenville Turner, John Wood, Joe Goldstein, Klaus Keil, and Dale Cruikshank. Another historical resource for our members is the archive of back issues of *MAPS*. Thanks to efforts by various members who have loaned back issues for scanning and Wiley-Blackwell, members now have free access to every issue of *MAPS* and its predecessors back to 1935: *Meteoritics*, *Contributions of the Meteoritical Society*, and *Contributions of the Society for Research on Meteorites*.

Next year our publication committee, which oversees *MAPS* for the council, will be chaired by George Flynn, who takes over from Cyrena Goodrich. The main task for the committee will be to prepare for the contract renewal negotiations with Wiley-Blackwell, which take place in October and November 2013. In addition, our bylaws require that the committee, “evaluate the record of the current Editor, nominate an Editor for the next term, and report this evaluation and nomination to the Council” before mid-2013.

### *Geochimica et Cosmochimica Acta*

At the end of last year, Frank Podosek stepped down as Executive Editor of *GCA* following the closure of the editorial office at Washington University due to a disagreement with the publisher, which has still not been resolved. As we announced in *Elements*, the Council of the Meteoritical Society elected Frank to be a Life Member of the society to honor him for his outstanding service to the community as executive editor of *GCA*. During his 12-year term, Frank Podosek showed remarkable dedication in raising the stature of the journal and helping authors improve the quality of their papers.

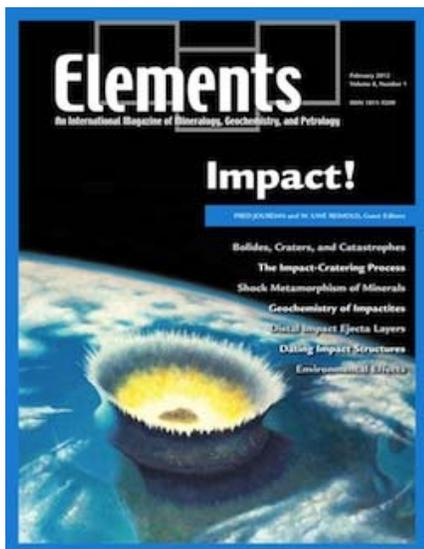
Following a rather chaotic period without a fully functioning editorial office, Marc Norman was appointed to be the new Executive Editor of *Geochimica et Cosmochimica Acta* by the publisher, Elsevier, on April 17, 2012. After a careful search, Marc was recommended by the Joint Publications Committee of the Meteoritical Society and the Geochemical Society, who jointly sponsor the journal; he was then nominated by the societies to Elsevier.

Due to the diligence and skill of Marc Norman, the considerable efforts of the Associate Editors, and a hard-working Joint Publications Committee (JPC) who vet the appointment of candidates for associate editors, the journal is now recovering. I'm especially grateful to the society members who have served on the JPC, especially Brigitte Zanda who chaired the JPC until the councils of the two societies approved Marc's appointment, and Munir Humayan, who took over from Brigitte as chair. In addition, Jeff Grossman, has served on the JPC through two tumultuous years.

The extended contract negotiations in 2010-11, Elsevier's decision to terminate royalty payments to the Meteoritical Society, the abrupt closure of the editorial office at Washington University a year ago, and the chaotic period this year until Marc Norman took over have severely strained relationships with the publisher of *GCA*. The societies are therefore greatly indebted to Marc Norman for steering *GCA* back onto a more stable trajectory and wish him every success as Executive Editor. I would also like to thank the Presidents of the Geochemical Society, Frank Mukasa, who was President last year, and Rick Carlson, who took over in 2012, who have spearheaded the efforts to help negotiate a settlement with Elsevier over the editorial office dispute. Unfortunately, Rick's considerable efforts this year have not been successful.

### *Elements*

In the two years since we joined the other societies in sponsoring *Elements*, members have been able to enjoy special issues on cosmochemistry and impacts, well illustrated society news columns edited by Cari Corrigan, and 1-2 page articles in CosmoElements on results from missions to asteroids and comets, the Allende meteorite, the Tissint meteorite, and Antarctic meteorite recovery programs. The recent October issue contained a lucid and very fascinating account by Don Brownlee of the



results from the Stardust comet mission, which alone is worth the annual subscription! Many thanks to Cari Corrigan for successfully launching our society news column in *Elements* and for organizing the CosmoElements articles. Shown here is the cover of the issue of February 2012.

### *Website*

Last month our society's website [meteoriticalsociety.org](http://meteoriticalsociety.org) was re-launched with a new design based on new code and a new physical location. We are indebted to Hiroshi Kaiden, our new webmaster, to Keiji Misawa, who helped establish the new website, and to our secretary Greg Herzog for making the transition as smooth as possible. We are also most grateful to those members who have helped to redesign and reorganize the website, add new images, and test the new site.

The website has been completely reorganized so that it is easier to navigate. It contains news items plus all the information that members need about member benefits, society publications, annual meetings, awards, renewing memberships, society bylaws, council and committee members, endowment fund, council minutes, annual newsletters plus access for members to the Meteoritical Bulletin Database, Wiley-Blackwell website for *MAPS*, *Elements* archive, and our member directory. Please contact Hiroshi Kaiden ([webmaster@meteoriticalsociety.org](mailto:webmaster@meteoriticalsociety.org)) if you see errors or have suggestions for improvement.

The website still needs good illustrations, information about meteorites and books by members, committee rules, and information for annual meeting organizers. Please let Greg Herzog know if you would like to help with these parts of the website or improve the content in other ways. The website is an invaluable resource for all members but especially for the officers and council members, and we greatly appreciate the sustained efforts of Hiroshi Kaiden to establish the new site.

### *Meteoritical Society Archives and Records*

In March of this year the Society's archives, which had been in Roy Clarke's office in the Department of Mineral Sciences at the Smithsonian Institution since 2000 were officially transferred to the Smithsonian Institution Archive. We are most grateful to Roy for organizing the society's archives since they were transferred from Arizona State University and for

augmenting the archives with files from the officers of recent Councils.

The archives occupy 11 large record boxes in addition to the electronic records from recent councils. They can be consulted at the Smithsonian Institution Archive by anyone interested in the history of our society and field.

### *The Society in 2013*

I would like to welcome the new officers who begin their service on January 1, 2013: Monica Grady (UK) President and Mike Zolensky (USA) Vice-President. Our thanks go to those council members who are leaving at the end of this year: our past-President, Hiroko Nagahara, who has served faithfully on the council for the last six years, and Gretchen

Benedix, Harold Connolly, Alex Deutsch, and Keiji Misawa all of whom served on the council for four years, ably participating in about 50 hours of council meetings!

One of the first jobs for the new council will be to appoint the next nominating committee members who will recommend a slate of candidates for the 2015-16 council. If you would like to serve on the council or nominate a colleague please inform Greg Herzog by May 2013 when the new committee will start work.

I look forward to seeing many of you next year at the 76<sup>th</sup> annual meeting of the society in Edmonton on July 29 to August 2.

Ed Scott

## ANNUAL MEETINGS

### 2012 Annual Meeting, Cairns, Australia

The 75th annual meeting of the Meteoritical Society was held in Cairns, Australia, from 7th to 12th August, 2012 at the Cairns Convention Centre. Over 400 abstracts were submitted creating an exciting program including new reports on Sutter's Mill and Tissint meteorites. Oral presentations were accommodated in two parallel sessions through to Friday afternoon with poster sessions on Tuesday and Thursday evenings.



There were 370 attendees, including 240 member and non-member participants, 70 students, and a further 60 guests.

Forty-four students and 5 professionals from low-income countries were awarded travel funds totaling ~\$40,000 primarily through support of the Barringer Crater Company, NASA cosmochemistry, and Meteoritical Society Endowment Fund.

The scientific program covered a wide range of topics

including: formation of the solar system, samples from Mars and Vesta, impacts and shock processes, chondrules and refractory inclusions, carbonaceous, ordinary and enstatite chondrites, differentiated meteorites, isotopes, IDPs and micrometeorites, secondary processes and organic matter. Special sessions were dedicated to Jim Arnold, Brian Mason, John de Laeter and David Wark.

The Barringer Invitational Lecture was presented by Prof Ross Taylor to an enthusiastic audience on the origin of planetary systems. Ross is a stalwart of the Meteoritical Society and his presence in Cairns was a highlight.

On Wednesday afternoon participants were transported to the Skyrail Station for a trip over the rainforest canopy ending at the Rainforestation Nature Park. Guests were presented with an Aboriginal concert, travel through the forest and lagoon on Army Ducks, and a native zoo with everything from a 6 m crocodile to cuddly koalas, before a barbecue dinner.

Many attendees also participated in cruises to the

UPCOMING MEETINGS			
Year	Location	Dates	Contact
2013	Edmonton, Alberta, Canada	July 29-August 2	herd@ualberta.ca
2014	Casablanca, Morocco	September 7-12	chennaoui_h@yahoo.fr
2015	Berkeley, California, USA	July 27-31	kuni@ssl.berkeley.edu
2016	Berlin, Germany	August 7-12	Uwe.Reimold@mfn-berlin.de

Great Barrier Reef to view the Earth's largest living organism. Following the meeting were two field trips to view craters in Central Australia, out of Alice Springs organized by Craig O'Neil, and from Western Australia out of Perth organized by Alex Bevan.

### 2013 Annual Meeting in Edmonton, Alberta, Canada

The 76<sup>th</sup> annual meeting of the Meteoritical Society will take place in Edmonton, the capital city of Alberta, Canada. The meeting will be held July 29<sup>th</sup> – August 2<sup>nd</sup> at the Crowne Plaza Chateau Lacombe in Edmonton's downtown core, within walking distance to the Arts District, shopping, nightlife, restaurants and coffee shops. Edmonton is the most northerly major city in Canada. Long daylight hours and warm weather are therefore expected during the summer months. Situated on the North Saskatchewan River, Edmonton is close to UNESCO World heritage sites such as the Jasper and Banff Canadian Rocky Mountain Parks, Head-



Smashed-in-Buffalo Jump, and Dinosaur Provincial Park. Less than an hour away from Edmonton is Elk Island National Park. In addition to an opportunity to

observe bison, moose and deer in a natural setting, this dark sky preserve is also a prime viewing area for the aurora borealis, a light show we may be treated to as the next northern light activity maximum is approached. The conference banquet will be held on Wednesday, July 31<sup>st</sup>, at the picturesque campus of the University of Alberta.

We expect to have a wide variety of interesting scientific sessions at our meeting. Several field trips are planned, including an excursion to the Whitecourt meteorite impact crater, one of a few Holocene craters worldwide; a K/T boundary locality; and the world-famous Royal Tyrell Museum of Palaeontology. Full details can be found in the first announcement, available on the LPI website, [www.lpi.usra.edu](http://www.lpi.usra.edu). Additional details can be found on the local meeting website, [www.metsoc2013edmonton.org](http://www.metsoc2013edmonton.org). For more information please contact organizing committee chair Chris Herd at [herd@ualberta.ca](mailto:herd@ualberta.ca).

We look forward to welcoming you to Edmonton next summer!

### FROM THE TREASURER

This report summarizes the society's finances in Fiscal Year 2012 (FY12), 1 June 2011 to 31 May 2012. The society's finances are healthy and the budget is balanced under our current operations.

#### Assets

At the end of FY12, the balance of the Operating Fund was \$158,184 and the portfolio value of the Investment Fund was \$751,308. The Investment Fund contains three endowed funds, which were distributed as follows at the end of FY12: General Endowment Fund, 85.7%; Nier Fund, 7.07%; Gordon A. McKay Fund, 7.22%.

#### Operating Fund

FY12 was the second year of publishing *MAPS* with Wiley. Our operating budget includes two kinds of income from Wiley: an agreed sum that supports the *MAPS* Editorial Office, as well as royalty income which is based on Wiley's total *MAPS* revenue. The final royalty amount we received for calendar year 2011 was \$35,465. Some of Wiley's revenue consists

of *MAPS* subscriptions which members pay as part of their membership dues. Overall, in FY12, the society budget for publication of *MAPS* was close to breaking even. Our agreement with Wiley is on a stable financial footing.

In FY12, the New York MetSoc meeting organizers transferred a conference surplus of \$35,719 to the Operating Fund, and the Greenwich MetSoc meeting organizers transferred a conference surplus of \$10,226. Council decided that these surpluses should be used to protect against conferences that might run unexpected financial losses. The Greenwich conference also returned a loan of \$20,000. Two loans, totaling \$62,238, were made to the Cairns MetSoc meeting for advance payment for the conference venue.

The Operating Fund budget for FY13 is close to being balanced, neglecting fluctuations due to advance payments to and surpluses from our annual meetings. The budget includes the society's membership to *Elements* magazine, which costs approximately \$15,000 per year. Council decided to keep membership rates at the 2012 level for 2013.

## Gifts

We thank the 175 society members who generously contributed gifts to the endowment, Nier and McKay Funds in the past fiscal year. The total of gifts received was close to \$12,000. These contributions helped support workshops, awards, student and professional travel and other activities. This year, for the first time, members were also invited to donate directly to support travel for professional members from low-income countries to attend the annual meeting. A total of \$1,415 had been raised by 31 May 2012, and this money was used to partially support travel for four scientists who attended the meeting in Cairns.

The following members contributed \$100 or more during FY12:

E. Anders, F. Begemann, A. Brearley, S. Buhl, G. Crozaz, N. Dauphas, P. DeCarli, T. Fagan, B. French, T. Fukuoka, M. Gaffey, S. Genest, E. Gnos, J. Goldstein, D. Gota, M. Grady, E. Grew, J. Grossman, P. Hardersen, H. Hiyagon, C. Hohenberg, R. Jones, J. Kashuba, C. Koerberl, L. Labenne, D. Lauretta, U. Marvin, T. McElvain, L. McFadden, H. Nagahara, K. Nagao, B. Narendra, K. Nier, M. Nolan, L. Nyquist, E. Olsen, G. Osinski, H. Palme, D. Papanastassiou, R. Pepin, R. Reedy, T. Swindle, R. Tabor, S. Togashi, A. Treiman, C. Velsko, J. Wacker, R. Walker and J. Wasson.

The following members also made donations: C. Arps, K. Bajo, J. Beckett, L. Benner, J. Berkley, R. Bild, J.-L. Birck, H. Boettcher, A. Bouvier, R. Brett, A. Brogioni, V. Buchwald, P. Buseck, N. Chabot, R. Clarke, H. Csadek, M. Dence, P. Dickmann, D. Dickson, D. Dietz, D. Ebel, N. Eberz, A. Ehlmann, P. Englert, O. Eugster, W. Farrell, V. Fernandes, J. Filiberto, J. Friedrich, J. Gilmour, B. Glass, W. Hartmann, L. Hecht, C. Herd, G. Herzog, Y. Hidaka, L. Hill, E. Hoffman, M. Honda, S. Hopper, P. Houston, Y. Ikeda, O. Jentsch, E. Jessberger, W. Keller, N. Kita, J. Koblitz, A. Kracher, M. Lane, L. Lebofsky, J. Lewis, R. Lewis, G. Lugmair, K. McKeegan, H. McSween, D. Meisel, H. Melosh, B. Meyer, F. Meyer, T. Mikouchi, D. Milton, M. Miyamoto, G. Moore, E. Murad, T. Nakamura, J. Nauber, D. Nava, J. Neu, F. Niederer, H. Nishimura, J. Otto, M. Ozima, C. Peterson, C. Pieters, H. Plotkin, T. Prettyman, A. Pun, E. Quirico, M. Reynolds, M. Robson, A. Rubin, A. Ruh, A. Ruzicka, K. Sakamoto, A. Schlazer, W. Schroer, S. Schwenzer, E. Scott, P. Signer, S. Singer, P. Sipiera, R. Smith, R. St. Clair, W. Stanbro, D. Stöffler, S. Tachibana, K. Takahashi, N. Takaoka, T. Tanaka, L. Taylor, S. Taylor, M. Telus, H. Thiel, T. Tomiyama, G. Turner, C. van der Bogert, W. Van Schmus, M. Velbel, D. Walker, R. Walter, T. Webb, K. Welten, A. Westphal, L. Wilkening, G. Wilson, S. Wolf, D. Woolum, P. Wozniakiewicz, T. Zega, E. Zinner, M. Zolensky.

Rhian Jones

## FROM THE ENDOWMENT COMMITTEE

### Project Grants during the Last 12 Months

#### *Second Arab Impact Cratering and Astrogeology Conference, AICAC II*

The conference, held 13-20 November 2011 in Casablanca, Morocco, was co-sponsored by the Society and aimed at establishing cooperation between well-established groups in the field of impact cratering and astrogeology and researchers from the Middle East and North Africa, where many impact craters exist and numerous meteorites have been collected. The conference objectives were to stimulate careful documentation of impact craters, to promote new research in astrogeology and meteoritics, and to increase interest among universities and scientific institutions in the Arabic countries. A report on the Conference appeared in the June, 2012 issue of *MAPS*

and is available at <http://onlinelibrary.wiley.com/doi/10.1111/j.1945-5100.2012.01368.x/pdf>.

#### *Workshop on Formation of the First Solids in the Solar System*

Over 180 cosmochemists, astrophysical modeling experts, and astronomers met on the island of Kaua'i, Hawai'i on November 7-9, 2011 for the Workshop on Formation of the First Solids in the Solar System.

The stimulating and energetic workshop addressed fundamental questions about the formation of the first solids and the history of the early Solar System. This workshop was dedicated to Klaus Keil to honor his distinguished career in meteoritics and cosmochemistry. It was focused on major issues that are crucial in deciphering the meteorite record of the early Solar System. Papers presented at the conference

will be published in the December, 2012 issue of *MAPS*.

### *Conference on the Lunar Highlands*

MetSoc provided travel funding for two students to attend a workshop on the Lunar Highlands, held in Bozeman, Montana on July 13-15, 2012 on the campus of Montana State University. The workshop, which was sponsored by the Lunar and Planetary Institute, included invited review talks about the lunar highlands, and contributed talks and posters on current research and controversies about the lunar crust. Conference organizer Alan Treiman wrote:

Many thanks to you and to the Meteoritical Society and its Council for providing student travel support for our just-completed Second Lunar Highlands Conference. The workshop was apparently a great success (beyond my own opinion); lunar meteorites were one of the main sources of information cited at the workshop (the others being optical remote sensing and gravity mapping).

The Society's generous contribution supported travel for two students, Corey Wall and Anaïs Fourny, both of the University of British Columbia. Their thesis topics involve the Stillwater Complex; they are advised by Dr. Stewart McCallum, who led the two field studies to the Stillwater. Corey and Anaïs assisted with logistics for the field trips.

### *A Meteorite Exhibit at UCLA*

MetSoc provided funds to help purchase a well-appointed cabinet that will be used to display meteorites in the UCLA collection. The display, the only one of its kind on the west coast of the US, will be the centerpiece of an exhibit installed in a large room set aside by the university and made open to students and the public. The committee and the council believe that this new venture in public outreach will encourage public interest in meteorites.

The Endowment Committee thanks all members for their generosity and support for the Society Endowment Fund.

Endowment Committee Members for 2012 are Drew Barringer (co-chair), Marc Caffee, Joe Goldstein, Uwe Reimold (co-chair), and Paul Warren.

### **Legacy Program for the Meteoritical Society**

The Meteoritical Society Endowment Fund was set up in 1996 to enable the society to support new projects that enhance the society's goals and to

provide an economically secure future for the Society. Projects supported by the Endowment Fund include student travel to society meetings and workshops, assisting scientists from economically disadvantaged countries to attend our annual meetings, and funding outreach projects and new exhibits on meteorites. The initial funds for the Endowment Fund came from royalties from Pergamon, who then published *Geochimica et Cosmochimica Acta*. Due to the generosity of our members and continuing *GCA* royalties, the size of the Endowment Fund has increased tenfold since 1996. However, Elsevier has now discontinued royalties to the Meteoritical Society and we must rely more on the generosity of our members.

In Cairns, the council approved a proposal by the endowment committee to establish a Legacy Program for the society. The purpose of the Legacy Program is to raise funds for the endowment so that the Meteoritical Society can continue to carry out its current important activities and to provide the society the financial support so that yearly dues can continue to be modest, especially for student members.

The Legacy Program is open to all our members and supporters who want to leave a legacy that will continue well into the future. Members and supporters of all ages and all financial means are encouraged to commit to the program knowing that their contribution will come at a much later time and will not have a major impact on their finances in the immediate future. Donors to the Legacy Program will be recognized on the society web page, at our annual meetings, and in our newsletters.

More detailed information about the Legacy Program soon will be available on our website. Meanwhile, contact any officer or legacy committee member for more information. Several members have already committed orally and the committee plans to talk with committed members about joining the Legacy Program in the coming year.

Please help us provide for an economically secure and vital future for the society that many of us hold above all others. Legacy Committee members are: Drew Barringer, Candace Kohl, Hap McSween, Ed Scott, Tim Swindle, Grenville Turner, Herbert Palme, Rhian Jones, Joe Goldstein (chair).

Joe Goldstein  
Ed Scott

## PUBLICATIONS REPORTS

### **MAPS**

I would like to summarize briefly the status of our journal, *Meteoritics & Planetary Science*. Scientifically, the journal continues to do well and economically, the budget is balanced.

#### *Paper Submission*

The journal submission rates continue to be good. In 2011, we received 188 papers; so far this year we have received 238 papers, reflecting several large special issues. The increase has put a considerable load on some associate editors. The submission rate has increased from before 2011, when it was ~154. The fraction of manuscripts accepted is 0.80.

#### *Online Journal*

The Wiley system has uploaded an archive of all back issues of the journal. These are available as open-access for issues more than 2 years old.

#### *Production and Typesetting of Papers*

There are no production delays in the production of papers. Minor problems are generally worked out at weekly telephone conferences with Wiley personnel.

#### *Print Statistics*

Year	No. of Papers	Paper Pages <sup>1</sup>	Pages/ Paper	Total Pages Incl. supplements
2012	93	1519*	16.3	1972*
2011	116	1948	16.8	2212
2010	118	2015	17.1	2249
2009	122	1818	14.9	2047
2008	139	2107	15.2	2316
2007	142	2182	15.4	2375
2006	132	1994	15.1	2233
2005	117	1922	16.4	2187
2004	136	2067	15.2	2352
2003	127	1880	14.8	2123

\*-up to September 2012.

1. Does not include abstract pages.

In 2011, we published 116 papers, 5 citations, 3 book reviews and 2 memorials. We expect that this



Oblique aerial view of Serra da Cangalha impact structure (Vasconcelos et al., cover page of *MAPS*, 47(11), November, 2012.

number will be exceeded in 2012, due to the higher volume of papers.

The accompanying table shows a summary of number of papers printed since 2003.

#### *Budget*

The costs of the journal office are approximately the same as last year. Minor differences are small changes in employee benefits cost, which are generally increasing, and telephone/data transmission fees from the university, which were not reflected in the prior years' budgets. The university now has a fixed fee for telephone and internet connectivity.

#### *Citing MAPS Abstracts*

Now that we have gone to online-only publication abstracts without page numbers, a question has arisen about how to cite them. The following fictitious reference shows how these abstracts should be cited in articles cited in *MAPS*.

Newton J., Franchi I. A., and Pillinger C. T. 2012. The oxygen-isotopic record in enstatite meteorites (abstract). *Meteoritics & Planetary Science* 47 (Supl.):5443.pdf.

Older meeting abstracts should still be cited using page numbers.

#### *A New Category of Article for MAPS*

*MAPS* has created a new category of article – electronic-only. It is intended for articles that are primarily of a descriptive nature and have archival

value. For example, such a paper might describe a newly discovered meteorite.

These submissions, if accepted, will be published in an electronic supplement to the journal and will be referenced and indexed in the same way as other *MAPS* papers, but will appear only in electronic form apart from a one-page summary that will be printed in *MAPS*. All meteorite names must have been approved by the Nomenclature Committee of the Meteoritical Society.

The usual reviewing and decision procedures will apply. The final decision whether to accept the submission will be made by the editor.

### *Updating Some e-mail Addresses*

E-mail addresses for *MAPS* staff used to contain @meteoritics.org and were cited on our old MetSoc website among other places. These addresses no longer exist. If you still have them for Tim Jull or Susan McDonald, please change them to jull@meteoriticalsociety.org or skm2@meteoriticalsociety.org, respectively.

A. J. T. Jull

### *GCA*

Firstly I would like to recognize and thank Frank Podosek for his stewardship of *GCA*. The current standing of *GCA* as the premier journal for geochemistry and cosmochemistry is due in no small part to his wise and steady management of the journal, and our community owes him a very large debt of gratitude. When I accepted the position, the depleted state of the Editorial Board and resulting delays in reviewing manuscripts were the most significant challenges facing the editorial operation. In concert

with the Joint Publication Committee, we have now appointed 25 new Associate Editors with more to come. The overwhelmingly positive response from the community to our invitations is very much appreciated and bodes well for *GCA*. Elsevier has acted promptly to welcome and train the new AEs, and they are supporting the editorial operations through Journal Manager David Vargas and a part-time Editorial Assistant at RSES. I would also like to thank the members of the society for supporting *GCA* with your reviews and your manuscripts. Under my editorship, *GCA* will continue its strong interest in cosmochemistry and meteoritics, and we welcome your manuscripts on a variety of topics of interest to members of the Meteoritical Society.

Marc Norman

### *Elements*

*Elements* is a bimonthly publication with an international circulation of ~15,000 focusing on subjects and news of broad interest in the geological sciences. The Meteoritical Society publishes society news on 1-2 pages per issue, and is responsible for a feature article every other issue entitled “CosmoElements” that highlights hot topics in the fields of meteoritics and cosmochemistry. The society has also taken part in producing a number of whole issues related to planetary science, including “Cosmochemistry” (February, 2011), “Impacts!” (February, 2012), and the upcoming “Asteroids” slated for (February, 2014). Under an agreement between *Elements* magazine and the Meteoritical Society, members receive printed copies of *Elements* as part of their membership package and have electronic access to all articles published by *Elements*, including past issues. In a survey conducted in the fall of 2011 the membership voted to continue the society’s association with *Elements*.

Cari Corrigan

## FROM THE NOMENCLATURE COMMITTEE

Since the last report, the Nomenclature Committee (NomCom) approved names and information for 1942 meteorites (including 1005 from outside Antarctica) that will be published in *Meteoritical Bulletin* (MB) number 100. Another 1209 meteorites have been approved for MB 101.

A change to the way that the bulletin is published goes into effect with MB 99 with publication of the

first page only in *Meteoritics & Planetary Science* and links to the online document and a file containing meteorite photos. Now that the wrinkles in the process have been ironed out, we expect the new bulletins to be published in an upcoming issue.

At the NomCom’s meeting in Houston in March, we passed a motion that “We shall not accept new meteorite submissions from collections that have not

completed the survey.” If you are a curator of a collection that includes type specimens, you should have received a link to an online survey for collecting information about your repository. If you have not filled out the survey, please email me ([herd@ualberta.ca](mailto:herd@ualberta.ca)) and we will arrange to provide the link. Completion of the survey is essential for any new meteorite submissions. In our online voting system, the status of the repository listed in a given submission is highlighted and if the survey has not been completed, the meteorite submissions may be rejected. We are now working on a set of procedures for approval of new type specimen repositories.

The Guidelines for Meteorite Nomenclature ([http://meteoricalsociety.org/?page\\_id=59](http://meteoricalsociety.org/?page_id=59)) are occasionally modified based on new events or circumstances relating to meteorite names. Three changes were made in the last year:

A new guideline (Section 9) for naming meteorite found on celestial bodies other than Earth was adopted. It covers meteorites collected on sample-return missions and meteorites observed *in situ* during manned or robotic missions.

The list of geographic features that can be used to name meteorites (Section 3.1) was refined. The language was clarified, historical sites were added to

the list, and most sites associated with recent human activity were removed from the list.

The requirements for institutions that may be used as type-specimen (Section 7.1) repositories were clarified. They now specify that “At the time of submission of the meteorite to the Committee, the type specimen must be in the permanent custody of the institution.” Previously, they stated that the specimen must be “deposited” in the institution.

There are no new members of the NomCom for 2012. However, two members (S.V.S. Murty and Richard Greenwood) will rotate off at the end of this year. Please send me nominations to fill those vacancies. We thank Murty and Richard for their dedicated service to the NomCom.

Please do not hesitate to contact me with questions or concerns about NomCom and especially with suggestions for improvement. Essential information on meteorite nomenclature, instructions and the template for reporting new meteorites may be found on our homepage, [http://meteoricalsociety.org/?page\\_id=51](http://meteoricalsociety.org/?page_id=51).

Chris Herd

## FROM THE MEMBERSHIP COMMITTEE

Our society continues to grow steadily and now has a 1000-plus membership base. Looking over the past year, we would like to take this opportunity to welcome new members and remember those who are no longer with us.

### **New to Our Listings**

New non-student members include: David Abbott, Rogelio Daniel Acevedo, Homar Barcena, John Bennett, Grant Boxer, Tomasz Brachaniec, Alan D. Brandon, Giacomo Briani, Ben Bussey, Richard Walter Carlson, Michael Thomas Cash, Roy Christoffersen, James S. Cleverley, Kenneth Conner, James E. Crews, Vinciane Debaille, Alexei Fedkin, Mario Fischer-Goedde, David Robert Frank, Jibamitra Ganguly, Mikhail Gerasimov, Nicholas Gessler, Abbasher M. Gismelseed, Yulia Goreva, Normand Goulet, John Griffin, Shonsa D. Hanke, Robert W. Hiltz, Kar Hirj, Sen Hu, Alexander I. Hubbard, Melinda L. Hutson, Kenneth J. Ireland, Philip Edwin Janney, John Harry Jewell, William Joy, Yuki Kakazu,

Yoav Kashiv, Agnes Maria Kontny, John D. Kraus, Jeff Kuyken, Marina Kuzmicheva, Jerry Leatherman, Joe Levy, Bofang Li, Guy Libourel, Daniel C. Luchansky, Nicole Gabriel Lunning, Paola Manzari, John C. McCain, Masaaki Miyahara, Krishna Muralidharan, Mike J. Norfleet, Daniel Noyes, Paul A. Olver, Robert Jean-Luc Organ, Andreas Ott, Mendy Ouzillou, Miguel Pais, Mark Pawley, Charles Pell, Timothy James Peters, Regine Petersen, Darryl Pitt, Robert W. Pohle, Maxine Rabinowe, Darwin Schultz, Jack E Sewell, William T. Short, Aaron W. Skelhorne, Gregory R Urban, Peter Williams, and Jim Wooddell.

New student members include: Joanne P Ballard, Michele T. Bannister, Jessica J. Barnes, Moritz Barth, Patrick Boehnke, Ryan M. Brown, John B. Creech, Jessica A. Dallas, Vicki J. Darlington, Karla Farley, Agnese Fazio, Craig Foster, Patrick James Gasda, Evan Groopman, Thomas Haber, Jesper C. Holst, Matthew S. Huber, Kristin Johnson, Jordan D. Kendall, Trudi Kennedy, Piers P. Koefoed, Agata Krzesinska, Yutaro Kuriyama, Yi-Jen Lai, Andrew D. Langendam,

Nan Liu, Anna I. Losiak, Tu-Han Luu, Mia Bjorg Stolberg Olsen, Marian S. Sapah, Caitlin J. Schnitzer, Alistair S. Soon, Nicole Spring, Hiroko T. Suzuki, Breton Thomas, Mona Weyrauch, Yuchen Xu, Shogo Yakame, and Kelsey Young.

## Deaths

We acknowledge the passing of James Arnold. His efforts will be recognized for many years to come. To Dr. Arnold's family and friends and to those of

others that are no longer with us, our heartfelt condolences are given. An obituary for Jim Arnold was published on our website [http://meteoriticalsociety.org/?page\\_id=16](http://meteoriticalsociety.org/?page_id=16) on Jan 18, 2012.

Alex Ruzicka  
with the assistance of J. Alex Speer

## AWARDS AND HONORS

### Leonard Medal for 2013 to Ahmed El Goresy

The Meteoritical Society recognizes Ahmed El Goresy with its 2013 Leonard Medal for his many contributions to improving our understanding of the mineralogy and petrology of meteorites and shocked rocks.

### Nier Prize for 2013 to Audrey Bouvier

The Meteoritical Society recognizes Audrey Bouvier with its 2013 Nier Prize for significant contributions to understanding the isotopic compositions of Solar System materials and the time scales of their formation.

The recipients of the Leonard Medal and the Nier Prize were selected by the Leonard Medal Committee: Conel Alexander (Chair), Tim McCoy, Herbert Palme, François Robert, and Noriko Kita.

### Barringer Medal for and Award for 2013 to Walter Alvarez

The 2013 Barringer Medal Committee will be given to Prof. Walter Alvarez 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 Barringer Medal Committee selected the recipient of this award. The committee members were Joanna Morgan (Chair), Jeff Plescia, Barbara Cohen and Alvaro Crosta.

### Service Award for 2013 to Jeff Grossman

The Service Award for 2013 will be given to Jeff Grossman for his outstanding contributions to the Society, to the Meteorite Nomenclature Committee, and to the Meteoritical Bulletin in organizing and

archiving meteorite nomenclature and classification and database development and management.

The Service Award recipient for 2013 was selected by the Membership Committee: Alex Ruzicka (Chair), Phil Bland, Tak Kunihiro, Jutta Zipfel, Melissa Strait, and Larry Lebofsky.

### Meteoritical Society Fellows for 2012

Every two years the Society names up to 1% of the membership as Fellows. The nominees are selected by the Leonard Medal Committee and approved by the Council. The Fellows for 2012 are listed below.

Philip Bland – For original and diverse studies of important meteorite problems, helping establish the Western Australia camera network, and contributions to the society.

Christine Floss – For superior ion microprobe studies of isotopes and trace elements in diverse meteorites and in presolar grains, as well as for contributions to the society.

Makoto Kimura – For outstanding studies of the mineralogy and petrology of primitive chondrites and of high-pressure minerals in shocked meteorites, and for his contributions to the society.

Thorsten Kleine – For his fundamental studies of the Hf-W system and the chronology of the early Solar System.

Yangting Lin – For contributions to the understanding of the origins of chondritic components, most notably presolar grains and CAIs, and the petrology of Martian meteorites, for his role in the Chinese Antarctic meteorite collection program, and for his contributions to the society.

Katharina Lodders – For the application of thermodynamics to our understanding of Solar System processes and the compilation of huge amounts of Solar System data so that it is readily accessible to scientists.

Bernard Marty – For outstanding studies on the noble gases and nitrogen in meteorites and Genesis samples, and for contributions to the society.

Akira Yamaguchi – For major contributions to our understanding of the petrogenesis of achondrites, leadership in the collection/curation of Antarctic meteorites at NIPR, and contributions to the society.

Edward Young – For significant studies of C, O, and Mg isotopes in meteorites and protoplanetary disks, for studies of the hydrology of asteroids, and for contributions to the understanding of isotopic fractionation during evaporation of silicates.

Hisayoshi Yurimoto – For innovative isotopic studies of chondritic components, particularly CAIs and fluid inclusions, and the mentoring of many students.

Jutta Zipfel – For significant research on a range of differentiated meteorites and on planetary missions to understand igneous processes on asteroids and Mars, for work on meteorite curation and classification, and for contributions to the society.

### **McKay Award for 2012 to Maartje Hamers**

Maartje Hamers (Utrecht University) won the 2012 Gordon McKay Award for the best oral presentation by a student at the society's 75th annual meeting in Cairns. Her presentation was titled "Shocked quartz in the SEM: distinction between amorphous and healed PDFs."

The recipient of the McKay Award for 2012 was selected by a committee with the following members: Fred Ciesla (Chair), Marc Norman, Neyda Abreu, Jade Carter-Bond, Cari Corrigan, Katie Dyl, Tim Fagan, Christian Koeberl, Ming-Chang Liu, Frederic Moynier,

Ann Nguyen, Larry Nittler, Caroline Smith, Tim Swindle, and Mario Trieloff.

### **Wiley-Blackwell Awards, new for 2012**

This year for the first time, Wiley-Blackwell, the publisher of our journal, *Meteoritics and Planetary Science*, sponsored four awards of \$500 each for outstanding oral presentations by students at our 75th Annual meeting. The 2012 winners are

Evan Groopman, Washington University, St. Louis for his talk entitled "TiXANES and EELS of Presolar TiC Subgrains within Low Density Supernova Graphite Grains"

Matthew Huber, University of Vienna for his talk entitled "Distribution of Meteoritic Material in Sudbury Ejecta"

Reto Trappitsch, University of Chicago for his talk, entitled "Solar Cosmic Ray Irradiation of the Solar Nebula"

Kelsey Young, Arizona State University for her talk entitled "The Age of Haughton Impact Structure as Determined by Zircon (UTh)/He Thermochronology"

### **Pellas-Ryder Award for 2012**

The winner of the 2012 Pellas-Ryder Award is D. Alex Patthoff of the University of Idaho. His paper, "A fracture history on Enceladus," provides evidence for a global ocean. Published last year in *Geophysical Research Letters*, the paper argues that Saturn's moon Enceladus possesses a liquid water ocean underneath its icy crust, joining Europa, Ganymede, and Titan in this club of special moons.

The selection of the Pellas-Ryder award for 2012 was made by a joint committee of the Meteoritical Society (MS) and the Geological Society of America (GSA). Its members were Hilary Downes (MS), Dante Lauretta (MS), Mario Trieloff (MS), Bob Anderson (GSA), Dave Williams (Chair, GSA), and Debra Buczkowski (GSA).

## **CALL FOR NOMINATIONS: AWARDS AND FELLOWS**

The society depends on its members to nominate deserving candidates for its awards and Fellows. Your participation is needed and important. The procedures for making a nomination are summarized here and can

also be found on our website, [http://meteoriticalsociety.org/?page\\_id=66](http://meteoriticalsociety.org/?page_id=66).

Nominations for Meteoritical Society awards should be sent, preferably by email with electronic

attachments, to the appropriate committee chair (listed at the end of each paragraph) with a copy to the secretary, Greg Herzog (herzogsec@rutchem.rutgers.edu).

### **Leonard Medal and Nier Prize - Deadline January 15, 2013**

The Leonard Medal honors outstanding contributions to the science of meteoritics and closely allied fields. It was established in 1962 to honor the first President of the Society, Frederick C. Leonard. Nominations for the Leonard Medal and the Nier Prize should include:

- a formal letter of nomination,
- a biographical sketch of the candidate,
- a list of publications covering the work to be considered for the award,
- additional substantive information, such as statements as to the importance of the nominee's research to the field of meteoritics and/or to the research of others,
- one seconding letter in support of the nomination (additional letters are encouraged).

Nominations for the Nier Prize should also include the candidate's birth date; a nomination is void if the candidate will reach the age of 35 before the end of 2013. (Candidates must have been born in 1979 or later.) If the research for the Nier Prize was performed and published with a research advisor or with multiple authors, a statement must be included that describes the nominee's leading role in the research.

For 2013, the chair of the Leonard Medal Committee, which makes selections for both the Leonard Medal and the Nier Prize, is Herbert Palme (Palmeherbert@gmail.com).

### **Barringer Medal - Deadline January 15, 2013**

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 Barringer Medal and Award were established in 1982 to honor the memory of D. Moreau Barringer Sr. and his son D. Moreau Barringer Jr. and are sponsored by the Barringer Crater Company. Nominating letters should include:

- a biographical sketch of the candidate,

a summary and evaluation of the accomplishments of the candidate and the importance of the candidate's work,

a list of publications covering the work to be considered for the award, and

one or more seconding letters.

The committee chair for 2013 will be Jeff Plescia (jeffrey.plescia@jhuapl.edu).

### **Service Award - Deadline January 31, 2013**

This award honors members who have advanced the goals of the society to promote research and education in meteoritics and planetary science in ways other than by conducting scientific research. Examples of activities that could be honored by the award include, but are not limited to, education and public outreach, service to the society and the broader scientific community, and acquisition, classification and curation of new samples for research.

Nominating letters should include a biographical sketch of the candidate and additional substantive information, such as statements as to the importance of the nominee's activities to the field of meteoritics and/or to the research of others. One or more seconding letters in support of the nomination are strongly encouraged.

The chair of the membership committee, which administers this award, is Alex Ruzicka (ruzickaa@pdx.edu).

### **Pellas-Ryder Award -- Deadline January 31, 2013**

This award, which is jointly sponsored by the Meteoritical Society and the Planetary Division of Geological Society of America, is for undergraduate and graduate students who are first author of a planetary science paper published in a peer-reviewed scientific journal. Any first author of a paper published on a topic listed on the cover of *MAPS* who was a student when the paper was submitted is eligible for consideration for this award. Nominations should include

the full citation,

a brief description of the paper's significance,

a letter from the department head verifying that the first author was a registered student when the paper was submitted, and

a letter from the student's advisor describing what portion of the work was done by the student.

Please send nominations to the secretary, [MetSocSec@gmail.com](mailto:MetSocSec@gmail.com)

### **Nomination of Fellows – Deadline is Not until 2014, But Now Is a Good Time to Nominate**

Fellows are elected in even-numbered years so the next deadline for nominations will be Jan 15, 2014. If you wish to nominate someone now we will be glad to keep the nomination on file.

Members who have distinguished themselves in meteoritics or in closely allied fields may be elected

Fellows by the Council. No more than 1% of the members can be elected in even-numbered years. An alphabetical list of Fellows of the Society may be found on our web site (click Awards and then Fellows in the left hand menu).

Nominations for fellows should include a summary of the candidate's accomplishments (suggested length: ~150-200 words) together with a list of 5-10 of the candidate's most significant publications, including titles. Nominations should be sent to the chair of the Leonard Medal Committee for 2013, Herbert Palme ([Palmeherbert@gmail.com](mailto:Palmeherbert@gmail.com))

## FROM THE SECRETARY

### **The Council of 2013-14**

On January 1, 2013 a new MetSoc Council will take office. Ed Scott, our current President, will become Past-President, and Monica Grady, our current Vice-President will take the reins as President. All the other positions - those of the eight councilors, the Vice-President, the Treasurer, and the Secretary - were filled by the process that our Constitution describes.

Specifically, the Nominating Committee under the able leadership of Rainer Wieler prepared a list of candidates for the open positions. After Council approval, the list was circulated to the membership. Our Constitution specifies that if no other candidates are nominated, then the Secretary is to declare that the membership has affirmed the choice of the nominees on the list. There were no other nominees and on February 16, 2012, I sent an e-mail announcing results.

Our new Vice-President is Mike Zolensky, who will become president in 2015. We welcome four new Councilors, Jay Melosh, Larry Nittler, Maria Schönbacher, and Hisayoshi Yurimoto. Continuing for a second term will be Councilors Nancy Chabot, Hasnaa Chennaoui, Luigi Folco, and Kevin Righter, our indomitable Treasurer Rhian Jones, and I as Secretary.

We thank again departing Councilors Harold Connolly, Gretchen Benedix, Alex Deutsch, and Keiji Misawa. And for her six years of steadfast service to the Council, we express our gratitude to Hiroko Nagahara.

### **MetSocCom, the Electronic Forum is 1 Year Old**

MetSocCom, the society's electronic forum went on the air in December, 2011 and currently has a total of 162 individual subscribers with new subscribers continually being added. Postings and discussions have ranged from job and fellowship announcements, to NASA budgets, the purpose of provisional meteorite names, and information on several new meteorites including Sutter's Mill. We encourage all subscribers to continue to use MetSocCom for discussions and announcements related to the society.

The list is voluntary with membership only open to current Meteoritical Society members. The subscriber list is private and will not be shared with anyone. If you would like to be included on the list and are not currently subscribed, please visit <https://metsoc.meteoriticalsociety.net/lists.html> or contact me ([friedrich@fordham.edu](mailto:friedrich@fordham.edu)) for details.

For those who are hesitant to join because for fear that their inbox will be overflowing with messages, the list has averaged about 4 messages per month, with a maximum of 14 messages. Please join us and contribute to the discussions and postings!

Jon Friedrich

## A New Look and a New Host for the MetSoc Website

During the week of October 16-23 our website moved to a new site in Japan. The name is the same as always—either meteoriticalsociety.org (the ‘real’ name) or www.meteoriticalsociety.org will get there.

The transition proved easier to imagine than realize and required many hours of work by our new webmaster Hiroshi Kaiden and Councilor Keiji Misawa, to whom we owe a debt of gratitude.

Although no less expensive to operate, the new website is much easier to edit than the old one. For editing purposes, most of it is displayed in ‘wysiwyg’ (what you see is what you get) format, which means that non-experts can make changes as needed. Council members chose the current, cycling gallery of pictures on the home page. We expect to introduce new material from time to time and would be glad to consider your suggestions.

Some of the web pages are under construction. For example, we’ve been thinking about what to put on the ‘About Meteorites’ page and invite your comments. We’ve also been debating the placement of the lead links. Some members have requested a highest-level link to the Meteorite Database. Unfortunately, one limitation of the present system is that the top-level blue buttons cannot be coded to include external links.

## Celebrating Our 75th Annual Meeting

Shown below is a poster that Ed Scott prepared and presented at Cairns to commemorate the 75th Annual Meeting of the society. Data and logos are from the society website and Ursula Marvin’s history of the society in Meteoritics 28:261-314 (1993).

Greg Herzog

