

<http://meteoriticalsociety.org>

## 2019 METEORITICAL SOCIETY TREASURER'S REPORT



Candace Kohl

The Meteoritical Society's finances continue to be on a sound footing, and both the Operating Fund and our Investment Fund are currently healthy. This is despite the fact that this year the society was the unfortunate target of a phishing scam and we suffered some losses from our Operating Account. The situation is stable and the council is working to mitigate the loss and see that it is reported to all appropriate agencies and that all recourses are pursued. The present financial situation of the society is secure.

A large portion of the operating budget relates to the publication of *Meteoritics and Planetary Science (MAPS)*, our international monthly journal of planetary science, which covers topics including the origin and history of the solar system, planets and natural satellites, interplanetary dust and the interstellar medium, lunar samples, meteors, meteorites, asteroids, comets, craters, and tektites. The *MAPS* journal has been published by Wiley since 2010, and our income from Wiley closely matches the expenses of the Editorial Office at the University of Arizona (USA), which is managed by Editor Tim Jull.

Society memberships include subscriptions to *MAPS* and to *Elements*. Membership with subscription to only the electronic version of *MAPS* has become a popular option, although many of our members still purchase the printed version. Dues were raised this year for those desiring the print copy of the journal. Collection of membership dues for 2020 will begin in October 2019. Dues for print copies of the journal *MAPS* will again be increased. I would like to encourage members to pay their dues in a timely manner, as this helps greatly with financial planning. Healthy finances depend on a stable number of memberships.

Our Investment Fund, which includes a number of endowed funds, continues to do fairly well. The Nier Fund supports the annual Nier Prize, which recognizes outstanding research by young scientists in meteoritics and closely allied fields. The 2019 recipient is Dr. Aki Takigawa of Kyoto University (Japan). The Gordon A. McKay Fund supports an award to the student who gives the best oral presentation at the annual meeting of the society. The 2018 award was given to Timothy Gregory at the University of Bristol (UK).

The Travel for International Members (TIM) Fund to support travel to Meteoritical Society meetings for professional members of the society from low-income countries continues to grow and, this year, funds that are donated to it will be used to fund travel to our 2019 meeting in Sapporo (Japan). Tim Swindle continues his generous annual donation to this fund. The O. Richard Norton Fund, which is generously supported by John H. and Dorothy Norton Kashuba, will be used for travel to the annual meeting this year in Sapporo, with preference given to early career scientists. The first O. Richard Norton Travel Awards were given out for the 2018 Moscow (Russia) meeting and the fund will provide an ongoing resource for future meetings.

The society is very excited to announce a new prize award. The Elmar K. Jessberger Award recognizes outstanding research in the field of isotope cosmochemistry by a mid-career female scientist. The recipient will be a woman who received her doctorate between 10 years and 20 years before the year she is selected by the council. The award will be presented every other year and will come with prize money of US\$1,500. The award was established in 2019 to honor the memory of Elmar K. Jessberger, and is supported by an endowment established by the Jessberger family.

The General Endowment Fund supports a variety of outreach projects. Over the last year, this fund has been used to provide travel support to attend the Meteorite Curators Meeting at the Vatican Observatory (Vatican City State); for student travel to the first ever Workshop on Meteorite Studies, Analytical Techniques, and Current Meteorite Collections in Istanbul (Turkey); support for early career scientist to attend the Gordon Research Conference on Origins of Solar Systems; and support for South American and other postgraduate students and recent post-docs to attend the Large Meteorite Impacts and Planetary Evolution Conference at the University of Brasilia (Brazil). The Endowment Fund was also used to support travel for students to attend the Meteoritical Society meeting in Moscow (Russia). In 2019, the General Endowment Fund will be used to fund students and post-doctoral scholars to attend the meeting in Sapporo. We always welcome suggestions and ideas for ways in which the General Endowment Fund can be utilized to promote the goals of the society and enrich its activities.

Many society members contribute generously to support all of these funds, and your donations are always greatly appreciated. It is simple to donate to any of our funds at the same time as you renew your membership. Donations by check (cheque) or other means are also welcomed.

In addition to major contributions, a total of over \$16,000 was donated to the various funds from our generous members. Over 250 separate donations were received this fiscal year. Your contributions provide direct support that helps to strengthen our international community.

## PAUL PELLAS/GRAHAM RYDER AWARD WINNER

The Pellas–Ryder Award for the best student paper in planetary sciences is jointly sponsored by the Meteoritical Society and the Planetary Geology Division of the Geological Society of America. It is awarded to an undergraduate or graduate student who is first author of the best planetary science paper published in a peer-reviewed scientific journal during the year prior to the award. The award has been given since 2001 and honors the memories of meteoriticist Paul Pellas and lunar scientist Graham Ryder.



Simon Lock

For 2018, the award for the Best Student Paper in Planetary Sciences has been given to Simon Lock, formerly a PhD student at Harvard University (USA) and now a postdoc at the California Institute of Technology (USA). The award is in recognition of the paper "The Origin of The Moon within a Terrestrial Synestia", (2018, *Journal of Geophysical Research: Planets*, v123 pp910-951). The paper makes a transformative contribution toward understanding the origin of the Earth and the Moon. The study modeled the Moon as forming

within a new type of astronomical object, called a synestia. In the aftermath of a high-energy, high-angular-momentum giant impact, the vaporized Earth-impactor body forms a rapidly spinning donut-shaped object that is the synestia. Formation within a terrestrial synestia can explain the Moon's unusual chemical relationship and isotopic similarity to the Earth. Simon presents the new theory and discusses how the thermodynamics and chemistry of molten silicates within the cooling synestia produced the volatile element depletion but retained the isotopic similarity observed in the Moon. His results will undoubtedly help meteoriticists and planetary scientists better understand the origin of the Earth–Moon system.

## 2019 MEMBERSHIP REPORT

As of June 2019, the Meteoritical Society comprises 625 regular members, 127 students, 155 retired members, 29 life members, 13 members from developing countries and 4 complimentary members. This brings us to a grand total of 957 members. Many thanks to Gretchen Benedix for providing these statistics. We now have members in 50 countries. However, the statistics show that we still have a lot to do to gain members in many countries and to increase the number of student members. Student memberships remain an inexpensive US\$40 and continue to subsidize the registration fee for the Meteoritical Society's Annual Meeting. Student members also have the opportunity to attend a Student Reception at this meeting, which provides an excellent forum where they can interact with their peers and meet senior scientists in the community. **Please encourage your students to join!** In addition, the society does have a mechanism in place to subsidize annual dues for members in low-income countries. Prior approval is required from the Membership Committee for this rate: please refer to our website at <http://www.meteoriticalsociety.org> for more information.

For those wishing to avoid the hassle of paying dues every year, consider a life membership! For more information and details on how to become a member of the Meteoritical Society, please see our society web page at [www.meteoriticalsociety.org](http://www.meteoriticalsociety.org).

## MEETING INFO

<b>2020</b>	Glasgow (Scotland, UK)	9–14 August
<b>2021</b>	Chicago (Illinois, USA)	16–20 August
<b>2022</b>	Perth (Australia)	Dates TBD

## IN MEMORIAM



Prof. **Keizo Yanai**, a founder of Antarctic meteorite research, passed away 17 December 2018 at the age of 77. He was born 25 July 1941 in Furudono (Fukushima, Japan), received his BS from Akita University (Japan) and his PhD degree in petrology (Mesozoic igneous rocks) from Tohoku

University (Japan). Keizo served for many years as a curator at the National Institute of Polar Research (NIPR) of Japan where he collected and allocated thousands of Antarctic meteorites for our community. Keizo left NIPR to move to Iwate University (Japan) in 1995, where he worked as a professor until his retirement in 2007. After his retirement, he continued his passion for meteorite research and taught about meteorites to high school students in the museum.

He received many awards, including the Prime Minister's Award of Japan (1969), the Antarctic Service Medal from the United States (1979) and was a Fellow of the Meteoritical Society (1990). His name is immortalized in the sky as the asteroid 9206 Yanaikeizo. He is survived by his wife, Yoko, and two sons, Kazuhiro and Akihiko.

**Hiroshi Naraoka**, Kyushu University, Japan (please see full citation at the MetSoc's website)

Country	Developing Country	Member	Retired Member	Student	Life Member	Complimentary	Total
Algeria	2			1			3
Argentina		1					1
Australia		15	2	7			24
Austria		5	3	2			10
Belgium		5	1	7			13
Brazil		5	1				6
Canada	1	18	6	9	1		35
Chile		1		2			3
China	1	15		4			20
Colombia		1					1
Czech Republic		2	1	1			4
Denmark		2	1		1		4
Estonia		1					1
Finland		3					3
France		24	8	6	3		41
Germany		61	15	8	4		88
Greece		1					1
Holy See (Vatican City State)		2					2
Hungary		3					3
India	2	2	1	3			8
Indonesia		1					1
Ireland			1				1
Italy		9	1	1			11
Japan		73	10	19			102
Jordan	1						1
Korea, Republic of		4		2			6
Latvia				1			1
Luxembourg			1				1
Malaysia		1					1
Mexico		1					1
Morocco	4						4
Netherlands		4	1	1			6
Norway		2					2
Oman	1	1					2
Poland		3	1				4
Portugal		1					1
Romania	1						1
Russian Federation		12		3			15
Slovak Republic		1					1
South Africa, Republic of		2		1			3
Spain		6	1				7
Sweden		4		1			5
Switzerland		14	7	5	1		27
Turkey		2		3			5
United Arab Emirates		1					1
United Kingdom		33	4	16			53
United States of America		282	89	28	19	4	422
Uruguay		1					1
<b>48 Countries</b>	<b>13</b>	<b>625</b>	<b>155</b>	<b>131</b>	<b>29</b>	<b>4</b>	<b>957</b>