

<http://meteoriticalsociety.org>

## MESSAGE FROM THE PRESIDENT



Dear Meteoritical Society Members,

We have been watching, with the rest of the world, the unfolding race-related events in the United States and the resulting turmoil. This brings home to us, yet again, that we have a ways to go before we achieve the just and equitable world that we all aspire to. If unacknowledged and unchecked, discrimination and injustice can enter any organi-

zation or community – and it can destroy the very foundations upon which we build our future.

We are a small society, but our membership is diverse and spans the globe. As an international scientific society, and per our position statement on inclusiveness (<https://meteoritical.org/society/governance/position-statement>), the Meteoritical Society is committed to a diverse and inclusive community that promotes the well-being of all its members. We realize that change comes with both small and bold steps in the right direction. As an example, we have asked our Endowment Committee to proactively consider supporting initiatives and programs that promote diversity, equity, and inclusion in our community. We affirm that discrimination and injustice have no place at the Meteoritical Society, in science, or in society as a whole. I am confident in our ability to be a force for science, a force for good, and a force for positive change in society.

It is our hope that we come together as colleagues and friends to support one another and to support others in our communities beyond our society. Science, scientists, and science advocates are going to be an absolute necessity to ensure that we successfully navigate these challenging times together.

**Meenakshi Wadhwa**

President, The Meteoritical Society

## 2020 METEORITICAL SOCIETY TREASURER'S REPORT



Despite the financial losses of last year's phishing scam, the society's finances continue to be on a sound footing; both the Operating Fund and our Investment Fund are currently very healthy. A large portion of the operating budget relates to publishing *Meteoritics and Planetary Science (MAPS)*, our international monthly journal of planetary science which covers topics including the origin and history of the solar system, the planets, natural satellites, interplanetary dust, 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 typically exceeds 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 *Elements*. Membership with subscription to only the electronic version of *MAPS* is a popular option, although many of our members still purchase the print version. To keep up with rising publication costs, dues for members desiring the print copy of the journal were raised this year. Collection of membership dues for 2021 will begin in October 2020. I would like to encourage members to pay their dues in a timely manner, because this helps greatly with financial planning.

Our Investment Fund, which includes a number of endowed funds, continues to do well. The Nier Fund supports the annual Nier Prize, which recognizes outstanding research by young scientists in meteoritics and closely allied fields. The 2020 recipient is Dr. Thomas Krueger

of the Lawrence Livermore National Laboratory (California, USA). The Gordon A. McKay Fund supports the McKay Award, which is presented to the student who gives the best oral presentation at the society's annual meeting. The 2019 award was given to Dana Lacznik of Purdue University (Indiana, USA). The newly established Jessberger Fund supports the Elmar K. Jessberger Award, which recognizes outstanding research in the field of isotope cosmochemistry by a mid-career female scientist. The Jessberger Award will be awarded for the first time at the 2021 meeting in Chicago (Illinois, USA).

The society also has two endowed funds that supports travel to our annual meetings. The Travel for International Members (TIM) Fund supports travel for members from low-income countries, while the O. Richard Norton Fund, which is generously supported by John H. and Dorothy Norton Kashuba, supports travel for early career scientists. We thank Tim Swindle for his generous annual donation to the TIM fund. Member contributions to these funds during the 2020 fiscal year will provide support for travel to the 2021 and 2022 meetings in Chicago and Glasgow (Scotland, UK), respectively.

The General Endowment Fund supports a variety of outreach projects. Over the last year, this fund provided support for what would have been the 2020 workshop entitled Data Analysis for Planetary Sciences, to be held in Antofagasta (Chile) but which is now scheduled for 2021. The General Endowment Fund also supports the newly created ATTARIK (All Together Taskforce for Advancing Research Innovation and Knowledge) Foundation for Meteoritics and Planetary Science (at the Hassan II University of Casablanca in Morocco), which aims to support and promote planetary science in the Arab world and in African-continent countries. Endowment funds were also used to support travel for students to attend the Meteoritical Society meeting in Sapporo (Japan). We always welcome suggestions and ideas for ways in which the General Endowment Fund can be used to promote the goals of the society and to enrich its activities.

In addition to major contributions, a total of \$14,970 was donated to the various funds by you, our generous members. Over 250 separate donations were received this fiscal year. Your generous contributions provide the direct support that helps to strengthen our international community.

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.

## ERRATUM TO COMMITTEE REPORT

In the April (v16n2) issue of *Elements*, we neglected to include the three ex-officio members of the Meteorite Nomenclature Committee in the section that thanked the society's committee members. We apologize for this omission and wish to fully acknowledge the contributions made to the society by Jérôme Gattacceca (Editor of the *Meteoritical Bulletin*; CEREGE, France), Jeff Grossman (Database Editor; Planetary Science Division, NASA) and Brigitte Zanda (Meteoritical Society Vice President; Muséum national d'Histoire naturelle, Paris, France).

## ANNUAL MEETING SCHEDULE

<b>2020</b>	Glasgow (Scotland, UK) – postponed
<b>2021</b>	14–21 August, Chicago (Illinois, USA)
<b>2022</b>	15–19 August, Glasgow (Scotland, UK)
<b>2023</b>	Dates TBD, Perth (Australia)
<b>2024</b>	Dates TBD, Brussels (Belgium)

## 2020 MEMBERSHIP REPORT

As of May 2020, the Meteoritical Society comprises 577 regular members, 75 students, 171 retired members, 3 life members, 11 members from developing countries, and 4 complimentary members (see MEMBERSHIP TABLE; note that the 4 complimentary members have not been included). This brings us to a grand total of 841 members. Many thanks to Everett Johnson and Tasha Dunn for providing these statistics. We have members in 44 countries; however, the statistics show that we still have a lot to do to gain members in many other countries and to increase the number of student members. Student memberships remain an inexpensive US\$40, and we 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, providing 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 has a mechanism in place to subsidize the annual dues for members in low-income countries. Prior approval is required from the Membership Committee for this rate, so please refer to our website <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 web page at [www.meteoriticalsociety.org](http://www.meteoriticalsociety.org).

## WINNER OF THE PAUL PELLAS/GRAHAM RYDER AWARD

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.



**Sabina D. Raducan**, currently a PhD student in the Department of Earth Science and Engineering at Imperial College, London (UK) is awarded the 2020 Pellas–Ryder Award for her paper “The Role of Asteroid Strength, Porosity and Internal Friction in Impact Momentum Transfer” (2019, *Icarus* 329, 282-295). Sabina has been part of NASA's Double Asteroid Redirection Test (DART) program investigation team, which examines the use of an impactor

spacecraft as a planetary defense against potential threats posed by Earth-crossing asteroids. She is supervised by Gareth Collins, and she applies the iSALE shock physics code to model the effect of asteroid properties (cohesion, porosity, internal fraction) on ejecta momentum distribution and to calculate the resulting deflection induced by the impactor. Sabina's important contributions to this study involved modifying the iSALE code to track high-speed early ejecta in a computationally efficient manner; she also modified the ejecta scaling laws. Her work will be essential in interpreting the results of the DART mission and, more generally, in developing a planetary defense against asteroid threats.

Country	Developing Country	Member	Retired Member	Student	Life Member	Total
Algeria	1			1		2
Argentina		1				1
Australia		14	2	4		20
Austria		5	3	1		9
Belgium		4	1	3		8
Brazil		3				3
Canada		17	7	6	1	31
Chile		1		2		3
China	1	10				11
Colombia	1					1
Costa Rica		1				1
Czech Republic		2		1		3
Denmark		3	1	1		5
Finland		2				2
France		21	8	4		33
Germany		57	11	7		75
Greece		1				1
Holy See (Vatican City State)		2				2
Hungary		1			1	2
India	2	1	1			4
Ireland			2			2
Italy		9	1	3		13
Japan		80	10	11		101
Korea, Republic of		3		1		4
Latvia				1		1
Lithuania		1				1
Luxembourg			1			1
Malaysia		1				1
Morocco	4					4
Netherlands		5	1			6
Norway		2				2
Oman, Sultanate of	1	1				2
Poland		3	1			4
Romania	1	1				2
Russian Federation		8		2		10
South Africa, Republic of		2				2
Spain		6	1			7
Sweden		3				3
Switzerland		15	7	2		24
Turkey		1		1		2
United Arab Emirates		1				1
United Kingdom		34	7	7		48
United States of America		254	106	17	1	378
Uruguay		1				1
<b>Countries (n = 44)</b>	<b>11</b>	<b>577</b>	<b>171</b>	<b>75</b>	<b>3</b>	<b>837</b>