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THANK YOU FOR VOTING

The Planetary Studies Foundation (PSF) would like to announce that James Hagen, Christina Hollis and Paul Sipiера will be a part of your 2017–2020 PSF Board of Directors. Congratulations to all! At the same time, you may wonder why it's important to vote for these candidates at all? The PSF by-laws give members the opportunity to voice their opinions and select individuals to guide PSF into the future. The PSF is an organization of 250 unique individual members from around the world and the by-laws state that we need at least 10% of our members to vote in the annual election. We are very fortunate that we have members who not only believe in the organization and want to volunteer their time, money and talent to run to be elected to the Board, but also those members who take the decision to vote seriously and cast their ballots either in-person, by mail or via-email. The PSF Board of Directors would like to give a special thanks to the following members who voted.

Bill Anders	Dino Milani
Leo & Karen Baran	Janet Moote
Carl & Louise Bryant	Ryan & Andrea Nolan
Cecilia Cooper	Lu Paglin
Heidi & Greta Dittmar	Marsha Prieboy
Jim Dole	Marilyn Quas
Tom Dunmore	Lawrence & Joan Reylek
Charlie Duke	Cathy Rudolph
Don & Victoria Franz	Kevin Sevey
Jeff, Judith & Philip Glenn	Paul, Diane & Caroline Sipiера
James Hagen	David Smith
Nancy Heggem	Patricia Tierney
Christina Hollis	Ellen Tsagaris
Steve Hoyer	Linda Virag
Tony Irving	David Weir
Candace Kohl	Herbert Windolf
Eugenia Krzyzanski	James Wotal
Janet Landato	Jack & Jane Yoder
Jerry Marty	

PRESIDENT'S MESSAGE

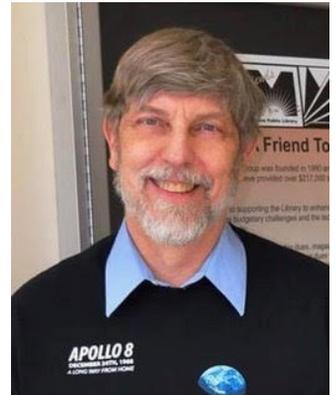
This summer has been one of the busiest periods in the Planetary Studies Foundation's 28 year history. It began in June with the Children's Summer Science Workshops, led by Diane Sipiera, that once again attracted some of the area's brightest 7-12 year old children. This year's workshop featured a mix of both cultural and scientific topics. Diane's enrollment included both returnees from previous years and many new students. The children are already looking forward to next year's workshops and offering their ideas for future programs.

In late July, our senior scientist, Dr. Tony Irving, presented several scientific papers at the 80th Annual Meeting of the Meteoritical Society in Santa Fe, New Mexico. These papers were based on the analyses of several important specimens from PSF's meteorite collection. Another important aspect of the summer was PSF's program to prepare the public for the August 21st Great American Total Solar Eclipse. As part of our educational mission, PSF offered regional educational institutions informative presentations on how and where to observe the eclipse. Various libraries and museums from Davenport, Iowa to Elmhurst, Illinois took us up on our offer. By August 14th we were able to instruct over 2,000 people on how to safely view both the total and partial phases of the eclipse. In addition, I was interviewed about several eclipse-related topics on Frank and Kim Carmichael's *Happenings Q & A* radio program from Kenosha, Wisconsin. As for the eclipse itself, PSF members were viewing it from scattered locations from Oregon to Kentucky. PSF members also did a live radio interview during the eclipse from Ravenna, Nebraska sharing with the Carmichael's radio show their thoughts and emotions.

The summer season officially ended with the well-attended September 9th Annual Members Meeting at the Woodbine Bend Golf Course. Members enjoyed a delicious luncheon, an informative and entertaining program presented by Dr. Tony Irving on lunar and Martian meteorites, and the official review of PSF's 2016 and 2017 activities to-date. For the first time we will be including the PSF Annual Budget in this newsletter. Normally the new budget is presented at the Annual Members Meeting to those in attendance and not distributed to the entire membership. Requests have been made to change this approach in hopes that distant members will have the opportunity to contribute more once they are aware of our financial situation.

The one sad note to this otherwise exciting, eclipse-filled summer was the July 2nd passing of PSF Founder David M. Lauerman. His dedication to the organization's mission and "dry" humor will be sorely missed.

Paul P. Sipiera



THE TOTAL SOLAR ECLIPSE FAMILY TRIP TO NEBRASKA

DONOR'S SPOTLIGHT

The Lauerman – Rudoff Founder's Circle \$25,000 & Up

Willow Springs Charitable Trust

General Operations Fund

Jeff & Judith Glenn
Carolyn Mastroianni
Mark Rudy
Kevin Sevey
Paul & Diane Szipiera
Charlotte Stoehr
Linda Virag
John & Jane Yoder

MEMBER'S CORNER

Life Membership

Ben Hoefnagels
(Netherlands)

Renewing Family Membership

Carl & Louise Bryant
Frank, Kim & Brooke Carmichael
Karen Cazolas & Sheila Magnus
Jim & Sandy Napolitan
John & Jane Yoder

Renewing Individual Membership

Jerome Clair
Nancy Heggam
Lyle Johnsen
Mike Otte
Marsha Prieboy

New Family Membership

Ruth Hutchinson & Robert Brainherd

New Student Membership

Robert Picchiatti

We would also like to extend our deepest sympathies to all of the PSF families who were affected by the hurricanes Harvey and Irma.

IMPORTANT ANNOUNCEMENT

One of the featured items presented at this year's Annual Members Meeting was the announcement of the PSF's donation of its world-renown meteorite collections to the Yale Peabody Museum of Natural History in New Haven, CT. After more than eighteen months of intense negotiations with representatives of the Yale Peabody Museum, the PSF Board of Directors approved a December 2016 letter of intent to donate our meteorite collections and related materials to them. This decision to donate our meteorite collections has a much longer history than the apparent 2016 date.

In 2007, several Executive Board Members brought up the issue of PSF's responsibility to the DuPont family to preserve and protect for posterity the over 1,000 James M. DuPont meteorites. It was just as apparent then as it is now that PSF does not have the infrastructure and financial base to guarantee the safety of these meteorites. Some form of partnership with a major museum seemed to be the only logical choice. It was decided that PSF should begin a search for an appropriate museum that shared our philosophy to preserve and protect these scientifically important meteorites and insure James M. DuPont's legacy as the premier meteorite collector of his era. The search for a proper partner has not been easy, but in May 2015 our senior scientist, Dr. Tony Irving, mentioned the possibility of the Yale Peabody Museum. The final selection of the Yale Peabody Museum was based on its scientific and historic reputation as a leading institution dedicated to the preservation and utilization of its important and extensive collections of natural history specimens.

The following background information is provided to help fully comprehend the importance of this donation to the Yale Peabody Museum of Natural History.

The Planetary Studies Foundation's meteorite collections consist of several components. The premier collection is the world-renown James M. DuPont Collection of over 1,300 total meteorites. This collection was amassed by Jim DuPont from the early 1950's up to his death in July 1991. At the time of his passing Jim had acquired a representative sample for 1/3 of all the classified meteorites in the world. They were proudly displayed in the basement of his home in Watchung, NJ. His collection included many historical pieces as well as

some of the more scientifically important specimens like the Martian meteorites that appeared in the late 1980's. Jim was always open to purchases and trades to increase his collection and freely provided scientists with meteorites that they needed for their research. In 1995, Jim's widow, Violetta J. DuPont, donated his magnificent collection to the PSF. It was her intent for the PSF to both preserve and protect for posterity the scientific value of these meteorites and Jim's legacy. In 1995, inspired by Jim DuPont's enthusiasm for collecting, the PSF embarked on its own collection building program. This would include our own 1998, 2000, and 2002 Antarctic Search for Meteorites expeditions and cooperative collection efforts with our European colleagues. Also, as part of this collection, are over 150 meteorites that were classified and donated by PSF member, Dr. Ted Bunch. From 1995 to the present, our PSF Meteorite Collection has grown to over 1,300 distinct specimens. This collection mainly consists of type specimens that were used in the classification and the name approval process for these meteorites. PSF is also recognized by the Meteoritical Society as a repository institution for meteorite type specimens.

The transfer of the PSF meteorites to the Yale Peabody Museum will be accomplished in two phases. The first phase took place on June 8th when Yale Peabody representatives came to our Earth & Space Museum in Elizabeth, IL to pack and ship the DuPont meteorites and related materials to New Haven, CT. This was followed-up a month later by a trip to New Haven by Paul and Caroline Sipiara to help the Yale Peabody staff unpack and inventory the over 1,300 DuPont meteorites. This phase of the transfer was completed with great care and efficiency. The second phase is



PAUL & CAROLINE SIPIERA AT
YALE UNIVERSITY

scheduled to be completed in the spring of 2019. When completed, the combined Yale Peabody, DuPont, and PSF meteorite collections will place the Yale Peabody Museum in the top ten meteorite collections in the world. Although the DuPont and PSF meteorite collections will be components of the inclusive Yale Peabody Collection they will be recognized for their individuality and scientific importance. This will assure that the legacies of both James M. DuPont and the Planetary Studies Foundation will be preserved for all time. In addition to assuring the preservation and protection of these two collections, the Yale Peabody Museum has also agreed to provide an appropriate facility to archive historic DuPont meteorite correspondence and library materials. In the end, PSF could not find a better home for our meteorite collections and for the opportunity to participate in cooperative research with a world-class museum and university staff.

IN MEMORIAM

BY PAUL P. SIPIERA

On July 2nd the Planetary Studies Foundation lost a dedicated friend and one of the founders of our organization. David M. Lauerman passed away on that day after a short, but difficult battle with cancer. Dave was my very close friend for over 47 years and we both shared dreams of making impossible things happen.

I first met Dave in January 1970 at Northeastern Illinois University in Chicago, IL. He was just returning from his 13 month service in Vietnam and I was a new third-year student. Perhaps we were both rather awkward in our approach to education and each had a need to join some kind of formal organization. We first met as pledges for the Tau Kappa Epsilon social fraternity. One of the main reasons for joining was the opportunity to participate in various sports activities. Intramural football and basketball provided some interesting memories for Dave and I. As pledges for those first months, Dave and I went through “hell” together serving the needs of our fraternity brothers, but it built a life-long bond between us. This carried us through times of both joy and sadness all the way up to the very end.

Dave’s involvement with the PSF began with the actual “Day One”.

It all began over a couple of cocktails in Tucson, AZ in the Fall of 1987 with talk of creating a wonderful planetarium facility for Harper College in Palatine, IL. At that time, I was an Associate Professor at Harper College and Dave worked in Shipping and Receiving. Together

we recruited a few other Harper “dreamers” named Mary Becker, Ray Moehrlin and Meyer Rudoff to join us in our endeavor. Our goal was to build a state-of-the-art planetarium complex that would also feature meteorite studies. To accomplish this, we created the Planetary Studies Foundation, a not-for-profit organization, to raise the necessary funds. Although we came close to raising 12 million dollars on a couple of occasions, it never happened for various reasons. Our wonderful organization did succeed in many ways that we never imagined back on that Tucson patio in 1987.

Eventually the PSF did become internationally recognized for its three Antarctic expeditions, world-class meteorite

collections, the Karl G. Henize Astronomical

Observatory at Harper College and its astronaut associations. Throughout his life, Dave always felt bad about the fact that we could not achieve our planetarium dream.

In his personal life, Dave had to deal with the death of his wife Karen and the raising of their two children, Jill and Owen. Dave was a Marine combat veteran of the Vietnam War and we would always “kid” him about the Marine Corps flag and stickers all over his car. During his time as a resident of Elizabeth, IL he made many friends. Dave had a devoted group of local children who knew him as “Cool Dave” for the way he interacted with them. The community was truly saddened by his passing and will always remember him as a friend. Dave was also a part of the Sipiera family and my daughters were very involved in his life. Paula would help give him his Marine-style haircuts, Caroline and Dave would constantly tease each other, to Andrea he was always Uncle Dave, and my wife, Diane, became his confidant. We will all miss him dearly.



PAUL AND DAVE AT THE INDEPENDENCE PARADE IN GALENA

2018 PSF BUDGET

For the first time, we're including the organization's 2018 budget in the newsletter to the broad membership. Normally, the annual budget is only presented to those in attendance at the Annual Members Meeting, but requests have been made by the Board of Directors and members to change this approach in hopes that all members will have the opportunity to better understand the financial situation and consider various ways to provide more support.

FACILITY EXPENSES

1876 Banwarth House & Museum House:	
(\$8,000 payable through a Restricted Funds Grant)	0
Staff =	3,500
Property Tax =	3,000
Insurance (off-site locations included) =	3,000
Utilities =	700
Security =	500
Marketing =	<u>2,300</u>
Maintenance & Misc.	\$13,000

Sub-total

II. GENERAL OPERATING EXPENSES

(\$30,000 payable through a Restricted Funds Grant)

Earth & Space Science Museum

Staff:	5,000
Administration =	
Education Specialists:	21,500
a) Science in Our Changing World Program (inclusive staff) =	<u>3,500</u>
b) Five Summer Children's Science Workshops =	\$30,000

Sub-total

Facility:	15,600
Rent =	700
Security =	700
Internet Services =	1,000
Office Supplies/Maintenance =	600
Postage =	2,000
Newsletter =	

Marketing:	400
Rack cards =	200
Media =	300
Promotions =	2,000
Meteoritical Society Student Travel Grant =	

President's Office:	1,000
Discretionary Fund =	<u>500</u>

Firebaugh Observatory:	\$25,000
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Sub-total

Meteorite Research:	
(\$12,000 payable through a Restricted Funds Grant)	6,000
Analytical services—University of Washington =	2,000
Sample preparations—Probe sections =	<u>4,000</u>
Travel—Professional meetings and presentations =	\$12,000

Sub-total

\$80,000

ANTICIPATED INCOME

I. Membership =	2,000
II. Educational Programs, Admissions & Starlab =	8,000
III. Donations and Contributions = ((\$50,000 from a Restricted Funds Grant))	68,000
IV. Bank Interest—CD & Checking =	<u>2,000</u>
TOTAL	\$80,000

Reserve Accounts:

Illinois Bank & Trust—5 year CD long-term reserve = (long-term Oct. 2019 interest \$7,500 not accounted for)	100,000
Apple River State Bank—1 year CD for Banwarth reserve =	60,000
MB Bank—1 year CD for emergencies =	<u>10,000</u>
TOTAL RESERVE	\$170,000

OTHER POSSIBLE INCOME

METEORITE RESEARCH BASED ON 40 METEORITES

Analytical Expense:

Electron microprobe at University of Washington =	4,400
Probe section preparation from Spectrum Petrographics =	<u>1,600</u>
Sub-total	6,000

Analytical charges for all customers:

\$150 per specimen x 40 =	6,000
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KEY TAKEAWAYS

- The PSF is small, but mighty. The PSF tries every year to do a lot with a little. From meteorite research, to lectures and children's programming, to running three facilities, a lot of what gets accomplished is done with minimal capital. Imagine our reach and impact with additional funding!
- The majority of PSF's income comes from one generous grant. However, this grant is set to expire in 2019 and the financial future is uncertain. Anticipated income for 2018 is less than \$30,000 from membership dues, donations and contributions and other program fees combined.
- When the PSF team sends out communications about year-end giving or to renew your membership, we hope you consider the work we do when deciding to contribute to our mission. We understand choosing between good causes can be difficult, but rest assured, every dollar given to the PSF goes straight to the cause. During the year-end giving campaign, we even provide the option to choose exactly where you want your money to go!

Questions or ideas?

Contact Diane Szipiera at (815) 858-2014 or dszipiera@planets.org

THE CHILDREN'S SUMMER SCIENCE WORKSHOPS WERE A SUCCESS

This year's Children's Summer Science Workshops were a great success. The workshops that were offered were *Flavor of Europe*, *Geology Week*, *Cultures from Around the World*, and the always favorite, *Space Week*. Talented and curious students came from all over—Freeport, Scales Mound, Stockton, Hanover and Elizabeth, Illinois. For PSF members who are not familiar with these towns, some of these children traveled close to an hour to participate. These children, grandparents and parents are very devoted to science education and PSF's mission.

For *Flavors of Europe*, we would like to thank Jan Susner who helped with the daily artwork ideas for various countries. Also, Julie Bryan helped design healthy snacks for the children each day, and a very special thank you to Janet Moote and Christina Hollis for bringing in various souvenirs, pictures and videos from around the world.

For *Cultures from Around the World*, PSF meteorite scientist, Tony Irving, spoke to the children about his birthplace of Australia. Paul Sipiera brought in various Egyptian artifacts so that children could touch various oil lamps, scarabs and ushabtis. In total, the children learned about the countries of Mexico, Egypt, China and Australia. The children seemed fascinated during the lectures and activities.

Geology Week was exciting because students studied various rocks, minerals and of course meteorites. One of the afternoons, Paul Sipiera had the children break off in groups. Their task was to take down detail notes of weight, visual descriptions; and orally try to persuade the other junior scientist which one of the five rocks was actually a meteorite. Besides PSF sharing our rocks and minerals to these children, many of our students had their own personal rock and fossil collections to share. Beth Baranski taught the children about how important watersheds are for communities. Beth brought in a table game that helped these children visualize and helped with higher thinking skills. She was amazed by their math skills.

Probably the most exciting thing that ended the summer programs was the building of the Mars Colony

during *Space Week*. Students shared tents and had to prepare for a one day habitat. They had to make sure they had enough food, various experiments to initiate, reading material, and other activities to keep them busy for four hours. While inside, the children began to take notice of various changes. For example, many of the students realized how their body heat raised the indoor tent temperature. They thought it was a pretty cool discovery!

Also that week the children learned about the Great American Total Eclipse. We had two groups of children who made observation stations for their partial viewing. These stations were on display at the 2017 Annual Members Meeting. The Planetary Studies Foundation Board of Directors would like to thank all the summer volunteers and presenters. Finally they would like to thank Liz Scott who has worked with Diane the past two summers in creating memorable children's programs and to high school freshman, Greta Dittmar, who volunteered her time.

MARS MISSION





WORLD CULTURES

SCIENCE EXPERIMENTS



THE MEMBERS MEETING'S BIG WINNERS



Willow Springs Foundation, accepted by Jenny Stoddard

Lauerman-Rudoff Founder's Award



Patricia Tierney

***James Paglin
Volunteer Service Award***



Philip Glenn and Evelyn Walters

***Junior Scientist Award
for participating in 10 or more children's workshops***



Janet Moote

***Karl G. Henize
Dedicated Service Award***

2017 Appreciation Certificates

Bob, Heidi & Greta Dittmar
Jim & Pam Dole
Tom Dunmore
Don & Vicki Franz
Jeff & Judith Glenn
Christina Hollis

Steve Hoyer
Lyle Johnsen
Janet Moote
Mike Otte
Max & Martha Purchis

THE TOTAL SOLAR ECLIPSE REPORT

We reached out to some of our members to see what they did for the Great American Total Solar Eclipse. Read their reports below!

BILL ANDERS, OREGON



I was 35 miles east of Madras close to centerline atop Grizzly Peak 2500 feet above surrounding terrain. I had a 280 degree view with slight smoke, but no traffic. The eclipse faked a few bats out of their nests. Spiritual!

JIM DOLE, NEBRASKA



We had an awesome time with the eclipse. We didn't take a lot of pictures of the eclipse (at least directly), our primary interest was to witness the event. Totality was about 2min 30sec. Totality was an awesome experience.

JERRY MATHERS, CALIFORNIA



We had a wonderful morning experiencing with the eclipse today. It was a very clear day here and we had an unobstructed view of the historical event.

CATHY RUDOLPH, WYOMING



We saw the eclipse in Wheatland. The skies were clear. My friends were delighted it was the first one for them. The eleventh for me. Totality was about 1 minute. We could not get a hotel room in the path of totality, but stayed in Chugwater which was about 25 miles from totality in Wheatland. Everything worked out well.

HERB WINDOLF, ARIZONA



A neighbor-friend joined me on my deck, but by the time of the greatest coverage, 70%, an almost continuous cloud cover had advanced. Before that, we were able to catch some glimpses. I believe a 70% coverage is no comparison to a total. There's still too much light coming from the sun from the remaining 30% causing a slight dimming but no "darkness." Ah well!

MEMBERSHIP FORM

Regular Membership ___ \$ 20.00 1 year or ___ \$ 35.00 for 2 years
 Family Membership ___ \$ 35.00 1 year or ___ \$ 60.00 for 2 years
 Sponsoring Membership ___ \$ 50.00 1 year or ___ \$ 90.00 for 2 years
 Contributing Membership ___ \$ 100.00 1 year or ___ \$180.00 for 2 years
 Student Membership ___ \$ 10.00 1 year
 Life Membership ___ \$ 500.00
 Please accept this donation ___ \$ _____

Name: _____
 Address: _____
 City: _____
 State: _____ Zip Code: _____
 Email: _____
 Phone: _____

Please make checks payable to
Planetary Studies Foundation

Please mail the membership form
 along with a check to:

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 10 Winterwood Lane, Unit B
 Galena, IL 61036

SELLING ORIGINS OF THE SOLAR SYSTEM

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CERTIFIED METEORITE INTERNATIONAL
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