

Volume 29.1  
Spring 2019  
First Quarter

# PSF NEWS

Planetary Studies Foundation

## IN THIS ISSUE

---

### PRESIDENT'S MESSAGE

PAGE 2

---

### MEMBER'S SPOTLIGHT

PAGE 4

---

### METEORITE AUCTION

PAGE 6

---

### FIREBAUGH OBSERVATORY OPEN HOUSE

PAGE 7

---

## 50th Anniversary of Moon Landing



*"That's one small step for man. One giant leap for man-kind."*

Many of our PSF members know exactly where they were when Neil Armstrong and Buzz Aldrin took their first steps on the moon July 20, 1969.

This was a world event to all man kind. This summer various museums and libraries throughout the US will be participating in the celebration.

For more information, please check your local libraries and museums to find schedules of events.



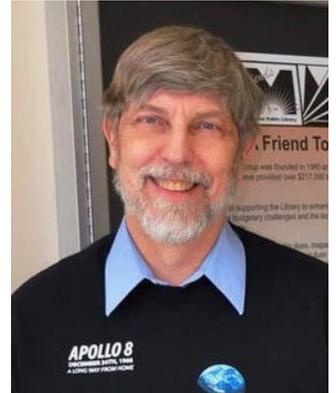
Neil Armstrong, Michael Collins & Buzz Aldrin



Apollo 11 Lunar Lander

# PRESIDENT'S MESSAGE

The first quarter of 2019 got off to a very good start but then the “forces of nature” took over and dealt us a minor set-back to our plans. It was our intention to have the new facility at 152 North Main Street, Elizabeth, IL open to the public by March 1<sup>st</sup> but the late February weather had other ideas. The very severe rain, ice build-up on the roof and high winds created water damage to the ceilings above our office, conference and display rooms. This caused us to reposition the displays and office materials to drier places. Hopefully the necessary building repairs will take place in April. This situation brought back unpleasant memories of January 2014 when a water pipe froze and then a burst caused severe water damage to the kitchen and basement of our Banwarth House and Museum. Fortunately the damage to our present office is not that severe but it has totally disrupted our operational activities. On the brighter side of things, our meteorite research is doing very well. Senior Scientist **Dr. Tony Irving** and **Dr. Scott Kuehner** at the University of Washington in Seattle have added more than 50 new meteorites to PSF's research collection. This March Dr. Irving presented several scientific papers at the Lunar and Planetary Science Conference in Houston. In July he will also be presenting in Sapporo, Japan at the annual Meteoritical Society meeting. PSF is proud of our research scientists and the important contributions they continue to make to planetary science. Good news for our meteorite collecting members! There will be a huge meteorite auction taking place on **Saturday May 18th** at the Donley Auction House in Union, Illinois. Featured among the many interesting meteorites will be beautiful Semychan Pallasite specimens from the Christina Hollis Collection. This is a once in a lifetime event for both the beginning and established meteorite collectors.



Despite the weather our 1876 Banwarth House & Museum has been open on Saturdays. Although the attendance has been low, those visitors who braved the weather thoroughly enjoyed their tours. We were pleased to welcome visitors from Missouri, Wisconsin and central Illinois. Looking forward to spring, PSF will once again be observing the nighttime sky. I would like to invite our members and their guests to attend the annual Open House event on April 27th at our *Doug Firebaugh Astronomical Observatory* in Freeport, Illinois. It is always a great opportunity to enjoy the facility and meet with our astronomers. **Jim Dole** and his staff are looking forward to another exciting viewing season that meets on the first and third Saturdays from May through October. PSF personnel will also be in attendance at the **May 3rd – 5th** North Central Region of the Astronomical League's 2019 Conference to be held at the Stoney Creek Hotel & Conference Center in Moline, Illinois. The list of guest speakers is very impressive and there will be ample time for actual nighttime viewing. This conference is open to the public and specific details can be found at <https://ncral2019.org/>.

In closing, I would like to mention that on February 8<sup>th</sup> PSF officially completed **thirty** years of promoting science education and conducting scientific research in the fields of meteorite and polar studies. The continued encouragement and support of our membership has made all this possible and I look forward to what the next five years will bring.

**Paul P. Sipiery**

# DONORS' SPOTLIGHT

## 2018 YEAR END ANNUAL FUND

\*recognizes a donation of \$100 to \$499

\*\*recognizes a donation of \$500 - \$999

\*\*\*recognizes a donation of over \$1,000

### 1876 Banwarth & Museum

Connie Kahl\*

### Children's Summer Science and Internship Program

Carleton B. Moore  
Max & Martha Purchis  
Diane & Paul Szipiera\*\*\*  
Carolyn R. Walmann\*

### Douglas Firebaugh Astronomical Observatory

Doug & Audrey Firebaugh  
Pamela Pipkin

### Meteorite Research

Kathleen R. Butler\*  
Joan & Larry Reylek

## General/Operations Fund

Anonymous\*\*  
Leo & Karen Baran  
Cecilia Cooper  
Larry Fulfs  
Eugenia Krzyzanski\*\*  
Richard & Ellie Leary  
Albert & Audrey Ratner\*\*  
Linda Virag\*

## Spring 2019 Donations

### General/Operations Fund

Mary & Alan Becker\*\*\*  
Marilyn Quas  
Paul & Diane Szipiera\*\*  
Herbert Windolf\*

# MEMBERS' CORNER

## Renewing Members

### Family

Dan & Victoria Franz  
Nancy Ricondo

### Individual

Wanona W. Ceisel  
Debbie Pausz  
Joseph K. Partoll  
Marilyn Quas  
Gerald Speer

# MEMBER'S SPOTLIGHT: Elizabeth Larson

**PSF – What college did you attend and what was your primary area of study?**

I attended the University of Iowa in Iowa City, IA where I received a Bachelor of Fine Arts (BFA): major in Graphic Design, minors in Ceramics and Life Drawing

**PSF – What is your current profession and what inspired you into that career?**

Owner/Graphic Designer at Larson Design Studio (Galena, IL). I design unique identity and promotional campaigns for local and national clients. Core projects include logo and identity packages, trade booth displays, brochures, newspaper ads, trade magazine ads, newsletters, menus, eNews graphics, websites, mobile APP development and package design.

I was the editor of my high school yearbook. The advisor encouraged me to pursue graphic design.

I am also the Art Director at the Galena ARC (Galena, IL). I develop and teach approximately 40 art classes throughout the year to: ARC preschool students, 6 to 14-year-old registration classes, Winter and Summer ARC camp students and to outreach programs. I also coordinate the Art in Action Art History Program at GPS (AIA): monthly art history lessons to k-4th grade, organize the GPS AIA Artist's Expo and AIA 4th grade field trip to Figge Art Museum. I conduct several fundraisers throughout the year and host art tables at community events. Once we move to our new larger location on Highway 20 I will develop cooking classes, music classes, Saturday drop-in family art classes, pottery classes and an art club for middle school students.

I love inspiring youth to explore their creative side. As the arts get slowly taken from our children's daily school schedule I am trying to help fill that void in their arts education. The arts don't just develop a child's creativity—the skills they learn because of them spill over into academic achievement. Involvement in the arts is associated with gains in math, reading, cognitive ability, critical thinking, and verbal skill. Arts learning can also improve motivation, concentration, confidence, and teamwork. I see these gains in my students and it is encouraging.

**PSF- What is your favorite area of science and why do you find it so interesting?**

The study of how our carbon footprint leads to global warming, because the effects from global warming are becoming dire. Our actions and lifestyle effects on the environment are getting out of control. In this current era of



industrialization, our carbon emissions are on the rise and effective solutions must be found, and quickly, before the damage is irreversible.

**PSF – How did you become involved with the Planetary Studies Foundation?**

I have been to programs over the years about Antarctica trips, toured the PSF museum as well as the Banwarth House & Museum. Last Summer my daughter, Evelyn Larson, started working for PSF. She helps Paul with the meteorite collection as well as Summer camp and events at the Banwarth House & Museum with Diane.

**PSF - What is one thing you like most about being a member of the Planetary Studies Foundation?**

The pot luck trivia events. I haven't won a round of trivia yet but there is always hope for the future! It is nice to visit with other members and get to know them.

**PSF - You and your husband, Craig are quite involved with the community, what are some things that you have both done?**

Craig and I were both founding members of the committee that helped develop the Galena Bike trail back in 1994. We volunteer to help with several Galena events throughout the year. I was on the Friends of Galena Public Library board for several years. I was also on the committee for Youth Arts Festival for 3 years. Craig currently serves on the Dubuque Postal Employee Credit Union board.

**PSF – What are some of your hobbies?**

Currently I do not have a lot of extra free time to indulge in hobbies. But I like to sew, read and travel.

**PSF- -Where is your favorite place you have traveled and what makes it so memorable?**

Norway. Craig has family in Norway. He has been there several times and lived there for a short while. I have been there just twice. One time while visiting friends in Norway we helped rustle up sheep in the mountains. Our friends, Hans Ove and Liv Inger Maeland, have a farm in the mountains in Hjelmeland near the farm of Craig's ancestors (his family no longer farms in this area). During the summer sheep farmers let their sheep free range roam near the mountain top. All the local farm's sheep commingle during the Summer. During this visit it was Fall and Hans Ove had a few sheep that didn't come down with the rest of the pack for the winter so we had to go get them. It was a couple of hours hike up the mountain to where the sheep had been spotted the day before by a neighbor. Once we found them we cornered them, easier said than done, and started them on the trail back down the mountain. Once they were on the trail they just calmly walked single file back to the farm by themselves, we did not have to stay with them. We stopped by a mountain stream for lunch. Liv Inger pulled a tea kettle from her backpack and we built a fire and had hot tea using water from the stream. On the way back down the mountain we passed the Summer cabin that was owned by Craig's ancestors. It was a tiny log cabin with a grass roof from the 1800s. When we returned to the farm the sheep were waiting for us to open the gate to their pen. Amazing how smart they were to make it down the mountain and back to the farm by themselves. The trail is not marked or distinct and it is a few miles long.

**PSF – You have two daughters, what area of science are they involved with?**

Padgham is 21 and attends North Central College in Naperville, IL. She is studying Environmental Science and is also getting a minor in music. She sings with the college choir and will be singing at Carnegie Hall in New York City in March. Upon graduation she has aspirations of working for a National Park. She interned with the Jo Daviess Conservation Foundation last Summer. This Summer she will intern with the Galena River Watershed studying the management of our groundwater resources and developing an educational children's book about the Galena River Watershed.

Evelyn is 17 and a senior at Galena High School. In the Fall she will be attending Yale University in New Haven, Connecticut. She plans to have a major in Geophysics and Geology with the aspirations of becoming a Planetary Geologist. She intends to continue working with and studying the meteorites that PSF has donated to the Yale Peabody Museum.

**PSF- What advice would you give to our young readers and science enthusiasts?**

Read about all forms science (past, present and future). Investigate science principles. Be the change.



Elizabeth's daughter, Evelyn, with Stefan Nicolescu last summer at Yale University playing with PSF's very own James DuPont collection.



Elizabeth's eldest daughter, Padgham.

**Donley  
AUCTIONS**  
815.923.7000

# METEORITE AUCTION

MAY 18, 2019  
UNION, IL

**World's Largest EL4  
Chondrite 17,208 g**



Extensive Collection  
of Semychan  
Canyon Diablo  
Campo del Cielo  
Gibeon Slices  
Sikhote Alin  
Classified NWA Chondrites  
Lunar and Martian Specimens  
and MUCH MORE!



For more information visit:  
[www.DonleyAuctions.com](http://www.DonleyAuctions.com)

From the Private Collections of  
Christina Hollis and Lawrence Hubbs.  
Authentication by Dr. Paul P. Siphera  
and Dr. Anthony J. Irving  
Proceeds benefit Planetary Studies Foundation

**Still accepting quality consignments - 815-923-7000**

# Annual Open House



**Doug Firebaugh Observatory**

**Saturday April 27th, 2019**

**11:00AM-4:00PM**

**2392 W. Stephenson St.**

**Freeport, IL**

- **Tour the Observatory**
- **Meet the Staff**
- **See Telescopes and Equipment**
- **Numerous Displays and Information**
- **Safe Solar Viewing (Weather Permitting)**



**For More Information Call:  
(815) 291-3072**

**Public Observatory**  
**1st & 3rd Saturday of Month**  
**May through October**  
**8:00PM**  
**(Open Cloudy or Clear)**

The staff of the Doug Firebaugh Observatory will be hosting our annual open house. Tour the observatory buildings and see the telescopes used during observing sessions. There will be various astronomy displays, information, and handouts. Weather permitting, we will have safe viewing of the Sun. Join the observatory staff as we prepare for a new season of public observing. See you at [#FirebaughObservatory](https://twitter.com/FirebaughObservatory).

# 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:

Planetary Studies Foundation  
10 Winterwood Lane, Unit B  
Galena, IL 61036

“Our mission is to promote the study of planetary science and astronomy with emphasis on meteorites; and to sponsor, encourage, and assist in the physical, astronomical, environmental, and cultural sciences so as to broaden man's knowledge of all phases of the universe.”

