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50th ANNIVERSARY OF THE 1969 LUNAR LANDING



Many of us can recall where we were on July 20, 1969. We remember where, who we were with, the sounds and excitement of everyone around us. We were all glued to our television sets to see those first footsteps on the moon. We can also recall Neil Armstrong's first statement, "That's one small step for man, one giant leap for mankind."

This summer the Planetary Studies Foundation will join a weeklong celebration to commemorate this special event. The PSF will be at the Galena Public Library on July 15, the Mount Carroll Public Library on July 18 and in the evening of July 20 at the Doug Firebaugh Observatory in Freeport. To find out exact times, please contact those facilities. To learn more about events near you, check your local libraries and museums.



REMINDER! Don't forget to register for the annual Board Meeting on September 14th. Details on page 5

PRESIDENT'S MESSAGE

As the first half of 2019 comes to a close I am pleased to report that our transitional year is progressing well with new opportunities and continued success in our traditional areas of educational services and meteorite research. One major change that has occurred is the closing of our Earth & Space Science Museum in Elizabeth, Illinois. It was hoped that after we closed our doors at 115 North Main Street, we could reopen across the street in a smaller, but still impressive science museum. Unfortunately, due to conditions beyond our control, we simply could not open the facility to the public.

Our office and display areas were damaged by water from both weather and internal structural problems. Currently, the facility is being used only for administrative and storage purposes. Over the summer our Executive Board will evaluate the facility's condition and make a decision about renewing our lease. Down the street things are very different at our 1876 Banwarth House & Museum. Thanks to the efforts of Connie Kahl, our new volunteer facility manager, things are really "blooming". She has personally planted flowers and shrubs around the house to make it more attractive for visitors. Her enthusiasm for developing new programs is also welcome. We have been waiting a long time to have a person like Connie take charge and breathe new life into our old house. Our thanks to Connie and her husband Jim for supporting PSF in so many different ways.



Even though we no longer focus on a museum venue to promote science education, our efforts will continue and expand in a very familiar way. Astronomy has also been the scientific "backbone" of our educational mission. Since 1990, PSF has been an active supporter of the Karl G. Henize Astronomical Observatory at Harper College in Palatine, Illinois. In 2015 the PSF joined forces with local Freeport, Illinois residents to create the Doug Firebaugh Astronomical Observatory. Both facilities continue to provide excellent astronomical learning experiences for their respective communities. PSF also provides speakers and educational displays to schools, museums, libraries and community groups. At a recent astronomical conference in Moline, Illinois, PSF representatives were introduced to a very enthusiastic person named Grant Harkness. Grant is the Director of the Wilton Observatory Project in Wilton, Iowa. The project's mission is to build upon the school's existing science offerings and to provide an inspirational and instructional arsenal of astronomical technology for student use. One area they intend to focus on is the integration of meteorite studies into K through 12 curriculums. Its designers feel that the project may "raise the bar" for educational excellence and introduce students to many new pathways of exploration for the next generation of great explorers. PSF is very anxious and excited to serve as an educational resource partner in this ambitious project.

As we look back on the past 30 years let's not forget that it was PSF's original goal to build a planetarium complex at Harper College. As hard as we tried, we simply could not raise the necessary funds to make our dream come true. Seems if one waits long enough dreams can come true. Last November Harper College was successful in passing a tax referendum budget that included almost \$3 million for the construction of a planetarium. As a retired Harper professor of astronomy and geology, I may still see my personal dream of a planetarium come true during my lifetime. Hopefully Harper's new president, Dr. Avis Proctor, will place this project on her priority list for the benefit of her students and the enjoyment of the entire community. She can be assured that PSF will be there to offer its assistance.

Enjoy the summer everyone!

Paul P. Szipiera

DONOR'S SPOTLIGHT

General Operations

Anne Swan-Johnson
Diane & Paul Sopera
Paul A. Solarz

Banwarth House & Museum

Connie Kahl
Christy Lenaers

MEMBERS CORNER

RENEWING MEMBERS

Individual

Alicia Anzaldo
Steve P. Hoyer
George A. Johnson
Lu Paglin
Kevin Sevey
Harriet Stauffacher
Jan Susner

Student

Phoenix Baker
Serenity Baker

Family

Doug & Audrey Firebaugh
Randy Rice & Rebecca Shriver
Brett & Mary Beth Stark
Dan & Pam Tindell

Sponsoring Member

Joe & Bonnie Garriety

NEW MEMBERS

Individual

Ralph Winrich

Family

Grant & Katrina Harkness

A TRIBUTE TO OWEN GARRIOTT

The Planetary Studies Foundation would like to extend our condolences to the Owen Garriott Family. On April 15, 2019, the PSF lost Owen Garriott, a special life member and Antarctic explorer. Owen was a NASA astronaut who flew on Skylab 3 and Space Shuttle Columbia STS 9. PSF was very fortunate to be introduced to Eve and Owen Garriott through astronaut Byron Lichtenberg. After meeting that day, Owen became a catalyst to the PSF Antarctic Meteorite Recovery Program.



Owen, Eve, Robert, Marcy, and Richard Garriott along with Jim Schwade became the Planetary Studies Foundation 1998 Antarctic Expedition team. That team's focus was HAMM radio communication, an educational video of what it is like to live in Antarctica, and meteorite recovery. In 2000, once again the PSF wanted to form another expedition team to the frozen continent. This time it was Owen Garriott, Jim Lovell, Bill Gruber, Dave Butts, Adam Petlin, Amanda Onion, Richard Hoover, Jim Pritzker, Sharon Hooper and Paul Siphera. During this mission, Amanda Onion and Adam Petlin (Fox News) video recorded Jim Lovell's celebration of the 30th Anniversary of Apollo 13.

Owen was always willing to learn more about everything. He was constantly researching various topics and had a huge heart. Owen would invite the Siphera family to join his wife Eve and himself to his Huntsville, AL home so that Paul Siphera would be able to do research at Marshall Space Flight Center and to help develop displays for Space Camp. The Planetary Studies Foundation and the Siphera family will deeply miss Owen Garriott.

VOTE FOR THE 2019-2021 EXECUTIVE BOARD MEMBERS — In-Person on Sep. 14 or by Ballot and Proxy (Electronically or Included Insert)

MARY BECKER — Mary taught astronomy and physics at Harper College in Palatine, Illinois and Northeastern Illinois University in Chicago for many years. She and her husband, Alan, recently moved back to the Chicago area from Boston where she was a WorldWide Telescope Ambassador out of the Harvard-Smithsonian Center for Astrophysics. She runs Starryboards, LLC which produces full dome planetarium shows. In the past, Mary worked at and wrote planetarium shows for the Cernan Space Center in River Grove, IL and the Adler Planetarium in Chicago. She was involved with the founding of the Planetary Studies Foundation, the Karl G. Henize Observatory on Harper College campus and the original proposal for the Harper College planetarium. Mary has been a member of PSF from the beginning. She researched meteorites with Paul Siphera and hosted a cable Television program with Paul featuring Apollo 17 astronaut Harrison Schmitt. Mary holds a one-year appointment on the PSF board.

JIM DOLE — “My wife Pam and I live in and are natives of Freeport, Illinois. I had a great experience with spending six years in the United States Air Force. For the last eighteen years I've worked as the IT support for a local manufacturing company. Astronomy has been my hobby for over 45+ years and I have a MS in both Computer Information Systems and Astronomy. As a teacher of astronomy at Highland Community College and director of the Doug Firebaugh Observatory I'm very lucky to continue to share my passion for astronomy and promotion of science in the community.”

DOUG HICKS — “I am a geomorphologist resident in Auckland, New Zealand and was introduced to the Planetary Studies Foundation's activities during a visit to Illinois — for my friends Paul and Diane Siphera's wedding in 1993! — and have been a member ever since. My early career working for the New Zealand government entailed analysis of aerial photographs and satellite images (1976 – 1982), moving on to hydrological and soil conservation surveys (1983 – 1993). As an independent consultant (1994 – 2018) I undertook soil surveys, land management and planning advice for government, commercial and private clients. Membership of PSF has spurred my ongoing amateur interest in astronomy and planetary geology. Now retired since start of 2019, I welcome the chance to provide some time and support for our organization's activities.”

ANNUAL MEMBERS MEETING & LUNCHEON

SAVE THE DATE
SEPTEMBER 14
1:00 P.M.



Come join fellow PSF members for the annual members meeting! The PSF will provide hamburgers and chicken. Members should bring a dish to pass for the potluck luncheon. Please RSVP with the form below.

Please contact Diane Szipiera via email: dszipiera@planets.org, phone: (815) 858-2014 or fill out the form below and mail to: 10 Winterwood Lane, Unit B, Galena, IL 61036.

Name(s): _____

Phone: _____

Email: _____

I will bring:

Salad _____	Dessert _____
Appetizer/Side Dish _____	Drink _____

PSF-IN-ACTION

MAY 4

North Central Region of
Astronomical League NCRAL 2019



MAY 6

National Art Honor
Society – Echo Taylor



MAY 8

Galena Senior Award Night
Planetary Studies Foundation Internship
Scholarship – Evelyn Larson



WISHING GOOD LUCK AND SAFE TRAVELS to travels to Judith Glenn and the Glenn Family on their move to the East coast and best wishes for our new college students, Evelyn Larson at Yale University and Echo Taylor at Portland Community College! Congratulations to all and thank you for your years of support to PSF.



THINGS TO DO

Doug Firebaugh Observatory

July 6 — Moon Wax Cres.

July 20 Apollo 11 lands on Moon, 1969 —
Moon Wan Gib.

August 3 — Moon Wax Cres.

August 17 — Moon Wan Gib., two days
past full

September 7 Moon about 6 deg from
Saturn — Moon Wax Gib.

September 21 — Moon 3rd Qtr.

October 5 — Moon about 2 degrees from
Saturn, Moon 1st Qtr.

October 19 — Moon Wan Gib.



2892 W Stephenson St, Freeport, IL 61032
815-291-3072

History of Bathing Suits

Saturday, July 20, 1:00-2:00 p.m.

What did women wear before that it'sy bitsy bikini? Learn how bathing suits evolved from full length costumes to mere traces of fabric. From the Victorian bathing machine to the introduction of the bikini, this presentation is sure to make waves.



This presentation will be free to all guests. Please reserve a seat today by contacting Diane at dsipiera@planets.org or 815-858-2014.

Jewelry Making Workshop

Saturday, July 27th, 11:00-1:00 p.m.

For thousands of years, jewelry has captivated humans' imagination both artistically and religiously. Pharaohs and common people alike used jewelry to express their monetary value or individuality. A powerpoint presentation will be given to show how various precious stones and beads were used for color, texture, and design elements.

The price will be \$15 and includes materials.
Free to all PSF members.

Please reserve a seat today by contacting Diane Sipiera at 815-858-2014 or dsipiera@planets.org.



The above events will be held at the 1876 Banwarth House & Museum located at 408 E. Sycamore Street, Elizabeth, IL. Find more events at www.planets.org.

THE PSF MISSION

Our mission is to promote the study of planetary science and astronomy with an 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.

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

DON'T FORGET TO FOLLOW US
AND JOIN THE CONVERSATION!



Just search *Planetary Studies Foundation* or visit us at
www.planets.org and follow the links