

BULLETIN

"An organization of people interested in the Natural Sciences"



August 2024; Vol. 78, #6

President's Message

We announced last issue that this Fall, on Saturday, November 16th, we will host the **50th Annual RAS Fall Scientific Paper Session** at SUNY Brockport.



Campus from air, courtesy SUNY Brockport.

Here is the same offer we made last year available only for RAS members. You may do what our sections do and set up a **table** at NO charge to show off any interesting collections you might have made, such as fossils or minerals or arrowheads or whatever. You could show copies of photographs you have taken, or you could even show attendees how to do something, like pressing and preserving plants, dyeing using natural substances, using a microscope or telescope, or anything else from your science-based hobbies. If you prefer to present a talk or poster, we now call for RAS Member Abstracts. As a member of the Academy with scientific interests, you are invited to present a poster or short talk. Are you working on projects, have you made any discoveries or been active in a citizen science activity? Let us hear about it! Otherwise, plan to come to hear

about the latest local research in fields of interest to you.

We will be able to announce the keynote speaker for the event for our annual Larry King Memorial Lecture next month.

Save the Date!
Saturday, November 16th, 2024
RAS Scientific Paper Session
SUNY Brockport

You may register now at
<https://rasny.org/paper-session>.

I thank Theodore Lechman for volunteering to be an Abstract Editor for the Fall Paper session. More volunteers are needed.

Classified Advertisement ↓ Employment Opportunity ↓
RAS Scientific Paper Session Coordinators
Rochester Academy of Science, Rochester, NY. Part-time volunteer Registrar to receive registration emails from attendees from mid-September through mid-November and transfer data to registration spread sheet. Expected number of registrants is 300. Registrar sends spreadsheet to committee weekly. This job can be shared.

* * *

RAS at 25th ADK Outdoor Expo

We had several people from the RAS Astronomy Section, Fossil Section, and Mineral Section at the ADK Outdoor Expo in Mendon Ponds Park, Pittsford on June 8. Fred Haynes of Fossil section wrote, "We 'entertained' well over 100 kids and families on a very windy but otherwise pleasant day, but this is about the only picture I took worth much. Two youngsters are searching for a favorite fossil to take

home using magnifying glasses! Even an ad for the PRI book on Devonian Fossils by Karl Wilson in the extreme lower left!"



Photo by Fred Haynes.

Sarah Mastro, Expo Chair for the Adirondak Mountain Club wrote to us to thank us for putting on these three educational hands-on exhibits.

"On behalf of the Genesee Valley Chapter of the Adirondack Mountain Club, I would like to extend our thanks to each of you for attending our 25th ADK Outdoor Expo and making this event a success again this year... even with cooler temperatures and some persistent wind!

The Outdoor Expo would not be possible without organizations like yours which share our love of the great outdoors, our desire to protect/preserve wild places, and our goal of helping more people recreate safely and feel welcome!

We hope that you enjoyed your time at the Outdoor Expo and hope that you will join us again next year - our 26th Outdoor Expo will be held on June 14th, 2025.

Michael Grenier, RAS President

Events for August, 2024

NO AUG. SECTION MEETINGS FOR:

Mineral

Fossil

Astronomy

Herbarium

Aug 2 Fri: Astronomy Members Observing

7:30 p.m. – 11:30 p.m. Farash Center.
Contact: Anthony Golumbeck at semp@use.startmail.com.

Aug 7 Wed: Astronomy Board Meeting

7:00 p.m. – 9:00 p.m. Farash Center.
ASRAS Members are welcome to attend.
Contact: Anthony Golumbeck at semp@use.startmail.com.

Aug 10 Sat: Anthropology - Family Archaeology & History Day at Cumming Nature Center

10:00 a.m. to 4:00 p.m. We'll assist Alex Smith and his SUNY Brockport students in conducting a family dig at this important abandoned 19th-century sawmill town archeological site. In addition, enjoy the blacksmithing and woodworking demonstrations and visit the Frost Town: History & Ecology of a Ghost Town exhibit. Let Alex know if you are coming at alexander_smith@alumni.brown.edu

Aug 10 Sat: Astronomy Meteor Observing – Cumming Nature Center

8:00 p.m. – 11:00 p.m. Cumming Nature Center, 6472 Gulick Road, Naples.
Alanna Dolen of RMSC has invited ASRAS members to attend a Perseid Meteor Shower viewing event and bring expertise and/or portable telescopes if possible. Contact: Anthony Golumbeck at semp@use.startmail.com.

Aug 18 Sun: Astronomy Open House

12:00 p.m. – 3:00 p.m. Farash Center, 8355 County Road 14, Ionia. Contact: Anthony Golumbeck at semp@use.startmail.com.

Aug 21 Wed: RAS Board Meeting

7:00 p.m. -9 p.m. Church of the Ascension. Zoom option available. For details, contact: Michael Grenier, mgrenier@frontiernet.net

Aug 29 Thurs: Life Sciences - Nature Walk - Old Growth Forest Walk

6:00 p.m. The Life Sciences section will hold a Nature Walk at Washington Grove through the canopy of 250-year-old oak trees. This will be a guided tour by a Friends of Washington Grove volunteer guide who will discuss the

Grove's diverse plant life, its natural history, and current conservation efforts. This is a public event. No registration required, but call or write Michael Grenier at (585) 671-8738 or mgrenier@paleo.com to let me know you are coming. Refreshments after the walk. Meet on the southeast side of Reservoir Road, atop Cobbs Hill Reservoir. Don't be late. <https://friendsofwashingtongrove.org/> for more information.

Aug 30 Fri: Astronomy Public Observing

7:30 p.m. – 11:00 p.m. Farash Center, public welcome. Contact: Anthony Golumbeck at semp@use.startmail.com.

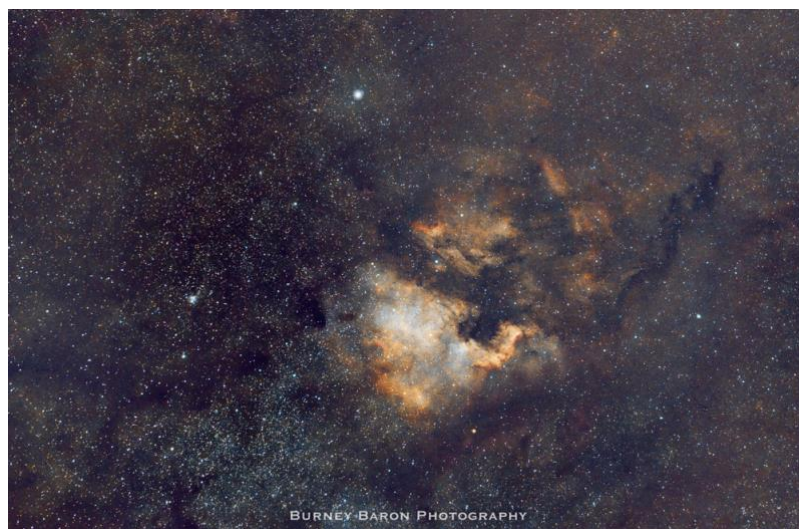
STRASENBURG OBSERVATORY:

ASRAS will operate the telescope at the Strasenburg Planetarium on mostly clear Saturday nights, dusk until 10:30. For more information, contact: Jim Seidewand at (585) 703-9876.

Recent RAS Member Photos



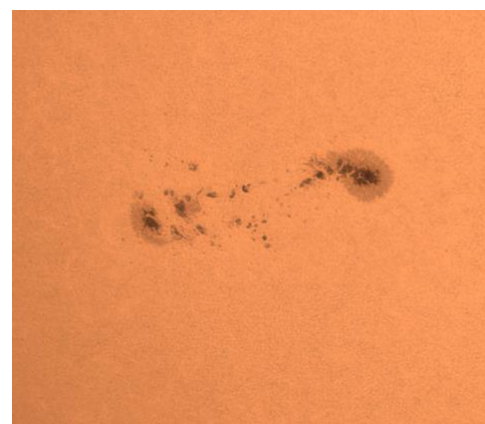
Pandorus Sphinx moth found by Tony G. at the Farash Center. Photo by Doug Kostyk, July 2024.



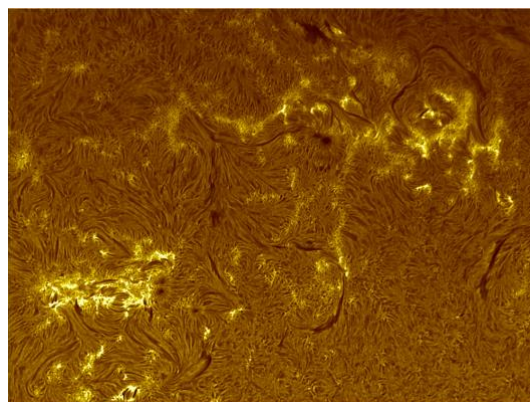
North American Nebula, NGC 7000; Burney Baron, July, 2024.



Milky Way from the Farash Center; Mike Naven, July 1, 2024.

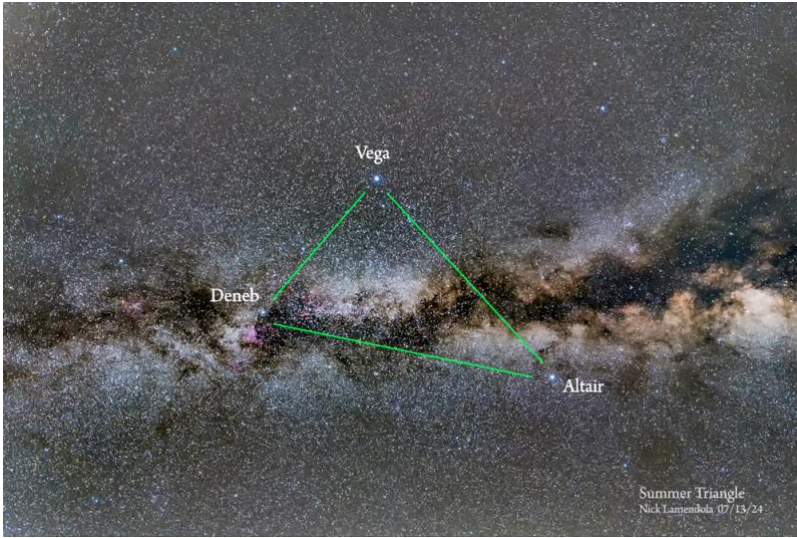


Sunspots; Kevin Loyns, July 8, 2024.



Sun in H-alpha, Doug Kostyk, July 1, 2024.

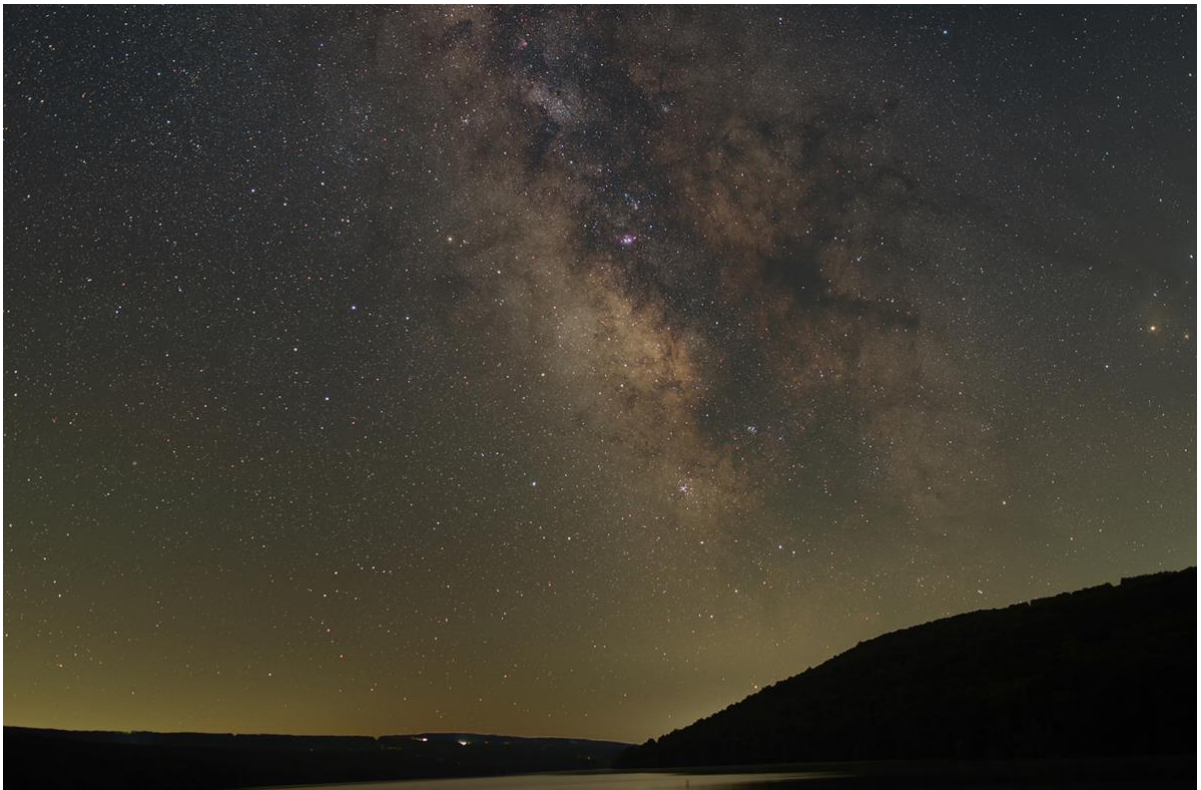
Recent RAS Member Photos



Summer Triangle, Nick Lamendola, July 1, 2024.



Antares Region; Nick Lamendola, July 1, 2024



Milky Way over Conesus Lake, Nick Lamendola, July 1, 2024.

Rochester Research in Review.

(These are Hot Links which when clicked lead to the press release on the Science Daily website.)

[Lake under Mars ice cap unlikely, Cornell University, June 7, 2024](#)

[New analysis of Cassini data yields insights into Titan's seas, Cornell University, July 16, 2024](#)

[E. coli variant may cause antimicrobial resistance in dogs, humans. Cornell University, July 16, 2024.](#)

[Should you eat more dietary fiber? New study says it depends. Cornell University, June 25, 2024.](#)

[Cocaine trafficking threatens critical bird habitats. Cornell University, June 12, 2024.](#)

[Mothers live longer as child mortality declines. Cornell University, May 20, 2024.](#)

[New model could help provide expectant mothers a clearer path to safe fish consumption. University of Rochester, June 28, 2024.](#)

[Smartwatches offer window into Parkinson's disease progression. University of Rochester, June 12, 2024](#)

[New algorithm cuts through 'noisy' data to better predict tipping points. University at Buffalo, April 25, 2024](#)

[Sodium's high-pressure transformation can tell us about the interiors of stars, planets. University at Buffalo, December 29, 2023](#)



Cocoon Nebula IC146; John Larysz, July 9, 2024.



Three day Moon; Kevin Lyons, July 9, 2024.

ABOUT THE ACADEMY

The Rochester Academy of Science™, Inc. is an organization that has been promoting interest in the natural sciences since 1881, with special focus on the western New York state region. Membership is open to anyone with an interest in science. Dues are minimal for the Academy and are listed in the [membership application online](#). Each Section also sets dues to cover Section-related publications and mailings. We are recognized as a 501(c)3 organization.

For information, contact President Michael Grenier at (585) 671-8738 or by email paleo@frontier.com.

The Academy Internet website is <http://www.rasny.org> or see us on Facebook at <https://www.facebook.com/Rochester-Academy-of-Science-792700687474549>.

This "BULLETIN" is produced monthly, except January, by the Rochester Academy of Science™. Submissions are due by the 10th of the month and may be emailed to the Bulletin Editor Robert Crumrine at bob.crumrine@gmail.com.

The Academy postal address is P.O. Box 92642, Rochester NY 14692-0642.

ROCHESTER ACADEMY OF SCIENCE CONTACTS

	(585) home//cell
Michael Grenier	President 671-8738
Jeff Gutterman	Vice President 392-8299//748-2272
Helen D. Haller	Secretary 387-9570
Tim Tatakis	Treasurer 497-7038
Jutta Dudley	Past President 385-2368
Tony Golumbeck	Director '25 (315) 789-4374
Robert Crumrine	Director '25 813-4157
Karen Wolf	Director '26 670-9709
Douglas Kostyk	Director '26 943-3419
Michael Richmond	Director '27 586-7432
Dan Krisher	Director '27 698-3147
Alex Smith	Anthropology 750-3329
David Bishop	Astronomy 455-5715
Lawrence Hirsch	Life Sciences 512-5672
Tim Tatakis and Steven Daniel	Herbarium 497-7038
Dan Krisher	Fossil 698-3147
Stephen Busschaert	Mineral 351-7633
Robert Crumrine	Bulletin Editor 813-4157