



PRESIDENT'S MESSAGE:

COME TO THE SCIENTIFIC PAPER SESSION

We will gather at the Finger Lakes Community College near Canandaigua for our 42nd annual Scientific Paper Session on November 7th. Our program host is Dr. Bruce Gilman of the Dept. of Environmental Conservation and Horticulture. Featured presenters are RAS members, area scientists, and students who will share their investigations and interests about scientific topics. Join us for lunch and the program finale, the Larry King Memorial Lecture, given by field naturalist Hilary Mosher. I hope you will come!

Jutta Siefert Dudley

CALL FOR RESEARCH PRESENTATIONS AT THE FALL PAPER SESSION

Have you been working on a scientific project? There are people attending the Fall Paper Session that are eager to hear all about it! You may present a poster or oral report. But hurry, we need your abstract by Friday, October 16. Registration information for presenters is at <http://rasny.org/>.

* * *

RAS Paper Session Schedule Saturday, November 7

Finger Lakes Community College

Map:

<http://flcc.edu/directions/index.cfm>

Free parking. Use Lot A.

8:30 a.m. Presenters sign-in. Refreshments. Student Services Bldg Lobby.

9:30 a.m. Oral presentations 2nd floor classrooms.

11:30 a.m. Poster session. Stage 14.

12:30 p.m. Lunch, optional. \$8.75. College Café.

Reservation required. Find form on page 2 or online at www.rasny.org. **Mail check by Monday, October 26.**

1:15 p.m. Lecture by Hilary Mosher: College Auditorium

LARRY KING MEMORIAL LECTURE

Science, Policy, and Working Together to #stoptheinvasion

Presented by Hilary Mosher

Invasive species cost Americans \$137 billion annually to prevent, mitigate, or maintain infested areas. Populations in the Finger Lakes affect our environment, are a hazard to human health, and tax

our communities and our economy. Invasive species such as the water chestnut are exceptionally hardy and have traits that give them a competitive edge over their native counterparts. This presentation will discuss the biology of successful invaders, regulations to prevent invasive species from spreading, and how the Finger Lakes Partnership for Regional Invasive Species Management leverages collaborations and resources to #stoptheinvasion of invasive species in our region.

ABOUT OUR SPEAKER



Hilary Mosher is the Coordinator for the Finger Lakes-Partnership for Regional Invasive Species Management (FLPRISM). She is committed

to working with local, state, regional, and federal agencies, NGOs, private enterprise, academic institutions, citizens, and others to manage invasive species efforts on behalf of the 17 counties of the Finger Lakes region.

Her service to the broader community includes environmental education to non-profit corporations, citizen groups, and school groups covering a variety of topics from aquatic ecology to education for sustainability. Ms. Mosher has held various leadership roles within the community and managed projects on both a large and small scale.

Prior to her role as Coordinator at FLPRISM, Hilary Mosher taught courses and assisted with field instruction in the Department of Environmental Science and Biology at the College at Brockport.

SHOPPING ONLINE? HELP RAISE FUNDS FOR RAS!

Buy through **Amazon Smile** and Amazon will donate to RAS! It's simple. Find out how at <http://smile.amazon.com/ch/16-6043765>.



Keep RAS smiling!

ATTENTION ALL BEETLE LOVING KIDS, GRADES 7-12!

Do you want to study beetles? Cash and equipment grants for projects are available.

**Apply for
The Coleopterists Society
Youth Incentive Award**
by November 1, 2015

http://www.coleopsoc.org/default.asp?Action=Show_SocietyInfo&ID=Youth



42nd Annual Fall Scientific Paper Session November 7, 2015 Lunch Reservation Form

Menu: Choice of sandwich wraps, chips, fruit, cookie, and assorted beverages. Served in the College Café, Student Services Building, 12:30-1:15 p.m

Cost: \$8.75 per person.

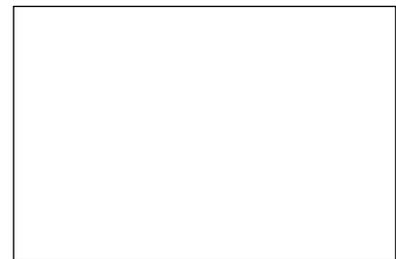
Fill out this form and mail (**by Monday October 26**) with a **check payable to Rochester Academy of Science** to:

Dr. Bruce Gilman
Department of Environmental Conservation and Horticulture
Finger Lakes Community College
3325 Marvin Sands Drive
Canandaigua, NY 144424

Name: _____

Total number of meals: _____

Total Payment Enclosed: \$_____



Events for October, 2015

For updates to events, check the Academy website, <http://www.rasny.org>, and Section websites.

Fri 1 ANTHROPOLOGY LECTURE

7:30 p.m. First Unitarian Church, 220 Winton Road South. We will join the AIA at their Lecture by Dr. Roderick Campbell presenting "The Shang and Their World". The Shang are the second of traditional Chinese history's three dynasties of high antiquity. The lecture will focus on the archaeology and early texts discovered at the site of Anyang where the last capital of the Shang was discovered in 1928. Contact Karen Wolf, 670-9709.

Fri 2 ASTRONOMY SECTION

7:30 p.m.–10:00 p.m. at RIT, Gosnell Hall, Room A300. ASRAS General Members Meeting. RMSC Planetarium Director Steven Fentress will speak about the Zeiss company and the planetarium projector. For more information, contact Joel Schmid at (585) 533-2097.

Sat 3 FOSSIL SECTION FIELD TRIP

9:30 a.m. Meet at McDonald's in Geneseo to gather for an excursion to Jaycox Run in the Middle Devonian strata. Don't miss out, access to this site is limited. Rain date October 4th. Contact: Dan Krisher, DLKfossil@gmail.com.

Tue 6 FOSSIL SECTION

7:30 p.m. Brighton Town Hall. Downstairs meeting room. Bill and Kris Parsons will present their most recent discoveries from

the early Cretaceous Cloverly Formation of Montana, which includes turtles, mammals, birds and dinosaurs.

Sat 10 HERBARIUM WORKSHOP

10:00 a.m. – 2:00 p.m. Life Sciences section will hold a workshop at the RAS Herbarium, located in the basement of the Rochester Museum and Science Center (RMSC). We will continue work on replacing torn and damaged genus folders, as well as repairing specimens as needed. No experience needed! The Museum café is open until 2 pm, if you wish to buy lunch. If you plan to attend, please send an RSVP to Elizabeth Pixley. Then, at RMSC, go to the front desk and ask staff person to call ext. 368, phone in the Herbarium. For more information, contact Elizabeth Pixley, herbarium curator (334-0977 or epixley@rochester.rr.com).

Fri 16 ASTRONOMY STAR PARTY

8:00 – 9:30 p.m. Northampton Park, Hubbell Road. For more information, contact Jim Seidewand at (585) 703-9876.

Sat 17 ANTHROPOLOGY

10:00 a.m. – 4:00 p.m. Rochester Museum and Science Center. We will have a display of our Mayan posters/language decoding and Sustainability projects. These will be part of the National Archeology Day Celebrations held around the country and will include displays put on by the AIA Rochester

Section. Contact Karen Wolf if you would like to help. Admission to the Museum will be free to helpers. This would also be a good time to check out the Herbarium collection that is stored at RSMC. For more information call Karen Wolf at 670-9709.

Tues Oct 20 MINERAL SECTION

7:00 – 9:00 p.m. Brighton Town Hall, 2300 Elmwood Ave. Downstairs Meeting Room. David Joyce will talk about the Mineral Occurrences in the Paleozoic Rocks of South-Western Ontario. Join us and learn about the geology and mineralogy of the sedimentary rocks of Canada that have produced beautifully crystallized mineral specimens.

Wed 21 RAS BOARD

7:00 p.m. Brighton Town Hall, Stage Conference Room.

Sat 24 LIFE SCIENCES FIELD TRIP

10:00 a.m. Thousand Acre Swamp, driveway of Penfield Ambulance Corps. Wear long pants for poison ivy protection. Fall foliage including should be in full fall color. The leaders will be Frank Crombe, members of BANC, and Ken Wolf. For more information, call either Karen Wolf 670-9709 or Larry Hirsch 429-6199.

Rochester Academy of Science
P.O. Box 92642
Rochester, NY 14692-0642
 Return Service Requested

NON-PROFIT ORG.
 U.S. POSTAGE
PAID
 ROCHESTER, N.Y.
 PERMIT NO. 220

October, 2015 - Vol. 69, #8, Page 4

CHANGING ADDRESS?

Temporary or Permanent?
 Notify whallah3@naz.edu.
 A returned newsletter costs us 59¢
 Please help stop this waste.

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. Each Section also sets dues to cover Section-related publications and mailings.
 For applications and/or more information, contact Jutta Dudley, 140 Railroad Mills Road, Pittsford, NY 14534; by telephone (585) 385-2368; or by e-mail <pres@rasny.org>. The **Academy** Internet website is <http://www.rasny.org>
 Or see us on Facebook at <https://www.facebook.com/RochesterAcademyOfScience>

This “**BULLETIN**” is produced monthly, *except July and September*, by the *Astronomy Section, Rochester Academy of Science*. Submissions are due by the 10th of the month, and may be emailed to editor@rasny.org

ROCHESTER ACADEMY OF SCIENCE OFFICERS

		Phone	
		(585) home	work
Jutta Dudley	President	385-2368	
Jeff Gutterman	Vice President	392-8299	789-1364
Helen D. Haller	Secretary	387-9570	
William Hallahan	Treasurer	624-1628	389-2552
Open	Membership		
Stan Spector	Past President	461-1272	
Karen Wolf	Anthropology	670-9709	273-4500
Joel Schmid	Astronomy	(cell) 533-2097	
Lawrence Hirsch	Life Sciences	429-6199	
Dan Krisher	Fossil	293-9033	
Stephen Busschaert	Mineral	732-5321	
Elizabeth Pixley	Herbarium	334-0977	
Jutta Dudley	Publications	385-2368	
Bob Crumrine	<i>Bulletin</i> Editor	(cell) 813-4157	
William Hallahan	Student Grants	624-1628	389-2552
Paul Dudley	Website Coordinator	385-2368	
Reginald Smith	Director '16	244-4979	
Michael Grenier	Director '16	671-8738	
Frank Bov	Director '15	385-1518	422-9910
Douglas Kostyk	Director '17	943-3419	
Lee Tutt	Director '17	872-3033	
Chris Collins	Director '16		385-8496

The Academy Postal address is P.O. Box 92642, Rochester, NY 14692