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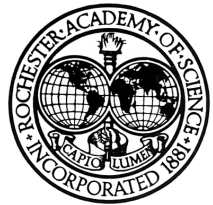
Rochester Academy of Science  
**BULLETIN**

"An organization of people in the Natural Sciences"



October, 2009 - Vol. 63, #8, Page 4

ABOUT THE **ACADEMY** - The Rochester Academy Of Science, Inc. is an organization which 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 membership chairman Stephen Busschaert, 54 Keswick Rd., Rochester, NY 14609; by telephone 288-5683; or by e-mail <sbusschaert@msn.com>.

The *Academy* Internet web page is <http://www.rasny.org>  
The *Astronomy Section* Information phone number is (585) 987-5330. The *Astronomy Section* Internet web page is <http://rochesterastronomy.org>  
This "**BULLETIN**" is produced monthly, *except July and September*, by the *Astronomy Section, Rochester Academy of Science*. The editor is Bob Crumrine, 3 Timway Court, Fairport, NY 14450 Phone (585) 265-5292 (days) and (585) 425-7448 (evenings), e-mail <editor@rasny.org>

**ROCHESTER ACADEMY OF SCIENCE OFFICERS**

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

**STUDENT GRANTS**

**Request for Proposals:  
Rochester Academy of Science  
Student Research Grants for  
the 2009-2010 Academic Year**

The Rochester Academy of Science will award grants for research supplies and travel related directly to research projects performed by undergraduate college students.

One grant of up to \$500 to the student's college plus an unrestricted award of \$50 to the student will be awarded to the top proposal. Partial funding of at least \$100 will be provided to four additional proposals. Applications for these grants will be judged on their merit as scientific research and for clear, concise description of the project.

Proposals in any area of scientific study are encouraged. It is the general philosophy of the reviewers, however, to favor funding of research in areas similar to those of the members of the Rochester Academy of Science. These interests include all aspects of natural history, including astronomy, anthropology, botany, ecology, mycology, entomology, geology, mineralogy, ornithology, paleontology. Information about the Rochester Academy of Science can be found at

<http://www.rasny.org>

Information for proposal submission is on the Rochester Academy of Science website or from Bill Hallahan (whallah3@naz.edu).

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**ARCHAEOLOGICAL  
INSTITUTE OF AMERICA  
LECTURE**

**Memorial Art Gallery  
Thursday, October 29, 2009  
Time: 7:30 PM.**

Dr. Andrew L. Goldman, associate professor of history department at Gonzaga University, speaks on "From Phrygian Capital to Roman Fort: Recent Excavations at Gordion (Turkey)." The lecture covers points in the history of this 5000-year-old site, famous as the home of semi-legendary King Midas and the place where Alexander the Great cut the Gordion Knot. Cosponsored with the Archaeological Institute of America, Rochester Society. Free to AIA and Memorial Art Gallery members; included in Gallery admission for all others.

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**FALL PAPER SESSION**  
The thirty-sixth Annual Fall

Scientific Paper Session of the Rochester Academy of Science will be hosted by Roberts Wesleyan College on Saturday, **October 31, 2009**. This session provides a forum for Academy members, the collegiate community and others engaged in scientific research to present the results of their investigations in an atmosphere that promotes discussion and interaction.

The keynote speaker will be **Sue French**. Sue is a Contributing Editor for Sky & Telescope, former columnist for Night Sky, and author of the book Celestial Sampler. She has been an avid deep-sky observer for 32 years and public star party coordinator for the Albany Area Amateur Astronomers for 29 years.

Undergraduate students attending local colleges and universities are particularly encouraged to attend and to present papers. Faculty and graduate students are also asked to participate and share their research results and ideas on a diversity of subjects.

Past presentations have been in the disciplines of anthropology, botany, chemistry, computer science, ecology, geography, geology, physics, physiology, science education and zoology. Presentations may be accomplished in two formats: an

oral reports or a poster. Oral reports are limited to 15 minutes in length and may utilize slides, overheads, video recordings and PowerPoint © software. Leave some time for a question and answer period at the end of your oral report. Posters should be designed to fit within a 4' by 4' area. Posters provide an excellent opportunity for author-audience interaction and students should strongly consider this mode of presentation.

**An abstract of each presentation should be received by Friday, October 9, 2009.**

Information on abstract preparation and registration can be obtained from:  
Dr. Cynthia R. Davis  
Department of Biology  
**Roberts Wesleyan College**

2310 Westside Drive  
Rochester, NY 14624-1997  
(585) 594-6342  
Davis\_cynthia@roberts.edu

\* \* \*

### MEET THE NEW BULLETIN EDITOR

I'm Bob Crumrine and I'm now

## FIELD REPORTS

(Summary of recent section and Academy activities)

the editor-in-training under Frank Bov. First, some great thanks to Frank for being the editor for the past three years, and to Barb Booth who is continuing to fold, prepare and mail this bulletin. One of my goals is to show how the Academy is active in the community and share the interest and excitement of section activities with other Academy sections. Let me know if you have any suggestions for this bulletin.



This picture was taken by Don Race at the Fossil Section field trip to Alexander Creek at Fireman's Park in Alexander, NY On April 18, 2009. From left to right are Larry Sfomo, John

Handley, Professor Gordon Baird, Dan Krisher, and Terry Carter. Professor Baird - paleontologist and stratigrapher / sedimentologist from SUNY Fredonia - gave a field lecture on

the sedimentary and tectonic history of this area. We are standing in front of shales that represent a time of regional and perhaps global sea level rise. Shales in New York represent regional and global changes in sea level, climate and episodes of mountain building to our east. Of particular interest is a layer of iron sulfide grains densely packed with fossils. This "horizon" is called the Leicester Pyrite and is found in lenses throughout Western New York. Fossils include fish bones, plates and teeth, crinoid debris, and conodont teeth.

Professor Baird is a world-renown paleontologist and good friend of the Section. He invites us on field trips with his students and presents a talk to the Section every May.

## EVENTS for October, 2009

(For updates to events, check the Academy web site, <http://www.rasny.org>, or appropriate Section web site.)

### OCTOBER EVENTS

#### Fri 02 ASTRONOMY GENERAL MEETING

7:30 PM, RIT Gosnell Hall A-300 Lecture Hall. Our main speaker is ASRAS's very own Uwe Unrath, who will present "Einstein's Universe: A brief tour of Albert Einstein's key contributions to science." For information, contact Carol Latta at 230-9548, or <cosmos@rochester.rr.com>, or visit [www.rochesterastronomy.org](http://www.rochesterastronomy.org)

#### Sat 03 FOSSIL FIELD TRIP

Trip to Kashong Glen, south of Geneva, NY. Details forthcoming. Please email <tcarter1@rochester.rr.com> or call Terry at 585-467-0135 if you wish to attend or want more information.

#### Tues 06 FOSSIL / MINERAL WARD'S OPEN HOUSE

7:00 – 9:00 PM Ward's Natural Sciences, 5100 West Henrietta Road, Geology entrance. Tour of geology collections and opportunity to purchase museum quality specimens.

#### Fri 09 ASTRONOMY STAR PARTY

Star party at Mendon Ponds Park Scout Camping area on Hopkins Point Road, 8:00 to 10:00 PM. We'll cancel if not at least partially clear. Call us at 723-6225 starting a half hour before the start time if you're in doubt.

#### Fri 16 FOSSIL FIELD TRIP

FIELD TRIP Trip to Ridgemount and Campbell quarries near Fort Erie, Ontario. Proper US/Canada border crossing documentation required. Please email <tcarter1@rochester.rr.com> or call Terry at 585-467-0135 if you wish to attend or want more information.

#### Thurs 15 RAS BULLETIN

Deadline for event notices and articles for the November issue.

#### Mon 19 ACADEMY FORUM

Discussion on the future of Natural Gas production in Western New York. Brighton Town Hall, Downstairs Meeting Room, 7:00 PM. Additional information can be found at <http://www.fmce.org> or (585) 392-4918.

#### Tues 20 MINERAL MEETING

7:30 PM Brighton Town Hall Auditorium, 2300 Elmwood Ave. Rochester. One of the section members will speak about their collection excursions over the summer; visitors welcome. For information, call Chuck Hiler at 924-7496.

#### Wed 21 LIFE SCIENCES MEETING

10:00 AM – 2:00 PM Life Sciences section will hold a

workshop at the RAS Herbarium, located in the basement of the Rochester Museum and Science Center (RMSC). This is a great way to get a look at very interesting plants from around the world!. If you plan to attend, please send an RSVP to Elizabeth Pixley. Then, at RMSC, go to the front desk and ask staff person there to call ext. 368, the phone in the Herbarium. You can either bring a lunch or purchase food at the RMSC café. For more information, contact Elizabeth Pixley, herbarium curator (334-0977 or [epixley@rochester.rr.com](mailto:epixley@rochester.rr.com).

#### Sat 24 ASTRONOMY HALLOWEEN PARTY

7:30 – 9:30 PM. Come join our Halloween party at Ionia.

#### Sat/Sun 24-25 MINERAL, FOSSIL

37<sup>th</sup> Annual Gem, Mineral, Jewelry & Fossil Show, Minett Hall, Monroe County Fairgrounds. Time: 10-6 Saturday, 10-5 Sunday. <http://www.rasny.org/show>.

#### THURS 29 ANTHROPOLOGY PUBLIC LECTURE , Memorial Art Gallery, 7:30

Dr. Andrew L. Goldman lecture. See notice above for more details.

#### Sat 31 RAS

RAS Fall Paper Session at Roberts Wesleyan College. See announcement on page 1.