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Rochester Academy of Science  
**BULLETIN**

"An organization of people in the Natural Sciences"



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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>

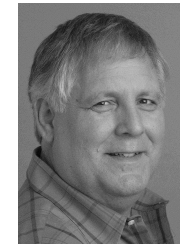
The *Astronomy Section* Information phone number is (585) 987-5330. The *Astronomy Section* Internet web page is <http://rochesterastronomy.org>

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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		(585)	home	work
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Charles Hiler	Vice President	924-7496		
Open	Secretary			
William Hallahan	Treasurer	624-1628	389-2552	
Harry deLahunta	Membership	350-8526		
Matthew P. Sinacola	Past President	426-0815	340-2315	
Karen Wolf	Anthropology	670-9709	273-4500	
Lori Englund	Astronomy	334-5744		
Karen Wolf	Life Sciences	670-9709	273-4500	
John Handley	Fossil	802-8567	265-8900	
William W. Pinch	Mineral	248-3333		
Elizabeth Pixley	Herbarium	334-0977		
Jutta Dudley	Publications	385-2368		
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Frank Bov	Director '12	385-1518	422-9910	
Jutta Dudley	Director '11	385-2368		
Helen D. Haller	Director '11	387-9570		
Kym Pocius	Director '10	(cell) 802-8566		
Jeff Gutterman	Director '10	392-8299	359-6054	

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



**PRESIDENT'S MESSAGE  
JANUARY, 2010**

The academy has provided many people in the Rochester area access to lectures and other people with the similar interests in the physical sciences. I know that I have learned a lot about science since I joined the fossil group about 10 years ago and other groups in the following years. But I'm not sure that I will remember the science as much as the people, now life long friends, that I gained along the way. So take the time to make friends along the way.

One way to meet people in other sections is on the RAS Board of Directors. Each year the board elects an annual group of officers and 2 new directors, with a 3-year term. The directors have the prime obligation of providing "advice and consent" at the 10 meetings each year along with the occasional between meeting e-mail discussions. The secretary has also just a limited time commitment of writing up the minutes after each board meeting. Another position, Membership,

has other obligations of trying to put in place a coordinated program to try to bring members into the organization, especially younger members and families. Our treasurer currently handles the biggest burden of collecting dues from and accounting for the members. All of these positions start in June.

This year, I will be chairing the nominating committee and hope you will consider joining the board in a position of director, secretary or membership. We will also be happy to entertain your running for President or Vice-President. We currently have one person interested in President, two for Vice President, and Bill Hallahan is interested in staying on as Treasurer. The election of any of these potential candidates into new offices will open up other board positions. If you are interested send me an e-mail at <StanSpec@aol.com> or call me at 461-1272 by January 15<sup>th</sup> so we can discuss your nomination. Below, we have information and biographies from a few members that have expressed interest in board positions; additional interest is welcome.

Stan Spector,  
President, RAS

\* \* \*

**BIOGRAPHIES OF  
POTENTIAL 2010-2011  
CANDIDATES**

**Jutta Siefert Dudley** (Candidate for President)  
Education: Bachelor (SUNY Potsdam) and Master Degrees (Indiana University) in Geology/Earth Science; Ph.D. in science education (University at Buffalo).  
Work Experience: Earth Sciences Educator: high school (24 years) and college level (1998 to present).  
Science Education Leadership and Volunteer Activities:  
Active leader in Science Teachers Association of NYS. Elected to STANYS executive offices, including President, 2006-2007. Two years Co-chair of state conference and continue to serve on conference committee. Former long time Chair of the Central Western Section of STANYS. Serve on Section committees organizing activities for science students such as Science Explorations Days (since 1973) and Science Congress (since 1978). Web editor for regional and state sites. Frequent presenter of workshops for teachers and secondary students. Volunteer at Hiscock Paleontological Site in Byron since 1985.

RAS Contributions: RAS Member since 1977. Life Member

since 1991. Current member of Fossil, Mineral, Astronomy Sections. Help at the annual Mineralogical Symposium and Mineral Show. RAS Director-at-Large and Publications Committee Chair, 2001 to present. Co-editor RAS Proceedings 2002. Research article "Herman Leroy Fairchild: An Early Promoter and Defender of Meteorite Impact Cratering" published in RAS Proceedings, 1998. Coordinated the May 2009 RAS display at the Central Library.

Goals for Academy: My goal as President is to encourage and support the teamwork necessary to strengthen the Academy. I look forward to working with section leaders and board directors as we promote the study of the natural world and share it with our colleagues and the community.

\* \* \*

**Chuck Hiler** (Candidate for Vice-President)

Education: Bachelor of Science from Rochester Institute of Technology-Photography, photo science and business. Other studies in marketing. MCC Geology and mineralogy. Self study geology and mineralogy.

Scientific Interests and Contributions: Extensive study on the Lockport Dolostone of Western, NY and Canada. Assembled a large collection of minerals found in the Lockport Dolostone with mineral photographs and locations. Presented talks on geology and local mineralogy at local schools. Gave a talk on geology and minerals found in the Lockport

Dolostone in Penfield and Walworth quarries at the Annual EFMLS convention in October 2007.

Work Experience: Senior Quality Assurance Engineer at Eastman Kodak. Worked in research and development of new products for business applications and medical diagnostic imaging systems. Leadership: Member of "The Core Team" providing input for a Strategic Plan for updating Victor's new Comprehensive Plan.

\* \* \*

**John Handley** (Candidate for Vice-President):

I have been a RAS Fossil Section member since 1998 and am currently Vice President and Acting President of that Section. I previously served as Vice President two terms, from 2003 to 2005 and President three terms from 2006 to 2009. I have organized many talks for the Fossil Section.

I hold BS and MS degrees in mathematics from Ohio State University and a Ph.D. in imaging science from Rochester Institute of Technology. I am an author on 18 journal papers including two recently in paleontology, have given talks at RAS events and many scientific conferences, written two book chapters and holds 27 US patents. I have served in several professional societies, including secretary, vice chair and chair of the Rochester Chapter of the IEEE Signal Processing Society (2006-2008), vice chair of the Rochester Chapter of the American Statistical Association (2007, 2008) and have organized talks

for these societies. I have been a frequent member of the organizing committee of the local annual Western New York Image Processing Workshop and have been a program committee member for various imaging and data mining conferences since 2002. My publication history and research interests are available at <http://chester.xerox.com/~jhandle> y.

My goals as Vice President are to recruit prestigious speakers for RAS events and to seek to increase member, student and local faculty participation in the Fall Paper Session by organizing theme sessions around the Sections and actively recruiting speakers.

\* \* \*

**William L. Hallahan**, Ph.D. (Treasurer)

I was born in the suburbs of Philadelphia with a back yard and a stream to explore ecology on my own as a child. Both my parents are avid naturalists and have traveled all over the world photographing nature, collecting specimens and minerals. I majored in biology at Colorado College in Colorado Springs, taught ninth grade in rural Virginia and completed my graduate work at Duke University in zoology and animal behavior. I have been a biology professor at Nazareth College since 1976. I was elected FRAS in 1987 and have been the treasurer of RAS since 'inheriting' it from Herman Forest in the mid 1980's.

# EVENTS for January, 2010

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

## JANUARY EVENTS

### Fri 08 ASTRONOMY GENERAL MEETING

7:30 PM, RIT Gosnell Hall A-300 Lecture Hall. Dr. Al Ureles will speak on the topic "Health Problems with Space Flight." For information, contact Lori Englund at 334-5744, or <lenglund@frontiernet.net> or visit [www.rochesterastronomy.org](http://www.rochesterastronomy.org).

### Sat 09 LIFE SCIENCES HERBARIUM

10:00 AM-1:00 PM Life Sciences section will hold a workshop at the RAS Herbarium, located in the basement of the Rochester Museum and Science Center (RMSC). No experience needed! Plan to come and help with this valuable collection – and learn about plants in the process. Lunch is served in the RMSC Cafe until 2 pm. 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. For more information, contact Elizabeth Pixley, herbarium curator (334-0977 or [epixley@rochester.rr.com](mailto:epixley@rochester.rr.com)).

### Sun 10 RMSC LECTURE

1:00-3:00 PM Rochester Museum & Science Center Eisenhart Auditorium. Please join us at the Rochester Museum & Science Center's Eisenhart Auditorium for THE HUMAN SPARK PREVIEW AND TALK BACK.

You'll preview clips from PBS's THE HUMAN SPARK, a series where host Alan Alda explores through paleontology and neuroscience what makes us uniquely human. Then join in a discussion with local scientists Dr. Elizabeth Perry, RIT College of Science, and Dr. George McIntosh, RMSC Director of Collections. The event is free but registration is required; please visit <http://wxxi.org/humanspark/> to register. For information, please call the museum at (585) 271-4320.

### Fri 15 RAS BULLETIN

Deadline for events and articles the February, 2010 issue. To submit articles, contact the editor at [editor@rasny.org](mailto:editor@rasny.org).

### Sun 17 WINTERFEST

11:00 AM-4:00 PM East Lodge, Mendon Ponds Park. Outdoor activities and exhibits. All sections welcome. For more information please visit [www.mendonpondswinterfest.org](http://www.mendonpondswinterfest.org) or contact section presidents.

### Tue 19 MINERAL GENERAL MEETING

7:30 PM. at Brighton Town Hall, 2300 Elmwood Ave., in the Downstairs Meeting Room. Speaker to be announced. For information, call Bill Pinch at 248-3333 or check the Academy web site at [www.rasny.org](http://www.rasny.org).

### Wed 20 RMSC SHULTZ LECTURE

7:30 PM at Eisenhart Auditorium, 657 East Avenue, Rochester, NY 14607.

Benjamin L. Miller, Ph.D.: Smart Bandages and Fast Diagnostics: New Tools for a Personalized Medical Future.

### Wed 20 LIFE SCIENCES HERBARIUM

1:00-4:00 PM Life Sciences section will hold a workshop at the RAS Herbarium, located in the basement of the Rochester Museum and Science Center (RMSC). See similar January 09 event for details.

### Wed 27 RAS BOARD MEETING

7:00 PM Brighton Town Hall 2300 Elmwood Ave. in the downstairs conference room. Everyone is welcome.

## FEBRUARY EVENTS

### Fri 5 ASTRONOMY GENERAL MEETING

7:30 PM, RIT Gosnell Hall A-300 Lecture Hall. For information, contact Lori Englund at 334-5744, or <lenglund@frontiernet.net> or visit [www.rochesterastronomy.org](http://www.rochesterastronomy.org).

### Sat 06 LIFE SCIENCES GENERAL MEETING

6:00 PM at Karen Wolf's home. For more information contact Karen 670-9709