

# BULLETIN

"An organization of people in the Natural Sciences"



October, 2011 - Vol. 65, #8

## PRESIDENT'S MESSAGE

Bob Crumrine has retired after two years as Bulletin Editor. Organizing a monthly newsletter is not an easy task and we appreciate his dedication. Thank you, Bob, for a job well done! The editorial virtual pen has now passed on to Benjamin Carlino. Benjamin graduated from the College at Brockport with a degree in creative writing. He plans to study for a Masters of Fine Arts and become a professor some day. He has been a member of Astronomy for less than a year and you may already know him as the young man grilling hot dogs at the summer events. We expect he'll be showing other talents beyond the culinary as he tackles his new job. Thanks for volunteering, Ben!

Monroe Community College will host our thirty-eighth Annual Fall Scientific Paper Session on Saturday, October 29, 2011 from 8:00 a.m. to 2:00 p.m.. This event 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. A highlight of the program is the free Larry King Memorial Lecture at 1 p.m featuring the timely topic of glacial ice disappearance. Come and find out from Dr Beata

Csatho what's happening to the Greenland Ice Sheet!

Jutta Siefert Dudley

\* \* \*

## LAST CALL FOR RESEARCH PRESENTATIONS AT THE FALL PAPER SESSION

If you wish to present a poster or oral report you may send in an abstract by Friday, October 7, 2011. Information is at <http://rasny.org/>.

### Fall Paper Session Schedule, October 29

Monroe Community College,  
Flynn Campus Center-Building 3  
Use Parking Lot M

#### MCC Campus Map Link:

<http://www.monroecc.edu/webdb/s/WebMP.nsf/CampusMaps?OpenForm&BrMap1>

**8:00 a.m.** Registration opens,  
refreshments, Gilman Lounge

**9:00 a.m.** Oral and Poster  
sessions begin

**12 Noon** Lunch, optional - See  
reservation form

**1:00 p.m.** Free Lecture,  
*Disappearing Ice*

Monroe A/B in Flynn Campus  
Center

## LARRY KING MEMORIAL LECTURE

*Disappearing Ice: Mass Loss and  
Dynamics of the Greenland Ice  
sheet by Beata Csatho*

The Greenland Ice Sheet is at the center of attention for scientists and the mainstream media alike. Despite its potential to contribute dramatically to sea level rise in response to ongoing and projected climate change, resulting in significant socio-economic impacts in the US and around the globe, the future behavior of the Greenland Ice Sheet remains largely uncertain. This uncertainty stems from our incomplete knowledge of the pattern and timescales of the ice sheet's response to climate change. The retreat of outlet glaciers fringing the ice sheet has been observed and documented since the 1800s. However, satellite and airborne measurements, offering the first opportunity to characterize the mass loss and changes in ice dynamics of the whole ice sheet, only started a few decades ago. This lecture will present the detailed record of ice sheet mass loss obtained from satellite altimetry and examine its pattern and significance compared to the long-term evolution of the ice sheet. Predictions of the future of the Greenland Ice Sheet and advances in its remote sensing monitoring will conclude the lecture.

## ABOUT OUR SPEAKER

Dr. Beata Csatho is an Associate Professor in the Department of Geology at the University at Buffalo. Her research interest spans a large number of disciplines, including geophysics, paleoclimate, remote sensing, photogrammetry, geodesy, spatial statistics, geographic information system, visualization, digital image processing, pattern recognition, and data fusion. She has served as a Science Team Member of NASA's ICES at and IceBridge missions and she is currently the Science Definition Team Leader of NASA's ICESat-2 satellite mission. Her research aims at improving our understanding of ongoing cryospheric changes and developing better approaches for predicting the future of the polar ice sheets and their contributions to sea level rise. She has participated in over 10 field expeditions to Greenland, Alaska, and Antarctica.



*Pictured: Beata Csatho collects GPS data to track the retreat and thinning of Jakobshavn Glacier in Greenland.*

## *Lunch Reservation Form*

Lunches are available for purchase from the MCC caterer. Payments can be by cash or check, payable to Monroe Community College. If interested, please fill out the form below. Email your order or send payment to:

drobertson@monroecc.edu

Daniel Robertson

Monroe Community College

1000 East Henrietta Road

Rochester, NY 14623-5780

Name: \_\_\_\_\_

Number of Meals: \_\_\_\_\_ x \$10/person

Total: \$ \_\_\_\_\_

# EVENTS for October, 2011

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

## **OCTOBER EVENTS**

### **Tuesday 04 FOSSIL MEETING**

7:30 PM at Brighton Town Hall. The speaker is Christopher Albrecht and he will be speaking and showing examples from his specimen collection for "Fossils in Amber". For questions contact Stan Spector at 461-1272.

### **Friday 07 ASTRONOMY MEETING**

7:00 PM to 9:00 PM at Rochester Institute of Technology's Gosnell Science Bldg; 1st floor room A-300 lecture hall Jefferson Road Rochester, NY 14623. Meeting will not be at Ionia. Our meeting officially begins at 7:30 PM, but we have a few snacks and soft drinks starting at 7. Stop in early and socialize. A great time to meet members, chat about astronomy and equipment, etc. Main speaker will be Steve Manly giving a talk entitled "Neutrinos." After the meeting, many members go out to Applebee's on West Henrietta Road for some late night food and conversation. All are welcome to join in.

### **Saturday 15 LIFE SCIENCES HERBARIUM WORKSHOP**

10:00 AM to 2:00 PM, 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 see some interesting plants! Lunch is served in the RMSC Cafe until 2 pm. At RMSC, go to the front desk and ask

staff person there to call ext. 368, the phone in the Herbarium. If you plan to attend, please send an RSVP to Elizabeth Pixley, herbarium curator, 334-0977 or [epixley@rochester.rr.com](mailto:epixley@rochester.rr.com).

### **Tuesday 18 MINERAL MEETING**

7:30 PM to 9:30 PM at Brighton Town Hall, Downstairs Meeting Room, 2300 Elmwood Avenue, Rochester, NY 14618. Mineralogist, Dr. David Joyce of Newmarket, Ontario, will give his talk, "*Gold Mining in Canada.*" A silent auction of items donated from Ann Peirce collection- for members only. There will be refreshments and door prizes. Visitors are welcome. For more info, contact Stephen Busschaert, at [sbusschaert@msn.com](mailto:sbusschaert@msn.com) or 585-288-5683, or go to [www.rasny.org/mineral](http://www.rasny.org/mineral) for updates.

### **Wednesday 19 RAS BOARD MEETING**

7:00 PM at the Brighton Town Hall, Upstairs Conference Room.

### **Saturday 22 & Sunday 23: 42<sup>nd</sup> ROCHESTER GEM, MINERAL, JEWELRY, AND FOSSIL SHOW**

10 AM to 6 PM; 10 AM to 5 PM at Minett Hall, Monroe Co. Fair & Expo Center, 2695 E. Henrietta Rd, Henrietta, NY 14467. Displays of minerals, fossils & lapidary arts; demonstrations of fossil preparation, gemstone faceting, cabochon making, and glass bead making. Children's activities will include soapstone carving, sluice

mining, mineral bingo, and fluorescent and industrial mineral displays. Dealers of crystals; jewelry; fossils; loose stones and beads; minerals; carvings; collecting and jewelry making tools; and findings. Adult - \$5, Children under 12, free with an adult. This is a Mineral Section fund-raising event co-sponsored with the not-for-profit organization, Rochester Lapidary Society. For more info visit <http://www.rasny.org/show> or email [show@rasny.org](mailto:show@rasny.org). Members are asked to sign up to volunteer, and to pick up flyers and posters at our next few events to help publicize this event. - Contact Nancy McCann at 585-395-1713 or [mineralpres@rasny.org](mailto:mineralpres@rasny.org), or Paul Dudley at 595-385-2368 or [mineral@rasny.org](mailto:mineral@rasny.org).

### **Saturday 29 FALL PAPER SESSION**

9:00 AM at Monroe Community College, Flynn Campus Center. Oral and Poster sessions begin 9 a.m. followed by lunch at noon. *Disappearing Ice* lecture at 1 p.m. See this issue for details.

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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 385-2368; or by e-mail <JuttaSD@aol.com>.

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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 Benjamin Carlino, 23 Monroe Street, Fairport, NY 14450 Phone (585) 944-7748 (days) <editor@rasny.org>

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