



**Ice Core Records of Climate Change:
Drilling into the Past to Learn about the Future**

Presented by
Vasilii Petrenko, PhD

**Rochester Academy of Science Spring Lecture
7:30 pm Thursday, April 3, 2014
Brighton Town Hall Auditorium. 2300 Elmwood Avenue
Free. Public Welcome.**

President's Message:

You may be tired of seeing too much snow after the many frigid days this winter, but I trust you'll want to join us April 3rd at the annual RAS Spring Lecture to hear a "cool" talk about glacial ice and the clues it holds to earth's atmospheric history. University of Rochester earth scientist Vasilii Petrenko

will present *Ice Cores Records of Climate Change: Drilling into the Past to Learn about the Future*. This is a great opportunity for us to hear from a leading edge researcher working on the ice of Greenland and Antarctica to remove ice cores and extract ancient gases. After reading blogs from his field team I think we should be in for some

good stories!

If you missed the descriptions of the lecture and speaker's background in the previous Bulletin, you will find the March Bulletin posted on www.rasny.org using the drop down menu Publications and Collections.

Jutta Dudley, President RAS

Treasurer's Report: Description of the Treasurer's Report March 12, 2014

The Rochester Academy of Science has three categories of funds: the General Fund, the Endowment Funds and the Expendable Funds. The General Fund receives membership dues, monthly interest from the Life Fund (endowment) and the Memorial Fund (endowment). Expenses from the General Fund are outlined in the budget below. The Endowment funds are not spent but generate interest, which is entered as income into the three Expendable Funds.

General Fund Budget Summary for 2014 (this is where membership dues go):

Section & Board Meetings: Room rental	\$1,325.00
<u>Bulletin</u> : printing, mailing, labor	\$2,200.00
Events: Spring Lecture & Fall Paper	\$100.00
Session: paid from Expendable Funds	
General Office Expenses (PO Box & permit)	\$290.00
Liability Insurance	\$460.00
Website	\$60.00
Total	\$4,260.00

There are eight Endowment Funds: (These funds are reported to the IRS as restricted assets)

Fairchild Fund The income from this fund is deposited in the Publications Fund.

Life Fund This fund contains dues paid by those who joined at the Life Membership level.

Jensen Fund Interest from this fund is deposited in the Grants Fund.

Speakers Fund Interest from the Speakers Fund is deposited in the Lecture Fund.

Grace Murray Fund Interest from this fund is deposited in the Grants Fund.

Memorial Fund This fund is a repository for memorial gifts that are not designated to any of the other funds by the donor. The persons honored in this memorial fund will be recorded in a perpetual list, which will be published in the Proceedings. Gifts may be sent directly to the Academy Treasurer with a letter describing the memorial to be recorded.

Grants Program Endowment Interest generated from this fund is deposited in the Grants Fund.

Babette Coleman bequest The interest from this fund is deposited in the Paper Session Fund to support the expenses of the Fall Scientific Paper Session held each

year at one of the area colleges.

The present balance of the Endowment Funds: as of December 31, 2013

Fairchild	\$10,741.00
Life	\$8,400.00
Jensen	\$8,275.00
Speakers	\$6,550.00
Grace Murray	\$8,250.00
Grants Endowment	\$5,150.00
Babette Coleman bequest	\$4,958.86
Memorial	\$650.00

The Expendable Funds: (These funds are reported to the IRS as unrestricted assets)

Publications Fund This fund receives the interest from the Fairchild Fund as well as individual gifts. Since 1995 this fund has been totally self-supporting in that it has not received any funds from membership dues or from the General Fund. Money in this fund is used to publish the Proceedings and Academy booklets.

Grants Fund This fund receives the interest from the Grace Murray Fund, the Jensen Fund, the Grants Endowment Fund and dividends from the T.F. and A.A. Murray Fund as well as gifts from individuals or from sections of the Academy. Since 1995 this fund has been totally self-supporting in that it has not received any funds from membership dues or from the General Fund. Money in this fund is used to award annual research grants to undergraduate college students.

Lecture Fund This fund receives the interest from the Speakers Fund as well as individual gifts. Since 1995 this fund has been totally self-supporting in that it has not received any funds from membership dues or from the General Fund. Money in this fund is used to pay the expenses and honoraria for invited speakers who give lectures at Academy events (primarily at the Fall Scientific Paper Session and the Spring Lecture).

Assets and liabilities:

The assets of the Rochester Academy include money held by each of the five sections, as well as the RAS funds in the Pittsford Federal Credit Union (checking, savings, certificate accounts) plus investments held by MorganStanley/SmithBarney (which pay about 4%; this interest is deposited into the Expendable Funds accounts). The RAS also owns stock in ConocoPhillips and Phillips 66; the dividends received are deposited into the Grants Fund. Finally, has investment money in the UBS Putnam Diversified Income Trust which was a bequest from the Babette Coleman estate (this is the only investment that increases in value, about 8% per year) because all of the other financial assets are used for their income yield to support the RAS Program functions. The RAS also owns the Astronomy Section observatory in Ionia, NY. The RAS has no liabilities.

Events for April, 2014

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

Thurs 3 ANNUAL ACADEMY MEETING AND LECTURE

7:30 p.m. Brighton Town Hall auditorium. Ballots for RAS BOD due. Election results to be announced. Lecture *Ice Cores Records of Climate Change: Drilling into the Past to Learn about the Future* is presented by V. Petrenko. Public welcome.

Fri 4 ASTRONOMY SECTION

7:00 p.m.–10:00 p.m. RIT, Gosnell Hall, Room A300. ASRAS General Members Meeting. Jeff Ludwig will speak about the history of science museums in Rochester. For more information, contact Valerie Rapson at 301-3424.

Mon 7 ASTRONOMY SECTION BOARD MEETING

7:00 p.m.–10:00 p.m. U of R, Bausch & Lomb, Chart Room. ASRAS Board meeting. Contact Valerie Rapson at 301-3424.

NO MINERAL SECTION MEETING IN APRIL.

Wed 16 HERBARIUM

1:00-4:00 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). No experience needed! Plan to come and help with this valuable collection – and see some interesting plants! 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).

Wed 23 RAS BOARD

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

Thu 24 ROCHESTER MINERALOGICAL SYMPOSIUM

8:00 p.m. Opening lecture of the RMS is always free and open to RAS members. Radisson Hotel Rochester Airport, 175 Jefferson Rd, Rochester, NY 14623. Speaker - Michael Bainbridge, speaking on *Grenville Grunge Dispelling the Myth*, plus access to display room and 4th floor dealers. Sign in at desk in rear lobby. Check the Symposium link on the Mineral page at www.rasny.org for further info.

Thurs-Sat 24-27 ROCHESTER MINERALOGICAL SYMPOSIUM

Radisson Hotel Rochester Airport. 175 Jefferson Road, Rochester 14623. For details see www.rasny.org/MinSymposium.

Sat 26 FOSSIL FIELD TRIP

A joint trip with Dr. Baird and Dr. Alex Bartholomew of SUNY New Paltz. We will meet in Geneseo and collect at the Middle Devonian Jaycox and Fall Brook

sites near there. For more information, contact Dan Krisher at fossil@rasny.org or by phone at (585) 293-9033.

Sat 26 LIFE SCIENCES FIELD TRIP

10:00 a.m.-to whenever people wish to stop. Abraham Lincoln Park Empire Blvd, top of the hill just south of Plank Road. This is a fairly new extension of trails that wander down to the Bay with many children friendly apparatus at the parking area and nature trails to explore. We hiked some of this in Feb and decided to go back several times during the rest of 2014 and plan on a more in-depth survey of the plants and birds in the area. Bring lunch to eat on the trail if you wish. There will be no ending time limit for the hike. For more information, contact Karen Wolf at 670-9709.

Sat 26 ASTRONOMY OPEN HOUSE

12:00-3:00 p.m. Open house at Ionia. For more information contact Bob McGovern (585) 381-7877.

ONGOING EVENT

ASRAS will operate the telescope, or one on the sidewalk, at Strassenburgh Planetarium on mostly clear Saturday nights. Contact Jim Seidewand at (585) 703-9876.

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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 (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>

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