



**priweb.org**

Main Campus &  
Museum of the Earth  
1259 Trumansburg Rd  
Ithaca, NY 14850  
Ph: (607) 273-6623  
Fax: (607) 273-6620

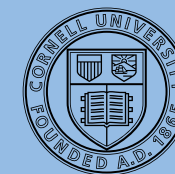
Cayuga Nature Center  
1420 Taughannock Blvd  
Ithaca, NY 14850  
Ph: (607) 273-6260  
Fax: (607) 273-1719



**PALEONTOLOGICAL RESEARCH INSTITUTION ANNUAL REPORT**



AFFILIATED WITH



Cornell University

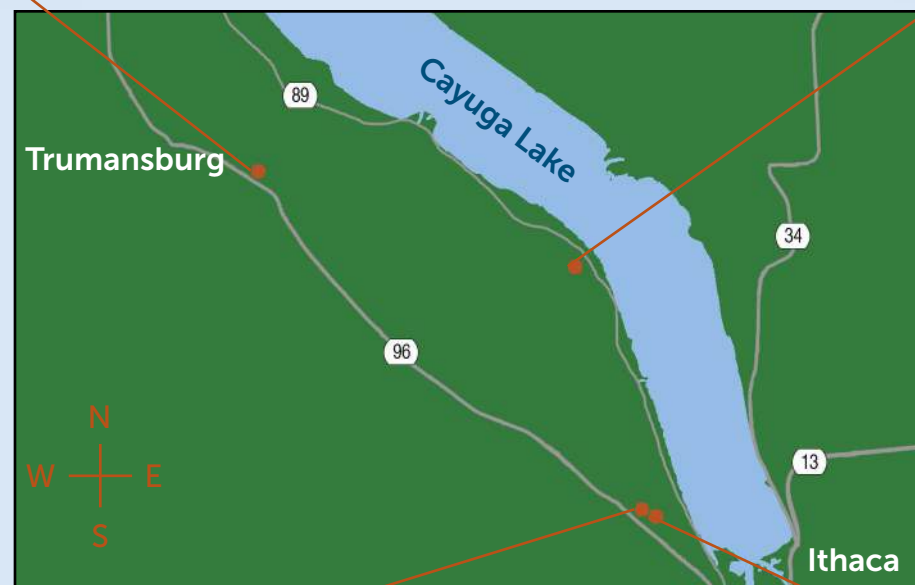
# PRI: WHAT AND WHERE WE ARE

**Our Mission:** The Paleontological Research Institution pursues and integrates education and research, and interprets the history and systems of the Earth and its life, to increase knowledge, educate society, and encourage wise stewardship of the Earth.

**Our Locations:**

30-acre **Smith Woods** is the largest piece of old-growth forest in central New York. Some of the trees are more than 200 years old, with a recently fallen hemlock dating back to 1663.















**The Cayuga Nature Center** provides PRI with an array of indoor and outdoor opportunities to expand its educational mission to teach about the Earth and its life – focusing especially on the natural history of the Cayuga Lake Basin.



Named in honor of Katherine Palmer (Director, 1952-1978), **Palmer Hall** has been home to PRI since 1968, and today houses offices, labs, library and collections.

The iconic **Museum of the Earth** opened to the public in 2003 and has since become a major tourist attraction, regional educational resource, and a popular spot for community events.

# CONTENTS

	LETTER FROM THE PRESIDENT
	LETTER FROM THE DIRECTOR
	RESEARCH
	COLLECTIONS
	EDUCATION AND OUTREACH
	FISCAL YEAR 2013-2014 AT A GLANCE
	PUBLICATIONS
	MUSEUM OF THE EARTH
	CAYUGA NATURE CENTER
	CORNELL UNIVERSITY RELATIONS
	DONOR SUPPORT
	VOLUNTEERS AND INTERNS
	STATEMENT OF FINANCE
	BOARD OF TRUSTEES, TRUSTEES EMERITUS, AND STAFF

# FROM THE PRESIDENT



When you walk into the Museum of the Earth, past the stunning *Rock of Ages, Sands of Time* mural, you will be thinking of evolution in geologic time. But the evolution that has gone on at PRI during the past several years has been far more rapid and, in its own way, almost as astonishing. The merger with the Cayuga Nature Center, linked programs with the Shoals Marine Laboratory and our relationship with Cornell University as well as through the Department of Earth and Atmospheric Sciences, have all contributed greatly to our capacity to carry out our mission. We now have outstanding capabilities in Earth science and environmental education and research, from the Precambrian Era to the challenges of the present time. This mission is so vital now when the public is confronted with issues like climate change, species extinction, energy needs and fresh water scarcity, at a time when valid scientific information is desperately needed.

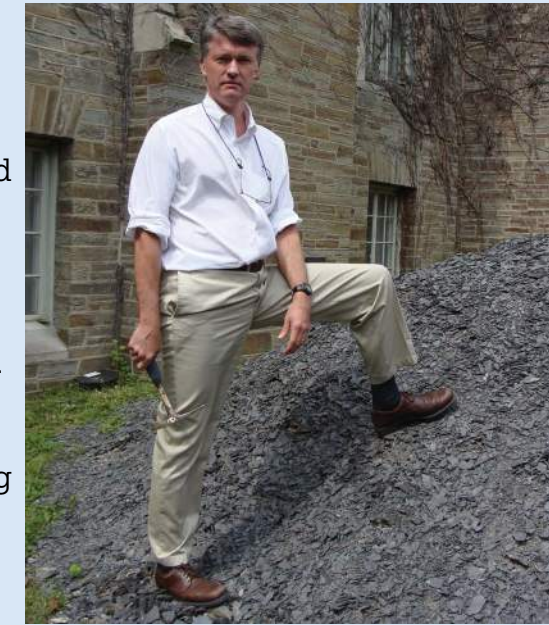
The past year's *Rock the Future* campaign has enhanced the Museum of the Earth and transformed the Cayuga Nature Center into a more exciting venue for science education. Now we are embarked on a second phase of that campaign, to create and sustain programs that will take full advantage of these new resources. This is truly an inflection point in the life of this remarkable institution, and the future is rich in potential.

Dr. James Fogel  
President, PRI Board of Trustees



# FROM THE DIRECTOR

2013-14 was a year of accomplishment, change, and challenge. PRI continues along the path it set for itself in 1992: to fulfill its potential as a nationally-significant, full-service, university-affiliated natural history museum dedicated to creating and spreading knowledge and understanding of the Earth, its life and history, and how that understanding can contribute to a more sustainable human presence on the planet.



The successful *Rock the Future* campaign, in celebration of the 10th anniversary of the Museum of the Earth, raised more than \$1.1 million. Phase one renovations of the Cayuga Nature Center lodge were completed to wide acclaim. Research by staff and students flourished. Teaching by PRI staff at Cornell and Ithaca College expanded. Ranking among the largest in the country, PRI's collections of more than three million specimens, continued to improve in curatorial condition, and the continuing transition to a better collections database system brings us into line with peer institutions.

A number of NSF grants supporting activities over the past five or more years concluded, and we worked to develop the next big grant-funded projects in education, collections, and research. Despite turnover, we aim to keep our small but well-qualified and hard-working staff as effective and productive as they can be. PRI's long, rich history has given us many gifts – of objects, reputation, and tradition – as well as responsibility. Never before has understanding the Earth been more crucial to our continued prosperity. Never has it mattered more that all people be able and willing to confront the challenges we face with reason, knowledge, and wisdom. PRI makes a difference, as society seeks to confront these challenges. We make a difference to elementary students in central New York and students at Cornell, to teachers in California and educational reformers in Washington DC, to museum educators in Florida and scientists in France.

We hope that these pages stimulate your reflection on and celebration of our accomplishments of the past year, and your resolution to help PRI to meet the changes and challenges to come. Thank you.

"So long as the beauty and philosophy of the development of life on earth intrigues the human mind, facilities for their study will be demanded." – PRI Founder Gilbert Harris, 1950

Warren D. Allmon  
Director



# RESEARCH

While PRI continues to evolve and grow, excellence in scientific research remains at the heart of our mission. Between July 1, 2013 and June 30, 2014, PRI scientists, affiliated students, and research associates (names in bold face) published 12 titles in peer-reviewed journals (plus numerous other publications and presentation abstracts not listed here). (R = Research Associate, S = student)

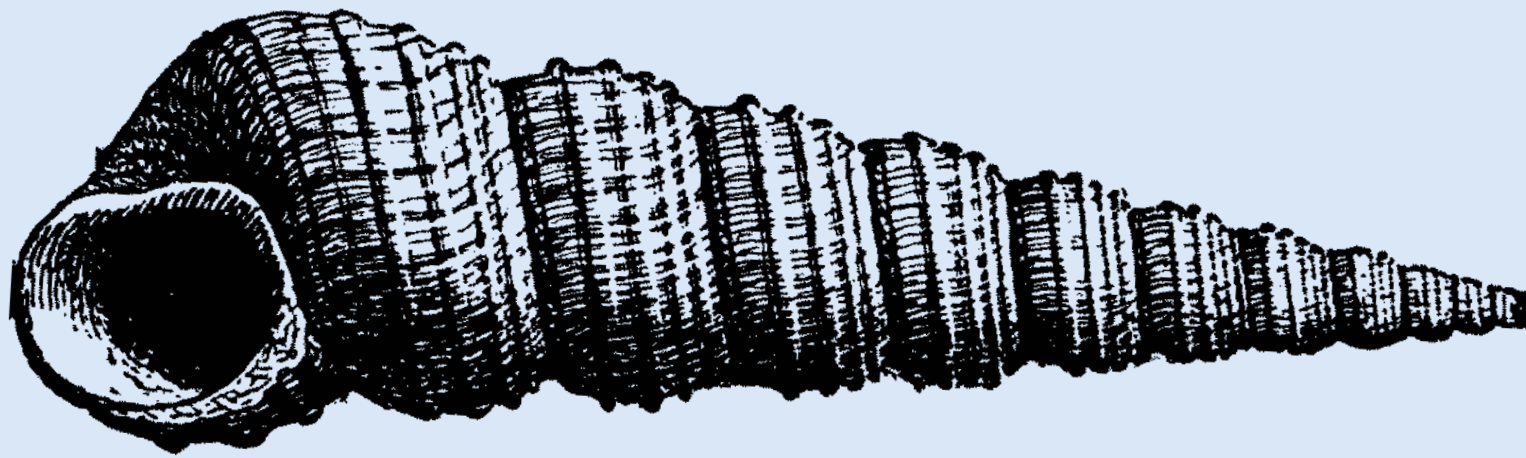
**Allmon, W. D.**, and R. E. Martin. 2014. Seafood through time revisited: The Phanerozoic increase in marine trophic resources and its macroevolutionary consequences. *Paleobiology*, 40(2):256-287.

Bieler, R., **P. M. Mikkelsen**, T. M. Collins, E. A. Glover, V. L. González, D. L. Graf, E. M. Harper, J. Healy, G. Y. Kawauchi, P. P. Sharma, S. Staubach, E. E. Strong, J. D. Taylor, I. Tëmkin, J. D. Zardus, S. Clark, A. Guzmán, E. McIntyre, P. Sharp & G. Giribet. 2014. Investigating the Bivalve Tree of Life -- an exemplar-based approach combining molecular and novel morphological characters. *Invertebrate Systematics*, 28: 32-115.

Casey, M. M., **G. P. Dietl**, D. M. Post, & D. E. G. Briggs. 2014. The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. *Biological Conservation*, 170: 137-144.

**Duggan-Haas, D.** 2013. The nail in the coffin: how returning to the classroom killed my belief in schooling (but not in public education). Pp 51–68, in: *Science Teacher Educators as K-12 Teachers*, M. Dias, C. J. Eick, & L. Brantley-Dias (eds). Springer, The Netherlands.

**Hendricks, J. R.**<sup>R</sup> 2013. Global distributional dynamics of Cambrian clades as revealed by Burgess Shale-type deposits. In: *Early Palaeozoic Palaeobiogeography and Palaeogeography*, D. A. T. Harper & T. Servais (eds). Geological Society, London, Memoirs, 38: 33–41. (doi: 10.1144/M38.4)



**Hendricks, J. R.**<sup>R</sup>, E. E. Saupe, C. E. Myers, E. J. Hermsen, and **W. D. Allmon**. 2014. The generification of the fossil record. *Paleobiology*, 40(4): 511-528.

Kissel, R. A., **D. Duggan-Haas**, and **R. M. Ross**. 2013. The ReaL Earth Inquiry Project: Introducing inquiry-driven field exploration to students across the nation. *In the Trenches*, 3(1): 6-8.

Rothschild, B. M., L. D. Martin, **B. Anderson**<sup>S</sup>, A. O. Marshall, and C. P. Marshall. 2013. Raman spectrographic documentation of Oligocene bladder stone. *Naturwissenschaften*, 100: 789-794.

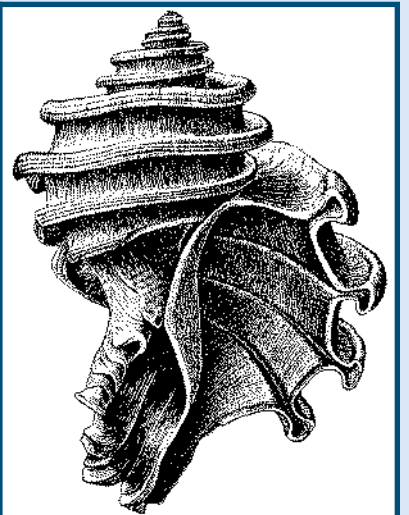
Saupe, E. E., **J. R. Hendricks**<sup>R</sup>, A. T. Peterson, & B. S. Lieberman. 2014. Climate change and marine molluscs of the West Atlantic: future prospects and perils. *Journal of Biogeography*, doi: 10.1111/jbi.12289.

Visaggi, C. C., **G. P. Dietl**, & P. H. Kelley. 2013. Testing the influence of sediment depth on drilling behaviour of *Neverita duplicata* (Gastropoda: Naticidae), with a review of alternative modes of predation by naticids. *Journal of Molluscan Studies*, 79(4): 310-322.

**Waite, R.**<sup>R</sup>, and **W. D. Allmon**. 2013. Observations on the biology of *Turritella leucostoma* Valenciennes 1832 (Cerithioida, Turritellidae) from the Gulf of California. *American Malacological Bulletin*, 31(2): 297-310.

**Wilson, D. D.**<sup>V</sup>, & C. E. Brett. 2013. Concretions as sources of exceptional preservation, and decay as a source of concretions: examples from the Middle Devonian of New York. *Palaios*, 28: 305-316.

If you are a scientist or a student, consider joining PRI as an Ecphora Member, and get exclusive benefits and opportunities to network with like-minded individuals while providing important financial support to enhance PRI's collection and scientific research efforts.





Collections volunteer Larry Jensen georeferences a collecting locality for a specimen in PRI's collection. PRI has over 3 million specimens in its collection containing everything from modern and Cenozoic mollusks to one of the most comprehensive Paleozoic invertebrate collections in the United States.

**COLLECTIONS HIGHLIGHTS**

The completion of a one-year National Science Foundation-funded project to digitize and curate the historic Hatcher collection of fossil mollusks from Patagonia collected by Princeton University in the 1890s.

Twenty-nine professional and student researchers visited PRI's research collections in the fiscal year.

Thirty-three professional and student researchers borrowed research materials from PRI's collections in the fiscal year.



PRI's research collection added significant new acquisitions throughout the fiscal year. Donated specimens came from local Paleozoic sites in central New York as well as more distant locations around the world, including fossil corals from Papua New Guinea and sea stars from Antarctica and Chile.

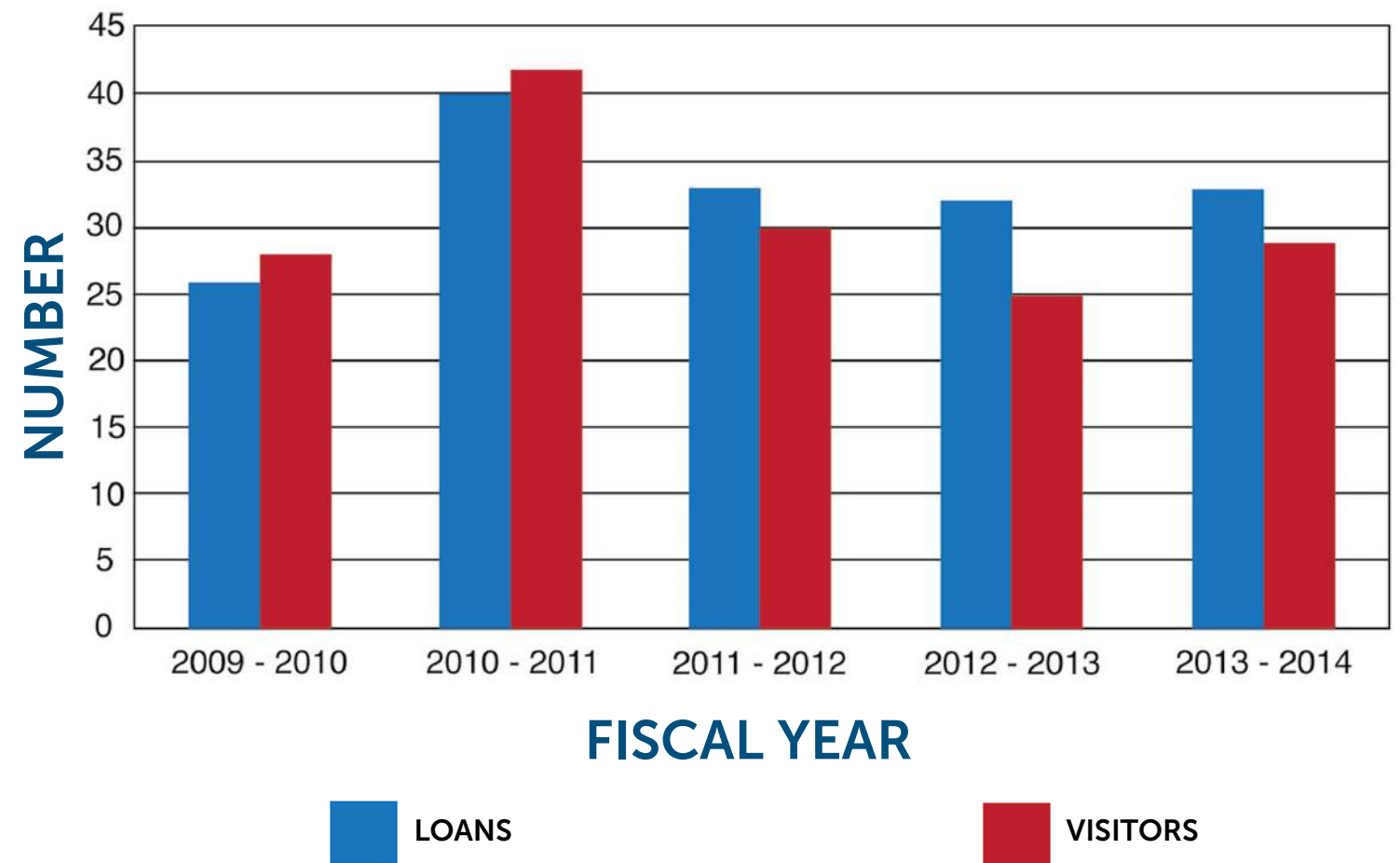
**Specimen Donors** (July 1, 2013 - June 30, 2014)

- |                       |                             |
|-----------------------|-----------------------------|
| <b>Gordon Baird</b>   | <b>Linda Ivany</b>          |
| <b>Dan Blake</b>      | <b>Richard King</b>         |
| <b>Arthur Bloom</b>   | <b>Kevin McMahon</b>        |
| <b>Carl Brett</b>     | <b>Robin Hadlock Seeley</b> |
| <b>Nancy Cool</b>     | <b>John Wehmiller</b>       |
| <b>William Furman</b> | <b>Karl Wilson</b>          |



A special thanks to all of our Specimen Donors. Their contributions make our work possible.

**Visitors to and Loans from the PRI Collections**



PRI's educational programs aim to increase science literacy at all levels of society, from early to adult learners. We are national leaders in providing innovative ideas and materials for Earth systems science education, including oceans, atmospheres, rocks, glaciers, and life itself. PRI programs reach teachers, students, and members of the general public -- at our two public educational venues in Ithaca (the Museum of the Earth and the Cayuga Nature Center) throughout central New York, and across the United States. In addition to Earth science, topics of special focus include evolution, ecology and the environment, climate and energy, and the public understanding of science. Altogether, PRI education reached more than 50,000 people in 2013-14.

## National leadership and service

PRI's education staff includes three PhDs, all of whom are well-known and involved in the Earth science education community throughout the U.S.

Director of Teacher Programs **Don Duggan-Haas** served as a member of the New York's Statewide Leadership Team for development of the Next Generation Science Standards (NGSS).

Don also served as Chairman of the Geoscience Education Division of the Geological Society of America (GSA) until October 2013 and as Past Chair for another year. GSA invited PRI to organize a short course on "teaching controversial issues" for the 125th Annual Meeting in October 2013, which proved so popular, it was requested for the next year.

Don and Associate Director for Outreach, **Rob Ross**, participated in the Summit on Undergraduate Geoscience Education, funded by the National Science Foundation (NSF) and hosted at the University of Texas at Austin, to advise NSF with ideas and priorities for improving the field in the coming decades.

Don and Climate Change Education Manager, **Ingrid Zabel**, are active members of the Climate Literacy Network, the group responsible for the Climate Literacy Principles, which are now cited in several federal educational initiatives and requests for proposals in an array of grant programs.



Find out more about PRI's National Outreach in this new video:  
[www.youtube.com/watch?v=VkgbDiQznPU](http://www.youtube.com/watch?v=VkgbDiQznPU)

## Earth System Education

### Bringing the field into the classroom

2014 saw PRI approaching the end of our \$1.8 million NSF-funded project, ReaL Earth Inquiry, to develop a national series of Teacher-Friendly Guides™ to regional Earth system science, and an associated set of teacher professional development programming and online tools. The series focuses on seven regions within the United States: Midwest; South Central; Southwest; West; Rocky Mountains; Northeast and Southeast. Managing Editor, **Mark Lucas**, oversaw writing and editing, contributed by a range of experts, both in-house and from around the country. The Guides are available as free downloads at [www.teacherfriendlyguide.org](http://www.teacherfriendlyguide.org), or for purchase in hardcopy.



### Taking the public into the field

For many years PRI has been taking families into the field. From June through September, PRI leads monthly public fossil collecting field trips to regional locales. Fossil collecting guides and identification sheets are produced with contributions from Dr. Karl Wilson, who authored PRI's new *Field Guide to the Devonian Fossils of New York State*. The 2013 season comprised visits to sites near the towns of Hamilton, Morrisville, and Jamesville, NY. The James Potorti Gorge Walks, which occur every Friday morning each August, are free geological interpretive walks through parks near Ithaca. The fifth Friday included our first public Gorge Walk through the Cayuga Nature Center's gorge.

PRI's innovative Virtual Field Experiences (VFEs) project brought the field into the classroom for teachers in workshops across the United States. VFEs offer a digitally navigable exploration of a real landscape, or even videoconferencing from the field (for example, Niagara Falls) to the classroom. In the end, each educator produced their own VFE of a site local to their school. The VFEs—and supporting materials—are housed at [www.virtualfieldwork.org](http://www.virtualfieldwork.org). In Fall, 2013, in conjunction with the annual meeting of the Geological Society of America in Denver, PRI staff ran a real-time virtual field experience for teachers in Ithaca who "participated" in a field trip to Dinosaur Ridge that was led by University of Colorado's Lon Abbot.



## Resources for Teachers

Much of PRI's educational effort is focused on K-12 teachers. In addition to our Teacher-Friendly Guide and Virtual Field Experience projects, during the 2013-14 year we reached more than 400 teachers in central New York with a variety of programs.

For more than a decade, the first Saturday of October has been PRI's Annual Teacher Resource day. In 2013, 71 Upstate NY teachers were treated to eclectic collections of thousands of surplus specimens, from basalts to butterfly mounts, as well as publications, all free to take for classroom use. PRI Director of Exhibitions **Beth Stricker**, closed the event with a talk about museum exhibit design and an advanced look at the temporary exhibition *Moving Carbon, Changing Earth*. Thirteen teachers also spent the afternoon in Virtual Fieldwork workshop. This event has been sponsored for many years by Chemung Canal Trust Company.

As we have for many years, PRI had a strong presence at the Annual Meeting of the Science Teachers Association of New York State (STANYS) in Rochester in November 2013 in Rochester, NY. **Don Duggan-Haas** presented four talks at the meeting, on the Marcellus Shale, the JOIDES Resolution, and Virtual Fieldwork Experiences.

## Climate and Energy

### Marcellus Shale and Energy Education

The Marcellus Shale is a black Devonian-aged rock layer that contains abundant natural gas. The possibility of extracting gas from the Marcellus, which underlies much of Pennsylvania and New York, has polarized many communities, especially because of the method of extraction by "horizontal, high volume, slickwater hydraulic fracturing", or "hydrofracking". As a culmination of several years of NSF-funded research and outreach, in fall 2013 PRI published *The Science Beneath the Surface: A Very Short Guide to the Marcellus Shale*, by **Don Duggan-Haas**, **Rob Ross**, and **Warren Allmon**. Many copies of the book have been provided free to educators in workshops on the Marcellus



and energy education. Information, including the table of contents and a sample chapter, are available at [www.priweb.org/marcellusbook](http://www.priweb.org/marcellusbook). As an extension of the project, a three-part series addressing the Draft 2014 New York State Energy Plan and the public response to it, was posted on PRI's Climate Change 101 blog, GSA's Speaking of Geosciences blog, and the Western New York Environmental Alliance's [www.GrowWNY.org](http://www.GrowWNY.org) blog.

### Climate change education at the Cayuga Nature Center.

In FY14, with support from the Park Foundation and donors to the Rock the Future campaign, PRI weaved climate change education into a variety of programs at the Nature Center. We opened the new Leopold Climate Room, which features exhibits on how changing climate is affecting both nature and agriculture in the Cayuga Lake Basin. During the Nature Center's summer camp, children learned how to measure temperature, wind speed, clouds, sunlight, and water, and learned how tree rings can serve as indicators of past climates. Climate change concepts have also been incorporated into non-camp programs such as guided hikes through Smith Woods and animal programs.

### Glacier lecture series

During the winter of 2013-14, **Ingrid Zabel** organized a public lecture series at the Nature Center and the Museum on glaciers and their relationship with a changing climate, in celebration of the new glacier exhibit in the Museum of the Earth. The lectures, listed below, were sponsored by Ithaca-based building energy consulting firm, Snug Planet, and can be found on **PRI's Youtube Channel**.

- Dr. Matthew Pritchard, Cornell University, *Watching glaciers change from space - links to pioneering Cornell glaciologist Ralph Stockman Tarr (1864-1912)*
- Dr. Daniel Karig, Cornell University, *The deglaciation of the Ithaca area: An outrageous new model based on recent field data*
- Dr. Mike Willis, University of North Carolina--Chapel Hill, *Scientific progress goes 'boink': Earth's spring-like motions caused by glacier mass changes*
- John Fegyveresi, Penn State University, *Two Miles of Climate History: How we Drilled the Deepest Ice Core in Antarctica, and Why*
- Laura Faye Tenenbaum, NASA JPL, *Celebrating Earth Day: Reconnecting with Planet Earth.*

## Interns in action

### Glacier exhibition programs

During the summer of 2013, PRI intern Gaylen Sinclair created educational materials to accompany the Museum glacier exhibit, including a brochure, a Discovery Box (activities for Museum visitors), classroom activities for grades K-3, and an annotated map to a walking trail with glacial features at the Cayuga Nature Center. Gaylen is now a PhD. candidate at Oregon State University and was awarded an NSF Graduate Research Fellowship.

### Coral exhibition programs

From summer 2013 to summer 2014, PRI intern and work-study student Lily Eisermann (Cornell University class of '14) created a variety of programming for the new Museum coral tanks, including content for the PRI website and brochures with photographs and descriptions of all tank species.





## Evolution Education

### Teacher Friendly Guides to Evolution

PRI has two online books for teachers on how to teach evolution using organisms that are familiar to students. *The Teacher-Friendly Guide™ to Evolution Using Bivalves as a Model Organism* provides the background to teach evolution using these familiar, attractive, and easily available organisms, many of which offer fascinating biological and cultural stories. *The Teacher-Friendly Guide™ to the Evolution of Maize* uses one of the best examples of crop domestication and genetic inheritance. The Guide teaches with maize from many perspectives—from biology and anthropology to the importance of scientific methods and the impact of women in science.

### Fossil Finders

*Fossil Finders* is a \$1.5 million NSF-funded project involving a collaboration between science education researcher Barbara Crawford at the University of Georgia (formerly Cornell) and PRI. The project helps teachers and students understand principles of evolution, geologic time, and the nature of science, by bringing real science to the classroom and asking students to measure and classify Devonian fossils from Central NY. More than 12,000 specimens from 10 layers were measured by students.

### Darwin Days

Education about evolution and why it is at the center of all of biology and paleontology is a core mission of PRI's educational programming. Our "Evolution Project" programs include a diversity of approaches, from Ithaca's annual Darwin Days celebration to publications to exhibits to workshops for teachers.

Since 2006, PRI has hosted Ithaca's Darwin Days, an annual celebration of the birthday (February 12) and ideas of Charles Darwin (1809-1882), in collaboration with Cornell University. Our theme in 2014 was "Evolution and the Fossil Record," and events included a Family Day at the Museum; screenings of *Creation: The True Story of Charles Darwin*; and *Jurassic Park*, at Cinemapolis and Cornell Cinema; participation in Ithaca's Science Cabaret; a science trivia night at Cornell; as well as a panel discussion at Cornell University on *Illustrations of Evolution in the Fossil Record*. The screening of *Jurassic Park* included an introduction from the film's dinosaur consultant, PRI Artist-in-Residence John Gurche. Warren Allmon capped the week's activities with the presentation *Darwin and Paleontology* at the Museum.



## Traveling Exhibitions

***Maize: Mysteries of an Ancient Grain*** is a small traveling exhibit created in collaboration with the Institute for Genomic Diversity at Cornell, through a grant from the National Science Foundation. The traveling exhibition focuses on the evolution and genetics of corn, as well as its role throughout human history. In FY14 the Maize exhibition was hosted by the Smith College Botanic Garden in Massachusetts, the Bell Museum of Natural History in Minnesota, and the Great Swamp Conservancy in Upstate New York. The exhibition is currently booked through November 2016.

***My Climate, My Community: Weird Weather*** is an exhibit on regional climate change designed to be appropriate for small venues in rural communities around the state of New York. It was developed through grants from the National Science Foundation and Park Foundation. In FY14 the exhibit was on display at Jefferson Community College (Watertown, NY), Delaware-Chenango-Madison-Otsego Board of Cooperative Educational Services (BOCES) in Norwich, NY; and the Tompkins County Sustainability Center.





## EDUCATION & OUTREACH

Federal and local grant support for education and exhibits allowed us to reach audiences in Tompkins County and across the country. The following grants were active during FY2014:

### National Science Foundation

- Enhanced Earth system teaching through Real Earth Inquiry: NSF DRL 0733303, Aug 15, 2007 – July 31, 2015, \$1,763,588
- Fossil Finders: Using Fossils to Teach about Evolution, Inquiry and Nature of Science: NSF DRL 0733223, Jan 1, 2008 – Dec 31, 2014, \$1,491,746, \$266,951 to PRI (partnership with Cornell and U Georgia departments of education)
- Phylogeny on the Half-shell – Assembling the Bivalve Tree of Life, NSF DEB 0732860, Sep 15, 2007 – Aug 31, 2013, \$499,990
- Educator Professional Development on Energy and Environment: A Case Examples Focusing on Marcellus Shale Natural Gas Drilling: NSF GEO 1035078, September 16, 2010 – August 31, 2013, \$149,297
- Temporary exhibition and teacher professional development resources on the carbon cycle and climate change. NSF 1049033, April 1, 2011 – March 31, 2015, \$60,736 to PRI (outreach on behalf of research at Cornell University)
- Traveling exhibit and teacher professional development on evolution of maize, associated with maize genetics research. (IOS 1238014, May 15, 2013 – April 30, 2018, \$217,124 to PRI (outreach on behalf of research at Cornell University)

### Institute for Museum and Library Services

- National Leadership Grant: Developing resources for K12 and Museum personnel to improve public understanding of evolutionary trees. December 1, 2012 – November 30, 2015, \$401,833, \$38,693 to PRI (lead organization UC Berkeley; partnering organizations Yale Univ., Univ. Kansas, PRI)

### Park Foundation

- Developing a long-term climate change exhibition and citizen science at the Cayuga Nature Center. April 1, 2013 – March 31, 2014, \$40,000
- Park Foundation: Developing K12 and public programming on climate change at the Cayuga Nature Center. April 1, 2014 – March 31, 2015, \$25,000



## Community Accessibility Program:

PRI's Community Accessibility Program (CAP) was developed in 2004 to ensure that our Earth science and environmental education is available to everyone regardless of resources or special needs. During fiscal year 2014, CAP allowed 1,677 visitors to come to the Museum free of charge.

To learn more see: [www.priweb.org/donate](http://www.priweb.org/donate)

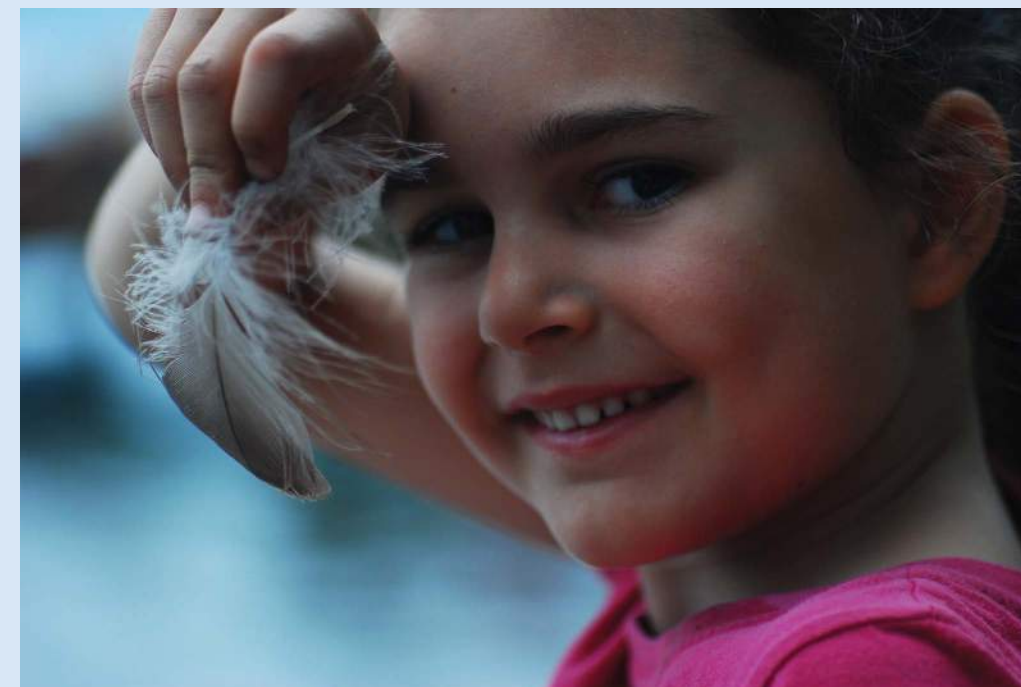
### CAP has four components:

- **Winter Free Days:** One Sunday per month from January to March, PRI opens the doors of both the Museum and the Nature Center to anyone who would like to come
- **Community Day:** Each May, PRI celebrates community with extra activities and programs, and no admission charge.
- **Agency Memberships:** Provide free passes and group tours, as well as summer camp opportunities and discounts on programs and field trips to the users of select social service organizations and agencies.
- **Blue Star Museums:** from Memorial Day to Labor Day, PRI joins more than 2000 museums by offering free admission to the nation's active-duty military personnel and their families, including National Guard and Reserve.

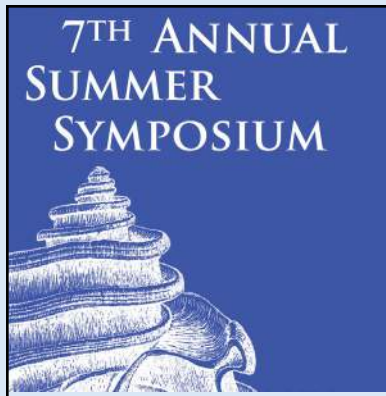
In addition to CAP, PRI has two other programs that help support access to our resources in the community:

- **Donations to Community Organizations:** In FY2014, PRI donated more than \$4,000 worth of memberships to community groups and organizations to use in fundraising efforts.
- **Cayuga Nature Center Summer Camp Scholarships:** In 2014, PRI twenty individual need-based summer camp scholarships were awarded to children in the Ithaca area, thanks to community support from people like you.

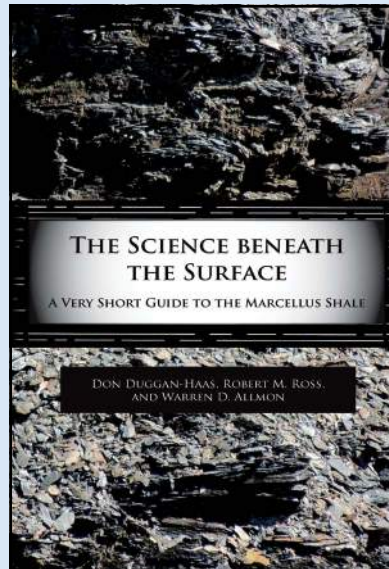
*My boys have a curiosity for nature and adventure because they were able to attend Cayuga Nature Camp. The Cayuga Nature Camp scholarship fund will open the outdoors to more kids. What a great gift to give!*  
–Heather G. Lane,  
Camp Scholarship Sponsor,  
Purity Ice Cream



# FY 2013-14 AT A GLANCE



**3-4** - 7th Annual Summer Symposium  
**14** - Tompkins County Chamber of Commerce Business After Hours at Museum of the Earth



**5** - Teacher Resource day  
**16** - National Fossil Day  
**24** - *Science Beneath the Surface* released  
**26** - PRI staff attended the 125th annual meeting of the Geological Society of America (GSA), Denver, CO



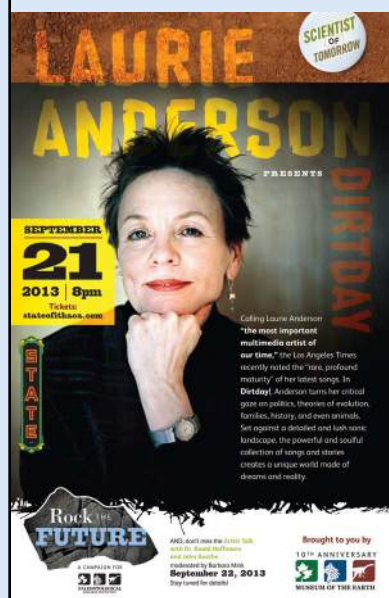
**5** - Artist-in-residence John Gurche book signing at Museum of the Earth-*Shaping Humanity: How Science, Art, and Imagination Help Us to Understand Our Origins*  
**6** - Our Changing Climate exhibit opens, Nature Center



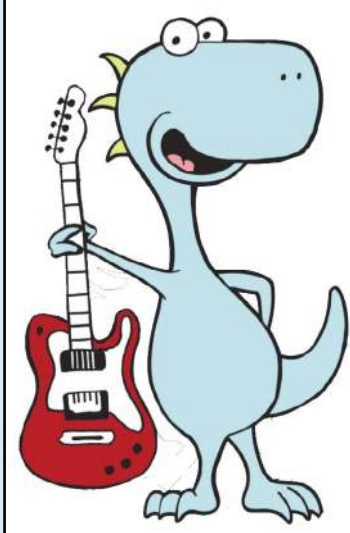
PRI Director Warren Allmon participates in the teaching of the evolution class at Shoals Marine Laboratory in the Gulf of Maine



**21** - Laurie Anderson at State Theater  
**27** - 10th Anniversary of Museum of the Earth opening  
**29** - Fox Trot Fall Festival and 5k run



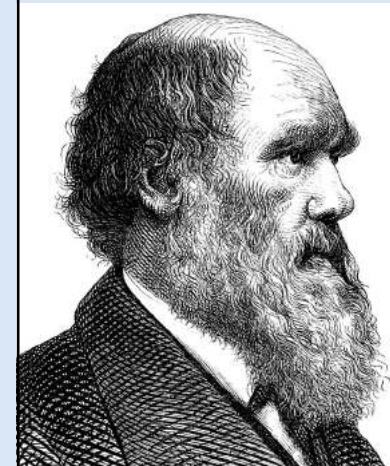
**3-5** - PRI staff attended the Science Teachers Association of New York State (STANYS) conference, Rochester, NY  
**10** - Dino Jam at museum, supported by WSKG  
**17** - Glacier Lecture Series continues



**15** - Nature Center lodge renovations break ground  
**26** - Glacier Lecture Series continues



**6** - Water main break in the Biggs Building of Cayuga Medical Center, means 2500 sf of collections storage lost  
**8-13** - Darwin Days- Evolution in the Fossil Record- see lectures on youtube  
**23** - Glacier Lecture Series continues



**1** - Philip Glass and special guest, Tim Fain at the State Theatre  
**16** - Glacier Lecture Series continues  
**30** - 8th grade PRI volunteer, Martin Welych-Flanagan's project, The Effects of Short-Term Sea Level Fluctuations on Devonian Brachiopods, wins highest honors and more at 2014 Central New York Science & Engineering Fair



**4** - Night at the Museum, featuring CSI, Dino yoga and more!  
**18** - Earth Day and Glacier Lecture Series



**3** - Gala, Age of Aquaria  
**17-18** - Dr. Scott Sampson Weekend  
**28** - Under the Isles of Shoals: Archaeology on Smuttynose Island exhibit opens, Museum



**22** - Summer Solstice Festival and unveiling of renovations, Nature Center



# PUBLICATIONS

## BULLETINS OF AMERICAN PALEONTOLOGY:

We published one issue of *Bulletins of American Paleontology* since the last report. In December 2013, Kate Bromfield (Environmental Protection Authority, New Zealand) published her monograph on the Neogene corals of the Indo-Pacific (Indonesia, Papua New Guinea, and Fiji). Twenty-two new extinct species were described in this volume, extending in geological age back to the Miocene Epoch (16.9 million years ago).

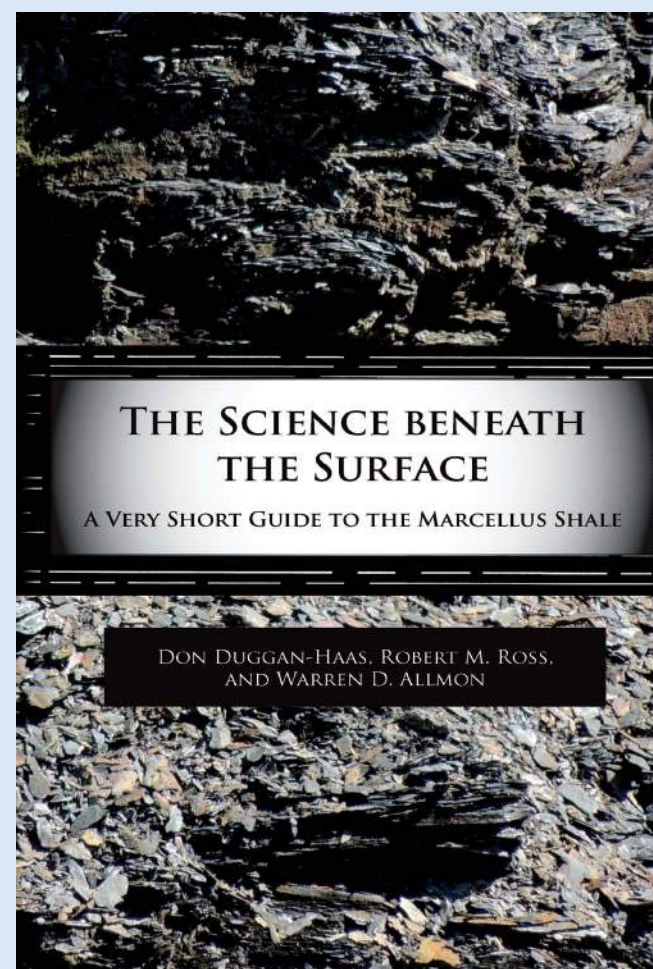
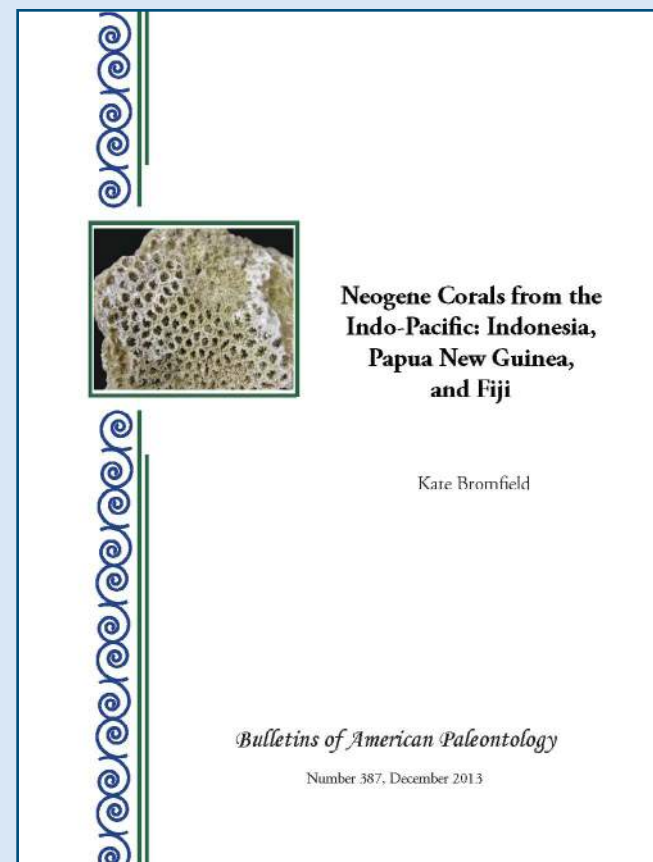
Despite only one issue being published in the past year, *BAP* is in a very healthy stage heading into fiscal year 2015. Now in various stages of pre-production are six monographs on: Silurian echinoderms of west-central Tennessee (Craig Clement and Carl Brett), the Cretaceous fauna of south-central Colorado (Erle Kauffman), the history of paleontology in Virginia (Lauck Ward), Paleocene gastropods from Maryland (David Govoni, Thor Hansen, and Warren Allmon), Eocene decapod crustaceans from North America and Europe (Adina Frantescu), and the enigmatic Paleozoic taxon Eldionata (Breandán MacGabhann and John Murray). We know of at least another seven manuscripts in preparation for submission.

## EVOLUTION: This View of Life:

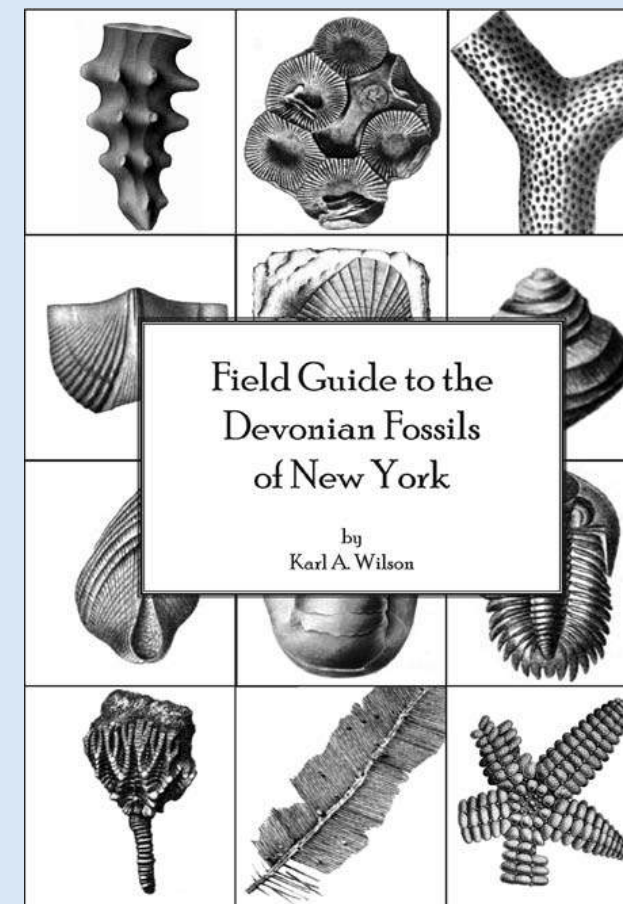
PRI continues to produce the Paleontology page for *Evolution: This View of Life*, ([www.thisviewoflife.com](http://www.thisviewoflife.com)) an online magazine published by the Evolution Institute at Binghamton University. Two part-time staff members, Laura Komor and Sasha Paris, generate content by soliciting original articles and book reviews, and facilitating "Paleonews" contributions by volunteer science writers. The latter postings detail new findings in paleontology, and serve as an online continuation of the popular PaleoNews column in the discontinued *American Paleontologist* magazine. Our Paleontology section of ETVoL is the website's second most successful section in terms of postings and views and continues to generate interest by outside scientists as a venue for promoting their new research. PRI's Life and Ecphora Members receive a special biweekly e-newsletter that includes this content.

## SPECIAL PUBLICATIONS

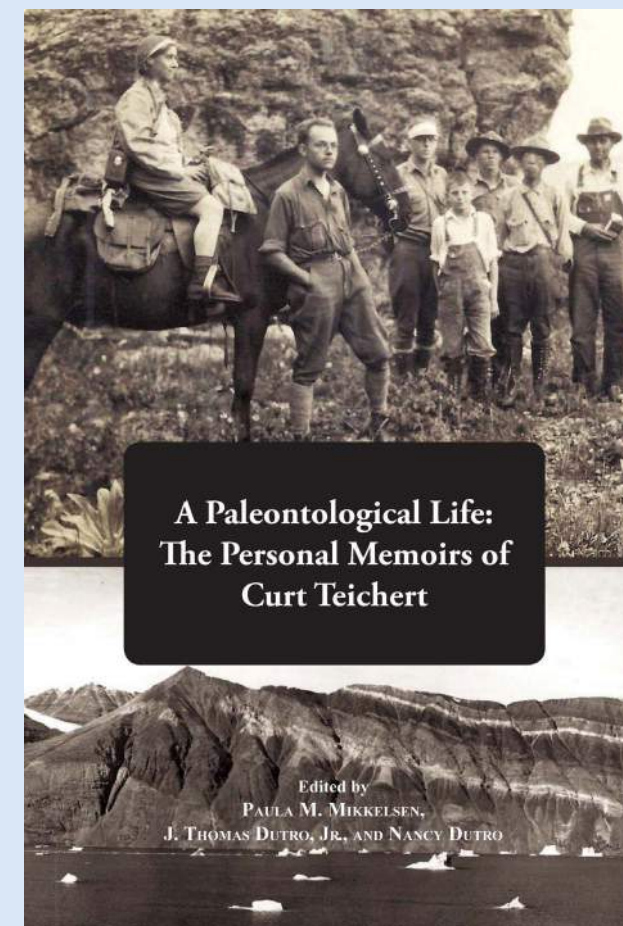
*Science Beneath the Surface: A Very Short Guide to the Marcellus Shale* by Don Duggan-Haas, Rob Ross, and Warren Allmon, was published in hard-copy and e-book formats in October 2013. It continues to sell well and has been used in at least four college courses that we know of this past year.



Another long-anticipated volume, published in Summer 2014, is *Field Guide to the Devonian Fossils of New York* by Karl A. Wilson. Karl is a retired biochemistry professor from University of Rochester, but is a life-long avocational paleontologist, well-versed in Devonian fossils. This volume, combining the best of modern paleontology with the classic illustrations of James Hall, John Clarke, Amadeus Grabau, and Winifred Goldring, replaces the long out-of-print *Devonian Paleontology* by New York by David Linsley (PRI, 1994). In all, 408 taxa are covered in the new volume, spanning the rich taxonomic breadth of New York's Devonian strata.



Also released in 2014 is the much anticipated *A Paleontological Life: The Personal Memoirs of Curt Teichert*, edited by Paula M. Mikkelsen, J. Thomas Dutro Jr., and Nancy Dutro. These previously unpublished memoirs document Teichert's exciting life and his influence on 20th century Earth science, and includes dramatic accounts of his long and fascinating career, spanning 60 years of adventure including Arctic fieldwork, an escape from Nazi Germany, working in the Australian outback, and cooperating with Iranian, Pakistani, and Afghan colleagues in the days before terrorism. Teichert was a world authority on fossil cephalopods, published on topics from Gondwanan geology to fossil reefs, described more than 280 new species, founded international paleontological societies, and contributed to the *Treatise on Invertebrate Paleontology*.





## 10th Anniversary Events

### Laurie Anderson Weekend

In September, PRI held a special *Weekend with Laurie Anderson* event, which featured *Dirtday!*, a performance by Anderson at the State Theater as well as an artist panel held at the museum and facilitated by led by Barbara Mink. **The panel** featured Ms. Anderson, Dr. Roald Hoffmann, the Frank H.T. Rhodes Professor of Humane Letters Emeritus at Cornell University and 1981

chemistry Nobel laureate, and the Museum of the Earth's Artist-in-Residence John Gurche,

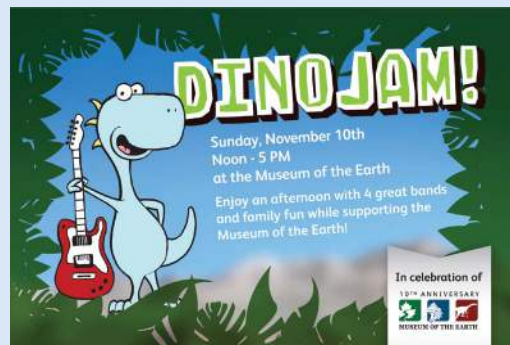
### Philip Glass with Special Guest Tim Fain at the State Theatre of Ithaca

In March, PRI sponsored a performance by world renowned composer and pianist, Philip Glass, and special guest, Tim Fain, at the State Theatre. Through operas, symphonies and collaborative work, from concert halls to cinema and even popular music, Glass has had an



**Dr. Scott Visits PRI!** In May, PRI hosted a fun-filled weekend with Dr. Scott Sampson from the Denver Museum of Science and Nature, and host of the PBS KIDS hit series, *Dinosaur Train*.

Museum events featured *Dr. Scott Talks Dinosaurs*, an interactive presentation tailored for dinosaur enthusiast of every age, and *Dinosaurs of the Lost Continent*, an academic lecture tailored for scientists and science enthusiasts. At the Cayuga Nature Center, Dr. Scott presented "Getting to Know the Neighbors", for nature lovers of all ages.



### Dino Jam

This family-friendly day of live music raised funds for the Rock the Future Campaign and featured local bands Pete Panek & The Blues Cats, Not From Wisconsin, Cats Elbow, Technicolor Trailer Park, and the Harry Nichols Band as well as dinosaur crafts, refreshments, and dancing under the whale.



## Temporary Exhibits

### Raising the Dead: the Art and Science of John Gurche

**Summer, 2013** This fascinating exhibit explored the intersection of art and science through the works of world-renowned Paleo-artist and PRI's artist-in-residence, John Gurche.



### Rock of Ages, Sands of Time: A Look Back with Barbara Page

**Fall, 2013** The notes, sketches, and drafts by nationally-renowned Trumansburg-based artist Barbara Page were featured in this exhibit, teaching visitors about the iconic mural, *Rock of Ages, Sands of Time*. The series of 544-three dimensional paintings, each representing one million years of history, function as a visible metaphor for an eon, or 550 million years, of Earth's past.



### Moving Carbon, Changing Earth

**Fall, 2013** Created in collaboration with Cornell Professor, Dr. Natalie Mahawold, based on her NSF funded research, this exhibit on climate and the global carbon cycle allowed visitors to Learn what carbon is and how its movement affects the planet.

### eARTh

**Spring, 2014** A collaboration in celebration of the museum's 10th anniversary and the State of the Art Gallery's 25th anniversary, this two part exhibit took place in both the museum's Borg Warner gallery and the State of the Art Gallery in downtown Ithaca, and reflect concerns about climate change as interpreted by a range of artists.

10<sup>TH</sup> ANNIVERSARY



MUSEUM OF THE EARTH

The Museum of the Earth celebrated its 10th anniversary in FY14, which set the tone for the entire year, with extra special events, temporary exhibits and special guests, as well as a successful capital campaign.



The successful Rock the Future campaign raised more than \$1.1 million and has, and continues to, breathe new life into both the museum and the Cayuga Nature Center with new exhibits and upgrades, facility enhancements, and vastly improved visitor experiences. Thank you to all who contributed!



Nearly 500 Tompkins County elementary students visited the museum through the KDT program! Learn more at: [www.kidsdiscoverthetrail.org](http://www.kidsdiscoverthetrail.org)

## Renovations

As part of the Museum of the Earth's 10th anniversary Rock the Future campaign, the Cayuga Nature Center saw a burst of much needed updates to the building and exhibits, making the space more physically accessible and appealing to visitors, and improving the educational capabilities of the venue.



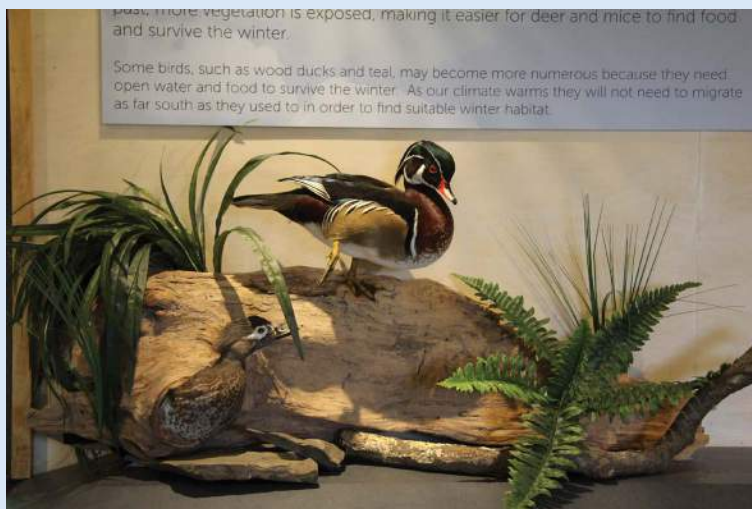
The most important of the improvements has been the new façade and entrance for the lodge. Designed by Claudia Brenner and built by McPherson Builders, the changes compliment the historic features of the 1939 building. The new entrance features a lobby with new exhibit area, as well as a small gift shop.

## Exhibit Changes...

**Cayuga Lake: Then and Now:** This prototype exhibit showcases the changes in the types of fish dominating Cayuga Lake 500 years ago and today. The eventual permanent exhibit will feature large fish tanks.

**Welcome Exhibit:** Featuring the original watercolor Cayuga Basin Bioregion map, by Sandy Wold and Camille Doucet, this exhibit greets visitors as they climb the stairs to the great room of the lodge.

**Animal Room:** The live animal room received a face lift, and, along with the exterior enclosures,



**Our Changing Climate:** focusing on the Cayuga Lake Bioregion, this exhibit, in the Leopold Climate Room, addresses issues such as invasive species and the effect of climate change on agriculture and established habitats, and augments educational programming of the Cayuga Nature Center.



### Additions to the Animal Collection

During FY14, a variety of new animals joined Cayuga Nature Center's growing family of non-releasable animals.

- Western hognose snake (Wilbur)
- Black rat snake (Kali)
- Milksnake (Milkbone)
- Fancy domestic rats (Iris and Honeysuckle)
- Leopard geckos (Gaia and Gita)
- Mudpuppy (Falkor)
- Wood Turtle (Glen)
- Eastern box turtle (Shelby)



## Program Highlights:

**Team Challenge:** 1,074 visitors took advantage of the Nature Center's team building ropes course program.

**Camp:** More than 800 youth participated in summer and school's out camp programs, with close to 20 taking advantage of the PRI's camp scholarship program.

**Kids Discover the Trail:** Nearly 600 Tompkins County elementary students were able to visit the Cayuga Nature Center through KDT, a community accessibility project of the Discovery Trail and The Ithaca Public Education Initiative.



# CORNELL UNIVERSITY RELATIONS

PRI remains separate from Cornell University, but after sixty years of separation and over the course of the past two decades, PRI and Cornell have reestablished multiple formal and informal connections, and collaborate in a multitude of ways. Most notably, in 2008, the Hunter R. Rawlings, III Professorship in Paleontology was established in Cornell's Department of Earth & Atmospheric Sciences, which can only be held by an individual who is also Director of PRI. In 2010 the two institutions renewed their formal agreement of affiliation for a second five years.

## Teaching & Research

The Museum of the Earth serves as a teaching resource for Cornell, both formally and informally. Several classes require their students to complete exercises in the Museum exhibits. PRI collections are regularly used by Cornell faculty, staff, and students for research and teaching. PRI staff and facilities constitute the great majority of the nonbotanical paleontology program for Cornell. Four PRI staff members hold full or adjunct faculty positions in the Department of Earth and Atmospheric Sciences (EAS).

Director **Warren Allmon** teaches the equivalent of about 1.5 undergraduate courses per year, including Evolution at Shoals Marine Laboratory off the coast of Maine, as well as advising graduate students in EAS. He currently has two PhD students. Altogether, seven students have received Ph.D.s from Cornell under Dr. Allmon's supervision. Director of Collections **Greg Dietl** supervises two Ph.D. students in EAS. Both Greg and Warren also supervise undergraduate research students.

Associate Director for Outreach **Rob Ross** teaches a summer course for EAS called "Earth in the News."

Associate Director for Science **Paula Mikkelsen** was appointed as an Adjunct Professor in EAS in early 2014. She also assumed responsibility for teaching Invertebrate Zoology at Shoals Marine Lab.



## Outreach

PRI continues to contribute to Cornell's land-grant mission by facilitating public outreach in collaboration with various faculty and units of the University.

The 2013-14 year saw the conclusion of a major four-year collaboration with Cornell Cooperative Extension focused on educational outreach around natural gas drilling in the Marcellus Shale. In the fall of 2013, the Museum of the Earth was the site of a special temporary exhibit on climate and the global carbon cycle, put together in collaboration with EAS Professor Natalie Mahawold based on her NSF-funded research. This year we also began a major new collaboration with EAS Professor Lou Derry and colleagues, to provide outreach activities connected with the newly NSF-funded national office of the Critical Zone Observatory system.

PRI continues to serve as the informal "outreach arm" of the EAS department. In this role we develop temporary exhibits on research by EAS faculty, staff, and students for display in the Museum, manage fossil exhibits in Snee Hall on campus, staff the department's tables at annual campus events for alumni and incoming freshmen, and serve as "Cornell experts" to the media on relevant topics, from the Marcellus Shale to dinosaurs and evolution. Each year since 2006, PRI has taken the lead in organizing Ithaca's annual Darwin Days celebration, most of which happens on the Cornell campus and features Cornell faculty and students. In February 2014, the theme was "Evolution and the Fossil Record", and a total of around 400 people – mostly from Cornell – participated in the week's events.



# DONOR SUPPORT

## ANNUAL FUND 2013-14

### INDIVIDUALS

#### Darwin Society (\$10,000+)

Anonymous (2)  
Gordon and Carol Baird  
Philip and Susan Bartels  
Percy Browning  
Myra Shulman and James Morin  
Don and Dolly Wilson

#### Devonian Society (\$5,000-\$9,999)

Merle Adelman and Ron Menner  
Leslie D. Appel and Keith Baier  
Elisabeth Boas  
H. Allen and Jane Curran  
Linda Ivany and Bruce Wilkinson  
Derek and Leora Kaufman  
Egbert Giles Leigh Jr.  
Lynn B. Leopold  
D. Jeffrey Over  
Armour Winslow

#### Cayuga Society (\$2,500-\$4,999)

Brian and Lori Bauer  
Shirley K. Egan  
William R. Engles, Jr. and Emmeline S. Chang  
John Handley and Kym Pocius  
Melzar T. and Jane Richards  
Frost and Kate Travis  
William Young and Wende Logan-Young

#### Gorges Society (\$1,000-\$2,499)

John Allen and Ann Callaghan  
Warren Allmon and Jennifer Tegan  
Larry and Trudy Baum  
Jennifer and Alan Biloski  
Peter and Ursula Browning  
James and Theresa Bugh  
J. David Bukry  
Nellie Corson  
Patricia and Tom Davis  
Lenore and Verne Durkee  
Howard and Erica Evans  
Rodney M. Feldmann and Carrie E. Schweitzer  
Joanne V. Florino  
Karl Flessa and Mari Jensen  
Stuart Grossman  
David Heidemann and Beth Fischer Heidemann  
Roxi Hewertson  
Bob and Joan Horn  
Bryan L. Isacks and Marjorie Olds  
William Kirchgasser  
Harry and Sarah Lee  
Samantha Lesser  
Rob and Maggie Mackenzie  
Jean and Daniel McPheeters  
Amit and Heather Patel  
Edward B. Picou Jr.  
Jean F. and Elizabeth Rowley

Jan and Susan Suwinski  
John W. Hermanson and Lynn Swisher  
Roger D. K. Thomas  
William P.S. Ventress  
Thomas and Carolyn Waller  
Catherine and Michael Whalen  
Gene and Jeanne Yarussi

#### \$500-\$999

Ric Allen  
David and Mary Lee Banfield  
Kenneth Ciracks  
James and Lirken Cordes  
Tom and Barbara Dimock  
J. Mark Erickson  
Stephen Fletcher  
Jim and Judy Fogel  
Brian Garland  
Carole Hickman  
John W. Hoffman  
Teresa E. Jordan and Richard W. Allmendinger  
Carol Kammen  
R. Carolyn Lange  
Michael and Michele Lucas  
Bruce MacFadden  
Catherine McCarthy and Paul Davis  
Amy McCune and David Winkler  
David and Kani Meyer  
Diane and Jeff Newton  
John and Mary Lou Pojeta  
Marvin P. and Allison Pritts  
Frank and Rosa Rhodes  
Dorothy Rinaldo  
Dale Springer  
David and Marisue Taube  
Arthur Waterman  
Cindy and Geoff Wright

#### \$250-\$499

Robert H. Abrams  
Anonymous  
Jeri and Mark Appel  
Ellen Avril  
William and Nancy Bellamy  
Arthur Berkey  
Patricia Charwat  
Timothy and Mary Ann Colbert  
Harold Craft  
Ann Dalton  
Caitlin Darfler  
Clover Drinkwater  
Dirk and Wendy Dugan  
Robert Elias  
John and Molly Fitzpatrick  
David and Mary Flinn  
Tim Graham  
Michael and Debbie Kamarck  
Patricia H. and Jonathan Kelley  
Mary Alyce Kobler  
Linda Mack and Jim Johnston

Christopher Maples and Sara Marcus  
Heather and Andrew Miller  
Katy and Art Pearce  
Andrew Rappaport and Lorna Bayer  
Joseph and Molly Reynolds  
Abdul Razak and Emma Sheikh  
David J. Schuller  
Mary Shuford  
Nancy E. Spaulding  
Paul Steiger  
Daniel A. Vellone  
Peter T. Wolczanski  
Ingrid and Mark Zabel

#### \$100-\$249

Andrea Alary and Karen Hollands  
Robin Andersen and Guy Robinson  
Gayleen and Edward Austen  
Suzanne and Curtis Banta  
Wrexie and Peter Bardaglio  
Robert Barlow  
Keith Batman and Barbara Post  
Rose Bethé  
Elizabeth Bilson  
Daniel Blake  
Susan Blumenthal and David L. Kreinick  
Lori J. and Dave Brewer  
William and Heather Brice  
Leslie Brill  
Kenneth and Jan Bruning  
Derek and Nora Burrows  
Maija Cantori  
Brenda and Michael Cavallo  
Donna and Alton Clark  
Seth Cohen and Allison Romano-Cohen  
Randall and Valerie Cole  
David and Carolyn Corson  
G. Walton and Jean Cottrell  
Ted Daeschler  
Cody and Leslie Danks Burke  
Jeffery and Sydney Davis  
Jeffrey Dean  
David and Peggy Dunlop  
Stephen and Natalia Emlen  
David Evelyn and Jennifer Weinraub  
David Fernandez  
Kate and John Finn  
Donna Fleming and Rick Kaufman  
Theresa Fulton  
Ilene Gaffin and Richard Entlich  
Loren Gardner  
Albert George and Judith Van Allen  
Christine Goodale  
Mary and Bradley Grainger  
John Guckenheimer and Meredith Kusch  
Nelson and Whit Hairston  
Stuart A. Hammer  
Tim and Lina Harris  
Ronald and Rebecca Harris-Warrick  
Robert and Margaret Hendricks

David and Stephanie Herrick  
Elinor Hoffmann and Julian Sosner  
Ronald Hoy and Margaret C. Nelson  
Andre and Jean Jagendorf  
Lucia and Georg Jander  
Claudia Johnson and Erle Kauffman  
Barbara Johnson Foote  
Jacob Jones  
Mary Kane  
Peter and Mary Katzenstein  
Judith Kennison and Marlene Sack  
Gilbert Klapper  
Barbara Knuth and Kurt Jirka  
Lillian Lee  
Fred Leff  
Bram Lehman  
Peter and Susan LeVangia  
Alan and Gladys Leviton  
Patricia Long  
Virginia U. Lovelace  
Timothy Martinson and Joanna Lynch  
Randy and Terry Marcus  
William and Shirley McAneny  
Susan Merkel  
Bruce Monger  
Carol and John Morris  
Vincent Mulcahy and Cynthia Livermore  
Pamela Muller  
Colin Parrish and Debra Nero  
Michael Pinnisi and Paige Anderson  
Beth Prentice and Thys Van Cort  
Osborne and Monica Nye  
Teresa M. O'Neill  
Cal and Joan Organ  
Catherine Penner  
Lyn Pohl  
Ed and Roberta Przybylowicz  
Mariana Rhoades  
Carroll Rikert Jr.  
Robert Rosé  
Carolyn Sampson  
Michael and Janet Shay  
Roger and Carol Sibley  
Judith T. Smith  
Jeffrey and Suzanne Snedeker  
John C. Steinmetz  
James and Deborah Stewart  
Charles Ver Straeten  
Kevin and Helen Talty  
Margret Thompson  
Charles and Nancy Trautmann  
Norman A. Turkish and Sarah Beth Canaday  
Thomas and Jane VanDerzee  
Volker M. Vogt and Carla Marceau  
Karl A. Wilson  
Andrew Yale and Brenda Kuhn  
Karen and Dirk Young  
Matthew Zenkar  
Ken and Jan Zeserson  
Joel Zumoff

#### Up To \$99

John Abel  
Barry Adams  
Anonymous  
David Kendrick and Nan Crystal Arens  
Thomas Babcock  
William and Andrea Barnett  
Joyce Barney  
Judith Barringer  
Paul Benedum  
Esther S. Bondareff  
H. Hunt Bradley  
Michael and Elizabeth Brando  
Peter Brellochs  
Margot Brinn  
David Brittain  
Melvin and Donna Burr  
David Campbell  
Jackie Cassaniti  
Darol Chamberlain and Jane Mt. Pleasant  
Christopher and Jane Clark  
Daniel Cogan  
John and Karen Confer  
Robert and Elanore Corretore  
Jonathan and Marnie Cryer  
Mary Ellen Cummings  
Martha Bell Daniel  
PCT and Joan De Boer  
Sean Dee  
Sarah Degan  
Grenda Dennis  
Barbara DeWall  
Charles W.M. Dimmick  
Frank and Barbara DiSalvo  
Sharon Dittman  
Robin Drumm  
Marcia Eames-Sheavly  
Elizabeth East and Elizabeth Bixler  
Patrick and Penelope Eggleston  
Paul Feeny and Mary Berens  
Jane Fitzmaurice  
Carolyn U. Franklin  
Junko Fumio and Kazuma Furuta  
Glenn and Cassandra Galbreath  
Joe Galetovic  
George and Ellen Garland  
Graham Gillespie  
Karen Goodman  
Elizabeth Gordon  
Harry Greene and Kelly Zamudio  
Carolyn Grigorov  
Sarah Grove  
Terri Gruber and Lora Hine  
William and Jane Hamlin  
Margaret Hampson  
Lonnie B. Hanaver  
John Harper  
Peter Harriott  
Dede Hatch  
Hawkes Family  
Richard Heber  
Christopher Henley  
Thomas Hirasuna and Jean Hunter

Suzanne and Roger Hinderliter  
Don Hoskins  
Heather Hughes  
Helen Hunsinger  
Richard Hutcheson  
Nancy Hwa  
Charles Isbon  
James F. Jenks  
Thomas Judd  
Sarah and Kiernan Kaiser  
Daniel Karig and Joane Molenock  
Barbara Kathin  
Bettie Kehrt  
Dooley S. Kiefer  
James and Sylvia Konecny  
John Kuzma  
Neil Landman  
Bruce and Claudia Lewenstein  
Bruce Lieberman  
Diane Lindsay  
Anonymous  
Mark Lucas  
John and Kathleen Ludders  
John Lynch and Wendy Wolford  
Katharyn Machan  
Eleanor and William Marr  
Peter Martin  
James McConkey  
Marjorie McKinney  
Phil and MaryLu McPheron  
Paula Mikkelsen  
Harold Mills and Sabrina Johnston  
Robert Milici  
Butch and Penny Miller  
Deborah Miller  
Barbara Mink  
David and Helen Morey  
Suzanne Motheral  
Emily Newton  
Joseph Nicholas  
Margaret Nichols  
Jerry and Barbara Nosanchuk  
Mark and Heidi Oros  
Catherine K. Paddock  
Barbara Page  
Ronald Parsley  
Ritchie Patterson and Lawrence Gibbons  
Robert Peck  
Sara Perry  
Meryl and William Phipps  
Michael and Linda Pratt  
Patricia Rathmann  
Josephine Richstad  
Ted Robinette  
Christopher Rowe  
Karl-Heinz and Ursula Russ  
Elizabeth Sanders  
Gary Sanderson  
Caitlin Schickel  
Charles Schlough  
Edith Schmeiser  
Robert W. Scott  
Kathy Seitel

Richard and Linda Shaff  
 David Shmoys and Eva Tardos  
 C. Daniel Shulman  
 Harry Singer  
 Sheryl Sinkow  
 Leslie Skibinski  
 Anne Slatin  
 George Stephens  
 Laurel Stewart  
 Beth Stricker  
 June and William Szabo  
 Paul Tatar  
 Margaret Toro  
 Ray Troll  
 Raymond Van Houtte Jr.  
 Robbert van Renesse and Lesley Greene  
 Marilyn and Stephen Westlake  
 Bruce Wiley  
 R. Timothy Wolcott

**FOUNDATIONS**

Anonymous  
 Community Foundation of Tompkins County  
 Robert G. and Jane V. Engel Foundation  
 Kiplinger Foundation  
 Lane Family Fund of the Community Foundation of Tompkins County  
 Legacy Foundation of Tompkins County  
 Marvin and Annette Lee Foundation  
 Museum Association of New York  
 Park Foundation  
 Triad Foundation  
 United Way of Tompkins County

**GOVERNMENT**

NYS Office of Parks, Recreation, and Historic Preservation  
 Tompkins County Tourism Program  
 US Department of Agriculture

**CORPORATIONS AND ORGANIZATIONS**

Aleph Sciences Group  
 AmazonSmile  
 Amgen Foundation  
 Audrey Edelman Realty USA  
 BorgWarner Morse TEC, Inc  
 Cayuga Medical Center  
 CFCU Community Credit Union  
 Chemung Canal Trust Company  
 Cornell University  
 Elmira Savings Bank  
 Ensco Avionics, Inc.  
 Finger Lakes Cycling Club  
 GE Foundation  
 GreenScene Lawn & Garden  
 Kionix, Inc.  
 M&T Bank  
 Mama Goose, LLC  
 Mid America Paleontology Society  
 NYSEG Iberdrola USA Foundation, Inc.  
 Purity Ice Cream  
 Sciarabba Walker & Co., LLP  
 Snug Planet  
 Swan Cycles, Inc.

Tompkins Insurance Agencies  
 Towanda Area School District  
 Wegmans Food Markets, Inc.

**IN-KIND DONORS**

Americana Vineyards  
 Argos Inn  
 Arnold Printing Corporation  
 Auburn Party Rental  
 Larry and Trudy Baum  
 Kim Bostwick  
 Michael and Elizabeth Brando  
 Maija Cantori  
 John Cisne  
 Cornell Athletics  
 Cornell Cooperative Extension  
 Dan Smalls Presents  
 Camille Doucet  
 Eastern Mountain Sports  
 Stephen and Natalia Emlen  
 Experience! The Finger Lakes, LLC  
 Jim and Joan Fenner  
 Finger Lakes Running and Triathlon  
 John and Molly Fitzpatrick  
 Walter C. and Lorna Gates  
 Gimme Coffee  
 Glimmerglass Festival  
 Grassroots Festival of Music and Dance  
 Greenstar Co-op Market  
 Hangar Theatre  
 Roald and Eva B. Hoffmann  
 Home Green Home  
 Incodema  
 Indian Creek Farm  
 Ithaca Bakery  
 Ithaca Beer Company  
 Ithaca Children's Garden  
 Ithaca Coffee Company  
 Linda Ivany and Bruce Wilkinson  
 Jan Kather  
 Kitchen Theatre Company  
 Valerie Leftwich  
 Littletree Orchards  
 Mackenzie-Childs  
 Mama Goose, LLC  
 Maxie's Supper Club  
 Mayers  
 Catherine McCarthy and Paul Davis  
 Jean and Daniel McPheeters  
 David and Kani Meyer  
 Moosewood Restaurant  
 Mervyn Moriarty  
 Mark and Heidi Oros  
 Sarah Oros  
 Barbara Page  
 Colin Parrish and Debra Nero  
 Marvin P. and Allison Pritts  
 Rasa Spa  
 Melzar T. and Jane Richards  
 Rebecca Rundell  
 Skip Schweitzer  
 Six Mile Creek Vineyard

Starbucks  
 Trumansburg ShurSave  
 U-Haul Corporation  
 Martha Wilson

**RESTRICTED GIFTS FOR RESEARCH AND COLLECTIONS**

Warren Allmon and Jennifer Tegan  
 Gordon Baird  
 Philip Bartels  
 Percy Browning  
 Patricia Charwat  
 J. Mark Erickson  
 Rodney Feldmann  
 Finger Lakes Cycling Club  
 John Handley  
 Mary Alyce Kobler  
 Egbert Leigh  
 D. Jeffrey Over  
 Marvin Pritts  
 Joseph Reynolds  
 Dale Springer  
 Swan Cycles, Inc.  
 Catherine Whalen  
 Gene and Jeanne Yarussi

**10TH ANNIVERSARY CAMPAIGN**

**\$10,000+**

Anonymous  
 Peter and Ursula Browning  
 Kenneth Horst  
 Gilbert Norris  
 Julian C. Smith  
 Chuck Tauck and Fran Littin

**\$5,000-\$9,999**

Leslie D. Appel and Keith Baier  
 Elisabeth Boas  
 Percy Browning  
 Jim and Terry Byrnes  
 H. Allen and Jane Curran  
 Lynn B. Leopold

**\$2,500-\$4,999**

Merle Adelman and Ron Menner  
 William R. Engles, Jr. and Emmeline S. Chang  
 Frost and Kate Travis

**\$1,000-\$2,499**

John Allen and Ann Callaghan  
 Jennifer and Alan Biloski  
 James and Theresa Bugh  
 J. David Bukry  
 Patricia and Tom Davis  
 Lenore and Verne Durkee  
 Bob and Joan Horn  
 Bryan L. Isacks and Marjorie Olds  
 Rob and Maggie Mackenzie  
 Jean and Daniel McPheeters  
 Edward B. Picou Jr.  
 William P.S. Ventress

Thomas and Carolyn Waller  
 Don and Dolly Wilson  
 William Young and Wende Logan-Young

**\$500-\$999**

Shirley K. Egan  
 Stephen Fletcher  
 Joanne V. Florino  
 Carole Hickman  
 John W. Hoffman  
 Roger D. K. Thomas  
 Cindy and Geoff Wright

**\$250-\$499**

Robert H. Abrams  
 Arthur Berkey  
 Dirk and Wendy Dugan  
 David and Mary Flinn  
 Patricia H. and Jonathan Kelley  
 David and Kani Meyer  
 Diane and Jeff Newton

**\$100-\$249**

Gayleen and Edward Austen  
 Susan Blumenthal and David L. Kreinick  
 Derek and Nora Burrows  
 Brenda and Michael Cavallo  
 Kenneth Ciriacks  
 Cody and Leslie Danks Burke  
 Barbara Johnson Foote  
 Tim and Lina Harris  
 John W. Hermanson and Lynn Swisher  
 Judith Kennison and Marlene Sack  
 Patricia Long  
 Carol and John Morris  
 Osborne and Monica Nye  
 Mariana Rhoades  
 Michael and Janet Shay  
 Nancy E. Spaulding  
 Andrew Yale and Brenda Kuhn  
 Karen and Dirk Young  
 Ken and Jan Zeserson

**Up to \$99**

Thomas Babcock  
 Michael and Elizabeth Brando  
 Jackie Cassaniti  
 Patricia Charwat  
 Jonathan and Marnie Cryer  
 PCT and Joan De Boer  
 John Harper  
 Dede Hatch  
 Thomas Judd  
 Bettie Kehrt  
 James and Sylvia Konecny  
 Katharyn Machan  
 Timothy Martinson and Joanna Lynch  
 James McConkey  
 Josephine Richstad  
 Karl-Heinz and Ursula Russ  
 Gary Sanderson  
 Marilyn and Stephen Westlake





# VOLUNTEERS & INTERNS

## Volunteers:

Alex Allmon  
Elizabeth Altier  
Maria Altier  
Katherine Anderson  
Joshua Antalek  
Sally Ashley  
Bethany Austin  
Steven Bair  
Samantha Baker  
Zachary Ballard  
Tiffany Bartz  
Theresa Baugh  
Samuel Benedict  
Mary Blake  
Dan Brewton  
Deanna Brodsky  
Julianne Brower  
Janice Brown  
Tom Buckley  
Peg Burlew  
Dick Burlew  
Joseph Calvo  
Kelly Cameron  
Maija Cantori  
Glenn Caslick  
Pat Charwat  
Lauren Cooley  
Abby Cooper  
John Cusano  
Amy Cusano  
Caitlin Darfler  
Laurence Day  
Barbara Dimock  
Douglas Donnelly  
Michael Durfee  
Lenore Durkee  
Elizabeth Elton  
Samantha Fancher  
Tara Lynn Ferriter  
Adric Garlick  
Walter Gates  
Ron George  
Tali Gerrentsen  
Mathew Griffin  
Carrie Gulvin  
Loren Gurche

Bill Hansen  
Linda Harrison  
Kiersten Harris  
Meredith Hicks  
Steffen Holl  
Melissa Icaza  
Larry Jensen  
Viola Jones  
Eric Juers  
Colleen Keifer  
Casey Keller  
Caroline Kellner  
Janet Kim  
Shelby Klemann  
Bill Klose  
Melissa Kolberg  
Ben Komor  
Frank Kozlowski  
Hobit LaFaye  
Victoria Lama  
Stephanie Langer  
James Leet  
Len Sharp  
Georgia Lesh  
Nickolaus Lewis  
Cienna Lyon  
MacKenzie Mansfield  
Mike Marano  
Lauren Marra  
Aaron Martin  
Kelly Martin  
Arthur Masloski  
Jean Matthiessen  
Brian Mayer  
Ryan McKenna  
Victoria McLean  
Phyllis McNeill  
Allan Meritt  
Shawn Mills  
Michelle Moglia  
Deb Nero  
Amanda Nichols  
Adil Omar  
Hannah Owh  
Sasha Paris  
Elena Pfisterer  
Eric Poysa

Kim Ramm  
John Ren  
Connor Rosenblatt  
Mark Sacco  
Emily Satinsky  
Amanda Schmitt  
Barbara Skoblick  
Andrea Slavney  
Grace Smith  
Aung Soe  
Abby Sophir  
Jennifer Stevens  
Ba Stopha  
Sarah Strupp-lewinsky  
Steven Sturdevant  
Kevin Tarbert  
Fiona Tily  
Diego Torrado  
Helen Tosteson  
Madeleine Ulinski  
Mitchell Vogel  
Marcy Weber  
Brittany Weeks  
Alyssa Weissman  
Anita Welych  
Martin Welych-Flannigan  
Cathy Whalen  
Vanessa Wikel  
Janine Willis  
Don Wilson  
Sonja Wixom  
Moyao Xue  
Chris Young  
Rose Zabel

**Service Groups:**  
Alpha Phi Omega|Gamma  
Becker House  
Beta Theta Pi  
CFCU  
GiveGab  
Into the Streets  
Nielson  
POST  
STLF  
Match Charter HS  
Nestwatch Volunteers  
United Way

## Interns:

Katherine Alexander  
Kelly Bogart  
Karissa Breuer  
Adam Chrysler  
Rebekah Clark  
Alison Copenhaver  
Heather Crespin  
Colleen Davis  
Amalia Dolley  
Chenga Drury  
Casey Ebner  
Lily Eisermann  
Claire Farrell  
Wray Gabel  
Lainie Gray  
Linda Hindall  
Hannah Hume  
Amanda Jensen  
Evan Jones  
Tahera Kassam  
Holly King  
Stephanie Krail  
PaigeKulling  
Alexis Lanza  
Yan Li  
Sarah Lockwood  
Cruz Marin  
Ally Maute  
Erin Naylon  
Katherine Peck  
Tyler Pollock  
Selena Richer  
Yuki Sagar  
Gaylen Sindair  
Mark Singer  
William Tift  
Annalee Tweitmann  
Raul Valdes  
Brett Walker  
Shay Wescott  
Savannah Wilson

Interns# = 41 • Hours = 4000.25

Volunteers# = 127 • Hours = 8035.05

Service Groups# = 279 • Hours = 1286



## This year, interns came to PRI from...

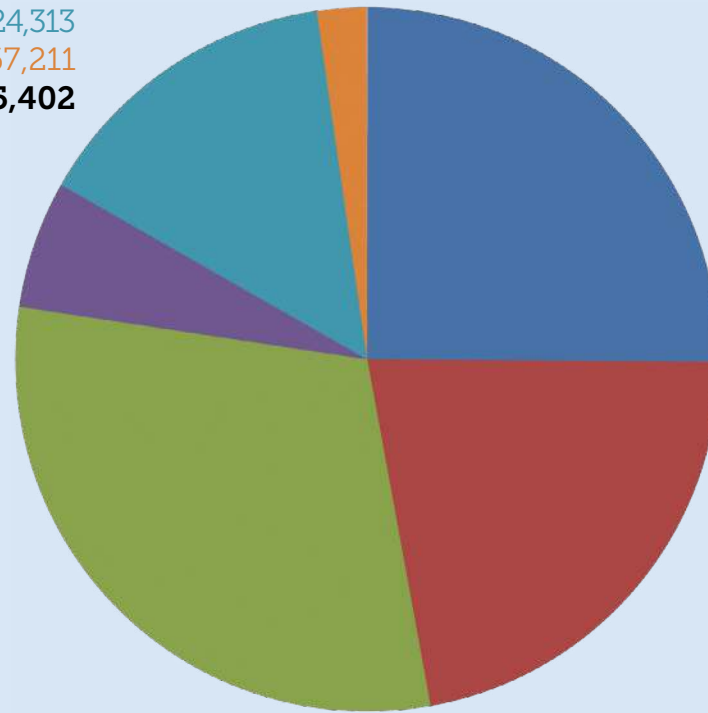
Ithaca College  
Cornell University  
Syracuse University  
Hartwick College  
Skidmore University  
SUNY Oswego  
SUNY Geneseo  
SUNY ESF

College of William and Mary  
St. Lawrence University  
Cambridge University  
Newman College  
Mansfield University  
Rochester Institute of Technology  
George Mason University

# STATEMENT OF FINANCE

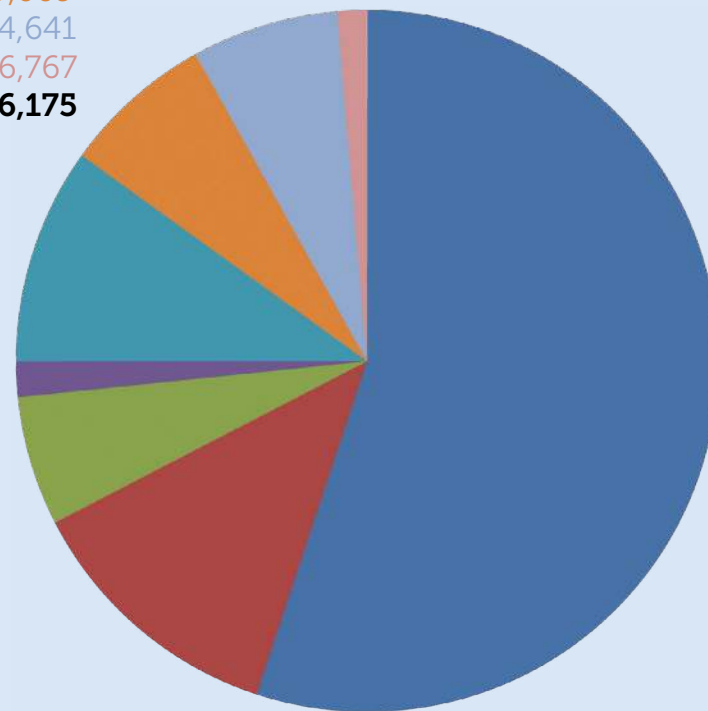
## Revenue

1 Grants	\$737,000
2 Restricted Gifts	\$646,077
3 Gifts and Memberships	\$888,786
4 Funds Functioning as Endowment	\$172,015
5 Earned Revenue (programs + admissions + publications + store)	\$424,313
6 Other	\$67,211
<b>Total</b>	<b>\$2,935,402</b>



## Expenditures

1 Payroll	\$1,502,370
2 Depreciation	\$335,434
3 Interest	\$162,404
4 Professional Fees	\$44,037
5 Other	\$271,513
6 Building and Maintenance	\$189,009
7 Grant Subcontracts	\$184,641
8 Exhibits	\$36,767
<b>Total</b>	<b>\$2,726,175</b>



# STAFF & TRUSTEES

## Board of Trustees

Dr. Peter Bardaglio  
 Mrs. Jennifer Biloski  
 Ms. Elisabeth Boas  
 Mrs. Lori Brewer  
 Dr. H. Allen Curran  
 Mr. William Engles  
 Dr. J. Mark Erickson  
 Dr. Karl Flessa  
 Ms. Joanne Florino  
 Dr. Jim Fogel  
 Dr. John Handley  
 Dr. John Hermanson  
 Dr. Bryan Isacks  
 Dr. Linda Ivany  
 Mrs. Jean McPheeters  
 Dr. David Meyer  
 Dr. James Morin  
 Mrs. Katy Pearce  
 Dr. Marvin Pritts  
 Dr. Phil Reilly  
 Dr. Melzar Richards  
 Dr. Dale Springer  
 Mr. David Taube  
 Dr. Don Wilson  
 Mr. William Young

## Trustees Emeritus

Mr. John Allen  
 Dr. Loren Babcock  
 Mr. Philip Bartels  
 Mr. Larry Baum  
 Ms. Percy Browning  
 Dr. James Cordes  
 Dr. Harold Craft  
 Ms. Shirley Egan  
 Dr. Rodney Feldmann  
 Dr. Bob Horn, Jr.  
 Dr. Teresa Jordan  
 Dr. Patricia Kelley  
 Dr. Harry Lee  
 Mr. Harry Leffingwell  
 Dr. Rob Mackenzie  
 Dr. Amy McCune  
 Dr. D. Jeffrey Over  
 Mr. Edward Picou  
 Dr. John Pojeta  
 Mr. Philip Proujansky  
 Ms. Mary Shuford  
 Dr. Constance Soja  
 Dr. James Sorauf  
 Dr. John Steinmetz  
 Dr. Peter Stifel  
 Mr. William Ventress  
 Mr. Arthur Waterman  
 Dr. Thomas Whiteley

## Staff

\*Thank you to our colleagues who moved on during this year.

**Warren Allmon**, Director  
**Leon Apgar III**, Museum Operations Specialist  
**Maureen Bickley**, Volunteer & Operations Coordinator  
**Elizabeth Brando**, Director of Institutional Advancement\*  
**Carlyn Buckler**, Education Associate\*  
**Maija Cantori**, Museum Associate / Director of Visitor Services  
**Alex Cavallo**, Development Associate\*  
**Kelly Cronin**, Education Associate\*  
**Gregory P. Dietl**, Director of Collections  
**Don Duggan-Haas**, Director of Teacher Programming  
**Brian Gollands**, Information Technology Manager  
**Wade Greenberg-Brand**, Exhibitions Assistant  
**Michael Griswold**, Facilities Manager  
**Sarah Grove**, Visitor Services Associate  
**Ellen Hellman**, Finance and Administration\*  
**Dayna Jorgenson**, Environmental Education Manager  
**Adam Kneis**, Environmental Education Manager\*  
**Laura Komor**, Publications Assistant  
**Kevin Lanigan**, Facilities, Nature Center  
**Georgia Lesh**, Development Associate  
**Samantha Lesser**, Museum Operations & Programs Coordinator  
**Michael Lucas**, Associate Director for Finance and Administration  
**Mark Lucas**, Managing Editor, Teacher Friendly Guides\*  
**Andrew Matthiessen**, Assistant to the Director\*  
**Emily McKittrick**, Manager of Animal Collections  
**Stephanie Meyer**, Director of Marketing and Development  
**Alicia Michael**, Director of Museum Operations\*  
**Paula Mikkelsen**, Associate Director for Science & Director of Publications  
**Judith Nagel-Myers**, Collections Manager\*  
**Emily Newton**, Marketing Manager\*  
**Sasha Paris**, Publications Assistant  
**Robert Ross**, Associate Director for Outreach  
**Matt Sacco**, Director of Nature Center Programs  
**Amanda Schmitt**, Museum Associate  
**Leslie Skibinski**, Collections Manager  
**Beth Stricker**, Director of Exhibitions  
**Andrielle Swaby**, Education Associate / Assistant to the Director  
**Zoe Van Buren**, Publications Assistant\*  
**Sally Vann**, Assistant to the Director\*  
**Alexander Wall**, Education Associate\*  
**Christine Whitaker**, Director of Nature Center Programs\*  
**Ingrid Zabel**, Climate Change Education Manager

Edited by: Stephanie Meyer • Design by: Jason van Staveren • Rock the Future graphics by: Iron Design • Photos by: Staff and Associates