

**THE FIELD MUSEUM**  
**2012 ANNUAL REPORT TO THE**  
**BOARD OF TRUSTEES**

**COLLECTIONS AND RESEARCH**

Office of Collections and Research, The Field Museum  
1400 South Lake Shore Drive  
Chicago, IL 60605-2496 USA  
Phone (312) 665-7811  
Fax (312) 665-7806  
<http://www.fieldmuseum.org>

- This Report Printed on Recycled Paper -

We wanted to commandeer a page of this report to thank Lance Grande for his years of service and leadership as Senior Vice President and Head of Collections & Research. Lance has served in this capacity for more than eight years, through some very trying financial times, and has done so with ingenuity and good humor. In spite of his heavy administrative duties, Lance maintained high scientific productivity and an ongoing commitment to education. In 2009 he co-authored *Gems and Gemstones: Timeless Natural Beauty of the Mineral World*, a gorgeous, popular-market companion volume to the renovated Grainger Hall of Gems. The next year he published a massive volume resulting from untold years of research, *An Empirical Synthetic Pattern Study of Gars (Lepisosteiformes) and Closely Related Species, Based Mostly on Skeletal Anatomy: The Resurrection of Holostei*. This study, together with his earlier volume on the Amiid fishes, recalibrates the morphological base data for evolutionary studies of the ray-finned fishes, and serves as a model for future evolutionary research. At present, he is putting the finishing touches on another popular-oriented book, this one on the Fossil Butte Member of the Green River Formation in Wyoming, which boasts an amazing array of beautifully preserved plants and animals—“snapshots in stone” of a 52-million-year-old tropical lake community. Lance has worked the quarries of Fossil Butte for almost three decades, and for the past eight summers the locality has also been the site of his course, “Stones and Bones,” a paleontology field school for advanced placement high school students, from the University of Chicago’s Graham School. We expect that he will be returning to Fossil Butte for many more years to come (and with a mind unburdened by administration).

Lance’s long track record of research has made him among the most prominent of U.S. paleontologists. Last year his scientific productivity earned him a prestigious award from his peers: the American Society of Ichthyologists and Herpetologists recently recognized him with the Robert H. Gibbs Jr. Memorial Award for Excellence in Systematic Ichthyology, which is awarded for “an outstanding body of published work in systematic ichthyology.” And in recognition of his service to The Field Museum, Museum President Richard Lariviere and the Board of Trustees appointed Lance to the position of Distinguished Service Curator. We congratulate Lance on this honor, and again extend our deepest thanks for his service and collegiality over the many years.

The Collections & Research Staff

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## COLLECTIONS AND RESEARCH – 2012 ANNUAL REPORT

Collections-based research has been the core scientific mission of The Field Museum since its founding in 1893, and “Collections & Research” has been the name of the division housing the core scientific departments dedicated to that mission since 1983—the year I started here as a curator, in fact (with a shift to “Academic Affairs” for a few years). Before that the research arm of the Museum was called “Science & Education,” and was grouped with the Exhibits and Education Departments. In 2013, the name will change again—to, interestingly enough, “Science & Education” —in conjunction with a fundamental restructuring within the Museum. But **research**, grounded in **collections**, will continue to be one of the most important strengths of this institution.

Looking back over 25 years I am struck by the continuity between the scientific work then and now, but also by the amazing increase in productivity. In the late 1970s and earlier ‘80s it was typical to see at most 100 publications per year from the curators and scientific staff. In 2012 our scientists (including a markedly smaller curatorial faculty) produced nearly 270 scientific publications, ranging in subject from CT scanning of Egyptian bird mummies, to DNA barcoding of fungi, to the beer-consumption practices of the ancient Wari culture of Peru, to the sharing of host plants by competing ant species. And of course many of these papers identified new species: a theropod dinosaur, a few shrew-mice, a myrtle tree, a dozen-odd rove beetles, several bats and snakes, and over 100 lichens. C&R scientists described 149 species and other taxa new to science in 2012, putting the number published in the past 22 years over 1,300.

Most of our studies would seem familiar to our colleagues of a quarter century ago, although methods like DNA barcoding would surely intrigue them. Molecular-based research into evolution and populations has been going on at the Field since the late 1970s, but the pace and scope of that work, thanks to automated sequencing, has increased by incredible leaps. Likewise, the chemical investigations carried out in Anthropology’s Elemental Analysis Lab have unlocked previously inaccessible information about how artifacts were created and where they came from, and CT-scanning technology has enabled “virtual dissection” of cultural objects that would have amazed our predecessors. New technologies solve old mysteries, breed new questions, fuel innovative work, and increase the productivity of our scientists.

But while new technologies and methods account for some of this increase in productivity, I think the deep passion and commitment of our scientists account for a great deal of it as well. Their commitment is obvious by their publications, their broad involvement in their fields, and by their dogged pursuit of grants. The scientists of C&R have not only generated, but also *funded*, much of the original scientific research produced at the Museum. Grants are the engine that drives this research. Scientists in C&R received more than \$3.7 million in new awards in 2012 from the National Science Foundation, Institute of Museum and Library Service, Marie Curie Foundation, National Geographic Society, Negaunee Foundation, and other sources. With these awards, the active grant projects being spearheaded by this group number more than 80. New awards combined with existing grants total more than \$17.7 million. Tracing C&R grantsmanship back to the mid-1980s would no doubt total in the neighborhood of \$100 million raised for research and collections maintenance.

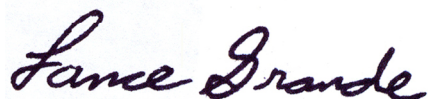
Our researchers are also more deeply involved than ever in educating future generations of professional scientists. It is perhaps a cliché to compare the “3<sup>rd</sup> floor” of the Museum to a mini-university, but it is apt. We continue to have strong connections, through teaching appointments and graduate student advising, to Chicagoland universities. Our closest and most formal ties are with the University of Chicago, the University of Illinois at Chicago, and Northwestern University. We are the scientific home base to over 50 resident graduate students from these three schools, and more, and our curators serve on dozens of dissertation committees. Some students enroll at these schools specifically to work with certain Field Museum curators.

Our training efforts reach far beyond Chicago. Field Museum scientists are deeply engaged in building the expertise of conservation specialists and museum professionals internationally. The scientists in Zoology and Botany in particular lead conservation and capacity-building efforts across the globe, including Madagascar, Kenya, the Democratic Republic of the Congo, Thailand, China, Tibet, the Philippines, Peru, Costa Rica, and Brazil. FM-trained students now occupy influential conservation positions in universities, museums, and NGOs worldwide. As the map on the inside cover of this report shows, this research and training takes Field Museum scientists around the world. We routinely conduct fieldwork in more than 30 countries (plus the Antarctic and the North Pacific Ocean), and research collaborations take us to another 20 or more locales.

But ultimately it all comes back to the rows and rows of shelves and cabinets on the 3<sup>rd</sup> floor, and in the Collections Resource Center, that house our 24.7 million specimens. The Field Museum's reference collections constitute a vast lending library for the international scientific community. Our collections are in constant use by Field Museum scientists as well as visiting researchers from other institutions. Last year more than 700 visiting scientists and dozens of graduate students conducted research in the collections. We also hosted dozens of college classes, and numerous back-of-the house tours for VIPs, donors, and groups with specialized interest in the collections—ecology classes, artists, gardening enthusiasts, Native American tribal leaders, and more. In addition, we loan tens of thousands of specimens each year to researchers around the world. The Field Museum collections are really the “go-to” place for a broad array of disciplines, and form a crucial part of the global knowledge base in the biological and social sciences.

Numbers alone cannot capture the unique character and scientific importance of the numerous objects accessioned by the collections staff each year. Whether through field collecting by Museum curators, purchase, donation, or salvage (e.g., road kill) literally every day the Museum gains new specimens that significantly enhance the quality, depth, and breadth of our collections, and most important of all, expand their usefulness as a “library” of the natural and cultural world—a world-class resource for research. It is incumbent upon us to maintain this resource, grow it, and make it available to the world scientific community, so that they can fuel current research, and help future scientists address questions we can't even envision.

As we move into 2013 the Collections & Research division will cease to exist under that name. All the scientific departments will be merged together under the title “Science & Education,” and a restructuring of the various efforts and function is underway. These changes will require a great deal of effort on the part of the scientists and staff involved, but ultimately we hope these changes will yield new efficiencies, and new synergies. But the core science carried out at the Field will not change. It is our brand. The scope and impact of collections-based research is grounded in its dedication to documenting the natural world, the patterns of biological evolution, and the development of human societies. We are also committed to leveraging that knowledge to understand and conserve biodiversity, enhance our understanding of ourselves as humans, and increase scientific literacy in an age of declining expertise in the sciences. Division names may change, but this mission will not.



Lance Grande  
Senior Vice President and Head  
Collections and Research

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## **COLLECTIONS AND RESEARCH STAFF LIST**

(\* indicates staff who left their posts in the course of 2012)

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Lance Grande, Ph.D. .... Senior Vice President and Head, Collections and Research  
Deborah Bekken, Ph.D. .... Director, Government Affairs and Sponsored Programs  
Kasey Mennie, B.S. .... Administrative Coordinator  
R. Carter O'Brien, B.A. .... Operations Manager  
Kimberly Singleton, B.A. ....expeditions@fieldmuseum Manager

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Jonathan Haas, Ph.D. .... MacArthur Curator, Anthropology of the Americas  
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William Parkinson, Ph.D..... Associate Curator, Eurasian Anthropology  
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John Edward Terrell, Ph.D. .... Regenstein Curator, Pacific Anthropology  
Alaka Wali, Ph.D. .... Applied Cultural Research Director & Curator, North American Anthropology  
Sirma Alexandrova, Ph.D. .... ABF Postdoctoral Research Scientist, Bulgarian Archaeology  
Douglas Bolender, Ph.D. .... Postdoctoral Research Scientist, Arctic Anthropology  
Jonathan Paul Brown, M.S..... Regenstein Associate Conservator, Pacific Anthropology  
Michelle Burton, M.A ..... Collections Manager  
Elana Carpinone, M.A. .... Assistant Registrar  
Mary Cochran, M.A ..... Collections Assistant  
Laure Dussubieux, Ph.D..... Research Scientist, LA-ICP-MS Facilities  
Lauren Fahey, B.A. .... Conservation Assistant  
Alan Francisco, M.A. .... Head Registrar and Collections Coordinator  
Mark Golitko, Ph.D. .... Regenstein Postdoctoral Research Scientist, Pacific Anthropology  
\*Ryan Gross, M.A..... Collections Assistant  
Sophie Hammond-Hagman, B.A ..... Conservation Assistant  
Dilyana Ivanova, M.A ..... Administrative Assistant  
Jamie Kelly, M.S..... Collections Manager  
Andrew Leith B.S..... Collections Assistant  
Gloria Levitt, B.A. .... Associate Registrar  
\*Debbie Linn, M.A.C..... Associate Conservator Exhibitions  
Shannon Martino, Ph.D. .... ABF Postdoctoral Research Scientist, Bulgarian Archaeology  
Caitlin Monesmith, B.A. .... Graduate Research Assistant  
Lisa Niziolek, Ph.D. .... Boone Postdoctoral Research Scientist, East Asian Anthropology  
Ruth Norton, M.S..... McCarter Chief Conservator  
Shelley Paine, M.S ..... Exhibitions Conservator  
Christopher Philipp, B.A. .... Regenstein Collections Manager, Pacific Anthropology  
Matthew Piscitelli, M.A. .... Graduate Research Assistant  
Cassie Pontone, B.A ..... Collections Assistant  
Helen Robbins, Ph.D..... Repatriation Director  
Birgitta Rota, B.A..... Senior Administrative Assistant  
Jill Seagard, B.A..... Scientific Illustrator



\*Nicola Sharratt, Ph.D. .... Charles Benton Postdoctoral Research Scientist, South American Anthropology  
 \*Tsenka Tsanova, Ph.D. .... ABF Postdoctoral Research Scientist, Bulgarian Archaeology  
 Brittany Wheeler, M.A. .... Repatriation Specialist  
 Amy Zillman, B.A. .... Collections Assistant

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 Michael O. Dillon, Ph.D. .... Curator Emeritus, Flowering Plants  
 John J. Engel, Ph.D. .... Curator Emeritus, Bryology  
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 William S. Alverson, Ph.D. .... Adjunct Curator, Flowering Plants  
 Robin B. Foster, Ph.D. .... Adjunct Curator, Flowering Plants  
 Patrick R. Leacock, Ph.D. .... Adjunct Curator, Mycology  
 Mark Alvey, Ph.D. .... Operations Administrator  
 Anna Balla, B.F.A. .... Collections Assistant, Flowering Plants  
 Chris Baron, M.S. .... Programmer  
 Laura Briscoe, B.A. .... Research/Collections Assistant, Bryology  
 Darlene Dowdy-Pritchett .... Collections Assistant  
 Krysta Duran, B.A. .... Collections Assistant, Lichenology/Bryology  
 \*Wyatt Gaswick, M.S. .... Collections Assistant, Lichenology/Bryology  
 Mary Gustafson, B.S. .... Collections Assistant  
 Susan M. Hamnik, B.A. .... Research Assistant, Mycology  
 Kevin Havener, M.A. .... Collections Assistant  
 Maria Lucia Kawasaki, Ph.D. .... Collections Specialist, Flowering Plants  
 Daniel Le, B.F.A. .... Digital Imaging Specialist  
 Juan Larraín, Ph.D. .... Postdoctoral Research Scientist, Bryology  
 Matthew Lavoie, B.A. .... Collections Assistant, Bryology  
 \*Steven Leavitt, Ph.D. .... Postdoctoral Research Scientist, Lichenology  
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 \*Joanna McCaffrey, M.S. .... Collections Database Architect  
 \*Kimberly Mighell, B.S. .... Collections Assistant, Bryology  
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 \*Olena Peregrym, Ph.D. .... Postdoctoral Research Scientist, Flowering Plants  
 Allie Stone, B.F.A. .... Collections Imaging Assistant  
 Lynika Strozier, B.S. .... Research Assistant, Mycology and Bryology  
 Matt von Konrat, Ph.D. .... Adjunct Curator and McCarter Collections Manager, Bryology/Pteridophytes  
 \*Brian Wray, B.S. .... Research Assistant, Flowering Plants  
 \*Wen-Bin Yu, Ph.D. .... Postdoctoral Research Scientist, Flowering Plants

### Department of Geology

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 John R. Bolt, Ph.D. .... Curator Emeritus, Fossil Amphibians and Reptiles  
 Philipp R. Heck, Ph.D. .... Robert A. Pritzker Assistant Curator of Meteoritics and Polar Studies  
 Matthew H. Nitecki, Ph.D. .... Curator Emeritus, Fossil Invertebrates  
 Bertram G. Woodland, Ph.D. .... Curator Emeritus, Petrology  
 Kenneth Angielczyk, Ph.D. .... Assistant Curator, Fossil Mammals

Lance Grande, Ph.D. .... Curator, Fossil Fishes, and Senior Vice President, Head of C&R  
 Scott Lidgard, Ph.D. .... Associate Curator, Fossil Invertebrates  
 Olivier C. Rieppel, Ph.D. .... Rowe Family Curator of Evolutionary Biology  
 Ian Glasspool, Ph.D. .... Adjunct Curator and Collections Manager, Paleobotany  
 Paul Sipiera, Ph.D. .... Robert A. Pritzker Adjunct Curator of Meteoritics and Polar Studies  
 Marlene Hill Donnelly, B.S., A.A. .... Scientific Illustrator  
 \*Terry A. Bucky Gates, Ph.D. .... Postdoctoral Research Scientist, Fossil Vertebrates  
 \*Lori L. Grove, B.S., M.A. .... Project Assistant  
 \*Lisa Herzog, B.S. .... Preparator, Fossil Vertebrates  
 James Holstein, A.A., B.A. .... Collections Manager for Meteorites and Physical Geology  
 \*Melanie J. Hopkins, Ph.D. .... John Caldwell Meeker Postdoctoral Fellow  
 Karsten Lawson, B.F.A. .... Operations Administrator  
 Paul Mayer, M.S. .... Collections Manager, Fossil Invertebrates  
 Akiko Shinya, B.Sc. .... Chief Preparator, Fossil Vertebrates  
 William F. Simpson, B.S. .... McCarter Collections Manager, Fossil Vertebrates  
 \*Nathan D. Smith, Ph.D. .... Postdoctoral Research Scientist, Fossil Vertebrates  
 Beckett Sterner, Ph.D. .... Postdoctoral Research Scientist  
 Constance Van Beek .... Preparator, Fossil Vertebrates

### **Department of Zoology**

Mark W. Westneat, Ph.D. .... Curator, Fishes, and Chair; Robert A. Pritzker Director, BioSynC  
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 Rebecca Banasiak, B.F.A., B.A. .... Research Assistant, Mammals  
 Rebekah Baquiran, B.S. .... Assistant Collections Manager, Insects  
 James H. Boone, M.S. .... Collections Manager, Insects  
 Gracen Brilmyer, B.A. .... Research Assistant, Insects; Imaging Assistant, Invertebrates  
 Barbara E. Brown, B.A. .... Scientific Associate, Mammals  
 \*Joel B. Carush, B.S. .... Research Assistant, Fishes  
 Matthew P. Davis, Ph.D. .... Postdoctoral Research Scientist, Fishes  
 Robin Delapena .... Research Assistant, Insects  
 \*Joshua A. Drew, Ph.D. .... Postdoctoral Research Scientist, Fishes  
 Joshua I. Engel, B.A. .... Project Coordinator, Albertine Rift Climate Change Project, Birds  
 Jochen Gerber, Ph.D. .... Collections Manager, Invertebrates  
 Thomas Gnoske .... Assistant Collections Manager, Birds  
 \*Rosemary Golding, Ph.D. .... Postdoctoral Research Scientist, Invertebrates  
 Anna E. Goldman, B.A. .... Collections Assistant, Mammals  
 Steven M. Goodman, Ph.D. .... MacArthur Field Biologist, Birds and Mammals  
 Justin R. Grubich, Ph.D. .... Postdoctoral Research Scientist, Fishes  
 Susan Hamnik, B.A. .... Research Assistant, Amphibians and Reptiles

Mary Hennen, M.S. .... Collections Assistant, Birds  
 \*Jillian Henss, M.S. .... Research Assistant, Fishes  
 Mary Milus Johnson, B.A. .... Department Operations Administrator  
 Janeen Jones, B.A. .... Assistant Collections Manager, Invertebrates  
 Lisa Kanellos, B.G.S. .... Scientific Illustrator, Invertebrates  
 Stefanie Kautz, Ph.D. .... Postdoctoral Research Scientist, Insects  
 Kathleen M. Kelly, M.A. .... Assistant Collections Manager, Amphibians and Reptiles  
 James E. Louderman, A.S. .... Collections Assistant, Insects  
 Ben Marks, Ph.D. .... Collections Manager, Birds  
 Susan Mochel, B.S. .... Collections Assistant, Fishes  
 Andria Niedzielski, B.F.A. .... Research Assistant, Mammals  
 John Phelps, M.S. .... Assistant Collections Manager, Mammals  
 Martin D. Pryzdia, M.S. .... Collections Assistant, Invertebrates  
 Alan Resetar, M.L.S. .... Acting Divisional Manager & McCarter Collections Manager, Amphibians and Reptiles  
 \*André Sartori, Ph.D. .... Postdoctoral Research Scientist, Invertebrates  
 William Stanley, M.A. .... Negaunee Collections Manager, Mammals  
 \*Sid Staubach, Ph.D. .... Postdoctoral Research Scientist, Invertebrates  
 Allie Stone, B.F.A. .... Collections Assistant, Insects  
 Timothy Swain, Ph.D. .... Postdoctoral Research Scientist, Fishes  
 Kevin Swagel, B.S. .... Assistant Collections Manager, Fishes  
 \*Joshua Traub, B.S. .... Collections Assistant, Amphibians and Reptiles  
 Stephanie Ware, M.S. .... Research Assistant, Insects  
 Jason Weckstein, Ph.D. .... Staff Research Scientist, Birds  
 \*Alexandra Westrich, M.F.A. .... Research Assistant, Insects  
 Brian Wray, B.S. .... Research Assistant, Insects

**Biodiversity Synthesis Center**

Mark Westneat, Ph.D. .... Robert A. Pritzker Director and Curator of Fishes  
 Richard Ree, Ph.D. .... Assistant Director and Associate Curator of Botany  
 Audrey Aronowsky, Ph.D. .... Scientific Program Manager  
 Beth Sanzenbacher, B.A. .... Outreach Coordinator  
 Sarah Kim, B.A. .... Administrative Assistant  
 \*Torsten Dikow, Ph.D. .... Postdoctoral Research Scientist  
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Brian Wray, B.S. .... Research Assistant  
Erica Zahnle, B.S. .... DNA Educator and Researcher

**Scanning Electron Microscope**

Betty Strack, M.S. .... Manager

**PUBLICATIONS 2012**  
(Excluding abstracts)

**DEPARTMENT OF ANTHROPOLOGY**

**Sirma Alexandrova**

**Alexandrova, S.** (2012). Typology and Chronology of the Hand-made Pottery of the Roman and Early Byzantine Period (1<sup>st</sup>–6<sup>th</sup> c.) on the Territory of Bulgaria. *Archaeologica Bulgarica* 17(1): 33–46.

**Douglas Bolender**

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**J. P. Brown**

Pelizzari, C. A., C. R. Haney, R. Balleul-LeSeur, **J. P. Brown**, C. Weitholt. (2012). Challenges in CT Scanning of Avian Mummies. In *Between Heaven and Earth: Birds in Ancient Egypt* edited by Rozenn Balleul-LeSeur, pp. 109–118, Oriental Institute Museum Publications 35. Oriental Institute of the University of Chicago, Chicago. <https://oi.uchicago.edu/pdf/oimp35.pdf>.

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**Laure Dussubieux**

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### **Gary Feinman**

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### **Corrie S. Moreau**

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### **Alfred F. Newton**

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#### **Petra Sierwald**

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**W. Leo Smith**

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**Margaret K. Thayer**

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**Janet R. Voight**

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#### **Jason D. Weckstein**

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#### **Mark W. Westneat**

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### **BIODIVERSITY SYNTHESIS CENTER**

#### **Audrey Aronowsky**

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### **Joshua Drew**

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### **Beth Sanzenbacher**

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### **Mark W. Westneat**

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## **PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION**

### **Kevin A. Feldheim**

Ribeiro, Â. M., P. Lloyd, **K. A. Feldheim**, and R. C. K. Bowie. (2012). Microgeographic socio-genetic structure of an African cooperative breeding passerine revealed: integrating behavioural and genetic data. *Molecular Ecology* 21: 662–672. <http://dx.doi.org/10.1111/j.1365-294X.2011.05236.x>.

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**ACTIVE GRANTS**  
**\$17,744,164**

**DEPARTMENT OF ANTHROPOLOGY**

**Douglas Bolender**

Co-PI: none

Agency: National Science Foundation

Project: RAPID: Testing Geophysical Prospection and Mapping Methods for Early Christian Cemeteries in Iceland

Period: Aug 12–Jul 13

Amount: \$28,680

**L. Antonio Curet**

Co-PI: none

Agency: National Science Foundation

Project: Household and Social Change in Ancient Puerto Rico

Period: Jun 09–May 13

Amount: \$158,898

**Laure Dubussieux**

Co-PI: Ryan Williams

Agency: National Science Foundation

Project: Development of adaptable cell LA-ICP-MS and support for external collaborations in the elemental analysis facility at The Field Museum

Period: Sep 08–Aug 13

Amount: \$177,268

Co-PI: Ryan Williams

Agency: National Science Foundation

Project: Basalt sourcing in the Andean Altiplano: An REU supplement to BCS-0818401

Period: Jul 09–Aug 13

Amount: \$4,000

Co-PI: Ryan Williams

Agency: National Science Foundation

Project: Supplement to: Development of adaptable cell LA-ICP-MS and support for external collaborations in the elemental analysis facility at The Field Museum

Period: Jun 10–Aug 13

Amount: \$4,000

Co-PI: Ryan Williams

Agency: National Science Foundation

Project: REU supplement to: Development of adaptable cell LA-ICP-MS and support for external collaborations in the elemental analysis facility at The Field Museum

Period: Sep 12–Aug 13

Amount: \$4,688

**Mark Golitko**

Co-PI: John Edward Terrell

Agency: National Science Foundation



Project: Archaeological and Environmental Investigations along the mid-Holocene shoreline near Aitape, northern Papua New Guinea  
Period: May 12–Apr 13  
Amount: \$102,330

**Chapurukha M. Kusimba**

Co-PIs: Janet Monge, Ryan Raum, Sloan Williams  
Agency: National Science Foundation  
Project: Collaborative Research: Decoding the Swahili: An archaeological and genetic study of the Swahili of East Africa  
Period: Sep 10–Aug 13  
Amount: \$124,128

**Ruth Norton**

Co-PI: none  
Agency: Institute of Museum and Library Services  
Project: Southern Andean archaeological ceramics desalination project  
Period: Jun 12–May 14  
Amount: \$150,000

**William A. Parkinson**

Co-PI: none  
Agency: America for Bulgaria Foundation  
Project: Advancing archaeological and anthropological research in southeastern Europe  
Period: May 09–May 12  
Amount: \$159,500

Co-PI: none  
Agency: National Science Foundation  
Project: Early Village Social Dynamics: Prehistoric Settlement Nucleation on the Great Hungarian Plain  
Period: Sep 09–Aug 13  
Amount: \$231,312

Co-PI: none  
Agency: National Science Foundation  
Project: Supplement to: Early Village Social Dynamics: Prehistoric Settlement Nucleation on the Great Hungarian Plain  
Period: Sep 09–Aug 13  
Amount: \$7,666

Co-PI: none  
Agency: National Science Foundation  
Project: REU supplement to: Early Village Social Dynamics: Prehistoric Settlement Nucleation on the Great Hungarian Plain  
Period: Jan 10–Aug 13  
Amount: \$6,516

Co-PI: none  
Agency: National Science Foundation  
Project: IRES: Collaboration and mentorship between US, Hungarian, and Greek researchers in the origins and development of prehistoric European villages  
Period: Oct 10–Sep 13  
Amount: \$149,991

Co-PI: none

Agency: America for Bulgaria Foundation

Project: Advancing archaeological and anthropological research in southeastern Europe through awarding postdoctoral fellowships with The Field Museum

Period: Jun 11–Dec 12

Amount: \$106,540

Co-PI: Apostolos Sarris

Agency: Wenner Gren Foundation

Project: Early Village Social Dynamics: Prehistoric Settlement Nucleation on the Great Hungarian Plain

Period: Jun 11–May 13

Amount: \$34,215

Co-PI: none

Agency: Institute for Aegean Prehistory

Project: The Diros project 2012

Period: Jun 12–May 13

Amount: \$18,000

Co-PI: Paul Duffy

Agency: National Science Foundation

Project: Heterogeneity and Complexity in Bronze Age Europe: divergence of social trajectories on the Great Hungarian Plain

Period: Sep 12–Aug 14

Amount: \$91,614

### **Helen Robbins**

Co-PI: none

Agency: National Park Service; NAGPRA

Project: Consultation with the central council of Tlingit and Haida indian tribes of Alaska

Period: Jun 10–Jun 12

Amount: \$23,081

Co-PI: none

Agency: National Park Service; NAGPRA

Project: Consultation with the Hopi tribe

Period: Jun 10–Jun 12

Amount: \$80,545

### **Nicola Sharratt**

Co-PI: Ryan Williams

Agency: The Curtiss T. Brennan & Mary G. Brennan Foundation

Project: Living through collapse: Household archaeology of the breakdown of the Tiwanaku

Period: Jun 12–May 13

Amount: \$4,920

### **John Edward Terrell**

Co-PI: Mark Golitko

Agency: National Science Foundation

Project: Archaeological and Environmental Investigations along the mid-Holocene shoreline near Aitape, northern Papua New Guinea

Period: May 12–Apr 13

Amount: \$102,330

**Alaka Wali**

Co-PI: none

Agency: National Science Foundation

Project: CNH: Collaborative Research: Coupled natural human systems in the Chicago wilderness: Evaluating the biodiversity and social outcomes of different models of restoration planning

Period: Sep 09–Aug 13

Amount: \$495,399

**Patrick Ryan Williams**

Co-PI: Laure Dubussieux

Agency: National Science Foundation

Project: Development of adaptable cell LA-ICP-MS and support for external collaborations in the elemental analysis facility at The Field Museum

Period: Sep 08–Aug 13

Amount: \$177,268

Co-PI: Laure Dubussieux

Agency: National Science Foundation

Project: Basalt sourcing in the Andean Altiplano: An REU supplement to BCS-0818401

Period: Jul 09–Aug 13

Amount: \$4,000

Co-PI: Sofia Chacaltana

Agency: National Science Foundation

Project: DDIG: Mechanics of Empire and Integration—the role of small-scale Inca installations in the Colesuyo region

Period: Feb 10–Jan 12

Amount: \$19,990

Co-PI: Laure Dubussieux

Agency: National Science Foundation

Project: Supplement to: Development of adaptable cell LA-ICP-MS and support for external collaborations in the elemental analysis facility at The Field Museum

Period: Jun 10–Aug 13

Amount: \$4,000

Co-PI: Nicola Sharratt

Agency: Brennan Foundation

Project: Living through collapse: Household archaeology of the breakdown of the Tiwanaku

Period: Jun 12–May 13

Amount: \$4,920

Co-PI: Laure Dubussieux

Agency: National Science Foundation

Project: REU supplement to: Development of adaptable cell LA-ICP-MS and support for external collaborations in the elemental analysis facility at The Field Museum

Period: Sep 12–Aug 13

Amount: \$4,688

Co-PI: none

Agency: Negaunee Foundation

Project: Support for an FMNH/UIC Teaching Fellow

Period: Jan 13–Dec 13

Amount: \$30,000

## **DEPARTMENT OF BOTANY**

### **John J. Engel**

Co-PI: Matt von Konrat

Agency: National Science Foundation

Project: Collaborative research on the Marchantiophyta, Anthoceroophyta and Bryophyta of the cape horn archipelago: Floristics and implications for conservation

Period: May 10–Apr 14

Amount: \$196,676

Co-PI: Matt von Konrat

Agency: National Science Foundation

Project: The complete conversion and digitization of the Field Museum's Bryophyte collection: Working towards a networking hub of bryophyte specimen and taxonomic data

Period: Apr 11–Mar 14

Amount: \$349,886

### **Robert Lücking**

Co-PI: none

Agency: National Science Foundation

Project: NEOTROPICAL EPIPHYTIC MICROLICHENS—An innovative inventory of a highly diverse yet little known group of symbiotic organisms

Period: Oct 07–Aug 12

Amount: \$448,873

Co-PI: Thorsten Lumbsch

Agency: National Science Foundation

Project: ATM - Assembling a taxonomic monograph: The lichen family Graphidaceae

Period: Aug 10–Jul 13

Amount: \$466,110

Co-PI: Matt von Konrat

Agency: National Science Foundation

Project: Digitization TCN Collaborative Research: North American Lichens and Bryophytes: Sensitive Indicators of Environmental Quality and Change

Period: Jul 11–Jun 15

Amount: \$143,252

### **H. Thorsten Lumbsch**

Co-PI: Theodore Esslinger

Agency: National Science Foundation

Project: Hidden diversity in parmelioid lichens (Ascomycota, Lecanorales)

Period: Mar 10–Feb 13

Amount: \$280,880

Co-PI: Robert Lücking

Agency: National Science Foundation

Project: ATM - Assembling a taxonomic monograph: The lichen family Graphidaceae

Period: Aug 10–Jul 13

Amount: \$466,110

Co-PI: Christine Niezgoda, Matt von Konrat  
Agency: Andrew W. Mellon Foundation  
Project: Latin American Plants  
Period: Jun 10–Dec 13  
Amount: \$136,000

Co-PI: none  
Agency: Negaunee Foundation  
Project: Next-generation DNA sequencing of lichens  
Period: Jan 13–Dec 13  
Amount: \$18,000

**Christine Niezgoda**

Co-PI: Thorsten Lumbsch, Matt von Konrat  
Agency: Andrew W. Mellon Foundation  
Project: Latin American Plants  
Period: Jun 10–Dec 13  
Amount: \$136,000

**Richard H. Ree**

Co-PI: Patrick Kuss  
Agency: National Science Foundation  
Project: Phylogeny, biogeography, and diversification in Pedicularis (Orobanchaceae)  
Period: Apr 11–Mar 14  
Amount: \$399,424

Co-PI: none  
Agency: National Science Foundation  
Project: Collaborative Research: Automated and community-driven synthesis of the tree of life  
Period: Apr 11–Mar 14  
Amount: \$399,424

Co-PI: none  
Agency: Negaunee Foundation  
Project: Chicago Plant Symposium  
Period: Jan 13–Dec 13  
Amount: \$6,000

**Matt von Konrat**

Co-PIs: John Engel  
Agency: National Science Foundation  
Project: Collaborative research on the Marchantiophyta, Anthoceroophyta and Bryophyta of the cape horn archipelago: Floristics and implications for conservation  
Period: May 10–Apr 14  
Amount: \$196,676

Co-PI: Thorsten Lumbsch, Matt von Konrat  
Agency: Andrew W. Mellon Foundation  
Project: Latin American Plants  
Period: Jun 10–Dec 13  
Amount: \$136,000

Co-PI: John Engel

Agency: National Science Foundation  
Project: The complete conversion and digitization of the Field Museum's Bryophyte collection: Working towards a networking hub of bryophyte specimen and taxonomic data  
Period: Apr 11–Mar 14  
Amount: \$349,886

Co-PI: Robert Lücking  
Agency: National Science Foundation  
Project: Digitization TCN Collaborative Research: North American Lichens and Bryophytes: Sensitive Indicators of Environmental Quality and Change  
Period: Jul 11–Jun 15  
Amount: \$143,252

Co-PI: none  
Agency: Negaunee Foundation  
Project: Field trip to Polynesia  
Period: Jan 12–Dec 12  
Amount: \$25,000

Co-PI: Matt Greif  
Agency: National Science Foundation  
Project: ARTS: Collaborative Research: A model systematic treatment of a hyper-diverse lineage descended from early land plants (Frullania, Frullaniaceae, Marchantiophyta)  
Period: Apr 12–Mar 15  
Amount: \$310,309

## **DEPARTMENT OF GEOLOGY**

### **Kenneth D. Angielczyk**

Co-PI: none  
Agency: National Science Foundation  
Project: Natural History Collections: Equipment for The Field Museum's Fossil Mammal Collection Range for the Accommodation of Nonmammalian Synapsids and the Turnbull Collection  
Period: Jun 12–May 15  
Amount: \$499,998

PI: Petra Sierwald  
Agency: National Science Foundation  
Project: REU Site: Access to Global Biodiversity Studies for Undergraduates  
Period: Jun 09–May 12  
Amount: \$286,234

### **Ian Glasspool**

Co-PI: none  
Agency: Negaunee Foundation  
Project: Acquisition of Pennsylvanian Age Peats Collection  
Period: Jan 13–Dec 13  
Amount: \$20,000

### **Lance Grande**

Co-PI: none  
Agency: Negaunee Foundation

Project: Evolution of Sturgeons  
Period: Jan 13–Dec 13  
Amount: \$54,000

**Philipp R. Heck**

Co-PI: none  
Agency: Tawani Foundation  
Project: 2012 Tawani International Antarctic Expedition  
Period: Jul 12–Jun 13  
Amount: \$250,000

Co-PI: none  
Agency: NASA  
Project: The origin of meteoritic nanodiamonds, interstellar residence times and isotopic anomalies of presolar grains and subgrains.  
Period: Mar 11–Mar 14  
Amount: \$176,000

Co-PI: James Holstein  
Agency: Negaunee Foundation  
Project: Data migration for meteorite and physical geology collections  
Period: Jan 12–Dec 12  
Amount: \$26,160

**James Holstein**

Co-PI: Philipp Heck  
Agency: Negaunee Foundation  
Project: Data migration for meteorite and physical geology collections  
Period: Jan 12–Dec 12  
Amount: \$26,160

**Scott Lidgard**

Co-PI: none  
Agency: Negaunee Foundation  
Project: *E pluribus unum*: How biology understands colonies, individuals & the structure of life  
Period: Jan 12–Dec 12  
Amount: \$25,000

Co-PI: Melanie Hopkins  
Agency: National Science Foundation  
Project: Collaborative Workshop: An Internet Resource for Integrating Plate Tectonic and Paleogeographic Mapping with On-line Earth Science Databases  
Period: Jul 11–Jun 13  
Amount: \$20,047

Co-PI: Beckett Sterner  
Agency: National Science Foundation  
Project: STS Postdoctoral Fellowship: The impact of mathematics on inferring classifications and phylogenies  
Period: Aug 12–Jul 14  
Amount: \$120,000

Co-PI: Lynn K. Nyhart

Agency: Chemical Heritage Foundation  
Project: Cain Conference Fellowship—*E pluribus unum*: Bringing biological parts and wholes into historical and philosophical perspective  
Period: Jan 12–Dec 12  
Amount: \$35,000

**Peter J. Makovicky**

Co-PI: Nathan D. Smith  
Agency: National Science Foundation  
Project: Collaborative research: New research on the Mesozoic vertebrate faunas of the Beardmore Glacier region, Antarctica  
Period: Sep 09–Aug 13  
Amount: \$212,791

Co-PI: Petra Sierwald  
Agency: National Science Foundation  
Project: REU Site: Networked access to systematic resources for undergraduates in Chicagoland  
Period: Jun 09–May 12  
Amount: \$258,464

Co-PI: Nathan D. Smith  
Agency: National Science Foundation  
Project: Collaborative Research: ARTS—Revisionary systematics of fossil and living Caribbean faviid and mussid reef corals (Cnidaria, Anthozoa, Scleractinia)  
Period: Jul 12–Jun 14  
Amount: \$110,781

Co-PI: none  
Agency: Negaunee Foundation  
Project: CT scanning of dinosaur fossils  
Period: Jan 12–Dec 12  
Amount: \$7,165

Co-PI: Nathan D. Smith  
Agency: National Science Foundation  
Project: Collaborative research: Continued Research on the Jurassic Vertebrate Fauna from the Beardmore Glacier Region of Antarctica  
Period: Jan 12–Dec 14  
Amount: \$302,964

**Paul Mayer**

Co-PI: Peter Sheehan (MPM), Patricia Coorough-Burke (MPM)  
Agency: Institute of Museum and Library Services  
Project: The Silurian Faunas of the Upper Midwest Database Project  
Period: Oct 12–Sep 15  
Amount: \$146,382

**Olivier Rieppel**

Co-PI: Thorsten Scheyer  
Agency: Swiss National Science Foundation  
Project: Phylogenetic relationships of placodont reptiles (Diapsida, Sauropterygia) as evidenced by 3D imaging, bone histology, and developmental data



Period: Jan 10–Dec 13  
Amount: SFr. 230,000

Co-PIs: J. Jiang, R. Motani, A. Tintori  
Agency: Chinese National Science Foundation  
Project: Radiation bio-event sequence of marine reptile faunas and global migratory-evolutionary pattern within the course from early recovery to radiated reconstruction of Early-Middle Triassic ecosystem after the end-Permian Mass Extinction  
Period: Jan 10–Dec 13  
Amount: ¥1,400,000

Co-PIs: Jörg Fröbisch, Nadia Fröbisch, Martin Sander, Lars Schmitz  
Agency: National Geographic Society  
Project: The enigmatic *Omphalosaurus* and the diversification of marine reptiles  
Period: Jan 11–Dec 12  
Amount: \$17,000

Co-PI: none  
Agency: Negaunee Foundation  
Project: Research on Hennig and Haeckel book  
Period: Jan 12–Dec 12  
Amount: \$7,165

**Nathan D. Smith**

Co-PI: Peter J. Makovicky  
Agency: National Science Foundation  
Project: Collaborative Research: Continued research on the Jurassic vertebrate fauna from the Beardmore Glacier region of Antarctica  
Period: Jul 12–Jun 14  
Amount: \$302,964

Co-PI: Peter J. Makovicky  
Agency: National Science Foundation  
Project: Collaborative Research: ARTS–Revisionary systematics of fossil and living Caribbean faviid and mussid reef corals (Cnidaria, Anthozoa, Scleractinia)  
Period: Jul 12–Jun 14  
Amount: \$110,781

PI: Peter J. Makovicky  
Agency: National Science Foundation  
Project: Collaborative Research: New research on the Mesozoic vertebrate faunas of the Beardmore Glacier region, Antarctica  
Period: Sep 09–Aug 13  
Amount: \$212,791

**Beckett Sterner**

Co-PI: Scott Lidgard  
Agency: National Science Foundation  
Project: STS Postdoctoral Fellowship: The impact of mathematics on inferring classifications and phylogenies  
Period: Aug 12–Jul 14  
Amount: \$120,000

## DEPARTMENT OF ZOOLOGY

### **John M. Bates**

Co-PI: Julian Kerbis

Agency: John D. and Catherine T. MacArthur Foundation

Project: Climate change in the Albertine Rift: Effects on genetic diversity of hosts and their disease-carrying parasites

Period: Jan 10–Dec 13

Amount: \$350,000

Co-PI: Jason Weckstein

Agency: National Science Foundation

Project: Collaborative Research: Southern Amazonian birds and their symbionts: Biodiversity and endemism of parasites from the most diverse avifauna on Earth

Period: Aug 11–Jul 14

Amount: \$537,000

Co-PI: none

Agency: Negaunee Foundation

Project: Genetics and biodiversity of Albertine Rift birds

Period: Jan 12–Dec 12

Amount: \$44,000

Co-PI: none

Agency: National Science Foundation

Project: Dimensions US-BIOTA-Sao Paulo: Assembly and evolution of the Amazonian biota and its environment: an integrated approach

Period: Sep 12–Aug 17

Amount: \$235,176

Co-PIs: Jake Esselstyn, Julian Kerbis, Bill Stanley

Agency: National Science Foundation

Project: Resolving issues of species, phylogeny, and radiation in a diverse group of Old World tropical mammals

Period: Feb 12–Jan 15

Amount: \$500,006

Co-PI: none

Agency: Negaunee Foundation

Project: 2013 American Ornithologists' Union meeting

Period: Jan 13–Dec 13

Amount: \$30,000

### **Rüdiger Bieler**

Co-PI: none

Agency: National Science Foundation

Project: Collaborative Research: AToL: Phylogeny on the half-shell—Assembling the Bivalve Tree of Life

Period: Jan 08–Aug 13

Amount: \$1,345,017

Co-PI: none

Agency: National Science Foundation

Project: Collaborative Research: REVSYS: Worm snails revised (Mollusca: Gastropoda)

Period: Mar 09–Feb 13  
Amount: \$250,000

Co-PI: Paula Mikkelsen  
Agency: National Science Foundation  
Project: Collaborative Research: Bivalves in time and space: Testing the accuracy of methods to reconstruct ancestral morphology, dates, geography, and diversification patterns  
Period: Aug 09–Jul 13  
Amount: \$332,425

Co-PI: Margaret Thayer  
Agency: National Science Foundation  
Project: Infrastructure improvements to support invertebrate research at The Field Museum  
Period: Aug 10–Jul 13  
Amount: \$2,787,782

Co-PI: Andre Sartori  
Agency: EOL Fellows Program  
Project: Marine bivalves (Veneridae, Cardiidae, and Pholadomyoidea)  
Period: Feb 11–Jan 12  
Amount: \$20,000

Co-PI: none  
Agency: Negaunee Foundation  
Project: Field vehicle for Florida Keys station  
Period: Jan 12–Dec 12  
Amount: \$28,350

**Jake Esselstyn**

Co-PIs: John Bates, Julian Kerbis, Bill Stanley  
Agency: National Science Foundation  
Project: Resolving issues of species, phylogeny, and radiation in a diverse group of Old World tropical mammals  
Period: Feb 12–Jan 15  
Amount: \$500,006

**Steven M. Goodman**

Co-PI: none  
Agency: The John D. and Catherine T. MacArthur Foundation  
Project: Climate Change on Madagascar  
Period: Nov 09–Oct 12  
Amount: \$400,000

**Shannon J. Hackett**

Co-PI: Elizabeth Babcock  
Agency: National Institutes of Health (Univ. of Chicago)  
Project: Subaward: Center for transcriptional network dynamics and evolution  
Period: Sep 08–Aug 12  
Amount: \$202,747  
Co-PI: none  
Agency: The Davee Foundation  
Project: Emerging Pathogens  
Period: Jan 09–Dec 13

Amount: \$950,000

Co-PI: none

Agency: Dr. Ralph and Marian Falk Medical Research Trust

Project: Emerging Pathogens

Period: Jan 09–Dec 14

Amount: \$950,000

**Larry R. Heaney**

Co-PI: William Stanley

Agency: Center for Disease Control

Project: Wildlife sampling to inform modeling studies in the Greater Congo Basin

Period: Oct 11–Sep 12

Amount: \$158,000

Co-PI: none

Agency: Negaunee Foundation

Project: Mammals of Luzon Book

Period: Jan 13–Dec 13

Amount: \$55,000

**Corrie S. Moreau**

Co-PI: none

Agency: National Science Foundation

Project: Collaborative Research: Inferring bacterial roles in the evolution of trophic level across the ants

Period: Mar 11–Feb 14

Amount: \$299,770

Co-PI: none

Agency: Negaunee Foundation

Project: Ant symbiosis in Costa Rica

Period: Jan 12–Dec 12

Amount: \$29,000

Co-PI: none

Agency: Negaunee Foundation

Project: Databasing the FMNH Ant Collection

Period: Jan 13–Dec 13

Amount: \$50,000

**Bruce D. Patterson**

Co-PI: Nate Upham

Agency: National Science Foundation

Project: DISSERTATION RESEARCH Fossils and phylogeny: investigating the timing of diversification in a diverse lineage of Neotropical rodents (Caviomorpha: Octodontoidea)

Period: Jul 11–Jun 13

Amount: \$15,000

**Andre F. Sartori**

Co-PI: Rüdiger Bieler

Agency: EOL Fellows Program

Project: Marine bivalves (Veneridae, Cardiidae, and Pholadomyoidea)

Period: Feb 11–Jan 12

Amount: \$20,000

**Petra Sierwald**

Co-PI: Jason Bond  
Agency: National Science Foundation  
Project: The Diplopoda: Systematics research, training and tools  
Period: Jan 06–Dec 12  
Amount: \$748,955

Co-PI: Peter Makovicky  
Agency: National Science Foundation  
Project: REU Site: Networked Access to Systematic Resources for Undergraduates in Chicagoland  
Period: Jun 09–May 12  
Amount: \$258,464

Co-PI: Peter Makovicky  
Agency: National Science Foundation  
Project: Supplement to: REU Site: Networked Access to Systematic Resources for Undergraduates in Chicagoland  
Period: Jan 10–May 12  
Amount: \$1,000

Co-PI: Margaret Thayer  
Agency: Negaunee Foundation  
Project: Imaging small insects and invertebrates  
Period: Jan 12–Dec 12  
Amount: \$9,899

Co-PI: Ken Angielczyk  
Agency: National Science Foundation  
Project: REU Site: Access to Global Biodiversity Studies for Undergraduates  
Period: Jun 09–May 12  
Amount: \$286,234

**W. Leo Smith**

Co-PI: none  
Agency: National Science Foundation  
Project: Collaborative Research: Assembling the Euteleost Tree of Life—Addressing the Major Unresolved Problem in Vertebrate Phylogeny  
Period: Oct 07–Sep 13  
Amount: \$261,598

Co-PI: none  
Agency: National Science Foundation  
Project: Collaborative Research: Evolution of exceptional diversity in spiny-rayed fishes  
Period: Mar 11–Feb 13  
Amount: \$288,056

Co-PI: none  
Agency: Negaunee Foundation  
Project: 3-D imaging of Abyssal fishes  
Period: Jan 12–Dec 12  
Amount: \$32,000

**William T. Stanley**

Co-PI: Larry Heaney

Agency: Center for Disease Control

Project: Wildlife sampling to inform modeling studies in the Greater Congo Basin

Period: Oct 11–Sep 13

Amount: \$158,000

Co-PIs: John Bates, Jake Esselstyn, Julian Kerbis

Agency: National Science Foundation

Project: Resolving issues of species, phylogeny, and radiation in a diverse group of Old World tropical mammals

Period: Feb 12–Jan 15

Amount: \$500,006

**Margaret Thayer**

Co-PI: Rüdiger Bieler

Agency: National Science Foundation

Project: Infrastructure improvements to support invertebrate research at The Field Museum

Period: Aug 10–Jul 13

Amount: \$2,787,782

Co-PI: Petra Sierwald

Agency: Negaunee Foundation

Project: Imaging small insects and invertebrates

Period: Jan 12–Dec 12

Amount: \$9,899

**Jason D. Weckstein**

Co-PI: John Bates

Agency: National Science Foundation

Project: Collaborative Research: Southern Amazonian birds and their symbionts: Biodiversity and endemism of parasites from the most diverse avifauna on Earth

Period: Aug 11–Jul 14

Amount: \$537,000

**Mark W. Westneat**

Co-PI: none

Agency: National Science Foundation

Project: Phylogenetic relationships and the evolution of skull mechanisms in perciform coral reef fishes

Period: Mar 09–Feb 13

Amount: \$400,000

**BIODIVERSITY SYNTHESIS CENTER**

**Torsten Dikow**

Co-PI: none

Agency: National Science Foundation

Project: REVSYS: Phylogeny, revisionary taxonomy & the fossil record of asiloid flies (Diptera: Apioceridae, Asilidae, Mydidae)

Period: Aug 09–Jul 13

Amount: \$382,628

**Mark W. Westneat**

Co-PI: none

Agency: National Science Foundation

Project: Supplement to: Phylogenetic relationships and the evolution of skull mechanisms in perciform coral reef fishes

Period: Mar 09–Feb 13

Amount: \$11,950

Co-PI: none

Agency: National Science Foundation

Project: Collaborative Research: CSBR: Natural History Collections: Georeferencing U.S. Fish Collections: a community-based model for georeferencing natural history collections

Period: Aug 12–Jul 15

Amount: \$137,069

**LIBRARY**

**Christine Giannoni**

Co-PI: none

Agency: Negaunee Foundation

Project: Library photo archives: Scanning archival negatives

Period: Jan 12–Dec 12

Amount: \$13,100

Co-PI: none

Agency: Negaunee Foundation

Project: Library photo archives: Preserving Deteriorating Negatives

Period: Jan 13–Dec 13

Amount: \$36,000

**OFFICE OF COLLECTIONS AND RESEARCH**

**Lance Grande**

Co-PI: none

Agency: Negaunee Foundation

Project: Continued support for *expeditions@fieldmuseum.org*

Period: Jan 12–Dec 12

Amount: \$50,000

Co-PI: none

Agency: Negaunee Foundation

Project: *Field Revealed* video series

Period: Jan 12–Dec 12

Amount: \$70,000

Co-PI: none

Agency: Negaunee Foundation

Project: Enhancement and upgrades to Collections and Research web content

Period: Jan 12–Dec 12

Amount: \$25,083

Co-PI: none  
Agency: Negaunee Foundation  
Project: Continued support for *expeditions@fieldmuseum.org*  
Period: Jan 13–Dec 13  
Amount: \$51,000

**PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION**

**Kevin A. Feldheim**

Co-PI: none  
Agency: Negaunee Foundation  
Project: Support for DNA-based research projects  
Period: Jan 13–Dec 13  
Amount: \$50,000



## CONFERENCES, SYMPOSIA, WORKSHOPS AND INVITED LECTURES, 2012

### DEPARTMENT OF ANTHROPOLOGY

#### **Douglas Bolender**

Presenter, Annual Meeting of the Theoretical Archaeology Group, Buffalo, NY; Presenter, 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN.

#### **J.P. Brown**

Presenter, Emergency Response Workshop, Chicago Cultural Center, Chicago, IL; Presenter, State Microscopical Society of Illinois Annual Meeting, Chicago, IL.

#### **Laure Dussubieux**

Rencontres de l'AFAV, France; Invited Lecturer, Ecole Française d'Extrême-Orient, Paris, France.

#### **Gary Feinman**

77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; 113<sup>th</sup> Annual Meeting of the Archaeological Institute of America, Philadelphia, PA; "The Principles of Complexity: Life, Scale, and Civilization," Santa Fe Institute, Santa Fe, NM; Invited Lecturer, Archaeology Department, Shandong University, Jinan, China.

#### **Mark Golitko**

40<sup>th</sup> Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Chicago, IL; NEOMAP Conference "Inland Seas in Global Perspective," Leiden, the Netherlands; 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; Eastern Analytical Symposium and Exposition, Somerset, NJ; Annual Meeting of the American Anthropological Association, San Francisco, CA; Invited Lecturer, Ripon College, Ripon, WI.

#### **Jonathan Haas**

77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; Invited Lecturer, Museum Anthropology, University of Illinois at Urbana-Champaign, Urbana, IL.

#### **Dilyana Ivanova**

Presenter, 9<sup>th</sup> Joint North American and Bulgarian Conference, Eugene, OR; Invited Lecturer, American Research Center, Sofia, Bulgaria.

#### **Jamie Kelly**

Presenter, Midwest Archaeological Conference, Michigan State University, East Lansing, MI.

#### **Chapurukha M. Kusimba**

Keynote Speaker, Ancient Chinese Trade Ceramics, Guanzhou, China; Institut National de Recherches Archéologiques Préventives, Paris, France; Presenter, Southern Illinois University, Carbondale, IL; Presenter, Sun Yat-Sen University, Guangzhou, China; Lecturer, Departments of Religion and Africana Studies, University of Tennessee, Knoxville, TN; Lecturer, Archaeological Institute of America – Knoxville Chapter, Knoxville, TN; Lecturer, Department of Humanities and Social Sciences, Pwani University College, Kilifi, Kenya; Lecturer, Departments of Anthropology and Classical Archaeology, Brown University, Providence, RI.

#### **Andrew Leith**

3<sup>rd</sup> International Mountmakers' Forum, Chicago, IL.

**Gloria Levitt**

Invited Speaker, Sociology and Anthropology Club, North Central College, Naperville, IL.

**Robert D. Martin**

Guest Lecturer, University of Chicago, Chicago, IL; Area Undergraduate Research Symposium, Chicago, IL; Presenter, President's Leadership Council and Field Associates, University Club, Chicago, IL; Invited Lecturer, University Club, Chicago, IL; Keynote Speaker, Leakey Foundation Symposium, California Academy of Sciences, San Francisco, CA; Invited Lecturer, Earth Science Club of Northern Illinois, Glen Ellyn, IL; Invited Speaker, Midwest Primate Interest Group Annual Conference, Northern Illinois University, DeKalb, IL.

**Shannon Martino**

American Schools of Oriental Research Annual Meeting, Chicago, IL.

**Linda Nicholas**

77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; Invited Lecturer, Archaeology Department, Shandong University, Jinan, China.

**Lisa Niziolek**

Presenter, 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; Presenter, Social Network Analysis Seminar Series, The Field Museum, Chicago, IL; Presenter, Annual Meeting of the European Association of Southeast Asian Archaeologists, Dublin, Ireland.

**Ruth Norton**

Presenter, 3<sup>rd</sup> International Mountmakers' Forum, Chicago, IL; Presenter, Vivekananda Memorial Program for Museum Excellence, Art Institute of Chicago and Government of India Ministry of Culture, Chicago, IL.

**William A. Parkinson**

Presenter, 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; Presenter, Chronologies, Lithics, and Metals: Late Neolithic and Copper Age in the Eastern Part of the Carpathian Basin and in the Balkans (workshop), Eötvös Loránd Scientific University, Budapest, Hungary; Presenter, 113<sup>th</sup> Annual Meetings of the Archaeological Institute of America, Philadelphia, PA; Presenter, Early Farmers: The View from Archaeology and Science, Cardiff, Wales, United Kingdom; Presenter, Theory and Method in the Prehistoric Archaeology of Central Europe, Mikulov, Czech Republic.

**James L. Phillips**

Presenter, UISPP Meeting on the Upper Paleolithic in the Mediterranean, Liege, Belgium; Invited Lecturer, Max Plank Institute, Leipzig, Germany; Presenter, Late Glacial Paleogeography and Archaeology of the Eastern Mediterranean and of the European Loess Belt, Aachen, Germany.

**Matthew Piscitelli**

Presenter, Section Chair and Discussant, 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN.

**John Edward Terrell**

Invited Lecturer, Inland Seas in a Global Perspective: International Conference on the Archaeology, History, and Heritage Management of Coastal Landscapes, Leiden University, The Netherlands; Invited Lecturer, Conversations on Inequality: an Interdisciplinary Seminar, Pufendorf Institute for Advanced Studies, Lund University, Sweden.

**Alaka Wali**

Annual Meeting of the American Anthropological Association, San Francisco, CA; Invited Guest Lecturer, Anthropology Department, University of Denver, Denver, CO; Annual Meetings of the Society for Applied Anthropology, Baltimore, MD; Invited Guest Lecturer, New York Hall of Science, Queens, NY.

**Brittany Wheeler**

46<sup>th</sup> Native American Graves Protection and Repatriation Act Review Committee Meeting, Santa Fe, NM; Contributor, ARUC/CURA Tshine-Natuapahtetau-Kigibiwewidon: exploration of new alternatives on the return/re-appropriation of Aboriginal heritage, Mashteuiatsh First Nations Reserve, Quebec, Canada; 47<sup>th</sup> Native American Graves Protection and Repatriation Act Review Committee Meeting, Washington, D.C.; Various Symposia, DePaul University College of Law, Center for Art, Museum & Cultural Heritage Law, Chicago, IL.

**Patrick Ryan Williams**

53<sup>rd</sup> Annual meeting of the Institute for Andean Studies, Berkeley, CA; Organizer and Presenter, 40<sup>th</sup> Midwest Meeting on Andean and Amazonian Archaeology and Ethnohistory, Chicago, IL; Presenter, 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis, TN; Keynote Speaker, Archaeological Sciences in the Americas Symposium, Vanderbilt University, Nashville, TN; Presenter, Chilean Archaeology Congress, Arica, Chile; Presenter, Annual Meeting of the American Anthropological Association, San Francisco, CA.

**DEPARTMENT OF BOTANY****Chris Baron**

Phylotastic Hackathon, National Evolutionary Synthesis Center (NESCent), Durham, NC.

**Laura Briscoe**

Connecting Biodiversity Research with Curriculum, Encyclopedia of Life Biodiversity Synthesis Center, The Field Museum, Chicago, IL; Working Towards a Model Systematic Treatment of a Hyper-Diverse Lineage Descended from Early Land Plants (Frullaniaceae, Marchantiophyta), Encyclopedia of Life Biodiversity Synthesis Center, The Field Museum, Chicago, IL; MOSS 2012 and 3<sup>rd</sup> International Symposium on Molecular Systematics of Bryophytes, New York Botanical Garden, NYC, NY.

**Patrick Leacock**

Presenter, First North American Mycoflora Workshop, Yale University, CT; Presenter, Indiana Dunes National Lakeshore Science Conference, Indiana University Northwest, Gary, IN.

**Juan Larrain**

Connecting Biodiversity Research with Curriculum, Encyclopedia of Life Biodiversity Synthesis Center, The Field Museum, Chicago, IL; Working Towards a Model Systematic Treatment of a Hyper-Diverse Lineage Descended from Early Land Plants (Frullaniaceae, Marchantiophyta), Encyclopedia of Life Biodiversity Synthesis Center, The Field Museum, Chicago, IL.

**Steven Leavitt**

7<sup>th</sup> IAL Symposium (Bangkok, Thailand); Lecturer, Western Illinois University Department of Biology Seminar Series, Macomb, IL.

**Robert Lücking**

7<sup>th</sup> IAL Symposium (IAL7), Bangkok, Thailand; 49<sup>th</sup> Annual Meeting of the Association for Tropical Biology and Conservation (ATBC 2012), Bonito, Mato Grosso do Sul, Brazil; 6<sup>th</sup> Encontro do Grupo Brasileiro de Liquenologos (VI EGBL), Universidade Estadual Paulista Júlio de Mesquita Filho, Botucatu, Brazil; NSF International Teloschistales Workshop, Copenhagen, Denmark; NSF Tropical Lichen Workshop,

Universidad Distrital Francisco José de Caldas, Bogotá, Colombia; NSF Tropical Lichen Workshop, Universidade Federal de Sergipe, Itabaiana, Brazil; Lecturer, Department of Biology, University of Copenhagen, Denmark; Lecturer, George Mason University, Fairfax, Virginia; Lecturer; Licenciatura en Biología, Universidad Distrital Francisco José Caldas, Bogotá, Colombia.

**H. Thorsten Lumbsch**

Bryologisch-lichenologische Arbeitsgemeinschaft Meeting, Lugano, Switzerland; Global Plant Initiative Meeting, Madrid, Spain; International Association for Lichenology Meeting, Bangkok, Thailand; International Union of Biological Sciences Meeting, Suzhou, China; Lecturer, Cornell University, Ithaca, NY; Lecturer, Ramkhamhaeng University, Bangkok, Thailand; Universidad Complutense, Madrid, Spain.

**Christine Niezgoda**

Society for the Preservation of Natural History Collections Meeting, Yale University; Global Plants Initiative Meeting, Madrid, Spain.

**Sittiporn Parnmen**

Invited speaker, 7<sup>th</sup> International Association for Lichenology (IAL) symposium, Bangkok, Thailand.

**Richard H. Ree**

Invited speaker, University of Hawaii at Manoa; speaker, University of Tennessee; speaker, University of Connecticut; speaker, Smithsonian Botanical Symposium, National Museum of Natural History; Association for Tropical Biology and Conservation, Bonito, Brazil; Society of the Study of Evolution, Ottawa, Canada.

**Betty Strack**

Annual Meeting of Mycological Society of America, New Haven, CT; A. H. Smith Great Lakes Mycological Foray, Warsaw, IL.

**Matt von Konrat**

Connecting Biodiversity Research with Curriculum, Encyclopedia of Life Biodiversity Synthesis Center, The Field Museum, Chicago, IL; Working Towards a Model Systematic Treatment of a Hyper-Diverse Lineage Descended from Early Land Plants (Frullaniaceae, Marchantiophyta), Encyclopedia of Life Biodiversity Synthesis Center, The Field Museum Chicago; MOSS 2012 and 3<sup>rd</sup> International Symposium on Molecular Systematics of Bryophytes, New York Botanical Garden, NYC, NY.

**DEPARTMENT OF GEOLOGY**

**Kenneth D. Angielczyk**

Society for Integrative and Comparative Biology, Charleston, SC; Palaeontological Society of Southern Africa, Cape Town, SA; 72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC; Paleontology Brown Bag, Department of Geological Sciences, University of Texas, Austin, TX; Zygon Center for Religion and Science, Lutheran School of Theology Hyde Park Campus, Chicago, IL; Department of the Geophysical Sciences, University of Chicago, Chicago, IL.

**Marlene Hill Donnelly**

Presenter, Guild of Natural Science Illustrators Annual Conference, Savannah, GA.

**Ian Glasspool**

EGU General Assembly 2012, Vienna, Austria.

**Lance Grande**

Presenter, 72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC; Invited Keynote Lecturer, International Society of Ophthalmology, Chicago, IL.

**Philipp R. Heck**

Presenter, 43<sup>rd</sup> Lunar and Planetary Science Conference, The Woodlands, TX; Presenter, Advanced Photon Source/Center for Nanoscale Materials/Electron Microscopy Center Users Meeting 2012, Argonne National Laboratory; Presolar Grains Workshop, St. Louis, MO; Lecturer, Department of Geography-Geology, Illinois State University, Normal, IL; Presenter, Argonne National Laboratory, Argonne, IL; Indian Scientific Expeditions to Antarctica, Indian Antarctic Station Maitri.

**James Holstein**

43<sup>rd</sup> Lunar and Planetary Science Conference, The Woodlands, TX.

**Scott Lidgard**

Symposia co-organizer and Lecturer, 2012 Gordon Cain Conference: “*E pluribus unum*: Bringing Biological Parts and Wholes into Historical and Philosophical Perspective,” Chemical Heritage Foundation, Philadelphia, PA; Presenter, Wisconsin Institutes for Discovery Conference: “What is an individual? Where philosophy, history, and biology coincide,” University of Wisconsin, Madison, WI; Presenter, Chemical Heritage Foundation, Philadelphia, PA; Geological Society of America Annual Meeting, Charlotte, N.C.

**Peter J. Makovicky**

72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC.

**Paul Mayer**

Presenter, 46<sup>th</sup> Annual Meeting of the Geological Society of America North-Central Section, Dayton, OH; Presenter, iDigBio Paleocollections Workshop, University of Florida, Gainesville, FL; Presenter, 27<sup>th</sup> Annual Meeting of the Society for the Preservation of Natural History Collections, Yale University, New Haven, CT.

**Olivier Rieppel**

Workshop “*E pluribus unum*—What is a Biological Individual?” University of Wisconsin, Madison, WI; 72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC.

**Akiko Shinya**

72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC.

**William Simpson**

72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC; Archival Materials Workshop, SVP Annual Meeting, Raleigh, NC.

**Paul P. Sipiera**

Lunar and Planetary Science Conference, Houston, TX; Annual Meeting of the Meteoritical Society, Cairns, Australia; Lizzadro Museum of Lapidary Art, Elmhurst, IL.

**Nathan D. Smith**

72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC; Planning Workshop, USAP Steering Committee for Deep Field Camps, Indianapolis, IL; NESCent workshop, “Synthesizing and databasing fossil calibrations: divergence dating and beyond,” Durham, NC; Department of Geoscience, University of Iowa, Iowa City, IA; Department of Biology, Howard University, Washington, DC; Department of Geology, Augustana College, Rock Island, IL; Department of Ecology and Evolutionary Biology, Cornell

University, Ithaca, NY; Friday Club, Casino Club, Chicago, IL; Field Museum of Natural History, Founders Council Meeting, Chicago, IL.

**Beckett Sterner**

Philosophy of Science Association, San Diego, CA. "The Pragmatics of Prediction and Explanation."

**Constance Van Beek**

72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC: Fossil Preparation Workshops (4), Burpee Museum, Rockford, IL.

**DEPARTMENT OF ZOOLOGY**

**John M. Bates**

Symposium speaker, Association for Tropical Biology; Presenter, North American Ornithological Conference (one poster).

**Rüdiger Bieler**

Organizer, American Malacological Society Annual Meeting, Philadelphia, PA; Bivalves-in-Time-and-Space (BiTS) collaborators meeting, BioSynC, The Field Museum, Chicago, IL.

**James H. Boone**

Illinois Butterfly Monitoring Workshop, Chicago, IL.

**Matthew P. Davis**

American Society of Ichthyologists and Herpetologists, World Herpetology Congress, Vancouver, Canada; Evolution, Ottawa, Canada; Invited Lecturer, Scripps Institution of Oceanography, University of California, San Diego, CA; Illinois Wesleyan University, Bloomington, IL.

**Rebecca B. Dikow**

Willi Hennig Society, Hennig XXXI, Riverside, CA.

**Joshua I. Engel**

North American Ornithological Congress, Vancouver, Canada.

**Steven M. Goodman**

Invited Lecturer: CRVOI, La Réunion, France; l'Université de la Réunion, St. Clotilde, La Réunion, France; The University of Stellenbosch, Stellenbosch, South Africa; CIRAD, Antananarivo, Madagascar; Peace Corps, Mantasoa, Madagascar; CNRS, l'Institut Ecologie et Environnement, Paris, France; African Small Mammals group, The University of Swaziland; Southern African Society for Systematic Biology, Grahamstown, South Africa.

**Shannon J. Hackett**

Career Day lecture, Whitney M. Young Magnet School, Prairie Middle School, Barrington, and Barrington High School, IL; public lecture on Birds, Denver Museum of Nature and Science, Denver, CO.

**Lawrence R. Heaney**

Presenter, American Society of Mammalogists, University of Nevada, Reno, NV.

**Janeen Jones**

North American KE Emu Users Group meeting, New Haven, CT.

**Corrie S. Moreau**

Presenter, Annual Meeting of the Genomic Standards Consortium, BGI, Shenzhen, China; Invited Lecturer, Pennsylvania State University, University Park, PA; Invited Lecturer, University of California, Riverside, CA; Invited Lecture, Richmond, IN; Invited Lecturer, University of Central Florida, Orlando, FL; Invited Lecturer, University of California, Berkeley, CA; Invited Lecturer, New York, NY; Invited Lecturer, University of Kansas, Lawrence, KS; Invited Lecturer, University of Wisconsin, Madison, WI; Invited Lecturer, University of Michigan, Ann Arbor, MI.

**Alfred F. Newton**

60<sup>th</sup> Annual Meeting of the Entomological Society of America, Knoxville, TN; Annual Meeting of the Entomological Collections Network, Knoxville, TN; Annual Meeting of the Coleopterists Society, Knoxville, TN.

**Bruce D. Patterson**

Workshop, African Lion Working Group, Okaukeujo, Namibia; Seminar, Department of Biological Sciences, University at Buffalo; Keynote Lecturer, Society for Cenozoic Research, Rockford IL; 93<sup>rd</sup> Annual Meeting, American Society of Mammalogists, Reno, NV; Presenter, 97<sup>th</sup> Annual Meeting of Ecological Society of America, Portland, OR; III Congreso de la Sociedad Peruana de Mastozoología, Piura, Peru; North American Society for Bat Research, San Juan, PR; Symposium lecture, II Congreso Latinoamericano de Mastozoología, Buenos Aires, Argentina.

**Martin D. Prydzia**

Native Mussels of Wisconsin, an Amazing Resource Workshop, University of Wisconsin-Milwaukee Field Station, Saukville, WI.

**Alan Resetar**

2012 Indiana Dunes National Lakeshore Research Conference, Gary, IN; Annual Meeting, Indiana DNR Nongame Program Amphibian and Reptile Technical Advisory Committee, Indianapolis, IN.

**W. Leo Smith**

American Society of Ichthyologists and Herpetologists Annual Meeting, Vancouver, BC, Canada.

**Timothy Sosa**

American Society of Ichthyologists and Herpetologists Annual Meeting, Vancouver, BC, Canada.

**William T. Stanley**

Presenter, Trustee dinner, The Field Museum, Chicago, IL.

**Margaret K. Thayer**

Entomological Society of America, Knoxville TN; Entomological Collections Network, Knoxville TN; FMNH REU symposium, Chicago, IL; Invited Lecturer, Evolutionary Morphology series, University of Chicago, Chicago, IL.

**Janet R. Voight**

Invited keynote speaker Malacological Society of London, University of Portsmouth, U.K.; Invited Keynote Speaker University of Wisconsin, Madison, WI; Darwin Days, Madison WI; Invited presenter, "Magnitude of Molluscan Diversity Symposium," American Malacological Society-Conchologists of America Meeting, Cherry Hill, NJ; invited keynote speaker, Malcolm X College Science, Technology, Engineering, and Math Symposium, Chicago IL; Presenter, 13<sup>th</sup> International Deep-Sea Biology Symposium, Wellington, New Zealand.

**Harold K. Voris**

Keynote speaker at New Frontiers from Marine Snakes to Marine Ecosystems, Society for Integrative and Comparative Biology (SICB) Annual Meeting, Charleston, SC; Workshop on Freshwater Invertebrates of Southeast Asia: Biodiversity and Origin, MahaSarakham, Thailand.

**Stephanie Ware**

Organizer, Undergraduate Research Symposium, Field Museum, Chicago, IL.

**Jason D. Weckstein**

Presenter, Association of Tropical Biology Meeting, Bonito, Brazil.

**Mark W. Westneat**

Society of Integrative and Comparative Biology, Charleston, SC.; PhyloTastic- Hackathons, Interoperability and Phylogenetics, NESCent, Duke University, Durham, NC; Encyclopedia of Life, Beijing China; Graduate University of the Chinese Academy of Sciences, Beijing, China; Monsanto Meeting, St. Louis, MO; Fish Megatree Meeting, Chicago, IL.

**BIODIVERSITY SYNTHESIS CENTER****Audrey Aronowsky**

Presenter, Experiential Learning in Virtual Worlds, Prague, Czech Republic; Presenter, Games, Learning, and Society conference, Madison, WI; Presenter, TaleBlazer workshop, Cambridge, MA; Organizer, Frullania Education meeting, Chicago, IL.

**Torsten Dikow**

Organizer and Presenter, Asiloidea synthesis meeting, Chicago, IL; Presenter, Willi Hennig Society, Riverside, CA.

**Beth Sanzenbacher**

Organizer and Presenter, Parmeliaceae Lichens 2, Bangkok, Thailand; Presenter, Experiential Learning in Virtual Worlds, Prague, Czech Republic; Presenter, National Synthesis Centers annual meeting, Knoxville, TN; Presenter, Games, Learning, and Society conference, Madison, WI; Organizer: Frullania Education meeting, Chicago, IL.

**LIBRARY****Diana Duncan**

American Library Association Annual Conference, Anaheim, CA; Association of College & Research Libraries, Rare Books & Manuscript Section Preconference, San Diego, CA; Introducing RDA seminar, Burr Ridge, IL.

**Christine Giannoni**

Biodiversity Heritage Library Institutional Council Annual Meeting, Cambridge, MA.; Biodiversity Heritage Library Africa Organizational Meeting, Cape Town, South Africa.



## **PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION**

### **Kevin Feldheim**

Invited Lecturer, Population genetics of lemon sharks, Purdue University, West Lafayette, IN; The life of a lab manager, Stony Brook University, Stony Brook, NY; Science and the public at the Field Museum, Chicago Museum Exhibitors Group, Chicago, IL; Population genetics of lemon sharks, Nova University Conferences, Ft. Lauderdale, FL.

### **Erica Zahnle**

XGEN Congress and Expo, San Diego, CA.

**MUSEUM AND PUBLIC SERVICE, 2012**  
(Editorships, Committees, etc.)

**DEPARTMENT OF ANTHROPOLOGY**

**J. P. Brown**

Field Museum: Member, Common Ground; Member, SEM Users Group; Member, Grainger Digital Initiative Committee; Lead User, Portable FTIR and Bruker pXRF; Lead Programmer, Image Processing and Barcoding Software.

**Elana Carpinone**

External: Member, Registrars Committee of American Alliance of Museums.

**Gary Feinman**

Field Museum: Member, Scientific Advisory Council; Associate Editor, *Fieldiana Anthropology*; Member, Anthropology Acquisitions Committee; Member, Anthropology Promotions/Search Committee; Member, Anthropology Space Committee; Member, Anthropology Fund Raising Committee.

External: Member, Chancellor's Fellowship Committee, University of Illinois-Chicago; Editor, *Journal of Archaeological Research*; Series Editor, *Fundamental Issues in Archaeology*; Advisory Editor, *Foundations of Archaeology*; Advisory Editor, *Principles of Archaeology*; Advisory Editor, *Cross-Cultural Research*; Member, Publications Committee, Society for American Archaeology; Editorial Board, *Journal of Archaeology*; Editorial Board, *The Open Anthropology Journal*; Editorial Board, *Human Ecology*; External Director, Committee to oversee the Archaeology Research Center at Shandong University, Jinan, China; Member, Planning Committee, Mesas Redondas de Monte Albán, Mexico; Outside hiring/promotion reviews: University of California-San Diego, University of Florida; Ms./Book referee: *Current Anthropology*, *Human Ecology* (2), *Journal of Anthropological Archaeology* (2), *Journal of Archaeological Method and Theory*, *Journal of Field Archaeology*, *Journal of Island and Coastal Archaeology*, *Latin American Antiquity*, *Science*; Springer; Grant/Fellowship referee: Austrian Science Fund, Fulbright, National Geographic Society (3), National Science Foundation (3).

**Mark Golitko**

Field Museum: Interim Manager, Elemental Analysis Facility; Member, UIC Graduate Mentoring Award Selection Committee.

**Jonathan Haas**

Field Museum: Chair, Anthropology Acquisitions Committee; Chair, Anthropology Space Committee; Chair, North American Curatorial Team; Co-Associate Editor for Anthropology, *Fieldiana*; Member, Museum Repatriation Committee.

External: Member, Graduate Admissions Committee, University of Illinois at Chicago; Member, Editorial Board, *Anthropology and Culture*; Peer Reviewer, National Science Foundation; Peer Reviewer, National Geographic Society; Peer Reviewer, *Latin American Antiquity*; Peer Reviewer, *Journal of Anthropological Research*; Peer Reviewer, *American Anthropologist*.

**Jamie Kelly**

Field Museum: Coordinator, Anthropology Department Facilities; Member, EMu User Group; Member, Anthropology Information Management Committee; Member, Anthropology Space Committee; Member, Anthropology China Hall Committee.

External: Member, Illinois Archaeological Survey; Webmaster, Midwest Archaeological Conference, Inc.; Webmaster, Center for History, Wheaton, IL; Webmaster, Powell Archaeological Research Center.

**Chapurukha M. Kusimba**

Field Museum: Chair, Anthropology Internship Committee.

External: Editorial Board, *African Archaeological Review*; Editorial Board, *Journal of Archaeological Research*; Editorial Board, *South African Archaeological Review*; Editorial Board, *Azania: Archaeological Research in Africa*; Editorial Board, Coetsen Institute of Archaeology Publication Series.

**Andrew Leith**

External: Member, American Indian Center of Chicago Powwow Committee.

**Robert D. Martin**

Field Museum: Substitute Chair, Department of Anthropology; Department Coordinator, Members' Nights; Member, Library Committee; Member, Repatriation Committee; Co-Organizer, Leakey Lecture Series.

External: Member, External Scientific Advisory Committee, Duke University Lemur Center.

**Linda Nicholas**

External: Editorial Assistant, *Journal of Archaeological Research*; Editorial Assistant, *Fundamental Issues in Archaeology* (Springer series).

**Ruth Norton**

Field Museum: Member, Pest Committee; Member, Greener Field Committee; Member, Anthropology Internship Committee.

External: Member, Conservation and Collection Task Force, Chicago Cultural Alliance; Field Editor, *Art and Archaeology Technical Abstracts Online* (Getty); Peer Reviewer, *Museum Anthropology*.

**William A. Parkinson**

Field Museum: Chair, Old World Curatorial Team; Chair, Information Technology Committee, Department of Anthropology; Member, Acquisitions Committee; Member, Information Technology, Collections and Research Committee; Member, President's Ad Hoc Mission Committee.

External: Program Coordinator, America for Bulgaria Foundation Archaeology Program; Chair, Archaeological Advisory Committee, America for Bulgaria Foundation Archaeology Program; Member, Archaeological Institute of America Program Committee.

**Christopher J. Philipp**

Field Museum: Coordinator, Anthropology Department Tours; Member, Anthropology Internship Committee; Member, Anthropology Department Staff Search Committees.

**Matthew Piscitelli**

External: Board Member, Society for American Archaeology Student Affairs Committee.

**John Edward Terrell**

Field Museum: Anthropology Coordinator, A. Watson Armour Lecture Series; Member, C&R Scholarship Committee.

**Alaka Wali**

Field Museum: Member, Repatriation Subcommittee of the Committee on Science; Member, ECCo Committee of the Board of Trustees; Member, ECCo Leadership Team.

External: Program Co-Chair, American Anthropological Association 2013 Annual Meeting; Editorial Board, *American Anthropologist*; Co-Editor, Public Anthropology Reviews Section of the *American Anthropologist*; Editorial Board, *Collaborative Anthropologies*; Reviewer, *Human Organization*, Journal of the Society for Applied Anthropology; Member, Board of Trustees, Chicago Cultural Alliance; Member, Cultural Vitality Index Task Force, Arts Alliance Illinois.

**Patrick Ryan Williams**

Field Museum: Chair, Department of Anthropology; Director, Elemental Analysis Facility; Alternate Member, Information Technology, Collections and Research Committee.

External: Director, Academic Advisory Board Museo Contisuyo; Representative, AAUP Illinois State Council; Member, NASA Space Archaeology Program Review Panel.

## DEPARTMENT OF BOTANY

### **Mark Alvey**

Field Museum: Botany representative, Science/Public Education Committee.

### **William Burger**

Other: Secretary, Nature Camera Club of Chicago.

### **Michael O. Dillon**

Field Museum: Head of Phanerogams.

External: Editorial Board, *Arnaldoa*, Peru; Editorial Board, *Flora of Ecuador*, The Netherlands; Editorial Committee, *Flora Neotropica*; Editor, *Chloris Chilensis*, Chile; Fellow, Center for Advanced Studies in Ecology and Biodiversity; Pontificia Universidad Católica de Chile; Visiting Professor, Biological Sciences Faculty, Universidad Ricardo Palma, Lima, Peru; Honorary Professor, Universidad Nacional de Cajamarca, Cajamarca, Peru; Visiting Professor, Universidad Antenor Orrego, Trujillo, Peru; Honorary Professor, Universidad Nacional de San Agustín, Arequipa, Peru; Socio Honorario, Colegio de Biólogos del Perú; Manuscript Reviewer, *Journal of Vegetation Science*, *Journal of Biogeography*, *Journal of Arid Plant Environments*, *Novon*, *Plant Ecology and Diversity*, *Phytotaxa*, *Smithsonian Institution Publications*, *Taxon*.

### **Sabine Huhndorf**

Field Museum: Scholarship Committee; SAC alternate.

External: Editor, *Mycologia*, Mycological Society of America; Editor, MYCONET.

### **Maria Lucia Kawasaki**

External: Manuscript reviewer, *Phytotaxa*, *Novon*; Member, Organization for Flora Neotropica Commission.

### **Patrick Leacock**

External: Scientific Advisor, Illinois Mycological Association; Contact person for mushroom cases, Illinois Poison Center; Chair, Voucher Collection Committee, North American Mycological Association.

### **Robert Lücking**

Field Museum: Botany Representative, Common Ground User Group; Botany Representative, SEM Committee; Botany Representative, Visiting Scholarship Committee; Botany Representative, Science Advisory Council.

External: Editorial Board: *Glalia*, *Mycosphere*, *The Lichenologist*; Reviewer: *Acta Botanica Brasilica*, *African Journal of Microbiology Research*, *American Journal of Botany*, *Biodiversity and Conservation*, *Biotropica*, *Bryologist*, *Canotia*, *Ecological Indicators*, *Ecological Research*, *Ernstia*, *Evolution*, *Feddes Repertorium*, *Fungal Biology*, *Fungal Diversity*, *Glalia*, *Herzogia*, *International Journal of Biodiversity and Conservation*, *Journal of the Torrey Botanical Society*, *Lichenologist*, *Lichenology*, *Micron*, *Molecular Phylogenetics and Evolution*, *Myckeys*, *Mycologia*, *Mycological Progress*, *Mycological Research*, *Mycosphere*, *Mycotaxon*, *Nova Hedwigia*, *Opuscula Philolichenum*, *Phytotaxa*, *Taxon*; Grant Reviewer: National Geographic, National Science Foundation.

### **H. Thorsten Lumbsch**

Field Museum: Chair, Department of Botany; Member, Management Committee, Pritzker Laboratory for Molecular Systematics; Participant, C&R Committee; Participant, Board of Trustees' Orientation for New Trustees.

External: President, International Association for Lichenology (IAL); Editor: *Myckeys*, *Nova Hedwigia*; Associate Editor/Editorial Board: *Australian Systematic Botany*, *Feldiana - Life and Earth Sciences*, *Fungal Biology*, *Fungal Diversity*, *Mycology*, *Phytotaxa*, *Systematic Biology*, *Taxon*, *Willdenowia*; Ad hoc reviewer: more than 25 international journals; Panelist/proposal reviewer: European Commission, National Science Foundation, Czech Research Council, Deutsche Forschungsgemeinschaft.

**Christine Niezgod**

Field Museum: Member: Pest Committee, Library Committee.

**Sittiporn Parnmen**

External: Manuscript reviewer, *The Lichenologist*.

**Richard H. Ree**

Field Museum: Member: Science Advisory Council, Pritzker Lab Management Group, Board IT Committee, C&R/IT Committee, SEM Committee.

External: Peer reviewer: *Methods in Ecology and Evolution*, *Evolution*, *Molecular Phylogenetics and Evolution*, *Taxon*, *Systematic Biology*, *Conservation Biology*; Editorial Board Member, *International Journal of Plant Science*; Advisory Board Chair, National Evolutionary Synthesis Center.

**Matt von Konrat**

Field Museum: Committee member: The Field Museum Research Seminar Series, Grainger Digital Initiative.

External: Member of the Committee for Bryophyta, International Association for Plant Taxonomy; Member of the IUCN SSC Bryophyte Specialist Group; Member of Executive Council for the International Association of Bryologists; Member of the International Advisory Panel for the New Zealand Journal of Botany; Peer-reviewer of manuscripts for six scientific journals; Editor, Bryophytes for the journal *Phytotaxa* and for the journal *PhytoKeys*.

**DEPARTMENT OF GEOLOGY**

**Kenneth D. Angielczyk**

Field Museum: Parker-Gentry Award Committee; Science and Public Education Committee; A. Watson Armour Seminar Committee; Steering Council, The Field Museum/IDP Foundation, Inc. African Training Fund.

External: Journal Editorial Board Member: *Bulletin of American Paleontology*, *Palaeontologia Americana*, *Palaeontology*; Journal Peer Reviewer: *Journal of Morphology*, *Journal of Vertebrate Paleontology*, *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*, *Paleobiology*, *Proceedings B*; Grant Peer Reviewer: National Geographic Society Committee on Exploration and Research, National Research Foundation of South Africa, NSF Phylogenetic Systematics Program, NSF Integrative Organismal Systems: Processes, Structures and Integrity Program NSF Earth Sciences Postdoctoral Fellowship, Deutsche Forschungsgemeinschaft, Natural Sciences and Engineering Research Council of Canada; Harrel L. Strimple Award Committee (Paleontological Society); Romer Prize Committee (Society of Vertebrate Paleontology); Best Student Paper Award Committee (Society of Vertebrate Paleontology); Judge (Best Student Presentation, Division of Ecology and Evolution and Division of Vertebrate Morphology, 2012 Annual Meeting of the Society for Integrative and Comparative Biology); Student Advisory Committee (Committee on Evolutionary Biology, University of Chicago).

**Marlene Hill Donnelly**

External: Membership Secretary, Guild of Natural Science Illustrators.

### **Ian Glasspool**

Field Museum: Staff Representative, C&R Professional Staff; Science Advisory Council; Collections and Research/Information Technology Committee; IT Database Subcommittee; Ad hoc Mission Committee; Grainger Digital Initiative Committee; Science-Public Education Committee.

External: Manuscript reviewer: *PLoS ONE*, *Review of Palaeobotany and Palynology*; Gondwana Research. Grant Reviewer: Leverhulme Trust, UK.

### **Lance Grande**

External: Awarded the *Robert H. Gibbs, Jr. Memorial Award* from The American Society of Ichthyologists and Herpetologists for “an outstanding body of published work in systematic Ichthyology.”

### **Philipp R. Heck**

Field Museum: Committee Member: Tawani Polar Expedition Fund, Scholarship Committee; Geology Representative, Scanning Electron Microscope Committee; Peer reviewer, meteorite and terrestrial physical geology sample request proposals.

External: Program committee member, Lunar and Planetary Science Conference 2012; Program committee member, Argonne National Laboratory Users Meeting 2012; User Executive Committee of the Argonne National Laboratory Electron Microscopy Center; Review panel member, NASA Cosmochemistry Program; Subcommittee member, Curation and Analysis Planning Team for Extraterrestrial Materials (CAPTEM) that oversees the care and distribution of all samples collected by NASA’s Stardust Mission; Member, Interstellar Dust Preliminary Examination Team for samples from NASA’s Stardust Mission; Peer reviewer, NASA’s Origins and Cosmochemistry Programs; Peer reviewer, *Meteoritics & Planetary Science*, *Geochimica et Cosmochimica Acta*; Member, the Chicago Center for Cosmochemistry; Member, the international consortia for the study of the meteorite falls Mifflin and Sutter’s Mill; Advisor, Geological Survey of India and expedition member, first Indian Antarctic Meteorite Prospecting Expedition; Review meeting of the Electron Microscopy Center at Argonne National Laboratory held by the US Department of Energy.

### **James Holstein**

Field Museum: Peer reviewer, meteorite and terrestrial physical geology sample requests.

### **Scott Lidgard**

Field Museum: Member, Collections & Research/Information Technology Committee; Member, Grainger Digital Initiative Committee; Member, Library Committee; Member, Promotion Committee, Department of Geology.

External: Executive Council Member, International Bryozoological Association; Grant proposal reviewer for National Science Foundation.

### **Peter J. Makovicky**

Field Museum: Chair, Department of Geology; Member, Presidential Search Committee; Member, Exigency Committee; Member, Tenure Committee for Kenneth Angielczyk.

External: Panelist, National Science Foundation Doctoral Dissertation Improvement Grants panel 2/2012. Manuscript Reviewer: *Proceedings of the National Academy of the US*, *Proceedings of the Royal Society B*, *Naturwissenschaften*, *Ameghiniana*, *Journal of Vertebrate Paleontology*, *Journal of Systematic Palaeontology*, *Acta Palaeontologica Polonica*; Editorial Advisory Board, *Vertebrate Paleobiology and Paleoanthropology*; Co-Editor, *The Dinosauria* (3<sup>rd</sup> Ed.), University of California Press.

### **Paul S. Mayer**

Field Museum: Website Development Committee.

### **Olivier Rieppel**

Field Museum: Member, Science Advisory Council; Co-Editor, *Fieldiana*.

External: Appointment to the Editorial Board, *Journal of Zoological Systematics and Evolutionary Research*.

**Akiko Shinya**

External: Member, Society of Vertebrate Paleontology Preparator's Committee; Member, the Society of Vertebrate Paleontology Information Management Committee; Web Editor, Society of Vertebrate Paleontology.

**William Simpson**

Field Museum: Manager, Geology Department X-Ray Facility; Worked with Library staff to develop and expand Geology stacks into Reprint Library room; Geology Rep for work in Mezzanine of NW Lightwell including installation of more air ducting and installation of sprinklers; Worked extensively with Exhibits to do temporary deinstall/reinstall of fossil vertebrates on display needed for research.

**Paul P. Szipiera**

External: Executive Board Member, Apple River Fort State Historic Site, Elizabeth, IL; President and Executive Board Member, Planetary Studies Foundation, Galena, IL; Volunteer Planetarium Consultant, William Rainey Harper College, Palatine, IL; Program Coordinator, JETS Observatory, Freeport, IL.

**Nathan D. Smith**

External: Member, USAP Steering Committee for Deep Field Camps; Manuscript Reviewer: *Acta Palaeontologica Polonica*, *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, *Frontiers in Ecology and the Environment*, *Journal of Ornithology*, *Journal of Zoology*, *Proceedings of the Royal Society of London, B.*; Proposal Reviewer: National Science Foundation, Office of Polar Programs; Session Moderator, 72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology.

**Constance Van Beek**

External: Society of Vertebrate Paleontology Preparators' Committee; Abstract Reviewer, Preparators Symposium, 72<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology, Raleigh, NC.

**DEPARTMENT OF ZOOLOGY**

**John M. Bates**

Field Museum: Acting Head, Division of Amphibians and Reptiles; Member, Pritzker Lab Management Committee; Member, TFM Africa Council; Member, African Training Program scientific committee; Member, Parker Gentry Award Nominating Committee.

External: Member, Cooper Ornithological Society Student Awards Committee; Zoology Department Liaison with Chicago office of U.S.F.W Service; Member, Editorial Board, *Bulletin of the Museu Goeldi*; Member, American Ornithologists' Union Collections Committee; Member, Steering Committee, VertNet program; Planning Committee Chair, 2013 Meetings of the American Ornithologists' Union Meetings (Chicago).

**Rüdiger Bieler**

Field Museum: Head, Division of Invertebrates; Chair, Library Committee; Chair, SEM Committee; Lead-PI on Invertebrates/Insects Infrastructure Project.

External: Associate Editor/Editorial Board: *Zoological Journal of the Linnean Society*, *Zootaxa*, *Malacologia – International Journal of Malacology*, *Archiv für Molluskenkunde*, *The Nautilus*, *The Festivus*, *Iberus*, *Acta Zootaxonomica Sinica*, *Papéis Avulsos de Zoologia*, *Arquivos de Zoologia*; Editor (online databases): World Register of Marine Species, WoRMS (Gastropoda); ZooBank; Member, Committee on Evolutionary Biology, University of Chicago; Member, Faculty Appointments Committee, CEB, University of Chicago; various faculty and publication reviews.

**James H. Boone**

Field Museum: Member, Emu Users Group, Web Users Group, Pest Committee, and Evacuation Team.  
External: Reviewer, book proposals, University of Chicago Press.

**Matthew P. Davis**

External: Editor: *Zootaxa* (Fishes); Manuscript Reviewer: *Journal of Vertebrate Paleontology*, *Paleontology*, *Journal of Fish Biology*, *Biological Journal of the Linnean Society*, *Biology Letters*, *Zootaxa*.

**Jochen Gerber**

Field Museum: Member, Library Committee.

External: President, Chicago Shell Club; Member, Terrestrial Mollusk Team, New Pest Advisory Group, APHIS (USDA); Editor for terrestrial gastropods, *Zootaxa*; Reviewer, *Check List*, *Journal of Zoological Systematics and Evolutionary Research*.

**Steven M. Goodman**

External: Editorial Board, *Faune de Madagascar*, *Mammalia*, *African Bat Conservation Newsletter*, *Malagasy Nature*, *Guides sur la diversité biologique de Madagascar*, *Univers Maoré*, *Taloha* (l'Institut de Civilisations/Musée d'Art et d'Archéologie de l'Université d'Antananarivo; manuscript reviews: *Acta Chiropterologica*, *American Journal of Primatology*, *Biological Journal of the Linnean Society*, *Conservation Biology*, *Environmental Conservation*, *International Journal of Primatology*, *Journal of Biogeography*, *Journal of Mammalogy*, *Journal of Zoology*, *Malagasy Nature*, *Mammalia*, *Science*, *Proceedings of the National Academy of Science, USA*, *Zootaxa*.

**Shannon J. Hackett**

Field Museum: Chair, Science Advisory Council; Member, Pritzker Lab Management Committee; Co-chair, IT/C&R Committee; Member, Field Museum's Ad Hoc Mission Committee; Member, Grainger Digital Initiatives Team; Member, Science Media Group; Member, Web User Group; Participant, President's Leadership Council event; Manager, High Performance Computing Cluster; Collections & Research point person, Cryogenics Facility; Member, Radiation Safety Officer.

External: Editorial Board, *Molecular Phylogenetics and Evolution*; Co-Chair, University of Chicago Committee on Evolutionary Biology; Planning Committee Member, 2013 Meeting of the American Ornithologists' Union (Chicago).

**Lawrence R. Heaney**

Field Museum: Head, Division of Mammals; Co-Chair, Pest Committee; At-Large Representative, Science Advisory Council; Member, Parker-Gentry Award Committee; Member, tenure review committees (2); primary host for Parker-Gentry Awardee for 2012.

External: President, International Biogeography Society; Emeritus Director, Board of Trustees, Wildlife Conservation Society of the Philippines; Consultant on Philippine conservation issues for Conservation International and the Philippine Department of Environment and Natural Resources; Associate Editor, *Journal of Biogeography*; Editorial Board, *Silliman Journal* (Philippines); Editorial Advisor, *Frontiers of Biogeography*.

**Janeen Jones**

Field Museum: Chair, C&R EMu and Web Users' Group; Zoology Representative, Web Users' Group; EMu Administrator, various report writing and user training for Zoology, IT and Exhibits; Zoology Representative, Grainger Digital Initiative Team and Digital asset management system team; Zoology Representative, EMu/Drupal development committee.

**Kathleen Kelly**

Field Museum: Member, EMu User Group; Member, Web Users Group; Member, Pests Subcommittee; Member, Evacuation Committee.



**Ben Marks**

Field Museum: EMu users Group.

External: Reviewer: *Ibis*, *Molecular Phylogenetic and Evolution*, *Journal of Avian Biology*.

**Corrie S. Moreau**

Field Museum: Member, Pritzker Laboratory Management Committee; Secretary, American Association of University Professors—Field Museum chapter; Participant, President's ad hoc Mission Committee.

External: Faculty Member, Committee on Evolutionary Biology, University of Chicago; Academic journal editor for *PLoS ONE*; Subject journal editor of *Myrmecological News*; Manuscript reviewer, *Journal of Biogeography*, *Journal of Insect Science*, *Molecular Ecology*, *PLoS ONE*, *Proceedings of the Royal Society B*, *Zootaxa*; Oversight Committee Member, Global Ant Project; Member, Genomic Standards Consortium (GSC); Encyclopedia of Life curator (Ants—Formicidae); Expert on Antweb's AntAsk blog; Curator of Florida Keys Ants on Antweb.org; Curator of Queensland, Australia Ants on Antweb.org.

**Alfred F. Newton**

Field Museum: Curatorial consultant, Division of Insects.

External: Editorial Board: *Belgian Journal of Entomology*; Manuscript Reviewer: *Cretaceous Research*; *European Journal of Entomology*; *Insect Systematics & Evolution*; *Journal of Natural History*; *ZooKeys*; *Zootaxa*.

**Bruce D. Patterson**

Field Museum: Member, Animal Care and Use Committee; Member, Curatorial Steering Committee, Council on Africa; member, Curatorial Steering Committee, Field Museum/IDP Foundation, Inc. African Training Fund; Member, Parker-Gentry Award Selection Committee; Member, Scholarship Committee; Liaison, University of Illinois at Chicago, Biological Sciences-FMNH Liaison; Lecture, Ayer Society; Lecture, FM Board Assistants Luncheon.

External: Associate Editor, *Mastozoología Neotropical*; Co-coordinator, Red List Authority, Neotropical Small Mammals, International Union for the Conservation of Nature; Member, African Lion Working Group, International Union for the Conservation of Nature; Member, Systematic Collections Committee, International Federation of Mammalogists; Member, Board of Directors, American Society of Mammalogists; Chair, Honorary Membership Committee, American Society of Mammalogists; Member, Organizing Committee, Society for Coevolution; 16 manuscripts reviewed for 10 journals; three grant proposals reviewed for two funding agencies.

**Alan Resetar**

External: Member, Indiana DNR Nongame Program Amphibian and Reptile Technical Advisory Committee; Manuscript Reviewer, *Transactions of the Illinois Academy of Science*.

**Petra Sierwald**

Field Museum: Chair, C&R Scholarship Committee; Lead-PI on REU site grant.

External: Associate Editor/Editorial Board, *ZooKeys*, *Journal of Arachnology*; Member, Committee on Evolutionary Biology, University of Chicago; Various faculty and publication reviews; Member: iDigBio working group DROID2 (digitization of pinned collections), iDigBio working group MISC (minimum information standards, authority files and semantics).

**W. Leo Smith**

Field Museum: Head, Division of Fishes; Member, Pritzker Laboratory management committee; Member, Common Ground.

External: Associate Editor of *Genetics, Development, and Morphology*, *Copeia*; Illustration Editor, *Copeia*; Board of Governor, American Society of Ichthyologists and Herpetologists; Member, Committee on Evolutionary Biology, University of Chicago; Member, Committee on Evolutionary Biology Admissions Committee, University of Chicago; Manuscript Reviewer: *Acta Zoologica*, *Copeia Federation of European*

*Biochemical Societies Journal, Ichthyological Research, Molecular Phylogenetics and Evolution, Proceedings of the Royal Society B, Systematic Biology, Zootaxa.*

**William T. Stanley**

External: Chair, Systematic Collections Committee, American Society of Mammalogists.

**Kevin Swagel**

Field Museum: Member, Personnel Committee.

**Margaret K. Thayer**

Field Museum: Head, Division of Insects; Co-PI of NSF ARI-R<sup>2</sup> Infrastructure grant; Associate Editor (Zoology), *Fieldiana*; At-Large and Alternate Zoology Member, Scientific Advisory Council (SAC); Zoology representative, A. Watson Armour Seminar Committee; Member, Zoology Promotions Committee; Coordinator, Insects EMu collection database; President, FMNH Chapter of American Association of University Professors (AAUP); Museum pest IDs; Member, FMNH EMu Users Group, Web Users Group, One Vendor Project Committee; host for multiple collection visitors; volunteer supervisor.

External: Editorial Board, Thomas Say Publications (Entomological Society of America); Editorial Board, *Annales Zoologici*; Comité Editorial, *Dugesiana*; Contributing Editor (Staphylinidae), [www.bugguide.net](http://www.bugguide.net); Manuscript reviewer: *Zoologica Scripta, Journal of Natural History, Cretaceous Research, Cladistics, Coleopterists Bulletin, Canadian Entomologist, Japanese Journal of Systematic Entomology*; Proposal reviewer, National Science Foundation; Member, DROID2 Working Group of iDigBio.

**Janet R. Voight**

Field Museum: Managing Scientific Editor, *Fieldiana*; Chair and Zoology Representative, Science, Public Education Committee (SPEC); Member, Review Committee for Temporary Exhibitions Proposals; Member, Institutional Animal Care and Use Committee; Member, Promotions and Review Committee, Department of Zoology.

External: Associate Editor, *Journal of Molluscan Studies*; Editorial Board, *American Malacological Bulletin*; *Malacologia*; Panel Member, National Science Foundation; Proposal Reviewer, Ifremer (French oceanography institution); Chair, American Malacological Society Student Presentation Judging Committee; Chair, American Malacological Society Student Research Award Committee; Manuscript Reviewer: *Molluscan Research, Biological Bulletin, Marine Ecology Progress Series, Biology Letters, Oceanography, Malacologia, iMedia Ethics*; Consultant, *National Geographic Magazine*.

**Stephanie Ware**

Field Museum: Administrative Assistant, Scholarship Committee; Administrative Assistant, Research Experience for Undergraduates site grant program; Team Member, Illinois Peregrine Program.

**Jason D. Weckstein**

External: Manuscript Reviewer: *Entomological News, Southeastern Naturalist, Zootaxa*; Grant Proposal Reviewer: National Geographic Society, National Science Foundation; Science Fair Committee Member, Lincolnwood Elementary School; Perkin's Woods Forest Preserve Management Steering Committee.

**Mark W. Westneat**

Field Museum: Chair, Institutional Animal Care and Use Committee; Field Museum-University of Chicago Teaching Liaison.

External: Executive Board, Phyloinformatics Research Foundation; Steering Committee, Tree of Life Web Project; Group Leader, Encyclopedia of Life; Past Chair, Division of Vertebrate Morphology, Society of Integrative and Comparative Biology; NSF Committee on Future of Systematics.

## **BIODIVERSITY SYNTHESIS CENTER**

### **Audrey Aronowsky**

Field Museum: Member: Grainger Digital Initiative Committee, Science Media Committee, IT/C&R Committee.

### **Beth Sanzenbacher**

Field Museum: Member: Grainger Digital Initiative Committee, Science Media Committee, IT/C&R Committee.

## **LIBRARY**

### **Melissa Anderson**

Field Museum: Clean Up Committee; Evacuation Committee; Members Night Committee, Library Committee (liaison); Edible Treasures Garden Team Leader.

### **Karen Bean**

Field Museum: Evacuation Committee; Edible Treasures Garden Team Member.

### **Nina Cummings**

Field Museum: Clean Up Committee.

### **Diana Duncan**

External: Member, American Library Association (ALA).

### **Armand Esai**

Field Museum: IT/C&R Committee; Science Media Group; Clean Up Committee.

External: Member, Society of American Archivists; Member, ARMA.

### **Christine Giannoni**

Field Museum: Library Committee; Representative, Fieldiana Board.

External: Member, American Library Association (ALA); Member, Institutional Council of the Biodiversity Heritage Library; Coordinator, Chicago Area Museum Libraries (CAML).

### **Michael Trombley**

Field Museum: Personnel Committee; Professional Staff Representative, Collections & Research.

## **OFFICE OF COLLECTIONS AND RESEARCH**

### **Kasey Mennie**

Field Museum: Member, A Greener Field; Team Leader, Edible Treasures Garden.

External: Volunteer, Dill Pickle Food Co-Op.

### **Carter O'Brien**

Field Museum: Chair, A Greener Field; Team Leader, Edible Treasures Garden; Collections and Research Coordinator, Women's Board Field Dreams program; Member, Shared Bikes Committee; Member, Food Operator Committee.

External: Chair, Finance Committee, Dill Pickle Food Co-Op; Member, Green Museums Steering Committee, Chicago Park District, City of Chicago; Volunteer, Treekeeper, Openlands/City of Chicago; Member, Logan Square Bike Walk.

## PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

### **Kevin Feldheim**

Field Museum: Manager, Pritzker Laboratory for Molecular Systematics and Evolution

External: Member: American Elasmobranch Society, American Society of Ichthyologists and Herpetologists; External Reviewer: *Copeia*, *Journal of Fish Biology*, *Molecular Ecology*, *PLoS ONE*, *Journal of Heredity*, *Journal of Experimental Marine Biology & Ecology*, *Experimental Marine Biology*, *Aquatic Conservation: Marine and Freshwater Ecosystems*.

## FIELDWORK AND RESEARCH TRAVEL, 2012

### DEPARTMENT OF ANTHROPOLOGY

#### **Douglas Bolender**

Fieldwork: Skagafjörður Archaeological Settlement Survey, Skagafjörður, Iceland; Caribbean Plantation Project, Dominica.

#### **Laure Dussubieux**

Research: Corning, NY.

#### **Gary Feinman**

Fieldwork: Shandong, China.

Research: Oaxaca, Mexico.

#### **Mark Golitko**

Research: Papua New Guinea.

#### **Jonathan Haas**

Fieldwork: Fortaleza Valley, Peru.

#### **Chapurukha M. Kusimba**

Fieldwork: Kenya; China.

#### **Andrew Leith**

Fieldwork: Camp Douglas, Chicago, IL.

#### **Shannon Martino**

Fieldwork: Chadir Hoyuk, Turkey.

Research: Chadir Hoyuk, Turkey.

#### **Linda Nicholas**

Fieldwork: Shandong, China.

Research: Oaxaca, Mexico.

#### **Lisa Niziolek**

Research: Chester Beatty Library, Dublin, Ireland.

#### **William A. Parkinson**

Fieldwork: The Diros Project, Mani Peninsula, Greece; The Körös Regional Archaeological Project, Southeastern Hungary.

Research: Obsidian Collection Project, Milos, Greece; Clay Sample Collection, Körös Region, Hungary; Clay Sample Collection, Western Mani, Greece.

#### **Christopher J. Philipp**

Fieldwork: Vanimo, Wewak, Aitape, and Port Moresby, Papua New Guinea.

Research: Australian Museum, Sydney, Australia.

#### **James L. Phillips**

Fieldwork: Tel Tayinat, Antachia, Turkey; Zincirli, Gazientep, Turkey; Kerma, Sudan.

Research: Tel Tayinat, Antachia, Turkey; Zincirli, Gazientep, Turkey; Kerma, Sudan.

**Matthew Piscitelli**

Fieldwork: Huaricanga, Peru.

**Alaka Wali**

Fieldwork: Cordillera Azul National Park, Peru; Ampiyacu-Apayacu River Basin, Peru; Sierra del Divisor Reserved Zone, Peru; Greater Chicago Metropolitan Region, IL.

Research: Pawnee, Oklahoma; Crow Reservation, Montana; Chicago, IL.

**Patrick Ryan Williams**

Fieldwork: Moquegua, Peru; Arica, Chile; Isla de Pascua, Chile.

Research: UNCG, Greensboro, NC.

**DEPARTMENT OF BOTANY**

**Laura Briscoe**

Fieldwork: Chile, Utah.

**Michael O. Dillon**

Fieldwork: Chile, Peru

**Patrick Leacock**

Fieldwork: McHenry County and Chicago region, Illinois and Indiana; Bioblitz, North Park Village Nature Center, Chicago; North American Mycological Association annual foray, Scotts Valley, CA.

**Juan Larrain**

Fieldwork: Chile, Fiji, New Caledonia.

**Steven Leavitt**

Fieldwork: Humboldt-Toiyabe National Forest, Nevada, USA; Uinta National Forest, Utah, USA; White River National Forest, Colorado, USA.

Research: Brigham Young University, Provo, Utah.

**Robert Lücking**

Fieldwork: Las Cruces Biological Station, Costa Rica; Las Alturas Biological Station, Costa Rica; El Delirio, Colombia; Parque Ecológico Matarredonda, Colombia; Bosques Peña de Santa Barbara Natural Reserve, Colombia; Botucatu, Brazil; Campo Grande, Brazil; Itabaiana, Brazil.

Research: Muséum National d'Histoire Naturelle (PC), Paris, France; US National Herbarium, Washington; Universidad Distrital Francisco José de Caldas, Colombia; Universidad Nacional de Colombia; Universidade Federal de Sergipe, Brazil; Universidade Federal de Mato Grosso do Sul, Brazil.

**H. Thorsten Lumbsch**

Fieldwork: Kenya, New Caledonia, Spain, Thailand.

Research: Botanische Staatssammlung, Munich, Germany; Cornell University, Ithaca, NY; Ramkhamhaeng University, Bangkok, Thailand; Universidad de Complutense, Madrid, Spain; University of Helsinki, Finland.

**Sittiporn Parnmen**

Fieldwork: Thailand.

**Richard H. Ree**

Research: Cambridge, MA, Harvard University Herbaria; Kashmir and Himachal Pradesh, India.

**Matt von Konrat**

Fieldwork: Chile, Fiji, New Caledonia, New York, NY.

**DEPARTMENT OF GEOLOGY**

**Kenneth D. Angielczyk**

Research: Texas Natural History Collections; Texas Memorial Museum; Bernard Price Institute for Palaeontological Research; Council for Geosciences; Iziko South African Museum.

Fieldwork: Permian of Parnaíba Basin, Brazil; Permian and Triassic of Ruhuhu Basin, Tanzania.

**Marlene Hill Donnelly**

Fieldwork: Field sketching in Northern Cascade Mountains; HI.

**Ian Glasspool**

Fieldwork: Collections development: East Lansing, MI; Athens, OH.

**Lance Grande**

Fieldwork: Green River Formation, Kemmerer, WY.

**Philipp R. Heck**

Fieldwork: Antarctica.

Research: Drexel University, Department of Materials Science and Engineering, Philadelphia, PA; ETH Zurich, Switzerland; Cameca Instruments, Madison, WI.

**James L. Holstein**

Research: Lund University, Lund, Sweden.

Fieldwork: Prospecting for Cretaceous dinosaurs in the Cedar Mountain Formation of the San Rafael Swell, SW Emery County, central Utah; Green River Formation, Kemmerer, WY.

**Scott Lidgard**

Fieldwork: Hopkins Marine Station of Stanford University, Monterey, CA; Elkhorn Slough National Estuarine Research Reserve, CA.

Research: California State University, San Jose, CA; University of Wisconsin, Madison, WI.

**Peter J. Makovicky**

Research: American Museum of Natural History, New York; Museo Ernesto Bachman, El Chocon, Neuquen, Argentina, Museo Patagonico de Ciencias Naturales, Gral. Roca, Rio Negro, Argentina.

Fieldwork: Candeleros and Huincul Formations, Cañadon de Campanas, Neuquen Province, Argentina.

**Paul S. Mayer**

Research: Milwaukee Public Museum, WI; Peabody Museum, Yale University, New Haven, CT, Museum of Comparative Zoology - Harvard University, Cambridge, MA.

Fieldwork: Collections development, University of Ohio, Athens, OH; Dayton, OH; Mazon Creek Area, IL.

**Olivier Rieppel**

Research: Tübingen, Göttingen.

**Akiko Shinya**

Fieldwork: Prospecting for Cretaceous dinosaurs in the Cedar Mountain Formation of the San Rafael Swell, SW Emery County, central Utah; Green River Formation, Kemmerer, WY; Hateg, Romania; Villa El Chocon, Neuquén, Argentina.

**William F. Simpson**

Fieldwork: Prospecting for Oligocene mammals in the Brule Formation and Blue Ash Channel at Harris Ranch Badlands, Fall River County, SD; Prospecting for Cretaceous dinosaurs in the Cedar Mountain Formation of the San Rafael Swell, SW Emery County, UT.

**Paul P. Sipiera**

Fieldwork: Northern IL, eastern IA, southern WI.

**Nathan D. Smith**

Research: Cornell Museum of Vertebrates; Museo de Ciencias Naturales San Juan; Museo Municipal Ernesto Bachmann; Museo Paleontológico Egidio Feruglio; Museo Patagonica de Ciencias Naturales; Museo Provincial Carlos Ameghino; North Carolina Museum of Natural Sciences; Smithsonian National Museum of Natural History.

Fieldwork: Chadron and Brule Formations, White River Badlands; Candelaros and Huincul Formations, Neuquen Province, Argentina.

**Constance Van Beek**

Fieldwork: Prospecting for Cretaceous dinosaurs in the Cedar Mountain Formation of the San Rafael Swell, SW Emery County, central Utah; Green River Formation, Kemmerer, WY.

**DEPARTMENT OF ZOOLOGY**

**John M. Bates**

Fieldwork: Itombwe Region, Kahuzi-Biega National Park; Democratic Republic of Congo; Bwindi National Park, Uganda; Blanchardville, WI.

Research: University of Bukavu, Bukavu, Democratic Republic of Congo; Department of Zoology, Centre de Recherche en Sciences Naturelles (CRSN-Lwiro), Democratic Republic of Congo; Museum, Department of Zoology, Makerere University, Uganda; Western Foundation of Vertebrate Zoology, Camarillo, CA.

**Rüdiger Bieler**

Fieldwork: Florida Keys, FL; Abaco, Bahamas.

Research: Tropical Research Laboratory, Summerland Key, FL; North Myrtle Beach, SC.

**James H. Boone**

Fieldwork: Northerly Island, Chicago, IL.

**Matthew P. Davis**

Research: University of Kansas, Lawrence, KS; American Museum of Natural History, New York, NY; Scripps Institution of Oceanography, San Diego, CA; Natural History Museum of Los Angeles County, Los Angeles, CA.

**Joshua I. Engel**

Fieldwork: Democratic Republic of the Congo, Uganda.

Research: New York City, NY.

**Jochen Gerber**

Fieldwork: Midwestern U.S.

**Steven M. Goodman**

Fieldwork: Madagascar: Ankarana, Beanka, Lakato, Fandriana, Kirindy (CFPF); Comoros: Grande Comore and Anjouan.



Research: Paris, France, Muséum national d'Histoire naturelle; London, England, The Natural History Museum; Tring, England, The Natural History Museum.

**Shannon J. Hackett**

Research: Denver Museum of Science and Nature, Denver, CO.

**Lawrence R. Heaney**

Fieldwork: Mt. Banahao, Laguna Province, Philippines; Pine Forest Range, Nevada.

Research: Philippine National Museum; Natural History Museum of Utah.

**Robert F. Inger**

Research: Southeast Asia.

**Corrie S. Moreau**

Fieldwork: Santa Rosa, Guanacaste, Costa Rica; Florida Keys, FL; Kampala, Uganda.

Research: Pennsylvania State University, University Park, PA; University of California, Berkeley, CA; University of Kansas, Lawrence, KS.

**Alfred F. Newton**

Fieldwork: Indiana, California, Montana, Nevada, Oregon, Tennessee.

Research: Florida State Collection of Arthropods, Gainesville; University of Central Florida, Orlando, FL.

**Bruce D. Patterson**

Fieldwork: Western Kenya, Coastal Kenya.

Research: Okaukeujo, Namibia.

**Alan Resetar**

Fieldwork: Northern Indiana; St. Joseph County Parks BioBlitz, Spicer Lake, South Bend, IN.

**Petra Sierwald**

Fieldwork: Florida Keys, FL; Abaco, Bahamas.

Research: Smithsonian Institution, Washington DC; University of Florida, Gainesville, FL.

**W. Leo Smith**

Research: American Museum of Natural History, NY; Natural History Museum, Los Angeles County, CA; Scripps Institution of Oceanography, CA; University of Kansas, KS.

**William T. Stanley**

Fieldwork: Democratic Republic of the Congo, Tanzania.

Research: United States National Museum, Washington, D.C.; Humboldt State University Vertebrate Museum; Southern Highlands Conservation Project, Mbeya, Tanzania; University of Dar es Salaam, Tanzania; Kinshasa, DRC.

**Kevin Swagel**

Fieldwork: Wisconsin, Illinois.

**Margaret K. Thayer**

Fieldwork: Oregon, California, Indiana.

Research: Orlando, FL; Gainesville, FL.

**Janet R. Voight**

Research: Museum of New Zealand, Te Papa Tongarewa, Wellington, New Zealand.

**Harold K. Voris**

Research: Thailand.

**Stephanie Ware**

Fieldwork: Chicago, IL.

**Jason D. Weckstein**

Fieldwork: Reserva Nacional Volcan Mombacho and Reserva Natural Miraflor-Moropotente, Nicaragua.

Research: Illinois Natural History Survey/University of Illinois, Urbana-Champaign, IL.

**Mark W. Westneat**

Fieldwork: Andros Island, Bahamas; Kauai, HI; Lake Michigan; Freshwater streams, IL.

Research: Graduate University of the Chinese Academy of Sciences, Beijing, China; American University at Cairo, Cairo, Egypt.

## **BIODIVERSITY SYNTHESIS CENTER**

**Torsten Dikow**

Fieldwork: Namibia.

**Mark W. Westneat**

Fieldwork: Andros Island, Bahamas.

## PUBLIC EDUCATION AND OUTREACH, 2012

### DEPARTMENT OF ANTHROPOLOGY

#### **Douglas Bolender**

Public Presentations: A. Watson Armour III Seminar Series, The Field Museum.

#### **J. P. Brown**

Education Programs: Lead scientist for *Digital Planet: Mummies from the Crypt*.

Exhibit Development: Conservator and Lead Imaging Scientist, *Opening the Vaults: Mummies and Images of the Afterlife*; 3D reconstruction of Magdalenian skull for *Scenes from the Stone Age: The Cave Paintings of Lascaux*.

Media Development: TV interviews on CT scanning for ABC7, CBS2, WTTW11, NBC7; Print interviews for *Time Out Chicago*, *Chicago Sun-Times*.

Public Presentations: Lectures on CT scanning for Anthropology Alliance, Founders' Council, Members' Nights, South Suburban Archaeological Society, Genesis Medical Imaging Corporate Event.

Tours: Behind-the-scenes tours for Education Department, visiting scientists, Trustees.

Web and New Media: *The Field Revealed* videos.

#### **Elana Carpinone**

Education Programs: Field Museum Members' Nights; Women's Board event.

Tours: Behind-the-scenes tours for Institutional Advancement.

#### **Laure Dussubieux**

Education Programs: Anthropology Alliance coffee event.

#### **Gary Feinman**

Exhibition Development: International tour, *Chocolate*; Content Advisor, China Hall; Contributions to Community Museum, Santiago Matatlán, Oaxaca, Mexico; Contributions to Community Museum, San Pablo Villa de Mitla, Oaxaca, Mexico.

Media Development: Press on Maya Calendar 2012: television: NBC-Chicago, CBS-Chicago, WFLD (Fox)-Chicago; radio: WBBM; newspaper: *Chicago Tribune*; Press on Maya obsidian study: web: EurekAlert, The Huffington Post, Nano Patents and Innovations, Science Daily, maxisciences.com, BBC Mundo, blog.science-infuse.fr, lezgetreal.com, decouvertes-archeologiques.blogspot.fr, Earth First! Newswire, Archaeological Haecceities, Archaeological News, Archaeology News Network, Red Orbit, ScienceNewline Nature, e!Science News, Phys.Org, PressTV, Mike Ruggeri's Maya Archaeology News, El Nacional (Venezuela), Aimo (Argentina), Forte (Estonia), Múlt-Kor (Hungary); radio interview: Milt Rosenberg on WGN; Press on Maya Blue: print: *Sciences et Avenir* (France), *Mas Alla Magazine* (Spain), web: Science Codex, Red Orbit, Science Daily, entrisepost.com, derspiegel (Germany); Press on "Archaeology as a Social Science" in PNAS: web: EurekAlert, *The Columbus Dispatch*, Phys.Org, Red Orbit, Fossil Science News, Archaeology Daily, Heritage Daily (The Council for British Archaeology), collectingegypt.blogspot.com, gwebarchaeology.tumblr.com, features.rr.com, sciencealerts.com, longlifernote.tumblr.com, topics.treehugger.com, The Archaeology News Network Blog Posts, farmingnewsin.com, Science Index, search.wn.com; print: *The Columbus Dispatch*; Interviews: Xultun: New Scientist; Atzompa: National Geographic News; Collapse: New Scientist; Ethics of looted pieces in Princeton Maya exhibit: Princeton Alumni Magazine; Liz Brumfiel obituary: Sun Times; Commentary, Why Nations Fail, <http://whynationsfail.com>.

Public Presentations: Lecture on El Palmillo, Museum Committee, Santiago Matatlán, Oaxaca, Mexico.

Tours: Behind-the-scenes tours for Museum members, visiting scholars, visiting VIPS, etc.

#### **Mark Golitko**

Education Programs: Field Museum Members' Nights.

Tours: Behind-the-scenes tours for Anthropology Alliance Steering Committee, student groups.  
Web and New Media: The Field Revealed series, “The X-ray Fluorescence Lab”.

### **Jonathan Haas**

Exhibit Development: Curator, *Opening the Vaults: World’s Columbian Exposition*; Improvements to *The Ancient Americas*.

Public Presentations: “Violence in Humans: The Myth and Reality,” Anthropology Alliance.

Media Development: Interviews for Peruvian television and radio programs.

Tours: Behind-the-scenes tours for visiting scholars, VIPs, incoming Museum President.

### **Jamie Kelly**

Education Programs: Field Museum Members’ Nights; Anthropology Alliance and Annual Fund events.

Exhibit Development: Anthropology Collections Manager, *Opening the Vaults: Mummies*; Anthropology Collections Manager, *Fashion and The Field Museum Collection: Maria Pinto*; Anthropology Collections Manager, *Scenes from the Stone Age: The Cave Paintings of Lascaux*; Anthropology Collections Manager, China Hall.

Media Development: Assisted with Wind River documentary to air on Wyoming PBS and Wind River Virtual Museum for the Wind River Reservation.

Public Presentations: Presenter, *Philippine Ancestral Art*; Presenter, Anthropology Alliance Event *Rescuing a Forgotten Collection: The Importance of Kish to Understanding the Ancient Near East*; Presenter, VIP Preview for *Maharaja: The Splendor of India’s Royal Courts* exhibition.

Tours: Behind-the-scenes tours for Institutional Advancement, Group Sales, Administration, Trustees, Auxiliary Groups, Museum Members, visiting specialists, visiting VIPs, numerous school and university groups and classes.

Web and New Media: Contributor to Field Museum Anthropology Friday Artifact on Facebook.

### **Chapurukha M. Kusimba**

Educational Programs: Field Museum Members’ Nights.

Exhibit Development: Content Specialist, *Maharaja: The Splendor of India’s Royal Courts*.

Web and New Media: Field Revealed videos and audio podcasts.

### **Andrew Leith**

Education Programs: Field Museum Members’ Nights.

Tours: Behind-the-scenes tours.

### **Gloria Levitt**

Education Programs: Field Museum Members’ Nights; Women’s Board and Founder’s Council events.

Tours: Behind-the-scenes tours for donors, VIPs.

### **Robert D. Martin**

Education Programs: Field Museum Members’ Nights; Founders’ Frontiers Symposium; Annual Fund events; Anthropology Alliance events; Council on Africa events.

Exhibit Development: Lead Curator, *Opening the Vaults: Mummies*; Lead Curator, *Images of the Afterlife*; Advisory Curator, *Scenes from the Stone Age: The Cave Paintings of Lascaux*.

### **Linda Nicholas**

Exhibition Development: Contributions to Community Museum, Santiago Matatlán, Oaxaca, Mexico; Contributions to Community Museum, San Pablo Villa de Mitla, Oaxaca, Mexico.

Public Presentations: Lecture on El Palmillo, Museum Committee, Santiago Matatlán, Oaxaca, Mexico.

### **Lisa Niziolek**

Education Programs: Field Museum Members’ Nights; Field Ambassadors’ event.

Exhibit Development: Collections assistance, *Maharaja: The Splendor of India's Royal Courts*; Collections assistance, China Hall.

Tours: Behind-the-scenes tours for students, interns, volunteers, staff, and visiting researchers and scholars.

Web and New Media: Content development, *Java Sea Wreck* website.

### **Ruth Norton**

Education Programs: Field Museum Members' Nights; Lecturer, Chicago Cultural Alliance; Collection Assessments for Chinese American Museum of Chicago, Polish Museum of America, American Indian Center of Chicago; Women's Board Women in Science luncheon; Seminar with Chief of the Cultural Heritage Protection Treaties Section of UNESCO; Seminar with Director of the Citizens' Archive of Pakistan.

Exhibit Development: Conservator, *Fashion and The Field Museum Collection: Maria Pinto*; Conservator, China Hall; Conservator, *Genghis Khan*; *Process*, FM video for Searle Lounge.

Media Development: Interviewed for feature article in *Medill Journal*, Northwestern University, Medill School of Journalism.

Tours: Behind-the-scenes tours for Institutional Advancement and President's Office; Artifact housing tour for School of the Art Institute, Brown Study Collection.

### **William A. Parkinson**

Education Programs: Field Museum Members' Nights; Field Museum Expeditions.

Exhibit Development: Lead Curator, *Genghis Khan*; Lead Curator, *Scenes from the Stone Age: The Cave Paintings of Lascaux*; Curator, China Hall; Committee Member, Egypt Hall Exhibit Planning Team.

Public Presentations: Lecturer, A Particson TDK (The Student Archaeology Club of the Attila József Scientific University), Szeged, Hungary; Lecturer, University of Wisconsin-Milwaukee chapter of the Archaeological Institute of America; Lecturer, Department of Anthropology Lecture Series, Field Museum; Lecture, Office of Social Science Research, University of Illinois at Chicago; Lecturer, Department of Anthropology, University of Wisconsin, Madison, WI.

Web and New Media: Field Museum Expeditions: Uncovering Early Village Life in Southeastern Europe: The Körös Regional Archaeological Project; Kish Archaeological Site website rebuild.

Tours: Behind-the-scenes tours for Institutional Advancement, Anthropology Alliance, visiting VIPs, Irving Elementary Students, Oak Park, IL.

### **Christopher J. Philipp**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Contributor, *Witnesses of the Past*, University of Papua New Guinea and National Library, Port Moresby, Papua New Guinea.

Tours: Behind-the-scenes tours for Institutional Advancement, Group Sales, Administration, Auxiliary Groups, Museum Members, visiting specialists, visiting VIPs, Anthropology Alliance, numerous school and university groups.

### **James L. Phillips**

Exhibit Development: Co-Curator, *Opening the Vaults: Mummies*; Co-Curator, *Images of the Afterlife*; Co-Curator, *Scenes from the Stone Age: The Cave Paintings of Lascaux*.

### **Matthew Piscitelli**

Media Development: Contributor, American Association of Anthropologist blog, *The Huffington Post*; Interview for American Anthropology Association podcast series; Interview, *Box Office Magazine*.

### **Alaka Wali**

Education Programs: Anthropology Alliance; Wilmette Public Library; New York Hall of Science; Women's Board Outreach Luncheon; Algonquian Languages Conference; Members' Nights; Annual Fund Donors Event.

Exhibit Development: Co-Curator, *Fashion and The Field Museum Collections*: Maria Pinto.  
Media Development: WBEZ Radio Show (*848* with Tony Sarabia).  
Tours: Behind-the-scenes tours for Institutional Advancement; New Trustee Orientations.

**Brittany Wheeler**

Education Programs: Field Museum Members' Nights; Newberry Consortium in American Indian Studies; Field Museum Contributor, Graduate Student Summer Institute at the Newberry Library.  
Tours: Behind the scenes tours for Education Department and Algonquian Conference.  
Other: Support for visiting researchers and non-repatriation tribal visits.

**Patrick Ryan Williams**

Education Programs: Field Museum Members' Nights; Contisuyo Archaeological Field School, Moquegua, Peru.  
Exhibit Development: Member, Egypt Hall Planning Committee; Member, China Hall Planning Committee; Content Advisor, *Opening the Vaults: Mummies*.  
Public Presentations: Opening Lecture, *Wari: Lords of the Ancient Andes*, Cleveland Museum of Art.

**DEPARTMENT OF BOTANY**

**Mark Alvey**

Education Programs: Field Museum Members' Nights; numerous behind-the-scenes tours for school groups, families, and individuals; Content coordinator, *Opening the Vaults: World's Columbian Exposition* exhibit.

**Anna Balla**

Education Programs: Field Museum Members' Nights.

**Laura Briscoe**

Education Programs: Field Museum Members' Nights; Educator Open House.

**William Burger**

Education Programs: Field Museum Members' Nights.

**Michael O. Dillon**

Web and New Media: Developer and webmaster, Andean Botanical Information System, *ABIS* ([www.sacha.org](http://www.sacha.org)).

**Darlene Dowdy-Pritchett**

Education Programs: Field Museum Members' Nights.

**Krysta Duran**

Education Programs: Field Museum Members' Nights.

**Sabine Huhndorf**

Education Programs: Field Museum Members' Nights.

**Maria Lucia Kawasaki**

Education Programs: Field Museum Members' Nights.

**Patrick Leacock**

Education Programs: Field Museum Members' Nights; Instructor, Fungi of Northern Illinois, Morton Arboretum Naturalist Certification Program.

Public Presentations: Invited programs: Illinois Mycological Association, Chicago, IL; Mycological Association of Washington, Washington D.C.; McHenry County College Conference Center, Crystal Lake, IL.

Tours and Field Trips: Field trips, Illinois Mycological Association, Wisconsin Mycological Society.

### **Robert Lücking**

Education Programs: Field Museum Members' Nights; Lichen Exhibit at Annual Fund Behind-the-Scenes event.

Exhibit Development: Botanical elements, *Biomechanics* exhibit.

Media Development: International Innovation Journal Report "Looking for Lichen" about NSF Project "Neotropical Epiphytic Microlichens - An Innovative Inventory of a Highly Diverse yet Little Known Group of Symbiotic Organisms."

Web and New Media: New interactive identification key format for desktop and tablet computers; EOL LifeDesk pages.

### **H. Thorsten Lumbsch**

Education Programs: Educator Open House, Field Museum; numerous behind-the-scenes tours.

Other: Behind-the-scenes tours for donors, Trustees, and other VIPs.

### **Joanna McCaffrey**

Education Programs: Field Museum Members' Nights.

Other: Demonstrations of digitization/scanning facilities to various visitors, classes, donors, VIPs, etc.

### **Christine Niezgoda**

Education Programs: Field Museum Members' Nights.

Other: Herbarium tours for Field Museum Trustees, Annual Fund members, and other Institutional Advancement constituents.

### **Sittiporn Parnmen**

Education Programs: Field Museum Members' Nights; Chicago Public Schools Teacher workshop.

### **Richard H. Ree**

Web and New Media: Developer, Biodiversity of the Hengduan Mountains web site/database; Lagrange software for historical biogeographical inference; Ivy, software for interactive phylogenetic analysis; Phylografter, collaborative synthesis of phylogenetic trees.

### **Matt von Konrat**

Education Programs: Members' Nights, Connecting Biodiversity Research with Curriculum in partnership with Wilbur Wright College and Northeastern Illinois University.

Public Presentations: Lincoln Park Conservatory, Chicago Park District, Chicago.

Tours: Various Behind-the-Scenes Tours, e.g., Wilbur Wright College, Chicago Art Institute, Lincoln Park Conservatory.

Web and New Media: Editor, *Liverworts*, The New Zealand Plant Conservation Network ([www.nzpcn.org.nz](http://www.nzpcn.org.nz)); Editor, *Bryophytes*, DiscoverLife ([www.discoverlife.org/bryophyta](http://www.discoverlife.org/bryophyta)); Developer and Editor of the GBIF funded *Early Land Plants Today* (<http://www.early-land-plants-today.org>); Contributor, [www.biology.duke.edu/bryology/LiToL/](http://www.biology.duke.edu/bryology/LiToL/); contributor to various *Field Revealed* videos.

## DEPARTMENT OF GEOLOGY

### **Kenneth D. Angielczyk**

Education Programs: *I Dig Tanzania! 2012*, educational program in which 16 teenagers from Chicago followed the work of a team of paleontologists in the Ruhuhu Basin, Tanzania, using uploaded photos, satellite phone calls, and the virtual world Teen Second Life, collaborative project between Department of Geology, Education Department, and Biodiversity Synthesis Center.

Media Development: Interview, *Chicago Tribune*; Author, 14 posts during Brazil fieldwork for *New York Times'* Scientist at Work blog; Guest, *Extension 720 with Milt Rosenberg*, Radio 720 WGN.

Other: Council on Africa and Field Associates Unpacking Party focusing on Specimens from 2012 Tanzania Fieldwork; Presentation (with Audrey Aronowsky) on *I Dig Science* and Game of Bones for Executive Committee of the Board of Trustees; Council on Africa year-end dinner.

### **Marlene Hill Donnelly**

Education Programs: Field Museum Members' Nights.

Other: Chicago Botanic Garden, Certificate Program classes: Botanical Drawing I, II, and III; Color Mixing I and II; Pastel Landscape Painting. Morton Arboretum, Certificate Program: Botanical Illustration.

### **Ian Glasspool**

Education Programs: "Fossil Plant Lab" Earlham College, Chicago held at The Field Museum.

Exhibition Development: Consultant, *Biomechanics*; Consultant, exhibit development at Pratt Museum, Alaska.

Web and New Media: Grainger Digital Initiative, Geology and Paleobotany websites: content developer and publisher.

Media Development: Interviews: Fox News, *Chicago Sun-Times*, *New Scientist Magazine*.

Other: Behind-the-scenes tours: donors, university groups; fossil identification for members of the public.

### **Lance Grande**

Education Programs: Field Museum Members' Nights.

Public Presentations: Earth Science Club of Northern Illinois, "Snapshots from Deep Time: the 52-million year old community of Fossil Lake."

### **Philipp R. Heck**

Education Programs: Field Museum Members' Nights; Field Ambassador Program; Education Open House for graduate students.

Exhibit Development: New display case in the Robert A. Pritzker Center for Meteoritics and Polar Studies and at the Chicago Center for Cosmochemistry, University of Chicago.

Media Development: Member of the international research consortium for the study of the Sutter's Mill carbonaceous chondrite, gave interviews to several local news media including WBEZ, ABC 7 Chicago, WTTW, *Chicago Sun-Times*, *Chicago Tribune*, and Fox about The Field Museum's acquisition of the Sutter's Mill meteorite; Official museum press release on the publication in *Science* of the first results of the study of the Sutter's Mill meteorite.

Public Presentations: Host and presenter, Astronomical League's Annual Convention 2012 in the Museum's Simpson Theater; Second French-American Science Festival organized by the Consulate General of France in Chicago.

Web and New Media: Content provider and maintenance of new website for the Robert A. Pritzker Center (meteorites.fieldmuseum.org) and its new Facebook page; Content provider, blogger, and photographer for the expedition Meteorites & Stromatolites Expedition at the expeditions.fieldmuseum.org website.

Other: 22 Behind-the-scenes tours of the Robert A. Pritzker Center for Meteoritics and Polar Studies for 188 visitors; 47 professional researchers visited the Robert A. Pritzker Center's collection and were given special tours; Freedom Gala, Pritzker Military Library; Mars Science Laboratory (MSL) landing event at the Museum of Science and Industry. Meteorite identification service for the general public.



### **James L. Holstein**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Department consultant for the *Grainger Hall of Gems* content and maintenance.

Media Development: *Chicago Tribune*, and *Chicago Tonight* interviews on Sutter's Mill meteorite fall.

Public Presentations: Des Plaines Valley Geology Club, "Meteorite Impacts and Near Earth Objects"; Illinois Science Council Presentation on the Perseid meteor shower; Speaker "Adler After Dark" program, Adler Planetarium.

Web and New Media: Administrator for the Robert A. Pritzker Center for Meteoritics and Polar Studies Facebook page.

Other: 22 behind-the-scenes tours of the Robert A. Pritzker Center for Meteoritics and Polar Studies and/or the Department of Geology; Meteorite identification upon request for the general public.

### **Scott Lidgard**

Education Programs: Field Museum Members' Nights.

Web and New Media: *BryoZone* (<http://www.bryozone.net>), an interactive global database and website for Bryozoa that aims to foster preservation and dissemination of scientific knowledge of this diverse phylum of colonial invertebrate animals.

Other: Behind-the-scenes tours to visiting scientists and several college and university biology and geology classes.

### **Peter J. Makovicky**

Education Programs: Field Museum Members' Nights; Lecturer, "Ethics and Responsible Conduct in Research" to Research Experience for Undergraduate interns.

Exhibit Development: Provided content and scientific oversight of exhibit panels, interactive computer game, and two videos for Searle Lounge renovation; proposed and initiated project content for upcoming temporary exhibit *Antarctic Dinosaurs*; Provided conceptual oversight and content ideas for Field Museum exhibit cases at Lurie Children's Memorial Hospital; Content contributor, *Nature's Toolbox* exhibit.

Media Development: Publication of paper in *Proceedings of the Royal Society B* entitled "No evidence for directional evolution of body mass in herbivorous theropod dinosaurs" was covered by several science blogs including Phys.org, newswise, examiner.com, newstrack india, etc.; Interview with Medill news service on new species of Canadian dinosaur in late November; Interviews with *Nature* and *Science* in conjunction with museum budget balancing in December 2012.

Public Presentations: Earth Science Club of Northern Illinois, DuPage County Community College.

Other: Tour for Trustee Dinner hosted by John Canning; tour of CRC for guests of Trustee R. Chaifetz; Tour for guests of trustee Sue Benton.

### **Paul S. Mayer**

Education Programs: Field Museum Members' Nights; Boy Scout Geology badge program.

Exhibit Development: *Biomechanics* exhibit.

Media Development: Edited short story for *In the Field* Magazine. Interviewed by Medill Reports Chicago for newspaper article on fossil spiders.

Public Presentations: Lecture for the Chicago Shell Club.

Web and New Media: Fossil of the Week on Facebook, Digitization of the Cephalopod type, Figured and referred Collection and KE EMu Database conversion.

Other: Silurian reef exhibit for Children's Hospital, ESCONI Rock and Mineral Show exhibit. Collection tours for classes from Northwestern University, University of Chicago, Chicago Art Institute, Rock Valley College, Cornell University, University of North Carolina—Wilmington; plus tours and various behind the scenes tours and Fossil identification for members of the public.

### **Olivier Rieppel**

Education Programs: Field Museum Members' Nights.

### **Akiko Shinya**

Education Programs: Field Museum Members' Nights; Dozin' with the Dinos, Boy scouts badge day.

### **William F. Simpson**

Education Programs: Field Museum Members' Nights; Content reviewer, new Harris Loans programs; Trainer, collections management techniques for Stones & Bones program.

Exhibit Development: Curator, *Extreme Mammals* traveling exhibit; Advisor, redevelopment of SUE exhibits in Searle Lounge including redesign of SUE skull case; Advisor, redesign of pterosaur exhibit in *Evolving Planet*.

Media Development: Various interviews on paleontology, including live interview on *Chicago Tonight*, and interview with *Red Eye*. Worked with BioSynC staff on new internet games involving Field Museum fossils.

Public Presentations: Speaker, Winter Founders' Council Fundraiser, hosted by Kate Donaldson and Ryan Whitacre; Lecturer and tour, two events in the Young Scholars Program; Lecturer and tour, Advanced Science Club of Bureau Valley High School.

Web and New Media: Worked with Exhibitions Media Producer to produce photos and videos of vertebrate collection ranges for video on the process of Field Museum research.

Other: Talk and tour of dinosaurs for terminally ill child; Fossil identification for members of the public; Supervised search of Fossil Vertebrate collections ranges by Secret Service in advance of NATO meeting; Organized displays and spoke to donors at President's Leadership Council fundraiser; Worked with John Weinstein to produce photos of vertebrate collection ranges for photos used at donor appreciation event for posting around the museum; Various behind-the-scenes tours: 13 Institutional Advancement tours including donors, dignitaries, Founders' Council Members, Members of the Board, educational tours including university classes, and intern tours; Tour of public lands collections and had discussion with Gary Machlis, Science Advisor for National Park Service, on new NPS Repository Agreement; Talk and tour of Fossil Mammal Range as children's party event for President's Leadership Council fundraiser; Organizer, field trip for 2012 Annual Meeting of the Society for Cenozoic Research, also provided tours of vertebrate collections on trip.

### **Paul P. Szipiera**

Education Programs: Field Museum Members' Nights.

Media Development: Featured scientific expert interviewed on four of Frank Carmichael's Happenings Q & A radio program broadcasts on station WLIP in Kenosha, WI; Radio interview, WCCI in Savannah, IL.

Public Presentations: Bi-monthly SKYWATCH (April–October) public astronomical viewing, April Boy Scout Jamboree weekend, Transit of Venus and partial solar eclipse observing events, and meteorite information sessions at the Apple River Fort State Historic Site in Elizabeth, IL; Seven presentations on Earnest Shackleton, Apollo 11 Moon landing anniversary, Mars Curiosity Rover, Antarctic search for meteorites, Perseid meteor shower, Blue Moon, and the Mayan Calendar at the 1876 Banwarth House and Museum in Elizabeth, IL; Meteorite display and demonstration provider at the JETSAstronomical Observatory, Freeport, IL; Class presentation on Antarctica, Scales Mound, IL Elementary School.

Other: Primary point of contact for meteorite identification for the general public; Tours of the Robert A. Pritzker Center for Meteoritics and Polar Studies for special groups and individuals.

### **Nathan D. Smith**

Education Programs: Field Museum Members' Nights.

Web and New Media: Provided information and media for updating of *Expeditions@fieldmuseum* webpage on Antarctic field project.

Other: Tour of FMNH collections and preparation labs for the Loyola University Chicago Biology Boot Camp, a summer program for incoming biology majors; Tour of FMNH collections and preparation labs for the 2012 Society for Cenozoic Research meeting attendees; Tour of collections and research facilities at the Field Museum to 20 students from Schaumburg High School.

### **Constance Van Beek**

Education Programs: Field Museum Members' Nights; Dozin' with the Dinos Overnights.

Media Development: Various media interviews on fieldwork, preparation.

Other: Fossil identifications for the general public; Scientist on the Floor: Extreme Mammals presentation for donors and special guests; Teaching Assistant for "Stones and Bones: A Practicum in Paleontology," Graham School of General Studies, University of Chicago

Tours: Various behind-the-scenes tours, private tours for donors and special guests; Geology clubs; Scout groups and teachers' groups.

## **DEPARTMENT OF ZOOLOGY**

### **Rebecca Banasiak**

Education Programs: Field Museum Members' Nights; Tanzanian educational outreach products (posters, calendars, booklets, guide sheets); Instructor, Field Museum "Boy Scout Badge Days"; Illustrator, *Virtual Visits*; Artist, The Big Draw at the Field Museum Sketch Scavenger Hunt; Instructor, Field Ambassador Education Workshop.

Media Development: Developer, "African Type Project" on KE Emu.

Tours: Various behind-the-scenes tours for Field Museum guests, School for the Art Institute of Chicago students, etc.

Web and New Media: Developer, *Mammals of Tanzania*; Developer, Field Museum Division of Mammals Website; Content Provider, "Mammal Mondays" on FMNH Facebook page.

Other: Developer (photographs and illustrations), various publications on Tanzanian small mammals.

### **John M. Bates**

Education Programs: DePaul University Architecture class, Columbia University Communications Course, University of Chicago, Introduction to Field Museum Course; University of Chicago Graduate Ethics course. Field Museum Council on Africa, President's Leadership Council/Harris Loan Reopening, Leakey Dinner, Field Associate Council on Africa unpacking party, Council on Africa Behind the scenes tour, Parker/Gentry Award presentation.

Exhibit Development: Collections and research content advisor, *Ronald and Christina Gidwitz Hall of Birds*.

Public Presentations: Lake County Audubon, McHenry County Audubon.

### **Rüdiger Bieler**

Exhibit Development: "Science on the Half Shell" traveling exhibition (based on RB's Exploring the Bivalve Tree of Life research program).

Media Development: Use of field and laboratory photographs in various exhibition and textbook projects.

Tours: Various behind-the-scenes tours.

Web and New Media: Developer, bivalve-focused web sites [www.bivatol.org](http://www.bivatol.org), [www.bivatol.org/bits](http://www.bivatol.org/bits) and gastropod-focused site at [vermetus.org](http://vermetus.org); Developer, Expeditions: Moreton Bay site; Developer, *Malacological Journals & Newsletters* (<http://emuweb.fieldmuseum.org/iz/journals.php>) website.

### **James H. Boone**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Content Specialist, *Abbott Hall of Conservation—Restoring Earth and Biomechanics*.

Media Development: *Insect of the week* – FMNH Facebook feature.

Tours: Various behind-the-scenes tours for: Institutional Advancement, new employees, students, visiting specialists.

Web and New Media: Content specialist, Division of Insects web page.

Other: Developer, Insect staff display case.

**Gracen Brilmyer**

Media Development: Designed and created Ants of the Florida Keys poster for public outreach; created insect drawings for Field Museum Facebook page.

Tours: Various behind-the-scenes tours, including School of the Art Institute undergraduate classes and other visitors.

**Matthew P. Davis**

Education Programs: Field Museum Members' Nights; Dozin With the Dinos (tours, presentations).

Exhibit Development: Content Advisor, *Creatures of Light* exhibit.

Tours: Numerous tours, fishes collection for high school students.

Web and New Media: Content creator for websites and audio podcasts (*What the Fish* podcast).

**Joshua I. Engel**

Media development: Appearance on *Chicago Tonight*.

Public Presentations: Evanston North-Shore Bird Club; McHenry County Audubon Society; Lake-Cook Audubon Society; Prairie Woods Audubon Society; DuPage Birding Club.

Web and New Media: Content manager, *African Birds*.

Other: Field trip leader, Illinois Young Birders, Illinois Ornithological Society, Evanston North Shore Bird Club.

**Jochen Gerber**

Education Programs: Field Museum Members' Nights.

Tours: Various behind-the-scenes collections tours.

**Anna Goldman**

Education Programs: Field Museum Members' Nights; Project Exploration's Junior Paleontologist Program; Mammal Instructor, Boy Scout Badge Day; Dozin with the Dinos Workshop; Organized mammal display table and volunteers for Donor Appreciation Night; Updated case content for Harris Education and Loan; Mammal Preparation Demonstration for President's Leadership Council / Harris Education and Loan Re-Launch; Evolution and Mammals Tour for AP Biology Students from St. Charles North High School.

Public Presentations: "I Found This at the Side of the Road," A Guide to Skeletal Preparation: A Natural History Network Event, University Museum of Zoology, Cambridge University, England.

Tours: Various behind-the-scenes tours for Institutional Advancement, donors, trustees, visiting VIP's, new employees, visiting professors, and students.

Web and New Media: Youth Design Team Video about Humans vs. Dolphins, Developer for Virtual Visits Pilot Program and Squirrel Beetle time-lapse video.

Other: Trained students and international researchers from National Museums of Kenya; Karisoke Research Center, Rwanda; Universidade Federal do Espírito Santo, Brazil; on mammal preparation and collection management.

**Steven M. Goodman**

Media Development: Newspaper interview, *La Monde*; Radio interview, Radio France International, several Malagasy radio stations; Television interview, Malagasy Broadcasting Company, France 5; Magazine interviews and corrections, *National Geographic*.

**Shannon J. Hackett**

Education Programs: Field Museum Members' Nights; Education programs on the changing nature of science for science teachers; education programming associated with *DNA Discovery Center*, education programming for home school students, Field Museum; DNA Residency Program, Discovery Center high school and teacher internship program, Field Museum; NIH collaboration with University of Chicago to create systems biology, evolution, and genomics programs; Education Teacher Training Workshops on birds, systematics, and evolution.

Exhibit Development: Curator, *Ronald and Christina Gidwitz Hall of Birds; DNA Discovery Center.*

Media Development: Interview for ABC7 news regarding opening of Bird Hall; Interview and weeklong internship for Medill School of Journalism students, Northwestern University.

Public Presentations: Talk to the Scientist Hour in the *DNA Discovery Center*; Presenter, Evanston Bird Club.

Tours: Various collection tours and presentations about the Department of Zoology, Pritzker Laboratory, and the Bird Division.

Web and New Media: Content Specialist, *Ronald and Christina Gidwitz Hall of Birds*; Member, Web User's Group; Content Specialist, *DNA Discovery Center* web site; Content Specialist, Pritzker Lab web site; Content Specialist, Early Bird Tree of Life web site; Content Specialist, *DNA Discovery Center's* Facebook page; Content Specialist, FMNH Facebook "Bird of the Week."

### **Lawrence R. Heaney**

Exhibit Development: Contributor of video content for "Extreme Mammals," an author of article for *In the Field* that promoted the exhibit.

Media Development: Interview as President of International Biogeography Society for *International Innovation* magazine and website.

Tours: Ambassador Jose Cuisia and Consul General Leo Herrera-Lim, Philippines; Assistant Director and staff of Philippine National Museum; behind-the-scenes tours of research and collection areas for Institutional Advancement.

### **Mary Hennen**

Education Programs: Field Museum Members' Nights.

Web and New Media: *Chicago Peregrine Program* website.

Media Development: Interviews: CBS, NBC, ABC, *Chicago Tribune*, *Chicago Sun-Times*, *Hyde Park Herald*, *Elgin Courier News*, Lake Cook Audubon Newsletter, WGN radio, WBBM radio.

Tours: Dozin with the Dinos, Group Sales, 95% Share; Chicago Audubon Society; Near North Montessori School; Museum of Science & Industry; School of the Art Institute; U.S. Fish & Wildlife Service Volunteers; Greenwood School of Waukegan; Madison Audubon Society.

Other: Director, Chicago Peregrine Program.

### **Janeen Jones**

Education Programs: Field Museum Members' Nights.

Tours: Hope College Invertebrate Zoology Class tour; various behind-the-scenes collection tours.

Web and New Media: Web Publisher; Professional Staff Web Video project organizational committee.

### **Kathleen Kelly**

Education Programs: Field Museum Members' Nights.

Tours: Behind-the-scenes collection tours for Dozin with the Dinos, Institutional Advancement, visiting VIPs, Auxiliary Groups, college courses, etc.

Web and New Media: Content Specialist, Amphibians and Reptiles Divisional web site.

### **Ben Marks**

Exhibit Development: *Ronald and Christina Gidwitz Hall of Birds*, meetings about development of the upcoming *Biomechanics* exhibit.

Public Presentations: University of Loyola Freshman orientation; SAIC Form and Function design course; Philippine National Museum Committee

### **Susan F. Mochel**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Contributor: *Creatures of Light*, *Biomechanics*.

Web and New Media: Participant: *What the Fish?*, Professional Staff Video.

Tours: Behind-the-scenes tours of Division of Fishes Collections for various groups and individuals.

### **Corrie S. Moreau**

Education Programs: Lecturer, Field Museum Youth Design Team academic high school course; Ant Course presentation, Kampala, Uganda, Africa.

Exhibit Development: Lead curator, *The Romance of Ants* exhibit; Content contributor, *Nature's Toolbox: Biodiversity, Art, and Invention* exhibit.

Media Development: Lead curator, *The Romance of Ants* exhibit; Interviewed for Field Museum Women's Board "Women in Science" video podcast; Interviewed by the *Chicago Tribune* for article about urban ant collecting and citizen science; Interviewed for NPR's News Blog "The Two Way" about the NPR AntCam; Radio interview for Chicago radio station (101.9 FM) on "MIX Matters."

Public Presentations: Presenter, School for the Art Institute of Chicago's entomology course.

Tours: Ant Course at Southwest Research Station in Kampala, Uganda, Africa.

Web and New Media: *Romance of Ants* companion website; *AntWeb*–AntBlog "expert"; AntWeb – Ants of the Florida Keys; AntWeb – Ants of Queensland, Australia; Personal Field Museum website; Ant Genomics website.

Other: Various collection tours and presentations about the *DNA Discovery Center* and Division of Insects.

### **Andria Niedzielski**

Education Programs: Field Museum Member's Nights; Mammals display table at Donor Appreciation Night; Mammal Preparation - President's Leadership Council/Harris Education and Loan Re-Launch Exhibit Development; Dozin' With The Dinos; Animal Teeth/ Diet Lecture; Big Draw Chicago; Educator Open House—"Virtual Visits (Pilot Program)."

Tours: Behind-the-scenes tours: Boy Scout groups, classes from The School of the Art Institute of Chicago.

Web and New Media: Virtual Visits participant; Expansion of Philippine Mammal Website.

Other: Trained students & international visitors mammal preparation techniques and cataloging procedures.

### **Bruce D. Patterson**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Content specialist/co-curator for *Extreme Mammals*; revised labels for "Mammals of the World"; consultation on specimens for *Biomechanics*; planning for "Bats: Masters of the Night."

Media Development: *Chicago Tonight* episode on *Extreme Mammals*"; CBS Evening News episode on cougars in the Midwest; "Mysteries of the Museum" episode on Tsavo lions.

Tours: Leader, "Big Cats of Botswana."

Web and New Media: personal web site; Google Scholar (profile); "Lions," *One Species at a Time*, Encyclopedia of Life (podcast); "Bat Calls from Kenya," *The Field Revealed* (video).

### **Martin D. Pryzdia**

Education Programs: Field Museum Members' Nights.

Tours: Various behind-the-scenes tours.

### **Alan Resetar**

Education Programs: Field Museum Members' Nights; Leader, Chicago Wilderness Calling Frog Survey Workshop, Chesterton, IN; Herp survey team leader, St. Joseph County Parks BioBlitz, Spicer Lake, South Bend, IN.

Exhibit Development: *Biomechanics*.

Media Development: Interview for WBEZ "Curious City" program.

Tours: Co-leader, behind-the-scenes Tour of Field Museum CRC wet collections for various groups.

Web and New Media: Field Museum Facebook Herp Day; Alan Resetar staff blog.

**Petra Sierwald**

Exhibit Development: Content development, *Biomechanics* exhibition.

Media Development: Millipede type specimen imaging and development of morphological atlas.

Tours: Various behind-the-scenes tours.

Web and New Media: Development of *Milli-PEET*, extensive site on millipede morphology, systematics and biology, <http://fieldmuseum.org/explore/milli-peet/milli-peet-class-diplopoda>.

**W. Leo Smith**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Lead curator, *Creatures of Light* exhibit.

Media Development: Interviews: WGN Radio.

Public Presentations: Presenter, Meet the Scientist Hour, *DNA Discovery Center*, Dozin' with the Dinos; Founder's Council.

Tours: Behind-the-scenes tours for Education department and institutional advancement, visiting scientists, VIPs, etc.

Web and New Media: *What the Fish?* Biweekly fish podcast.

**William T. Stanley**

Education Programs: Field Museum Members' Nights; Tanzanian educational outreach products (posters, calendars, booklets); Education Virtual Classroom.

Exhibit Development: Advisor: *Biomechanics*, *Extreme Mammals*.

Media Development: Bats on Halloween, ABC news.

Tours: Tour Leader, Field Museum Tanzania Safari; Tour Leader, Trustee Serengeti tour; Myriad Behind-the-scenes tours for Field Museum Board members; Institutional Advancement, new Trustees, visiting VIPs; Unpacking Party.

Web and New Media Projects: Developer, *Mammals of Tanzania*; *Mammal Mondays* on FMNH Facebook page; Developer, Field Museum Division of Mammals Website; *Field Revealed* video.

**Kevin Swagel**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Contributor, *Creatures of Light*; Contributor, *Biomechanics*.

Tours: Behind-the-scenes tours for a variety of groups, classes, and individuals.

Web and New Media: Interview, *What the Fish?*; Participant, Professional Staff video.

**Margaret K. Thayer**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Content advisor, *Nature's Toolbox*.

Media Development: Guest on *Worldview*, WBEZ; Guest on Extension 720, WGN.

Tours: Various behind-the-scenes tours.

Web and New Media: Co-maintainer of Division of Insects' web pages; Personal web profile with occasional blog posts; Webmaster, FMNH-AAUP chapter website.

**Janet R. Voight**

Education Programs: Field Museum Members' Nights.

Exhibit Development: Content specialist, *Creatures of Light* temporary Exhibition; Contributor, *Nature's Tool Box*.

Media Development: Interviews about invasive species and deep-sea conservation with MSNBC, *BBC News*, *Nature News*, *Science Mail* (AAAS), BBC Radio "The World Today," *National Geographic News*, British Science Omega; *BBC Wildlife Magazine*; Naked Scientist podcast (<http://www.thenakedscientists.com>); interview and photo shoot for *Chicago Reader* annual People issue; live radio interview with call-ins: *The Larry Meiller Show*, Wisconsin Public Radio.

Public Presentations: Invited Keynote Speaker University of Wisconsin, Madison: Darwin Days; Keynote speaker Malcolm X College Science, Technology Engineering Math Symposium, Chicago, IL.

Web and New Media: Featured Scientist, *The Field Revealed* video series “Getting to Know the Deep Sea.”

Tours: Four Behind the Scenes Tours for Founders Council members.

### **Harold K. Voris**

Education Programs: Field Museum Members’ Nights.

### **Stephanie Ware**

Education Programs: Field Museum Members’ Nights.

Exhibit Development: Content provider, *World of Birds*.

Media Development: Interviews or photographs for *Chicago Tribune*, *Chicago Sun-Times*, WGN, CBS-Chicago, NBC-Chicago, Fox-Chicago and other local media.

Web and New Media: Administrator, Scholarship Committee Application site; Developer/Administrator, *Midwest Peregrine Falcons* Flickr group; Content provider, FMNH *Illinois Peregrines* page; Content provider, *The Field Revealed*, “Recovering Peregrines with Mary.”

Tours: Various behind-the-scenes tours.

Other: Designer, photographer and content provider for the “Collections and Research Scholarship Committee 2012 Summer Interns” booklet.

### **Jason D. Weckstein**

Education Programs: Field Museum Members’ Nights; Specimen show-and-tell for 3<sup>rd</sup> Grade, Lincolnwood Elementary School; Specimen show-and-tell for Malaria: Blood, Sweat, and Tears exhibit opening; Lecture for two visiting Art Institute of Chicago Ornithology classes on bird parasite research.

Web and New Media: *Field Revealed* video, “Variety is the Spice of Lice” (<http://vimeo.com/44956295>);

*Expeditions@fieldmuseum* videos: “Amazonian Birds” (<http://vimeopro.com/fieldmuseum/amazonian-birds>); Contributor, <http://birds.fieldmuseum.org/> website; constructed website for National Science Foundation Funded Project on southern Amazonian birds and their parasites.

Public Presentations: Evanston North Shore Bird Club.

Tours: Myriad Behind-the-scenes tours for elementary school groups; Northerly Island field walk with summer interns.

### **Mark W. Westneat**

Education Programs: *WhyReef*, Encyclopedia of Life, IGERT Training program.

Exhibit Development: *Biomechanics* exhibit development.

Public Presentations: Donor Appreciation Night.

Tours: Behind-the-scenes tours for Institutional Advancement, prospective donors, Collections and Research Board members, visiting classes.

Web and New Media: Research web site, software development, Encyclopedia of Life, Biodiversity Synthesis Center; *Science@FMNH* videos; video for *Biomechanics*.

## **BIODIVERSITY SYNTHESIS CENTER**

### **Audrey Aronowsky**

Education Programs: Field Museum Members’ Nights, I Dig Tanzania, Digital Planet, Summer Youth Design Team.

Public Presentations: Presenter, Annual Fund and Founders Council groups.

Tours: Various behind-the-scenes tours.

Web and New Media: *WhyReef*, *Science@FMNH* series, Bird Hall website, BioSynC quarterly e-newsletter, EOletter.

### **Torsten Dikow**

Education Programs: Field Museum Members’ Nights.



Tours: Various behind-the-scenes tours.  
Web and New Media: Asiloidea LifeDesk.

**Sarah Kim**

Education Programs: Field Museum Members' Nights.

**Beth Sanzenbacher**

Education Programs: Field Museum Members' Nights; *I Dig Tanzania*; *Digital Planet*; Summer Youth Design Team.

Public Presentations: Presenter, Annual Fund and Founders Council groups.

Tours: Various behind-the-scenes tours.

Web and New Media: *WhyReef*, *Science@FMNH* series, *What the Fish?* series, Bird Hall website, BioSynC quarterly e-newsletter, EOletter.

**Mark W. Westneat**

Exhibit Development: Curator, *Biomechanics* exhibit.

Public Presentations: Presenter, Annual Fund and Founders Council groups.

Tours: Various behind-the-scenes tours.

**LIBRARY**

**Melissa Anderson**

Education Programs: Field Museum Members' Nights; Edible Treasures Garden Programming.

Other: Behind-the-scenes tours for various groups; Chicago Foundation for Women: leadership and development workshop.

**Karen Bean**

Education programs: Field Museum Members' Nights; Presentation on skills training for 2012 Youth Design Team.

Other: Behind scenes tours and demonstrations for school groups; Promotional outreach (Imaging the Field).

**Nina Cummings**

Education Programs: Field Museum Members' Nights.

**Diana Duncan**

Education Programs: Field Museum Members' Nights.

Other: Various Library and Rare Book Room tours.

**Armand Esai**

Education Programs: Field Museum Members' Nights.

**Christine Giannoni**

Education Programs: Field Museum Members' Nights.

Other: Various Library and Rare Book Room tours.

**Michael Trombley**

Education Programs: Field Museum Members' Nights.

## OFFICE OF COLLECTIONS AND RESEARCH

### **Kasey Mennie**

Education Programs: Team leader, “Lunch & Learn” series, Edible Treasures Garden.

Web and New Media: Designer, Edible Treasures Garden map; Designer, graphics for Collections & Research 2012 Annual Report.

### **Carter O’Brien**

Education Programs: Field Museum Members’ Nights.

Media Development: Interviewed for Edible Treasures Garden installation, Dig In.

Web and New Media: Content Manager: A Greener Field websites on *fieldmuseum.org*, Facebook; Music Composer: “Discovering Mount Gorongosa,” “Bat Calls from Kenya,” <http://fieldmuseum.org/explore/the-field-revealed>.

## PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

### **Kevin Feldheim**

Education Programs: *DNA Discovery Center* High School and Teacher Internship program.

Other: Various behind-the-scenes collections tours; Content Specialist, *DNA Discovery Center* website; Content Specialist, *Pritzker Lab* website.

### **Erica Zahnle**

Education Programs: *DNA Discovery Center* High School and Teacher Internship program; Chicago Systems Biology Center for the Study of Transcriptional Networks outreach; IMSA Student Inquiry and Research Program.

Other: Various behind-the-scenes collections tours; Content Specialist, *DNA Discovery Center* website; Content Specialist, *Pritzker Lab* website; *DNA Discovery Center* Facebook page.

### **Brian Wray**

Other: Various behind-the-scenes collections tours; Content Specialist, *DNA Discovery Center* website; Content Specialist, *Pritzker Lab* website; *DNA Discovery Center* Facebook page.

## **HIGHER EDUCATION, 2012**

(College/University Teaching, Graduate Advising, Internships, etc.)

### **DEPARTMENT OF ANTHROPOLOGY**

#### **Douglas Bolender**

Graduate Students Advised: Kathryn Catlin (University of Massachusetts-Boston).

Teaching: "Environmental Archaeology," Northwestern University; Guest lectures in: "Introduction to Archaeology" and "Medieval Materialities," Northwestern University.

#### **J. P. Brown**

Undergraduate Interns: Andrea Rummel (University of Chicago); Catherine Althaus (Northwestern University).

Graduate Interns: Ashley Jehle (Buffalo State College).

#### **Elana Carpinone**

Undergraduate Interns: Aiyana Moorhead (Boston University).

#### **Gary Feinman**

Undergraduate Interns: Holly Smith (Swarthmore University); Monica Rosenberger (Carthage College); Amanda Onalaja (New York University); Teressa Peirona (Loyola University); Eileen O'Donnell (Art Institute of Chicago).

Graduate Interns: Samantha Pietruszewski (University of Illinois at Chicago).

Graduate Students Advised: Samantha Pietruszewski, Matthew Piscitelli (University of Illinois at Chicago).

Graduate Student Associates: Lacey Carpenter (University of Michigan).

Graduate Student Training: Eight Chinese graduate students in archaeology (Shandong University, Jinan, China).

#### **Mark Golitko**

Teaching: "Anthropology 100: The Human Adventure," University of Illinois at Chicago.

#### **Jonathan Haas**

Graduate Students Advised: Ashlee Craig, Edward Jackitis (Northern Illinois University); Sofia Chacaltana, Matthew Piscitelli, Cecilia Smith, Pinar Uner (University of Illinois at Chicago).

#### **Jamie Kelly**

Undergraduate Interns: Peter Altaffer (Loyola University); Sarah Carlson (Illinois Wesleyan University); Maura Condon (DePaul University); Susan Jones (Wheaton College); Paula Makuch (University of Illinois at Chicago); Amanda Respass (Northeastern Illinois University).

Graduate Interns: Amy Zillman (Northwestern University).

#### **Chapurukha M. Kusimba**

Graduate Students Advised: Colin LeJeune, Lindsey Proctor, John Villecco (University of Illinois at Chicago); Kong Cheong (Trent University); Carla Klehm (University of Texas at Austin); Ibrahim Busolo (University of Nairobi-Kenya).

#### **Gloria Levitt**

Undergraduate Interns: Caroline Clay, Jessica Pantel, Alexander Pirela (North Central College); Aiyana Scully Moorhead (Boston University).

Other: Fund Scholarship for anthropology, North Central College.

**Robert D. Martin**

Undergraduate Interns: Catherine Althaus (Northwestern University); Andrea Rummel (University of Chicago); Kelley Seifert (Iowa State University).

Graduate Students Advised: Cindy Carlson, Edna Davion, Matthew Heintz, Lu Yao (University of Chicago).

Teaching: “Primate Evolution” taught as part of the *Primates and Human Evolution* program for Study Abroad students, Paris Center of University of Chicago.

Other: Participation in selection of graduate students (University of Chicago, Committee on Evolutionary Biology).

**Linda Nicholas**

Undergraduate Interns: Holly Smith (Swarthmore University); Monica Rosenberger (Carthage College); Amanda Onalaja (New York University); Teressa Peirona (Loyola University); Eileen O'Donnell (Art Institute of Chicago).

Graduate Interns: Samantha Pietruszewski (University of Illinois at Chicago).

Graduate Student Training: 8 Chinese graduate students in archaeology (Shandong University, Jinan, China).

**Lisa Niziolek**

Undergraduate Students Advised: Ashley Barba, Alice Bunch, Paula Makuch, Eva Martinez, Alexis Ochalla, Leona Quist, Allison Upton (University of Illinois at Chicago); Maura Condon (DePaul University); Amanda Respass (Northeastern Illinois University).

Graduate Students Advised: Rory Dennison, Matthew Piscitelli, Danielle Riebe (University of Illinois at Chicago).

Teaching: “Writing Culture,” University of Illinois at Chicago.

**Ruth Norton**

Undergraduate Interns: Amaris Sturm (University of Delaware); Megan Mueller (Southern Illinois University); Lauren Fahey (Wellesley College).

Graduate Interns: Liz Sorokin (Buffalo State College).

Graduate Researcher: Alexander Dittus (Staatliche Akademie der Bildenden Künste Stuttgart).

Teaching: “Natural Dyes,” Buffalo State College; “Collections Care I,” University of Chicago Graham School.

**William Parkinson**

Undergraduate Interns: Jillian Chlumsky (University of Illinois at Chicago); Patrick Druggan, Jacqueline Lipphardt, Meagan Luthern, Kyle Olson (Ohio State University).

Graduate Students Advised: Rory Denison, William Patrick Ridge, Danielle Riebe, Erin Rice, Rebecca Seifried (University of Illinois at Chicago); Tamás Polanyi (Northwestern University); Ian Pawn (Florida State University); Sylvia Deskaj (Michigan State University).

Postdoctoral Scholars Advised: Sirma Alexandrova, Shannon Martino, America for Bulgaria Foundation Postdoctoral Fellows; Douglas Bolender, Northwestern University Postdoctoral Fellow.

Teaching: Independent Study, University of Illinois at Chicago; “Regional Analysis in Archaeology,” University of Illinois at Chicago.

Other: Director, International Research Experience for Students: U.S.-Hungarian-Greek Collaborative International Research Experience for Students on Origins and Development of Prehistoric European Villages, Körös Regional Archaeological Project, Vésztő, Hungary.

**Christopher J. Philipp**

Undergraduate Interns: Grace Apfeld (Rice University); Anna Lindquist (University of Illinois at Chicago); Katelyn Melloh (University of Notre Dame); Marissa Rivera (DePaul University); Sarah Rivers (Northern Illinois University).

**John Edward Terrell**

Graduate Interns: Sara DiDomenico, Pilar Escontrias (Northwestern University).

Teaching: “Friendship: Anthropological & Evolutionary Perspectives” (University of Illinois at Chicago).

Other: Organizer and project leader for “Social Network Analysis Seminar Series,” Field Museum.

**Alaka Wali**

Graduate Students Advised: Paul Bick, Zachary Blair, Evin Rodkey (University of Illinois at Chicago).

Graduate Interns: Sarah Casson (Grinnell College); Marvi Mazhar (Polytechnic Di Torino); Kristen Simmons (University of Chicago); Jessica Jaffe (Tulane University).

**Patrick Ryan Williams**

Undergraduate Students Advised: Augusta Gudeman (University of Chicago); Stephanie Lear (University of Illinois at Chicago).

Graduate Students Advised: Emily Baca, Gabriel Cantarutti, Sofia Chacaltana, Rebecca Deeb, Rory Dennison, John Hicks, David Reid, Danielle Riebe, Matthew Piscitelli, Doug Smit (University of Illinois at Chicago); Pilar Escontrias (Northwestern University).

Teaching: “Archaeological Field Methods,” University of Illinois at Chicago.

**DEPARTMENT OF BOTANY****Mark Alvey**

Other: Behind-the-scenes tours for students and faculty from Chicago Initiative for Research and Recruitment in Undergraduate Science (DePaul University, Harold Washington College, Truman College), University of Chicago Post-Baccalaureate Research Education Program, North Park University Ecology class, and Dominican University Museum Studies class.

**Kevin Havener**

Undergraduate Interns: Shawna Bartnik, Laura Bezler, Kristina Lugo (Roosevelt University); Emine Kochakova, Arista Tischner (University of Illinois at Chicago); Michael Niezgoda (Michigan State University); Chelsea Franklin, Daniel O'Rourke, De Katie Roznai, Yarency Rodriguez (De Paul University), Enrique Torres, Sherit Stovall (Wright College); Anna Krembs, Jared Lang, Lisa Murata, Oana Vadineanu, Zak Zillen (Northeastern Illinois University).

**Lucia Kawasaki**

Undergraduate Interns: Laura Bezler, Shawna Bartnik, Kristina Lugo (Roosevelt University); Emine Kochakova, Arista Tischner (University of Illinois at Chicago); Michael Niezgoda (Michigan State University); Chelsea Franklin, Daniel O'Rourke, De Katie Roznai, Yarency Rodriguez (De Paul University), Enrique Torres, Sherit Stovall (Wright College); Anna Krembs, Jared Lang, Lisa Murata, Oana Vadineanu, Zak Zillen (Northeastern Illinois University).

**Steven Leavitt**

Undergraduate Interns: Bradley Loomis (Green Mountain College); Kristiina Mark (University of Tartu, Estonia).

**Robert Lücking**

Graduate Students Advised: Matthew Nelsen (University of Chicago); Manuela Dal-Forno (George Mason University, Virginia); Alejandrina Bárcenas Peña, Ricardo Miranda (Universidad Nacional Autónoma de México); Daniela Lizano (Universidad de Costa Rica); Dania Rosabal López (Universidad de Oriente, Santiago de Cuba); Nancy Mateus, Bibiana Moncada, Angélica Rincón (Universidad Nacional, Colombia); Adriana Ardila (Universidad Distrital Francisco José Caldas, Colombia); Luisa Betancourt (Universidad Distrital, Colombia); Rouchi Nadine Pelaez, Sebastián Silano, Alejandro Pérez, (Universidad Distrital Francisco José de Caldas, Colombia); David Díaz Escandón, Edier Soto-Medina (Universidad del Valle,

Colombia); Jesús Hernández (Universidad Simón Bolívar, Venezuela); Janice Gomes Cavalcante, Dannyelly Santos Andrade, Grayce Kelly Océa, Marlon Wendell de Oliveira dos Santos, Katia Almeida de Jesus, Viviane Monique dos Santos, Driele Tavares de Goes, (Universidade Federal de Sergipe, Brazil); Luciana Calado Rodrigues (Universidade Federal de Sergipe, Itabaiana, Brazil) Shirley Cunha Feuerstein (Universidad Federal do Paraná, Curitiba, Brasil); Arlene Lisangan-Tabaquero (Saint Mary's University, Bayombong, Philippines).

Courses: OTS Specialty Course “Tropical Lichens and Forest Health: A Multidisciplinary Approach,” Las Cruces Biological Station, Costa Rica; Mini-Course “Desde la secuencia a la filogenia: introduccion al analisis de datos moleculares” (Universidade Estadual Paulista Júlio de Mesquita Filho, Botucatu, Brazil).

#### **H. Thorsten Lumbsch**

High School Intern: Janet Morales (Lane Tech College Prep, Chicago, IL).

Undergraduate Interns: Cornelia Fanter (DePaul University); Bradley Loomis (Green Mountain College, ME); Aparna Nutakki (University of Chicago).

Graduate Student Advised: Raquel Pino Bodas (Universidad Complutense de Madrid, Spain).

Postdoctoral Scientists: Steven Leavitt, Sittiporn Parnmen.

Teaching: “Complex Interactions” (University of Chicago).

Examiner: Opponent for Ph.D. defense (University of Helsinki, Finland).

#### **Christine Niezgoda**

Undergraduate Interns: Qianyu Ying (Lake Forest College); Allie Stone (School of the Art Institute, Chicago); Elliot Gitter (DePaul University).

Other: Herbarium tours for classes from Maharishi University, Fairfield, Iowa, Trinity Christian College, DePaul University, National-Louis University, Northern Illinois University.

#### **Sittiporn Parnmen**

Interns: Aparna Nutakki (University of Chicago); Nell Fanter (DePaul University).

Invited Lectures: Faculty of Science, PhD and Msc Students (Srinakharinwirot University); Faculty of Science, Msc Students (Ramkhamhaeng University).

#### **Richard H. Ree**

Undergraduate Interns: Megan Vats (Loyola University).

Graduate Students Advised: Katherine Brooks, Edna Davion, Deren Eaton, Kathryn Larson, Matthew Nelsen, Benjamin Rubin, Ben Winger, Nate Upham, Traci Viinanen (University of Chicago); Diane McCarthy, Michael Jorgenson (University of Illinois at Chicago); Anne Greenberg (Yale University).

Teaching: Short course on next-generation genotyping-by-sequencing for grad students and post-docs, Field Museum.

#### **Matt von Konrat**

Undergraduate Interns: Laura Bezler, Shawna Bartnik, Kristina Lugo (Roosevelt University); Emine Kochakova, Arista Tischner (University of Illinois at Chicago); Michael Niezgoda (Michigan State University); Chelsea Franklin, Daniel O'Rourke, De Katie Roznai, Yarency Rodriguez (De Paul University), Enrique Torres, Sherit Stovall (Wright College); Anna Krembs, Jared Lang, Lisa Murata, Oana Vadineanu, Zak Zillen (Northeastern Illinois University).

Graduate Students: Mereia Katafono (University of the South Pacific, Fiji).

### **DEPARTMENT OF GEOLOGY**

#### **Kenneth D. Angielczyk**

Undergraduate Interns: Florence Lin (University of Illinois).

Graduate Students Advised: Co-advisor, Jonathan S. Mitchell (Committee on Evolutionary Biology, University of Chicago).

Teaching: Guest lecturer, University of Chicago “Introduction to The Field Museum” course.

**Ian Glasspool**

Graduate Student Advised: Colleen Michael (Northwestern University).

**Lance Grande**

Undergraduate Interns: Spiro Sullivan (University of Chicago).

Courses: “Stones and Bones: A Course in Paleontological Theory and Practice,” University of Chicago (undergraduate level).

**Philipp R. Heck**

Postdoctoral Scientists: Matthias M. M. Meier (Lund University, Sweden).

Graduate Students Advised: Levke Kööp, Reto Trappitsch (University of Chicago).

Undergraduate Interns: Maria Valdes (University of Chicago); Sam Simon (Carnegie Mellon University); Eleanor Albarran (Princeton University); Christopher Boudreaux (Dartmouth College).

High School Interns: Evan Johnson-Ransom (Brother Rice High School), Sarah Pipal (Lyons Township High School), Evelina Yarmit (Highland Park High School), Libby Dybal (Glenbrook North High School), Rebecca Friedlander (Adlai E. Stevenson High School).

Invited/Guest Lectures: Department of Geography-Geology, Illinois State University, Normal, IL, “Fossil Meteorites: Traces of Cosmic Collisions.”

**Scott Lidgard**

Postdoctoral Scientists: Beckett Sterner.

Graduate Students Advised: Kristen Jenkins (Committee on Evolutionary Biology, University of Chicago), Aaron Kandur (Department of Ecology and Evolution, University of Chicago).

Graduate Student Interns: Judith Kaplan (University of Wisconsin, Madison).

Undergraduate Interns: Michael McGovern, Julia Quigley (University of Chicago).

Invited/Guest Lectures: History of Science Department, University of Wisconsin, Madison, WI.

**Peter J. Makovicky**

Graduate Students Advised: Co-advisor for Jonathan S. Mitchell (Committee on Evolutionary Biology, University of Chicago); Stephen Brusatte (Columbia University); Clint Boyd (UT Austin); Federico Gianechini (CONICET, Argentina).

Undergraduate Interns: Franco Gallastegui (University of Chicago); Diana Boudreau (Augustana College).

Invited/Guest Lectures: Seminar, “Trophic evolution in theropod dinosaurs,” Department of Geological Sciences, UT Austin.

Courses: Geos 30500 “History of Terrestrial Ecosystems,” Department of Geophysical Sciences, University of Chicago, Fall Quarter.

**Paul Mayer**

Undergraduate Interns: Alex Layng (Northwestern University).

High School Interns: Gabriel Ward (Randolph Upper School, Huntsville, AL).

**Olivier Rieppel**

Graduate Student Advised: Rebecca Dikow (University of Chicago); Le-tian Ma (Peking University).

Courses: Spring Quarter Class, “Evolutionary Morphology of Vertebrates,” Northwestern University (undergraduate level).

**William F. Simpson**

Undergraduate Intern: Diana Boudreau (Augustana College).

High School Intern: William Buchman.

**Paul P. Szipiera**

Invited/Guest Lectures: Lecture on the topic of the Mars Curiosity Rover for a meeting of the Phi Alpha Theta Honors Society at William Rainey Harper College, Palatine, IL.

**Nathan D. Smith**

Undergraduate Interns: Diana Boudreau, Elizabeth Fisher, Spencer Hellert, Vernon Meidlinger-Chin (Augustana College); Liam Heins (University of Chicago).

Courses: Instructor, Department of Biology, BIOL 240 "Evolution," Howard University (Fall, 3cr); Instructor, Field Museum of Natural History REU Program, "Phylogenetic Systematics" (summer course); Instructor, Department of Geology, GL 376 "Fossil Mammals of the White River Badlands," Augustana College (summer course).

Invited/Guest Lectures: "Dinosaurs on Ice: Fossil Hunting in the Early Jurassic of Antarctica," Department of Biology, BIOL 217 "Honors Orientation" Howard University (Dr. Michael Lipscomb, instructor); "Historical biogeography: early development and new analytical approaches," Biological Sciences, University of Chicago (BIOS 23406 Biogeography; Dr. Lawrence Heaney, Instructor).

**DEPARTMENT OF ZOOLOGY****John M. Bates**

Graduate Students Advised: Shane DuBay, Emma Gregg, Alison Johnson, Aaron Olsen, Aaron Savit, Ben Winger (University of Chicago); Isabel Caballero, Luca Borghesio (University of Illinois at Chicago); Eliot Miller (University of Missouri, St. Louis); Rozenn Bailleul-LeSuer (Oriental Institute).

Undergraduate Interns: Holly Lutz (University of Chicago); Luke Campillo (Drake University); Daniel Montgomery (Indiana State University).

High School Interns: Nathan Goldberg (Latin School).

Courses: Guest lecturer, University of Chicago "Introduction to The Field Museum" course.

**Rüdiger Bieler**

Postdoctoral Associates: Sid Staubach, Rosemary Golding, André Sartori.

Graduate Students advised: John Wilk (University of Illinois at Chicago).

Undergraduate Students Advised: Iqra Mushtaq (Loyola University).

Courses: "From So Simple a Beginning: Evolution," University of Chicago.

**James H. Boone**

High School Interns: Stacey Huynh (J. Sterling Morton East High School).

Undergraduate Interns: Stephanie Garcia (Loyola University); Daniel Le, Elana Ryznar, Jenny Farrell, Athens Chen (School of the Art Institute Chicago); Sonia Leon (Elmhurst College); Margaret Sladek (Loyola University).

**Jochen Gerber**

Undergraduate Intern: T. James Poulos (University of Illinois).

**Steven M. Goodman**

Graduate Students Advised: Hery Rakotondravony, Julie Ranivo, Soanandrasana Rahelinirina, Martin Raheriarisena, Zafimahery Rakotomalala, Fanja Ratriromanarivo, Oliarinony Ranalison, Désire Randriamasimanana, and Patricia Maminirina, Juliana Rasoma, Radosoa Andrianaivoarivelo, Sama Zefania, and Félix Rakotondraparany, Lily Rene de Roland, Aristide Andrianarimisa, Joelisoa Ratsirarison, Achille Raselimanana (Université d'Antananarivo); Amyot Kofoky, Tsibara Mbohoahy (Université de Toliara); Clément Gilbert (Stellenbosch University); Vincent Florens (Université de La Réunion); Leigh Richards, Thesine Naidoo, Taryn Ralph (University of Kwa-Zulu Natal); Nicole Weyeneth (Université de Geneve); DEA students, Université d'Antananarivo – 11 different students; DEA students,



Université de Mahajanga – three different students; Master’s students, University of Kwa-Zulu Natal – four different students.

Courses: “Biogéographie des animaux terrestres de Madagascar” (Graduate Student Seminar) et « Modèles de micro-endemism à Madagascar », Université d’Antananarivo; “Biogéographie des animaux terrestres de Madagascar” (Graduate Student Seminars), Université de Mahajanga.

Honorary Appointments: Honorary Professor, University of Kwa-Zulu Natal, South Africa; Professor, Université d’Antananarivo and Université de Mahajanga; Research Associate, The American Museum of Natural History; Visiting Scientist, The University of Michigan Museum of Zoology; Research Associate, University of Hamburg, Germany; Conseil Scientifique Régional du Patrimoine Naturel, Mayotte, France; Comité Scientifique Régional du Patrimoine Naturel, Préfecture de La Réunion, France.

### **Shannon J. Hackett**

High School Interns: Ben Hullinger, Walker Kettelkamp (Evanston Township High School); Griffin Harris (New Trier High School); Malia Wenny, Ellen Geiser (Illinois Math and Science Academy); Luke O’Conner (Jones College Prep); Jesse Kusimba (Oak Park High School); Catherine Zhou (University of Chicago Lab School); Audrey Putman (Morgan Park Academy).

Undergraduate Interns: Chris Ivanovich (University of Chicago).

Graduate Students Advised: Nicholas Block, Rebecca Dikow, Aaron Savit, Ben Winger (University of Chicago); Sarah McVicar (Northwestern University).

Staff Scientists Advised: Jason Weckstein, Holly Lutz, Heather Skeen.

Trainees: Tom Champion (Naperville North High School); Ana Simpson (Austin Polytechnical Academy).

Instructor: University of Chicago’s Introduction to Research at Field Museum.

Invited/Guest Lectures: Guest Lecturer for genomics class at University of Chicago; Guest Lecturer, evolution class, Loyola University; presentation on Doctoral Dissertation Improvement grants to University of Chicago students.

Other: Co-Chair, University of Chicago Committee on Evolutionary Biology; Steering Committee, University of Chicago’s GAANN program; Fellow, University of Chicago’s Institute for Genomics and Systems Biology; Co-PI and Presenter, University of Chicago and Field Museum joint program in systems biology for high school students and high school teachers.

### **Lawrence R. Heaney**

High School Interns Advised: Jennifer Gray and James Carthew (Evanston Township High School, Evanston).

Undergraduate Student Advised: Andrew Pfeiffer (Northwestern University).

Graduate Students Advised: Member of graduate committees for 4 students; one, University of Chicago, two, University of Illinois at Chicago and one at University of Minnesota.

Field Museum Scholar Advised: Philip Piper.

Courses: “Biogeography,” University of Chicago.

### **Susan Mochel**

High School Interns: Olivia Perozo (University of Chicago Laboratory School).

Undergraduate Interns: Matt Girard (Loyola University).

### **Corrie S. Moreau**

High School Interns: Charles Griggs (Proviso Mathematics and Science Academy); Katherine McDonnell, (St. Francis High School).

Undergraduate Interns: Ariel Fang, Caroline Hanson (School of the Art Institute of Chicago); Arista Tischner (University of Illinois at Chicago); Sara Zufan (DePaul University).

Graduate Students Advised: Benjamin Rubin, Max Winston (University of Chicago); Yi Hu (Drexel University).

Postdoctoral Associates: Stefanie Kautz.

Trainees: Rebekah Baquiran; Gracen Brilmyer; Alexandra Westrich; Brian Wray.

Courses: Ant Course, Kampala, Uganda, Africa, field-based course.

Invited/Guest Lectures: University of Chicago, Chicago, IL.

Other: Held workshop for FMNH summer interns on applying and getting into graduate school.

**Alfred F. Newton**

Graduate Students Advised: David J. Clarke (University of Illinois at Chicago); Angelico Asenjo (Universidade Federal do Paraná, Brazil); Chenyang Cai (Nanjing Institute of Geology and Palaeontology, Nanjing, China).

**Bruce D. Patterson**

High School Interns Advised: Daniel Patterson, Lyons Township H.S.

Undergraduate Interns Advised: Alexandra Weber, Loyola University of Chicago.

Graduate Students Advised: Alex Mwazo Gombe (Kenyatta University, Nairobi, Kenya); Carrie Seltzer, Erika Arnold, Victoria Flores (University of Illinois at Chicago); Eric Hancock, Christopher Schell, Nate Upham (University of Chicago); David Wechuli (Chepkoilel University College, Eldoret, Kenya).

External Examiner: Hassan Babiker (University of Cape Town, South Africa); Julia Schad (Universität Potsdam, Germany).

Courses: "Readings: Evolutionary Biology," University of Chicago; "Evolutionary Biology," University of Chicago.

International visiting scholars: Daniela Rossoni and Bárbara de Andrade Costa, Univ. São Paulo, Brazil; Elissandra Chiquito, Univ. São Paulo, Piracicaba, Brazil; Natali Hurtado, Univ. Nac. May. San Marcos, Peru; João Luis da Fonseca, Univ. Fed. Espírito Santo, Brazil.

**Alan Resetar**

Undergraduate Interns: Danielle Wasserman (Purdue University); Michael Page (Northeastern Illinois University).

Graduate Students Advised: Joshua Traub (John Carroll University).

**Petra Sierwald**

Graduate Students Advised: Michael Jorgensen, Robin Mores (University of Illinois at Chicago); João Paulo P. Pena Barbosa (Laboratório de Artrópodes, Instituto Butantan, São Paulo, Brazil); Veverle San Juan (University of the Philippines, Los Baños); Nguyen duc Anh (Institute of Ecology and Biological Resources, Hanoi, Vietnam).

Courses: "From So Simple a Beginning: Evolution," University of Chicago; German School of Chicago: arachnid and bird education program.

**W. Leo Smith**

Graduate Students Advised: Rebecca Dikow, Timothy Sosa (University of Chicago).

Graduate Student Committee Member: Jeremy Harris (Loyola University, Chicago); Lauren Sallan, Thomas Stewart (University of Chicago); Laura Schwartz (University of Illinois at Chicago).

Postdoctoral Associates: Matthew Davis.

Courses: "Scientific Integrity and Ethical Conduct of Research," University of Chicago.

**Kevin Swagel**

Undergraduate Interns: Matthew Girard (Loyola University).

**Margaret K. Thayer**

High School Interns: Christian Valderrama (J. F. Kennedy High School, Chicago); Kathy Zhou, (International School of Beijing, Beijing, China.)

Undergraduate Interns: Anthony Deczynski (University of Delaware); Will Montag (Bowdoin College); Mairead Baker (Northwestern University).

Graduate Students Advised: Dave J. Clarke (University of Illinois at Chicago), K. Taro Eldredge (University of Kansas).

Visiting Students: Chenyang Cai (Nanjing Institute of Geology and Palaeontology, China); John Leavengood (University of Kentucky).

**Janet R. Voight**

Undergraduate Intern: Meghan Rock (California State University, Monterey Bay).

**Harold K. Voris**

Graduate Students Advised: Chattraphas Pongcharoen (Chulalongkorn University, Bangkok, Thailand).

**Jason D. Weckstein**

High School Interns Advised: Malia Wenny (Illinois Math and Science Academy); Nathan Goldberg (Latin School of Chicago).

Undergraduate Interns Advised: Ari Ricd (Lawrence University); Jennie Lee (University of Chicago); Nathan Trautenberg (Northwestern University).

Graduate Students Advised: Wanyoike Wamiti (Kenyata University/National Museum's of Kenya).

**Mark W. Westneat**

Undergraduate Interns: Marianne Seneszco, Trevor Thompson, Sydney Rosebraugh (University of Chicago).

Graduate Students Advised: Joanna Mandecki, Charlene McCord, Aaron Olsen, Michael Alcorn, Daniela Palmer (University of Chicago).

Courses: IGERT training course in motor control and movement, University of Chicago; "Comparative Vertebrate Anatomy," University of Chicago.

Invited/guest lectures: Graduate University of the Chinese Academy of Sciences, Beijing, China; American University at Cairo, Cairo, Egypt.

**BIODIVERSITY SYNTHESIS CENTER**

**Mark Westneat**

Graduate Students Advised: Joanna Mandecki, Charlene McCord, Aaron Olsen (University of Chicago); Steve Hanson (University of Illinois at Chicago), Janelle Morano (Loyola University).

**Joshua Drew**

High School Student Interns: Charlotte Collins (Latin School, Chicago, IL); Amber Richardson, Darcae Holmes (VOISE Academy, Chicago, IL).

**Audrey Aronowsky**

Undergraduate Student Interns: Francesca Moroni (University of Wisconsin–Madison); Charles Larson, (Calvin College).

**Torsten Dikow**

Undergraduate Student Interns: Stephanie Leon (University of California-Riverside).

**Beth Sanzenbacher**

Undergraduate Student Interns: Timothy Sauer, Adam Orton (Columbia College, Chicago, IL).

**PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION**

**Kevin A. Feldheim**

Graduate Students Advised: Shannon O'Leary (Stony Brook University); Chris Schroeck (University of Illinois at Chicago); Andrea Bernard (Nova University); Nicole Phillips (Murdoch University).

Training (molecular techniques): Nell Fanter (DePaul University); Charles Griggs (Proviso Math and Science Academy); Jesse Kusimba (Oak Park River Forest High School); Bradley Loomis (Green Mountain College); Emma Mihevc (Georgia Tech); Aparna Nutakki (University of Chicago); Luke O'Connor (William Jones College Prep High School); Audrey Putman (Morgan Park Academy); Anna Simpson, (Austin Polytechnical Academy); Mark Swanson (Illinois Wesleyan); Nate Trautenberg (Northwestern University); Megan Vats, Alex Weber (Loyola University); Catherine Zhou (University of Chicago Lab School).

Training (microsatellite development): Shannon O'Leary (Stony Brook University); Evelyn Williams (postdoc, Morton Arboretum); Jason Palagi (University of Illinois at Chicago).

**Erica Zahnle**

Training: Ellen Geiser (Illinois Math and Science Academy); Anna Simpson (Austin Polytechnical Academy); Catherine Zhou (University of Chicago Lab School); Audrey Putman (Morgan Park Academy).

**Brian Wray:**

Training: Gracen Brilmyer (Art Institute of Chicago), Charles Griggs (Proviso Math and Science Academy).

## TRAINING PROGRAMS, 2012

In local lecture halls, at international universities, in our DNA Lab, in our collections, and at far-flung field sites, the following is an overview of the diverse array of training programs led by the curators and professional staff of Collections & Research in 2012. Each year members of The Field Museum's scientific staff of Collections & Research lead a wide spectrum of formal and hands-on training in collections-based research for high school, undergraduate and graduate students, and young professionals. Building on the Museum's core subject matter in evolutionary and environmental biology and anthropology/archaeology, these programs fulfill many functions: encouraging young students to consider careers in the sciences, providing the collections-based foundation for Ph.D. dissertations, and training early-career scientists from other countries to tackle environmental conservation issues at home.

### HIGH SCHOOL AND UNDERGRADUATE INTERNSHIPS

#### **Field Museum Scholarship Committee Internships**

Each year The Field Museum supports summer internships for undergraduate students to work directly with scientists at The Field Museum on collections-based research projects. In 2012, the Scholarship Committee supported eight students with funding from our NSF Research Experiences for Undergraduates (REU) program and two students with funding from our Prince Internship Program. The eight REU interns were as follows. **Anthony Deczynski** (University of Delaware) worked with Associate Curator and Head of Insects Margaret K. Thayer on a project entitled "Bringing new beetles to light." **Franco Gallastegui** (University of Chicago) worked with Associate Curator of Paleontology Peter Makovicky testing trophic niche evolution in theropod dinosaurs using systematic traits of teeth. **Jennie Lee** (University of Chicago) studied "Amazonian speciation in a ring: Phylogeographic history of the Channel-billed and White-throated toucans" with Associate Curator John Bates and Staff Scientist Jason Weckstein (Zoology/Birds). **Florence Lin** (University of Illinois at Urbana-Champaign) worked with Assistant Curator of Paleomammalogy Ken Angielczyk on a project entitled "Who is Anomodont A? Archiving and Reconstructing Serially-sectioned Dicynodont Skulls." **Bradley Loomis** (Green Mountain College) investigated morphological evolution in lichens under the supervision of MacArthur Associate Curator Thorsten Lumbsch. **Daniel Montgomery** (Indiana State University) worked with Associate Curator John Bates and Staff Scientist Josh Engel (Zoology/Birds) studying the genetic structure of birds in the Albertine Rift of Africa and implications for conservation and climate. **Iqra Mushtaq** (Loyola University of Chicago) worked with Curator Rüdiger Bieler and Post-doctoral Research Scientist Sid Staubach (both of Zoology/Invertebrates) on "The Bivalve Tree of Life: understanding the evolution of clams, mussels, oysters and their relatives." **Arista Tischner** (University of Illinois at Chicago) worked with Assistant Curator Corrie S. Moreau and Postdoctoral Research Scientist Stefanie Kautz (both Zoology/Insects) on a project entitled "Origin and rise of a giant: Phylogeography of the Neotropical bullet ant *Paraponera clavata*." The Prince program supported the internships of **Stephanie Garcia** (Loyola University of Chicago) and **Mark Swanson** (Illinois Wesleyan University); Stephanie worked with Collection Manager James H. Boone (Zoology/Insects) on a project entitled "Specimen Transactions," while Mark worked with Associate Curator John Bates and Staff Scientist Josh Engel (Zoology/Birds) researching genetic and morphologic structure in the Barred Owl.

#### **Boone Scholars Internships for East Asian Studies**

Supported by a bequest from the late Commander Gilbert E. Boone and his wife Katharine Phelps Boone, the Boone Scholars Internships for East Asian Studies provide highly qualified undergraduates the opportunity to study at The Field Museum and work with Anthropology collections from Japan, Korea, China, and elsewhere in the eastern part of Asia. The 2012 Boone Scholars were Maura Condon from DePaul University and Amanda Respass from Northeastern Illinois University. The focus of their activities was the *Java Sea Wreck* collection, which includes high-fired ceramics and earthenware, iron ingots and other metal objects, aromatic resin, elephant ivory, glass, and personal effects of the crew and merchants

of a 13<sup>th</sup>-century ship. Although the vessel sank in the Java Sea, its cargo is primarily from China. As part of their training, Maura and Amanda learned how to describe, measure, photograph, label, and catalog objects from this collection. They also translated and analyzed inscriptions and examined design motifs found on some of the shipwreck's ceramics. The inscription work is particularly valuable and has revealed the complex social, economic, and political relationships that China had with not only traders and consumers in Southeast Asia but also communities from the Middle East, some members of which settled at China's burgeoning trade ports during this time. To disseminate their findings, Maura and Amanda wrote text and identified images for a website that will feature the Museum's *Java Sea Wreck* collection. These activities provided our interns with a first-hand look at some of the daily work required to care for archaeological collections in a museum setting and enabled them to engage in collections-based research focusing on East Asia.

### **Anthropology Alliance Interns**

Launched by the Anthropology Department's auxiliary "friends" group in 2000, this program supports undergraduate involvement in anthropology research, including direct salary for Museum-based undergraduate collection management interns, and travel expenses for interns assisting in archaeological or ethnographic fieldwork. In 2012 there were four fieldwork interns and two collections interns supported by the Anthropology Alliance. Matthew Piscitelli of University of Illinois at Chicago spent the summer conducting archaeological research at the site of Huaricanga along the north central coast of Peru with Dr. Jonathan Haas. Colin LeJeune of the University of Illinois at Chicago joined Dr. Chap Kusimba for his ongoing work in Kenya. Pilar Escontrías of Northwestern University joined Dr. Ryan Williams for a season of fieldwork in Peru. Danielle Riebe joined Dr. William Parkinson in Greece to assist with his work on the Diros Project. Kirsten Madsen of the University of Chicago and Grace Apfeld of Rice University worked as collection management interns, working with Head Registrar Alan Francisco and Regenstein Collections Manager Chris Philipp, learning formal museum methods of cataloging, archival research, and collections care.

## **GRADUATE PROGRAMS**

### **University of Chicago – Committee on Evolutionary Biology (CEB)**

This Ph.D. program within Biological Sciences at the University of Chicago—a collaboration among the University, The Field Museum, Brookfield Zoo, Lincoln Park Zoo, and Argonne National Lab—has been training students in evolutionary biology for more than 40 years. Twenty-one Field Museum scientists are involved in CEB, comprising more a third of its faculty and supervising more than half of the program's Ph.D. candidates. Richard and Jill Chaifetz Associate Curator Shannon Hackett (Zoology/Birds) serves as Associate Chair of CEB. Field Museum curators currently serve as primary dissertation advisors for 16 CEB students (out of 30 total). 2012 marked the 7<sup>th</sup> year of support from a highly competitive Department of Education program to enhance the training of graduate students in evolutionary biology and conservation science.

### **University of Chicago – Organismal Biology and Anatomy (OBA)**

Mark Westneat, Curator of Zoology (Fishes), is adjunct faculty in OBA, where he teaches "Comparative Vertebrate Anatomy" and several graduate courses on biomechanics. Dr. Westneat is currently supervising four OBA dissertations, bringing to 13 the number of OBA students for whom he has served as major advisor; he has also served on 10 other OBA dissertation committees.

### **University of Illinois at Chicago/Field Museum Anthropology Ph.D. Program**

This program was established in 1995 in order to strengthen anthropology course offerings at UIC and enable the university to grant the Ph.D. in Anthropology, as well as to facilitate access by UIC faculty and students to Field Museum collections. Besides teaching on a regular basis at UIC, all of The Field Museum's anthropology curators are adjunct professors and members of the UIC graduate faculty, chairing Ph.D. committees, as well as serving on admissions committees, and on search and promotion

committees for teaching and faculty positions. A new feature of the program in 2011–12 were three jointly funded postdoctoral fellowships, all UIC graduates, who teach at UIC and conduct research under the mentorship of curators at the Museum. Field Museum curators collectively chaired nine doctoral committees in 2012. There are currently over 50 Ph.D. students in the program, and FM curators work with more than half of them in some capacity (as dissertation committee members, intern supervisors, or informal advisors for first-year students).

### **Northwestern University/Field Museum Program in Anthropology**

Formalized in Fall 2001, this program consolidated an emerging relationship between the Anthropology programs at The Field Museum and Northwestern University. Seven Field Museum anthropology curators have adjunct professor status at Northwestern, and engage in biannual teaching duties at the University, and select NU anthropologists have adjunct curator status at the Field. The Museum and Northwestern jointly fund a postdoctoral scientist in residence.

### **University of Illinois at Chicago – Ecology and Evolution Program**

This graduate-degree granting program within the Department of Biological Sciences at the University of Illinois at Chicago is a collaboration of the department's eight organismal biologists with nine curators at The Field Museum, as well as scientists from the Brookfield Zoo, the Morton Arboretum, and other area institutions. The collaboration grew out of joint interest in training international colleagues, and the program has hosted three MacArthur-sponsored programs for training in tropical conservation, as well as several NSF-funded PEET programs in Botany and Zoology. Seven students based in the Museum's Department of Zoology and three in Botany pursued their graduate studies under this program in 2012. In addition, the program welcomed its first undergraduate student, a bachelor's student, funded by the Brazilian government's "Science without Borders" program. MacArthur Curator Bruce Patterson (Zoology) serves as the institutional liaison.

### **Resident Graduate Students**

As the "Higher Education" section of this report demonstrates, graduate student advising, dissertation supervision, and university teaching are central to the academic mission of Collections & Research. Among the many doctoral students mentored by Field Museum curators is a core group of students whose work is squarely based in the Museum's collections and labs—our Resident Graduate Students. The students not only have curators on their dissertation committees, but also office space at the Museum, access to its facilities, and many of the same privileges as staff. In 2012 The Field Museum provided training in collections-based research to 54 Resident Students from the University of Chicago, the University of Illinois at Chicago, and Northwestern University, as well as universities beyond Chicago (see "Resident Graduate Students" section for details).

## **FIELD-BASED TRAINING FOR HIGH SCHOOL AND UNDERGRADUATES**

### **Stones and Bones: A Course in Paleontological Research and Field Work**

For the past eight summers Lance Grande (Senior Vice President and Head of Collections and Research) has taught a field course to a small group of advanced placement high school students, assisted by James Holstein and Akiko Shinya (Geology). The four-week course is run through the University of Chicago and The Field Museum and covers paleontological theory, method and practice, and includes an introduction to paleontology at the Museum, two weeks of hands-on field work in the mountain desert near Kemmerer, Wyoming, and a wrap-up week at the Museum focusing on preparation and collection management, and analysis of the collected material. In 2012, 17 students participated in the program. Past participants in the program have gone on to the paleontology program at Northern Illinois University, the archaeology programs at Loyola and Washington University at St. Louis, and the Museum Studies Masters' Program at Wesleyan, in addition to many students who have returned to the Museum as volunteers and interns.

### **Contisuyo Field School**

This Field Museum program introduces undergraduates to archaeological excavation and laboratory analysis techniques, at sites in southern Peru. The primary archaeological field site is a mountaintop Wari city (600–1000 AD). The field school operates in conjunction with the Contisuyo Museum in the southern department of Moquegua. The program is led by Associate Curator and Chair Ryan Williams and Adjunct Curator Donna Nash (both Anthropology), including faculty from the University of North Carolina-Greensboro, the University of Florida, and the Contisuyo Museum. Now in its sixth year, the program hosted nine undergraduates in 2012, six from UIC and three from UNCG.

### **Proyecto Arqueologico Norte Chico**

Directed by MacArthur Curator Jonathan Haas of Anthropology and Dr. Winifred Creamer, Adjunct Curator and Presidential Research Professor at Northern Illinois University, this project investigates the origins of Andean civilization in coastal Peru. The program has involved more than a dozen University of Illinois at Chicago graduate and undergraduate students since 1999, and has provided eight full fellowships to UIC graduate students since 2003. One UIC Ph.D. student, Matthew Piscitelli, is currently doing his dissertation on the role of religion in the emergence of complex societies in the Norte Chico region. Seven students at NIU have completed Master's theses based on excavated materials from the project.

## **INTERNATIONAL TRAINING AND CAPACITY-BUILDING**

### **Vahatra and advancement of Malagasy conservation biologists**

From 1993 to 2007 Steve Goodman (MacArthur Field Biologist, Dept. of Zoology) led a joint Field Museum-World Wildlife Fund (WWF) "Ecology Training Program" (ETP) in the biological sciences for Malagasy graduate students. In 2007, ETP evolved into Vahatra, a Malagasy-run NGO led by former ETP students who are now internationally-known field biologists in their own right, and faculty members at different Malagasy universities. Dr. Goodman is the Scientific Advisor for Vahatra, and serves as primary advisor or committee member for numerous students preparing Master's or Ph.D. degrees at the universities of Antananarivo, Mahajanga, Toliara (Madagascar); KwaZulu Natal (South Africa); and Paris and La Reunion (France). Between the ETP and Vahatra programs more than 400 Malagasy students have participated in field schools, and the program has yielded more than 600 scientific publications. Around 110 Malagasy students earned advanced degrees within the national university system in the fields of zoology and conservation biology, and many graduates have gone on to important posts in the non-government and government sectors on Madagascar and are advancing conservation programs there. Vahatra publishes a scientific journal known as *Malagasy Nature*, dedicated to the natural history of Madagascar and neighboring islands. Vahatra starting publishing a guide series to the biodiversity of Madagascar, with the first three books published in 2011, including bats (Goodman), small mammals (Soarimalala and Goodman), and endemic birds (Raherilalao and Goodman), and another in 2012 on Carnivora (Goodman)

### **Training Programs in Latin American Lichenology and Mycology**

Lichens are sensitive indicators of environmental health and, with their rich chemistry, also sources for pharmaceutically active compounds. Yet, especially in tropical regions, they are still poorly known. Since 2002, Collections Manager and Adjunct Curator Robert Lücking (Botany) has conducted training programs for Latin American lichenology and mycology students and professionals, including special courses at Universidad de Costa Rica, Universidad Peruana Cayetano Heredia Peru, Universidad Distrital Francisco Jose Caldas in Colombia, and at Las Cruces Biological Station in Costa Rica (sponsored by the Organization for Tropical Studies). In 2007 Robert launched an NSF-funded project that supported lichen workshops in 16 Latin American countries through 2012, covering tropical lichenology, quantitative field sampling methods, multivariate analysis of community data, and phylogenetic methods. As part of this program, in 2012 he held seven workshops in Colombia and Brazil, training some 80 students and early-career scientists. Over the span of the project, Robert led a total of 42 workshops for 452 participating



students and professionals, from 24 countries. The project also supported five Ph.D. thesis projects, one completed and two near completion, 11 Master's thesis projects, seven of which have been completed, and 34 undergraduate-level thesis projects, 17 of which have been completed. Several of the concluded thesis works led to Ph.D. projects by the successful candidates, both overseas and the US (e.g., Oregon State University, George Mason University in Virginia, University of Frankfurt in Germany, University of Barcelona). In addition, this year Robert also organized the second OTS lichen course, focusing on environmental health and bioindication, again at Las Cruces Biological Station in Costa Rica.

### **East Asian Lichenology and Mycology**

MacArthur Associate Curator and Chair Thorsten Lumbsch (Botany) continued the sixth year of his training program for students interested in Lichenology and Mycology in East Asia starting. He is currently collaborating with two working groups. In 2012 Dr. Lumbsch traveled to Thailand for the Meeting of the International Association for Lichenology and also for field trips in eastern Thailand with his collaborators. Thorsten is also hosting a postdoctoral scientist from Thailand, Sittiporn Parnmen, who is working on an NSF-funded project on the lichen family Graphidaceae.

### **Lichenology in East Africa**

Since 2009 Thorsten Lumbsch has conducted workshops on lichen taxonomy in Kenya, Uganda and Tanzania, led field trips in Kenya and Tanzania, and hosted graduate students from Kenya and Tanzania at the Museum. The program is a collaboration with the National Museums of Kenya, supported by the IDP Foundation, Inc. In 2012 Thorsten traveled to Kenya to collaborate on fieldwork with his student, Paul Kirika. Paul successfully finished his Master's Thesis at Moi University in 2012, and started his Ph.D. thesis, also supported by the IDP Foundation, Inc.

### **Mammalian Biodiversity in the Philippines**

For more than 25 years Curator Larry Heaney (Zoology/Mammals) has been training Filipino scientists on the documentation and conservation of vertebrate biodiversity in the Philippines—home to one of most unique and severely threatened biodiversity hotspots on earth. With funding from the Museum, the National Science Foundation, the MacArthur Foundation, and the Negaunee Foundation, Dr. Heaney has trained more than 80 young Filipino university biologists, park managers, and government officials, and has conducted many workshops and intensive courses at University of the Philippines—Los Baños and University of the Philippines main campus (Diliman). In 2012, the project provided advanced training in field research techniques and manuscript preparation to people from several government offices and universities, and a museum. Larry works extensively with the Wildlife Conservation Society of the Philippines, which he helped to establish in 1992, advising young biologists on research and career development, and chairs a WCSP committee of young biologists who provide recommendations to the Philippine government regarding endangered species. In 2012, he was invited to serve as an advisor to the National Museum of the Philippines on development of new research, collections, and training facilities taking place as part of a museum expansion program.

## **COLLECTIONS- AND LAB-BASED TRAINING AT THE FIELD MUSEUM**

### **NSF PEET projects**

The PEET program (Partnerships for the Enhancement of Expertise in Taxonomy), the National Science Foundation's response to ever-shrinking expertise in "whole organism" biology, made major grants to support intensive studies of "under-studied" organisms, with projects providing comprehensive training in collections-based, monographic studies for postdoctoral associates, graduate students, and undergraduate interns. The program funded five projects at The Field Museum since the late 1990s; the remaining PEET project still underway at FMNH is Associate Curator Petra Sierwald's large-scale millipede study "The Diplopoda: Research, Taxonomic Training and Computerization," which provided training for two postdocs, four Ph.D. students, two Masters' students, and over a dozen interns. Overall the project produced four professors, all now training their own undergraduate and graduate students, and

one Myriapod curator in Germany. The project also supported (and the Museum continues to support) millipede training and millipede research conducted by early-career millipede systematists in the Philippines, Brazil, Vietnam and Thailand.

### **Training in Molecular Analysis Techniques**

The Pritzker Laboratory for Molecular Systematics and Evolution is a multi-user Field Museum facility dedicated to the collection and analysis of genetic data on the evolutionary relationships among species. A. Watson Armour III Lab Manager Kevin Feldheim conducts training for new users in all phases of the data collection process, from DNA extraction to sequencing to analysis of the resulting data. During 2012 lab staff trained 35 new users, ranging from high school interns to Ph.D. students to international scientists, including visitors from Cuba, Peru, Ukraine, and Estonia. Study topics included toucans, malaria, Belding's ground squirrels, sawfish, sponges, liverworts, venomous fish, flowering plants, lichenized fungi and great white sharks.

## INTERNS, 2012

### **HIGH SCHOOL INTERNS**

#### **Department of Anthropology**

Maria Sabater (Hewitt School).

#### **Department of Botany**

Janet Morales (Lane Tech High School).

#### **Department of Geology**

Rebecca Friedlander (Adlai E. Stevenson High School); Evan Johnson-Ransom (Brother Rice High School); Niall Griffin (Glenbard West High School); William Buchman, Libby Dybal (Glenbrook North High School); Evelina Yarmit (Highland Park High School); Sarah Pipal (Lyons Township High School); Gabriel Ward (Randolph Upper School, Huntsville, AL).

#### **Department of Zoology**

Jenny Gray, Jamie Carthew, Gabriel Hast, Ben Hullinger, Walker Kettelkamp (Evanston Township High School); Elspeth Stewart (Home Schooled); Ellen Gieser, Malia Wenny (Illinois Math & Science Academy); Kathy Zhou (International School of Beijing High School); Christian Valderrama (J. F. Kennedy High School); Stacey Huynh (J. Sterling Morton East High School); Luke O'Connor (Jones College Prep); Charlotte Collins, Nathan Goldberg (Latin School of Chicago); Daniel Patterson (Lyons Township High School); Ethan Berman (Parker School); Ethan Gyllenhal, Jesse Kusimba (Oak Park High School); Charles Gregg (Proviso Mathematics and Science Academy); Katherine McDonnell (St. Francis High School); Andrew Fialkowski (St. Ignatius High School); Olivia Perozo, Catherine Zhou (University of Chicago Lab School); Darcae Holmes, Amber Richardson (VOISE Academy).

#### **Pritzker Laboratory for Molecular Systematics and Evolution**

Audrey Putman (Morgan Park Academy). Ellen Gieser (Illinois Math & Science Academy); Luke O'Connor (Jones College Prep); Jesse Kusimba (Oak Park High School); Catherine Zhou (University of Chicago Lab School).

### **UNDERGRADUATE STUDENT INTERNS**

#### **Department of Anthropology**

Kristin Swalchick (Arizona State University); Aiyana Moorhead (Boston University); Monica Rosenberger (Carthage College); Maura Condon, Jessica Jackson Brown, Marissa Rivera (DePaul University); Margaret Geoga (Harvard University); Sarah Carlson (Illinois Wesleyan University); Kelley Seifert (Iowa State University); Emily Gregg (Kenyon College); Peter Altaffer, Daniel Brunk, Teressa Peirona (Loyola University); Amanda Onalaja (New York University); Caroline Clay, Carly Johnston, Amanda Marolf, Jessica Pantel, Alexander Pirela (North Central College); Amanda Murphy, Amanda Respass (Northeastern University); Sarah Rivers (Northern Illinois University); Catherine Althaus, Amy Zillman (Northwestern University); Jamie Countryman (Oberlin College); Grace Apfeld (Rice University); Eileen O'Donnell (School of the Art Institute of Chicago); Holly Smith (Swarthmore College); Madeleine Schwartz (Tulane University); Hannah Koch, Anna Lindquist, Kirsten Madsen, Andrea Rummel, Alanna Warner (University of Chicago); Amaris Sturm (University of Delaware); Alice Bunch, Paula Makuch, Eva Martinez, Alexis Ochalla, Cassie Pontone, Barbara Posinger, Lindsey Proctor, Leona Quist, Allison Upton (University of Illinois at Chicago); Aidan Hercules, Meagan Thies (University of Iowa); Morgan Iddings, Katelyn Melloh (University of Notre Dame); Susan Jones (Wheaton College).

### **Department of Botany**

Sergio Garcia, Chelsea Franklin, Daniel O'Rourke, De Katie Roznai, Yarency Rodriguez, Elliot Gitter (DePaul University); Bradley Loomis (Green Mountain College); Qianyu Ying (Lake Forest College); Megan Vats (Loyola University); Michael Niezgoda (Michigan State University); Jared Lang, Anna Krembs, Lisa Murata, Oana Vadineanu, Zak Zillen (Northeastern Illinois University); Laura Bezler Shawna Bartnik, Kristina Lugo (Roosevelt University); Allie Stone (School of the Art Institute, Chicago); Emine Kochakova, Arista Tischner (University of Illinois at Chicago); Parth Shah (University of Illinois at Urbana-Champaign); Immanuel Stern (University of Wisconsin-Madison); Enrique Torres, Sherit Stovall (Wright College).

### **Department of Geology**

Diana Boudreau, Elizabeth Fisher, Spencer Hellert, Vernon Meidlinger-Chin (Augustana College); Sam Simon (Carnegie Mellon University); Christopher Boudreaux (Dartmouth College); Robert North (Northeastern Illinois University); Alex Layng (Northwestern University); Eleanor Albarran (Princeton University); Franco Gallastegui, Liam Heins, Spiro Sullivan, Maria Valdes (University of Chicago); Florence Lin (University of Illinois).

### **Department of Zoology**

Molly Fisher (Cornell University); Sara Zufan (DePaul University); Karolina Kutcha, Angelina Patti, Lynika Strozier, (Dominican University); Luke Campillo (Drake University); Sonia Leon (Elmhurst College); Emma Claire Mihevc (Georgia Tech University); Mark Swanson (Illinois Wesleyan University); Daniel Montgomery (Indiana State University); Ari Rice (Lawrence University); Stephanie Garcia, Iqra Mushtaq, Joy Peplinski, Caitlyn Schmid, Margaret Sladek, Alexandra Weber (Loyola University); Rachel Martiniak, Rachael McClellan, Sylvia Orellana, Michael Page, Sarah Wachowski (Northeastern Illinois University); Hannah Grooms, Natalie Lake, Andrew Pfeiffer, Allison Pope, Elizabeth Velazquez (Northwestern University); Danielle Wasserman (Purdue University); Aaron-Bereich Apilado, Athens Chen, Carlos Enriquez, Ariel Fang, Ellie Farmer, Jenny Farrell, Caroline Hanson, Elana Ryznar, Oliver Todd (School of the Art Institute of Chicago); Chris Ivanovich, Sydney Rosebraugh, Marianne Seneczko, Trevor Thompson (University of Chicago); Anthony Deczynski (University of Delaware); Arista Tischner (University of Illinois at Chicago); Thor Hansen, T. James Poulos (University of Illinois at Urbana-Champaign); Kyle David (University of Miami); Letitia Jacques (University of Montana).

### **Library**

Gina De Keersmaecker, Adam Frisch, Silvana Poole, Marisa Szpytman, Diane Strzelecki.

## **GRADUATE STUDENT INTERNS**

### **Department of Anthropology**

Ashley Jehle (Buffalo State College); Mary Cochrane (Columbia University); Amanda Wolf, (Northern Illinois University); Sara DiDomenico, Pilar Esconrías (Northwestern University); Jessica Jaffe (Tulane University); Charlotte Bossick (University of Bristol); Kristen Simmons, Emily Wilson, Lu Yao (University of Chicago); Colin LeJeune, Matthew Piscitelli, Danielle Riebe, (University of Illinois at Chicago).

### **Department of Geology**

Levke Kööp (University of Chicago).

### **Department of Zoology**

Martha Iserman, Meghan Rock (California State University-Monterey Bay).

## **TEACHER INTERNS**

### **Pritzker Laboratory for Molecular Systematics and Evolution**

Anna Simpson (Austin Polytechnical Academy); Tom Champion (Naperville North).

## RESIDENT GRADUATE STUDENTS, 2012

### **DEPARTMENT OF ANTHROPOLOGY**

Northern Illinois University  
Ashlee Craig

Northwestern University  
Pilar Escontrias

University of Chicago  
Edna Davion, Lu Yao

University of Illinois at Chicago  
Emily Baca, Gabriel Cantarutti, Sofia Chacaltana, Rebecca Deeb, Rory Dennison, John Hicks, Caleb Kestle, Colin LeJeune, James Meierhoff, Stephanie Moorman, Samantha Pietruszewski, Matthew Piscitelli, David Reid, William Ridge, Danielle Riebe, Rebecca Seifried, Doug Smit

### **DEPARTMENT OF BOTANY**

University of Illinois at Chicago  
Dawson White

University of Chicago  
Deren Eaton, Matthew Nelsen

Northwestern University  
Laura Briscoe

### **DEPARTMENT OF GEOLOGY**

University of Chicago  
Jonathan S. Mitchell

### **DEPARTMENT OF ZOOLOGY**

Charles Stuart University  
Raoul Davion

Northwestern University  
Sarah McVicar

University of Chicago  
Michael Alcorn, Nick Block, Rebecca Dikow, Shane DuBay, Victoria Flores, Justin Lemberg, Joanna Mandecki, Charlene McCord, Aaron Olsen, Daniela Palmer, Benjamin Rubin, Aaron Savit, Timothy Sosa, Thomas Stewart, Nathan Upham, Ben Winger, Max Winston

University of Illinois at Chicago  
Erika Arnold, Matthew Carson, David J. Clarke, Nicholas Crouch, Michael Jorgenson, Carrie Seltzer, John Wilk

University of Kansas  
Sarah Gibson

Chulalongkorn University, Thailand  
Chattraphas Pongchareon

## VOLUNTEERS, 2012

### **DEPARTMENT OF ANTHROPOLOGY**

Tanya Aceves, Janice Bell Kaye, Richard Bisbing, C. Thomas Brockmann, Tatsumi Brown, Kristin Buskirk, Ellis Caspary, Laura Chaillie, Lei-Lani Chan, Tiffany Charles, Magdalyne Christakis, Jillian Chlumsky, Sara Colaianni, Sarah Coleman, Gabriele Da Silva, Lauren Fahey, Nancy Feldman, Rebecca Gallagher, Peter Gayford, William Goldman, Vida Goldstein, Richard Guzik, Peggy Hoberg, Martina Hough, Jack MacDonald, Josephina Meleico, Daniel Melone, Courtney Miller, Lois Moeller, Robert Moeller, Claire Odland, Anelia Petrova, Niya Petrova, Cassie Pontone, Marissa Rivera, Sarah Rivers, Katherine Roberts, Dawn Russell, Esther Schechter, Monica Sentoff, Stephen Sentoff, Terri Sinnott, Lisa Stringer, Meagan Thies, Jean Vondriska, Edward Yastrow, Julia Young.

### **DEPARTMENT OF BOTANY**

Zorica Dabich (Bryology), Karen Engel (Bryology), Wyatt Gaswick (Mycology), Richard Hyerczyk (Mycology), Nancy Klaud (Scientific Illustration/Flowering Plants), Alice Piller (Mycology), Walter Reising (Data preparation/Digital imaging), Jill Riddell (Mycology), John Schmadeke (Flowering Plants), Andrew Schmitz (Bryology/Flowering Plants), Leon Shernoff (Mycology), Peter Sullivan (Flowering Plants).

### **DEPARTMENT OF GEOLOGY**

Jan Marie Aramini (Vertebrate Paleontology), Janice Beck (Vertebrate Paleontology), Kelly Bice (Vertebrate Paleontology), Irene Broede (Vertebrate Paleontology), Steven R. Clawson (Vertebrate Paleontology), Mary Sue Coates (Physical Geology), Larry Coronelli (Paleobotany), Elizabeth Dybal (Physical Geology), Cary Easterday (Invertebrate Paleontology), Mike Eklund (Vertebrate Paleontology), Rebecca Friedlander (Physical Geology), Stephen Gieser (Vertebrate Paleontology), Michael Hanson (Vertebrate Paleontology), Gerald Hough (Vertebrate Paleontology), Tom Kerstann (Vertebrate Paleontology), Dennis Kinzig (Vertebrate Paleontology), Joanne Kluga (Vertebrate Paleontology), John McConnell (Invertebrate Paleontology and Paleobotany), Elisabeth Meeker (Vertebrate Paleontology), Jacob Meyer (Vertebrate Paleontology), Brian Morrill (Vertebrate Paleontology), Timothy Nelson (Vertebrate Paleontology), Karen Nordquist (Vertebrate Paleontology), Mary Peters (Vertebrate Paleontology), Catherine Pries (Invertebrate Paleontology), Bob Rosenberg (Vertebrate Paleontology), Anne-Elizabeth Stone (Physical Geology), Samuel Sullivan (Vertebrate Paleontology), Karen Vendl (Physical Geology), Mark Vendl (Physical Geology), Ylanda Wilhite (Vertebrate Paleontology), Jack Wittry (Paleobotany and Invertebrate Paleontology), Kurt Zahnle (Vertebrate Paleontology), William Zandrew (Vertebrate Paleontology), Elaine Zeiger (Paleobotany), Steven Zitowsky (Vertebrate Paleontology).

### **DEPARTMENT OF ZOOLOGY**

Eric Ahlgren (Fishes), Bob Andrini (Birds), Marie Angkuw (Birds), Tom Anton (Amphibians and Reptiles), Nancy Bigelow (Insects), Richard Bloomfield (Insects), Helen C. Bonbrest (Invertebrates), Robert Boswell (Birds), Brendan Boyer (Insects), Joan Bruchman (Birds), Casey Buchanan (Birds), Renee Buecker (Insects), Peter Buol (Birds), Drew Carhart (Insects), Mei-Ling Chung (Invertebrates), Stephanie Clark (Invertebrates), Tracy Damitz (Mammals), Jameson Doody (Mammals), John Dorshorst (Insects), Thomas Durica (Insects), Marion Dunn (Fishes), Alison Ebert (Mammals), Ralph Eiseman (Birds), Glenn Gabanski (Birds), Dr. Arlene Ghiron (Insects), Matthew Girard (Fishes), Harvey Golden (Mammals), Joan Goldstein (Fishes), Richard Guzik (Invertebrates), Erin Hall (Mammals), Michael Hanson (Birds), Joanna Hosteny (Birds), Jeff Hoswell (Fishes), Gerry Hough (Insects), Graham Hoviland (Mammals), Lisa Hung (Insects), Herbert Hymen (Birds), Dr. James P. Kase (Insects), Kelsey Keaton (Insects), Ruth Keeru (Mammals), Arlene Koziol (Birds), Sara Kunkel (Birds), Daniel Le (Insects), Kahlee Leingang (Mammals), Deborah Leja (Insects), Thomas Lesh (Invertebrates), Joanne Levy (Amphibians and Reptiles), Gaetano

Marangelli (Birds), Teresa Mayfield (Amphibians and Reptiles), Steve Moore (Mammals), Susan Okey (Insects), Sylvana Peneff (Birds), Sheila Reynolds (Mammals), Alia Rezk (Mammals), Aspen Reese (Mammals), Lindsey Rowland (Birds), Joe Rowlett (Fishes), Meera Sethi (Birds), Elizabeth Simmons (Insects), Terri Sinnott (Fishes), Tracey Slade (Insects), Vicky Slania (Birds), Lauren Smith (Mammals), Rebecca Smith (Invertebrates), Michael Smoody (Amphibians and Reptiles), Dave Strecker (Insects), Diana Sudyka (Birds), Joshua Traub (Amphibians and Reptiles), Deo Tuyisingize (Mammals), Sandra Van Tilburg (Birds), Christina Vincent (Insects), Christine Vittoe (Invertebrates), Matthew Vrazo (Invertebrates), David Walker (Invertebrates), Robert Weiglein (Birds), Mary Wells (Mammals), Helen Wilson (Mammals), Amanda Zeigler (Birds).

#### **LIBRARY**

Patricia Barker, Christine Frazer, Elizabeth Giles Glenn, Aubrey Howard, Melissa Humphreys, Bernice Jacobs, Kristin Jacobsen, Barbara Palmer, Gwyn Smith, Hsi-Tsin Tsiang, Mary Valsa, Warren Valsa, Wendall Wilson.



## HONORARY APPOINTMENTS, 2012

### **DEPARTMENT OF ANTHROPOLOGY**

#### **Curators Emeritus**

Phillip Lewis, Ph.D., Primitive Art, Melanesian Ethnology  
Bennet Bronson, Ph.D., Asian Archaeology and Ethnology

#### **Adjunct Curators**

Elizabeth Abrams, Ph.D., Biomedical Anthropology  
Dean E. Arnold, Ph.D., Mesoamerican and South American Archaeology and Ethnology  
Brian Bauer, Ph.D., Andean Archaeology  
Deborah Bekken, Ph.D., East Asian Archaeology and Zooarchaeology  
James A. Brown, Ph.D., North American Archaeology  
Winifred Creamer, Ph.D., Archaeology of the Americans  
Antonio Curet, Ph.D., Circum-Caribbean Anthropology  
Molly Doane, Ph.D., Sociocultural Anthropology  
Timothy Earle, Ph.D., Archaeology of Complex Societies  
Mark Hauser, Ph.D., Historical Archaeology and Archaeology of African Diasporas  
Mitch Hendrickson, Ph.D., Southeast Asian Archaeology  
Chuimei Ho, Ph.D., East and Southeast Asian Art and Archaeology  
Paul Hockings, Ph.D., Southern Asia Social Anthropology  
Katherine Hoffman, Ph.D., Linguistic and Sociocultural Anthropology  
Matthew Johnson, Ph.D., Archaeology of Britain and Europe  
Laura Junker, Ph.D., Complex Societies, Maritime Trade, and Ceramic Production  
Lawrence H. Keeley, Ph.D., Europe and North American Paleolithic Archaeology  
Waud Kracke, Ph.D., Social Anthropology, Psychoanalysis, Dreams  
Sibel Barut Kusimba, Ph.D., African Archaeology  
Christopher W. Kuzawa, Ph.D., Health, Human Growth and Development  
Vincent LaMotta, Ph.D., Bioarchaeology, American Southwest Archaeology  
William Leonard, Ph.D., Biological Anthropology  
Mark Lietchty, Ph.D., Anthropology and History  
Thomas McDade, Ph.D., Human Biology  
John Monaghan, Ph.D., Anthropology and History, Religion  
Donna Nash, Ph.D., Andean Archaeology  
Linda Nicholas, M.A., Mesoamerican Archaeology  
Joel Palka, Ph.D., Mesoamerican Archaeology  
Crystal Patil, Ph.D., Global Health  
James L. Phillips, Ph.D., Old World Prehistory, Stone Tools  
Jack H. Prost, Ph.D., Physical Anthropology and Primate Behavior  
Gayatri Reddy, Ph.D., Cultural, Gender Anthropology  
Helen Robbins, Ph.D., Repatriation  
Cynthia Robin, Ph.D., Archaeology, Social Organization  
Helen B. Schwartzman, Ph.D., Psychological Anthropology  
Sylvia Vatuk, Ph.D., Cultural, Gender, and Urban Anthropology, India  
Mary J. Weismantel, Ph.D., Cultural Anthropology, Food, Adoption  
Sloan Williams, Ph.D., South American Bioarchaeology

#### **Research Associates**

Kathleen Adams, Ph.D., Sociology  
Babunte Agbaje-Williams, Ph.D., African Anthropology  
Philip J. Arnold, III, Ph.D., Mesoamerican Archaeology, Craft Production and Ethnoarchaeology

Sylvia Astalis, Ph.D., Evolutionary Anthropology  
Richard Blanton, Ph.D., Mesoamerican Archaeology  
Jane E. Buikstra, Ph.D., Skeletal Biology, Paleopathology, Paleodemography, Forensic Anthropology  
Maria Cattell, Ph.D., Anthropology and Gender, Age  
Raymond Codrington, Ph.D., Cultural Anthropology  
Michael David Colvard, DDS, Medical Anthropology  
William J. Conklin, Ph.D., Peruvian Anthropology  
Nicole Couture, Ph.D., Latin America  
Susan deFrance, Ph.D., Zooarchaeology, Andean Archaeology  
Paul R. Duffy, Ph.D., Emergent Social Inequality, Bronze Age Europe  
Christine Dunford, Ph.D., Ecology, Cultural Anthropology  
Ronald K. Faulseit, Jr., Ph.D., Mesoamerican Archaeology  
David Goldstein Ph. D., South American Anthropology  
Ruth Gomborg-Munoz, Ph.D., Political and Economic Anthropology  
Anne. L. Grauer, Ph.D., Physical Anthropology, Skeletal Biology, North America  
Augustin Ferdinand Charles Holl, Ph.D., West African Prehistory, African-American Archaeology  
John Janusek, Ph.D., Andean Archaeology  
Carolyn Schiller Johnson, Ph.D., Ethnomusicology  
James Ketelaar, Ph.D., East Asian History  
Sharon Lewis Peniston, Ph.D., Urban anthropology, Kinship structures, U.S. and Caribbean  
Maria C. Lozada, Ph.D., Peruvian Archaeology  
Edward F. Maher, Ph. D., Ancient Eastern Mediterranean, Zooarchaeology  
Maxine E. McBrinn, Ph. D., Southwestern Archaeology  
Donald E. McVicker, Ph.D., Mesoamerican Archaeology  
Michael E. Moseley, Ph.D., South American Archaeology  
Rahul Oka, Ph.D., African Anthropology  
Nikos Papadopoulos, Ph.D., Applied Geophysics and Remote Sensing  
Nadine Ruth Peacock, Ph.D., Biological Anthropology, Africa  
William Pestle, Ph.D., Biological Anthropology  
Mario Rivera, Ph.D., Andean Archaeology  
Robert L. Rotenberg, Ph.D., Cultural Anthropology  
Apostolos Sarris, Ph.D., Applied Geophysics and Remote Sensing  
Esther Schechter, Ph.D., New Guinea Research Program  
Nicola Sharratt, Ph.D., Andean Archaeology  
Fred H. Smith, Ph.D., Physical Anthropology  
Charles Stanish, Ph.D., Andean Anthropology  
Gil J. Stein, Ph.D., Near Eastern Archaeology  
Ann L.W. Stodder, Ph.D., Bioarchaeology, Oceania  
Emily Stovel, Ph.D., Andean Anthropology  
Mary Thieme, M.A., Mesoamerican Archaeology  
Zhu Tiequan, Ph.D., Asian Anthropology  
Russell Tuttle, Ph.D., Biological Anthropology  
Kevin Vaughn, Ph. D., Andean Anthropology  
Benjamin Vining, Ph.D., Andean Archaeology  
Jonathan Walz, Ph.D., African Archaeology  
Ronald Weber, Ph.D., Amazon Basin and Northwest Coast Archaeology and Ethnology  
William Whitehead, Ph.D., Andean Anthropology  
Cyril Wilson, Ph.D., Environmental Geography  
Karen Wilson, Ph.D., Art and Archaeology of the Ancient Near East  
Richard W. Yerkes, Ph.D., European and Mediterranean Archaeology

**Associates**

Daniel Brinkmeier, M.A., South America, Applied Anthropology, Outreach  
Connie Crane, B.A., North American Ethnology  
Peter Gayford, B.A., African Archaeology and Ethnology  
Jack M. MacDonald, M.S., Oceania  
Claire Odland, M.A., African and South American Textiles  
Lisa Stringer, M.A., Archaeology  
Edward Yastrow, B.A., Human Origins

**DEPARTMENT OF BOTANY****Curators Emeritus**

William Burger, Ph.D., Flowering Plants  
Michael O. Dillon, Ph.D., Flowering Plants  
John J. Engel, Ph.D., Bryology

**Adjunct Curators**

William A. Alverson, Ph.D., Flowering Plants  
Peter G. Avis, Ph.D., Mycology  
Robin B. Foster, Ph.D., Flowering Plants  
Sabine Huhndorf, Ph.D., Mycology  
Patrick Leacock, Ph.D., Mycology  
Robert Lücking, Ph.D., Lichenology  
Gary L. Smith Merrill, Ph.D., Bryology  
Matt von Konrat, Ph.D., Bryology/Pteridophytes

**Visiting Curator**

Fred R. Barrie, Ph.D., Flowering Plants

**Research Associates**

Carrie J. Andrew, Ph.D., Mycology  
Peter Avis, Ph.D., Mycology  
Daniel Ballhorn, Ph.D., Lichenology  
John E. Braggins, Ph.D., Bryophytes  
Julieta Carranza, Ph.D., Mycology  
Ana Crespo, Ph.D., Lichenology  
Eve Emshwiller, Ph.D., Ethnobotany  
Fernando A. Fernandez, Ph.D., Mycology  
Jesús Garcia Jiminez., Biol., Mycology  
Nancy Garwood, Ph.D., Flowering Plants  
David S. Glenny, Ph.D., Bryology  
Luis D. Gómez, Ph.D., Mycology  
James G. Graham, Ph.D., Flowering Plants  
J. Kelly Gravier, Ph.D., Mycology  
Matthew Greif, Ph.D., Mycology  
Nancy Hensold, Ph.D., Flowering Plants  
Patrick Herendeen, Ph.D., Flowering Plants  
Andrew Hipp, Ph.D., Flowering Plants  
Sara Hoot, Ph.D., Flowering Plants  
Michael Huft, Ph.D., Flowering Plants  
Richard Hyerczyk, B.S., Lichenology  
Boris Igic, Ph.D., Flowering Plants

Wei Jiang-Chun, Ph.D., Mycology  
Marian R. Kadushin, Ph.D., Flowering Plants  
Jason Koontz, Ph.D., Flowering Plants  
Thomas G. Lammers, Ph.D., Flowering Plants  
Jorgé Gómez Laurito, B.S., Flowering Plants  
Segundo Leiva González, Ph.D., Flowering Plants  
David Lentz, Ph.D., Flowering Plants  
Blanca Leon, Ph.D., Pteridology  
David P. Lewis, M.S., Mycology  
Richard A. Lupia, Ph.D., Paleobotany  
James Luteyn, Ph.D., Flowering Plants  
François M. Lutzoni, Ph.D., Lichenology  
Maria de Milagro Mata Hidalgo, Mycology  
Susana A. Magallón-Puebla, Ph.D., Paleobotany  
Roberta Mason-Gamer, Ph.D., Flowering Plants  
Rogers McVaugh, Ph.D., Flowering Plants  
Maria Ines Messuti, Ph.D., Mycology  
Andrew Miller, Ph.D., Mycology  
Gregory M. Mueller, Ph.D., Mycology  
Michael Nee, Ph.D., Flowering Plants  
Cirilo Nelson, Ph.D., Flowering Plants  
Lorin I. Nevling, Jr., Ph.D., Flowering Plants  
Khwanruan Papong, Ph.D., Lichenology  
Linda Prince, Ph.D., Flowering Plants  
Kathleen Pryer, Ph.D., Pteridology  
Victor Quipuscoa Silvestre, Ph.D., Flowering Plants  
James Rastorfer, Ph.D., Bryology  
Jacinto C. Regalado, Jr., Ph.D., Flowering Plants  
Isidoro Sanchez Vega, Ph.D., Flowering Plants  
Imke Schmitt, Ph.D., Lichenology  
Rudolf M. Schuster, Ph.D., Bryology  
Alan R. Smith, Ph.D., Pteridology  
D. Doel Soejarto, Ph.D., Flowering Plants  
Tod F. Stuessy, Ph.D., Flowering Plants  
Jun Wen, Ph.D., Flowering Plants  
Norman Wickett, Ph.D., Bryology  
Evelyn Williams, Ph.D., Flowering Plants  
Andrew Wilson, Ph.D., Mycology  
Kenneth Young, Ph.D., Flowering Plants  
Nyree Zerega, Ph.D., Flowering Plants

**Field Associates**

Sandra Knapp, Ph.D., Flowering Plants  
Antonio Molina R., Ing. Agr., Flowering Plants

**Associates**

Anders Hagborg, B.S., Bryology  
Joanna McCaffrey, M.S., Collections Digitization  
Betty Strack, M.S., Mycology  
Gayle Tonkovich, M.S., Flowering Plants

## DEPARTMENT OF GEOLOGY

### **Curators Emeritus**

John R. Bolt, Ph.D., Fossil Amphibians and Reptiles  
Matthew H. Nitecki, Ph.D., Fossil Invertebrates  
Bertram G. Woodland, Ph.D., Petrology

### **Adjunct Curators**

Ian Glasspool, Ph.D., Paleobotany  
Paul P. Sipiera, Ph. D., Meteoritics

### **Research Associates**

William L. Abler, Ph.D., Fossil Vertebrates  
Edgar Allin, Ph.D., Fossil Vertebrates  
Gloria Arratia, Ph.D., Fossil Fishes  
Allison L. Beck, Ph.D., Fossil Vertebrates  
William Bemis, Ph.D., Fossil Vertebrates  
Daniel B. Blake, Ph. D., Fossil Invertebrates  
C. Kevin Boyce, Ph.D., Paleobotany  
Christopher A. Brochu, Ph.D., Fossil Vertebrates  
Greg Buckley, Ph.D., Fossil Vertebrates  
Andrew Campbell, Ph.D., Meteoritics  
Matthew T. Carrano, Ph.D. Fossil Vertebrates  
Julia A. Clarke, Ph.D., Fossil Vertebrates  
Robert Clayton, Ph.D., Meteoritics/Geochemistry  
Michael Ivor Coates, Ph.D., Fossil Fishes  
Peter R. Crane, Ph.D., Paleobotany  
Darin A. Croft, Ph.D., Fossil Vertebrates  
Nicolas Dauphas, Ph.D., Cosmochemistry  
Andrew Davis, Ph.D., Meteoritics/Geochemistry  
David Kenneth Elliott, Ph.D., Fossil Vertebrates  
Greg Erickson, Ph.D., Fossil Vertebrates  
Daniel Fisher, Ph.D., Fossil Invertebrates  
John Flynn, Ph.D., Fossil Mammals  
Michael Foote, Ph.D., Fossil Invertebrates  
Catherine Forster, Ph.D., Fossil Vertebrates  
Nadia B. Fröbisch, Ph.D., Fossil Vertebrates  
Gary Galbreath, Ph.D., Fossil Vertebrates  
Terry Allen (Bucky) Gates, Ph.D., Fossil Vertebrates  
Timothy Gaudin, Ph.D., Fossil Mammals  
Paul M. Gignac, Ph.D., Fossil Vertebrates  
Terry Grande, Ph.D., Fossil Fishes  
Gerald Grellet-Tinner, Ph.D., Dinosaurs  
Lawrence Grossman, Ph.D., Meteoritics  
Thomas Guensburg, Ph.D., Fossil Invertebrates  
William Hammer, Ph.D., Fossil Reptiles  
Eric Hilton, Ph.D., Fishes  
James Hopson, Ph.D., Fossil Vertebrates  
David Jablonski, Ph.D., Fossil Invertebrates  
Christine Janis, Ph.D., Fossil Mammals/other verts.  
Harry J. Jerison, Ph.D., Fossil Vertebrates  
Christian F. Kammerer, Fossil Vertebrates  
David Krause, Ph.D., Fossil Vertebrates

Daniel Ksepka, Ph.D., Fossil Vertebrates  
Michael LaBarbera, Ph.D., Fossil Invertebrates  
Riccardo Levi-Setti, Ph.D., Fossil Invertebrates  
R. Eric Lombard, Ph.D., Fossil Vertebrates  
Ernest Lundelius, Ph.D., Fossil Mammals  
Zhe-Xi Luo, Ph.D., Fossil Vertebrates  
Jennifer C. McElwain, Ph.D., Paleobotany  
Frank McKinney, Ph.D., Fossil Invertebrates  
Doris Nitecki, Fossil Invertebrates  
Philip M. Novack-Gottshall, Ph.D., Fossil Invertebrates  
Lynn K. Nyhart, Ph.D., Fossil Invertebrates/History of Biology  
J. Michael Parrish, Ph.D., Fossil Reptiles  
Roy E. Plotnick, Ph.D., Fossil Invertebrates  
Robert R. Reisz, Ph.D., Fossil Reptiles  
Frank M. Richter, Ph.D., Meteoritics  
Ray Rogers, Ph.D., Sedimentology  
Rudyard W. Sadleir, Ph. D., Fossil Vertebrates  
Birger Schmitz, Ph.D., Meteoritics  
Paul Sereno, Ph.D., Fossil Reptiles  
Neil H. Shubin, Ph.D. Fossil Vertebrates  
Christian A. Sidor, Ph.D., Fossil Vertebrates  
Nathan D. Smith, Ph.D., Fossil Vertebrates  
Thomas Stephan, Ph.D., Meteoritics  
Neil C. Sturchio, Ph.D., Meteoritics  
Stuart S. Sumida, Ph.D., Fossil Vertebrates  
Stephen R. Sutton, Ph.D., Meteoritics  
Alfred Traverse, Ph.D., Fossil Plants/Paleopalynology  
Meenakshi Wadhwa, Ph.D., Meteoritics  
Mark Webster, Ph.D., Fossil Invertebrates  
Robin Whatley, Ph.D., Fossil Vertebrates  
André Wyss, Ph.D., Fossil Mammals  
Lindsay E. Zanno, Ph.D., Fossil Vertebrates

**Associate**

Marlene Hill Donnelly, B.S., A.A., Scientific Illustration

**DEPARTMENT OF ZOOLOGY**

**Curators Emeritus**

Robert F. Inger, Ph.D., Amphibians and Reptiles  
Alfred F. Newton, Ph.D., Insects  
Harold K. Voris, Ph.D., Amphibians and Reptiles

**Field Associates**

Tom Anton, M.A., Midwestern Amphibians and Reptiles  
Sherif Baha El Din, M.S., Herpetology of Egypt  
Barbara Becker, M.A., Zoology Research  
Somchai Bussarawit, B.S., Marine Biology  
Tanya Chan-ard, M.S., Forest Biology and Herpetology  
Merel J. Cox, M.S., Geology, Snakes of Thailand  
Leif Davenport, Mammals of Burundi  
Susan Davis, M.S., Neotropical Birds

Terrence C. Demos, M.Sc., African Small Mammals  
Steve Fratello, Guyanan Butterflies  
Bruce Hayward, Ph.D., African Mammals  
Nina R. Ingle, Ph.D., Philippine Mammals and Conservation  
Djoko T. Iskandar, Ph.D., Genetic and Systematics of Amphibians  
Maklarin Lakim, Research Officer  
Vachira Lheknim, Ph.D., Fish of Thailand  
Ruben I. Madriz, B.S., Insects Cryogenic Collections  
Kelvin Lim Kok Peng, Amphibians and Reptiles  
Antonio Machado-Allison, Ph.D., South American Fishes  
David Matusik, Lepidoptera Taxonomy  
Gregory Mayer, Ph.D., Organismic and Evolutionary Biology  
Nicholas Ntare, B.Sc., Albertine Rift Mammals  
Manuel A. Plenge, Peruvian Bird Distribution  
Brett Scheffers, Ph.D., Amphibians of Borneo and the Philippines  
Blas Tabaranza, M.S., Philippine Mammals  
Jamie Thomerson, Ph.D., Central and South American Fishes  
Ruth Uzzurum, Ph.D., Philippine Mammals

### **Research Associates**

Michael Alfaro, Ph.D., Molecular Systematics  
David Angulo, M.S., Computer Technology and Databases  
Anchalee Aowphol, Ph.D., Ecology and Population Genetics  
Mary Ashley, Ph.D., Conservation Genetics  
Wirt Atmar, Ph.D., Diversity and Community Structure  
Danny Balete, M.S., Philippine Mammals and Conservation  
Rosemary Barraclough, Ph.D., Blood Bird Parasites  
Jason E. Bond, Ph.D., Systematics of Diplopoda and Araneae  
Rauri Bowie, Ph.D., African Bird Systematics  
John Cadle, Ph.D., Herpetology  
Angelo Capparella, Ph.D., Evolution of Neotropical Birds  
Jose Maria Cardoso da Silva, Ph.D., Amazonian Birds  
Barry Chernoff, Ph.D., South American Fishes/Conservation  
Stephanie Clark, Ph.D., Land and Freshwater Gastropods  
Dale Clayton, Ph.D., Host/Parasite Coevolution  
Melissa Cogan-Morales, Ph.D., Bat Morphology  
Timothy Collins, Ph.D., Molecular Evolution of Mollusks  
Norbert Cordeiro, Ph.D., Ecology of African Birds  
Joel Cracraft, Ph.D., Avian Systematics and Evolutionary Biology  
Kevin S. Cummings, Ph.D., Freshwater Bivalves  
Marian Dagosto, Ph.D., Primates  
Carl W. Dick, Ph.D., Systematics of Streblidae (Diptera)/Host-Parasite Biology  
Arvin Diesmos, M.S., Philippine Amphibians  
Katharina Dittmar, Ph.D., D.V.M. Bat – Bat Fly Coevolution  
Michael L. Draney, Ph.D., Systematics of Linyphiidae (Araneae)  
Amy Driskell, Ph.D., Evolution of Birds and Bioinformatics  
Brian Dyer, Ph.D., Biomechanics  
Jacob Esselstyn, Ph.D., Asian and African Mammals  
John Fitzpatrick, Ph.D., Evolutionary Ecology and Biogeography of Neotropical Birds  
Timothy Gaudin, Ph.D., Edentates  
Daniel Gebo, Ph.D., Primates  
Cynthia Gerstner, Ph.D., South American Armored Catfishes  
Gonzalo Giribet, Ph.D., Marine Mollusks

Jaqueline Goerck, Ph.D., Conservation in Brazil  
 Paul Z. Goldstein, Ph.D., Systematics of Lepidoptera  
 Joel Greenberg, Ph.D., Chicago Natural History  
 Justin R. Grubich, Ph.D., Coral Reefs and Biomechanics  
 Melina Hale, Ph.D., Biomechanics  
 John Harshman, Ph.D., Systematics of Birds  
 Malcolm Hast, Ph.D., Mammalian Vocal Apparatus  
 John M. Healy, Ph.D., Marine Mollusks  
 Jacques Hill, Ph.D., Southeast Asian Herpetology  
 Michael S. Horn, Ph.D., Computer Science  
 Rainer Hutterer, Ph.D., Mammalian Insectivores  
 Bruce C. Jayne, Ph.D., Marine and Estuarine Snakes  
 William B. Jefferies, Ph.D., Coevolution and Symbiosis in Crustaceans  
 Zifeng Jiang, Ph.D., Genomics of Emerging Pathogens  
 Ulf Johanson, Ph.D., Himalayan Bird Ecology  
 Kevin Johnson, Ph.D., Systematics and Evolution of Birds  
 Christian Kammerer, B.S., Deep Sea Fishes  
 Daryl Karns, Ph.D., Herpetology and Community Ecology  
 Douglas Kelt, Ph.D., South American Mammals  
 David H. Kistner, Ph.D., Systematics of Staphylinidae Associated with Ants and Termites  
 James Koepl, Ph.D., Statistical Properties of Animal Populations  
 Michael LaBarbera, Ph.D., Biomechanics  
 Michael Lannoo, Ph.D., Amphibian Conservation Biology  
 Lucinda Lawson, Ph.D., Frog Systematics  
 Edgar Lehr, Ph.D., Neotropical Herpetology  
 Peter E. Lowther, Ph.D., Field Museum Nest and Egg Collection  
 Vimoksalehi Lukoschek, Ph.D., Marine and Estuarine Snakes  
 Jessie Maisano, Ph.D., Skeletal Morphology of Squamates  
 Luisa Marcelino-Backman, Ph.D., Corals  
 Christopher J. Marshall, Ph.D., Systematics of Coleoptera  
 Sean Menke, Ph.D., Evolutionary Ecology of Formicidae (Hymenoptera)  
 Peter Meserve, Ph.D., Population Ecology of Mammals  
 Paula M. Mikkelsen, Ph.D., Marine Mollusks  
 John C. Murphy, M.S., Herpetology  
 Charles Nadler, M.D., Sciuridae  
 John O'Neill, Ph.D., Neotropical Birds  
 Link Olson, Ph.D., Malagasy Mammals  
 Perry Ong, Philippine Mammals  
 Jennifer Osterhage, Ph.D., Molecular Biology and Genetics  
 Victor Pacheco, M.A., Peruvian Mammals  
 Somsak Panha, Ph.D., Land Gastropods of Southeast Asia  
 Ronald Panzer, Ph.D., Invertebrate Conservation  
 Stewart B. Peck, Ph.D., Systematics of Coleoptera  
 Richard E. Petit, Marine Gastropods  
 Paulo Petry, Ph.D., South American Fishes  
 Ronald Pine, Ph.D., Taxonomy of South American Mammals  
 James Pokines, Ph.D., Taphonomy-Archeology of Mammal Bones  
 Jan Johan ter Poorten, Ph.D., Cardiidae Taxonomy  
 Trevor Price, Ph.D., Ecology and Evolution of Asian Warblers  
 Stephen Pruett-Jones, Ph.D., Behavior and Ecology of Birds  
 George B. Rabb, Ph.D., Taxonomy of Salamanders, Phylogeny of Snakes  
 Timothy Rawlings, Ph.D., Marine Mollusks  
 Justine Ray, Ph.D., Central African Mammals



Matthew Ravosa, Ph.D., Primates  
Sushma Reddy, Ph.D., Asian Biogeography and Phylogenetics  
Scott Robinson, Ph.D., Neotropical Birds  
Callum Ross, Ph.D., Biomechanics  
Luis Ruedas, Ph.D., Southeast Asian Mammals  
Jennifer Fessler Salazar, Ph.D., Butterflyfish Phylogenetics and Biogeography  
Victor Sanchez-Cordero, Ph.D., Mexican Mammals  
Noé U. de la Sancha, Ph.D., Paraguayan Mammals  
André Sartori, Ph.D., Marine Bivalves  
Thomas Schulenberg, Ph.D., Neotropical Birds  
Jodi Sedlock, Ph.D., Bat Ecology  
Sergio Solari, M.S., Mammals of Peru  
Alexey Y. Solodovnikov, Ph.D., Systematics of Staphylinidae (Coleoptera)  
Scott Steppan, Ph.D., Rodent Evolution  
Bill Strausberger, Ph.D., Cowbirds  
Bryan L. Stuart, Ph.D., Herpetology  
Robert Stuebing, M.S., Malaysian Ecology  
Natalia K. Taft, Ph.D., Biomechanics  
Tan Fui Lian, Amphibians and Reptiles of Borneo  
José Tello, Ph.D., Evolution and Diversification of Birds  
Kumthorn Thirakhupt, Ph.D., Southeast Asian Herpetology  
Vinton Thompson, Ph.D., Systematics of Hemiptera  
Robert Timm, Ph.D., New World Mammals  
David E. Vaughn, Ph.D., Coral Reefs  
Paúl Velazco, Ph.D., Neotropical Mammals  
Gary Voelker, Ph.D., Bird Systematics  
Bruce Walsh, Ph.D., Systematics of Lepidoptera  
Joseph Walsh, Ph.D., Mammalian Systematics  
Paul W. Webala, Ph.D., Kenyan Bats  
Jason Weir, Ph.D., Evolution and Diversification of Birds  
Fred F. Wells, Ph.D., Marine Mollusks  
Kevin White, Ph.D., Genomics of Emerging Pathogens  
Chris Yahnke, Ph.D., Neotropical Mammals  
Andrew Yang, Ph.D., Systematics of Formicidae (Hymenoptera)  
Anne Yoder, Ph.D., Primate Evolution  
John Yunker, Ph.D., Mammals of the Chicago Area

### **Associates**

Michael Brattain., B.S., Coleoptera  
Matt Bonnan, Ph.D., Vertebrate Paleontology  
Daniel A. Brinkmeier, B.F.A., M.Sc., Education and Outreach  
Barbara Brown, B.A., Primates  
Lauren E. Brown, Ph.D., Herpetology of Midwestern U.S.  
Thomas M. Butynski, Ph.D., African Primates  
Sidney Camras, M.D., Systematics of Conopidae (Diptera)  
Arvin C. Diesmos, M.S., Philippines Amphibians  
Barbara A. Harney, M.S., Mammal Ecology  
Rubin Madriz, B.S., Cryogenics  
N. Aldrin D. Mallari, M.S., Philippines Conservation  
Peggy Macnamara, Artist  
Clara Richardson, M.S., Scientific Illustrator  
Nina Sandlin, B.A., Taxonomy of Linyphiidae (Araneae)  
Daniel A. Summers, M.S., M.B.A., Insects Collections

Maria Josefa Veluz, M.S., Philippine Mammals

John A. Wagner, Ph.D., Systematics of Staphylinidae: Pselaphinae (Coleoptera)

## **LIBRARY**

### **Associates**

Paul Brinkman, Ph.D., Library

Ken Grabowski, M.S, Library

**COLLECTION STATISTICS, 2012**  
**Collection Size and Growth**

	2011 Number of Specimens	2012 Number of Specimens	2011-2012 growth
<b><u>DEPARTMENT OF ANTHROPOLOGY</u></b>			
Africa	109,036	109,139	103
Europe	37,560	37,560	0
Asia	94,860	95,062	202
South America	54,885	54,886	1
Central & Middle America	28,389	31,680	3,291
North America	664,855	664,894	39
Pacific	59,165	59,194	29
Osteological Collection	31,791	31,793	2
<b>Subtotal</b>	<b>1,080,541</b>	<b>1,084,208</b>	<b>3,667</b>
<b><u>DEPARTMENT OF BOTANY</u></b>			
Algae	78,142	78,142	0
Bryophytes	249,324	289,120	39,796
Ferns	181,338	181,432	94
Fungi (including lichens)	206,508	209,807	3,299
Seed Plants	2,158,933	2,161,132	2,199
<b>Subtotal</b>	<b>2,874,245</b>	<b>2,919,633</b>	<b>45,388</b>
<b><u>DEPARTMENT OF GEOLOGY</u></b>			
Physical Geology	54,930	56,196	1,266
Invertebrate Paleontology	322,852	322,985	133
Paleobotany	88,830	97,204	8,374
Vertebrate Paleontology	82,579	83,468	889
<b>Subtotal</b>	<b>549,191</b>	<b>559,853</b>	<b>10,662</b>
<b><u>DEPARTMENT OF ZOOLOGY</u></b>			
Amphibians and Reptiles	294,372	296,564	2,192
Birds	500,641	504,429	3,788
Fishes	1,912,770	1,915,674	2,904
Insects	12,509,735	12,594,735	85,000
Invertebrates	4,641,706	4,676,504	34,798
Mammals	214,918	219,778	4,860
<b>Subtotal</b>	<b>20,074,142</b>	<b>20,207,684</b>	<b>133,542</b>
<b>TOTAL SPECIMENS</b>	<b>24,578,119</b>	<b>24,771,378</b>	<b>193,259</b>

COLLECTION STATISTICS, 2012

Outgoing Loans from Field Museum Collections

	Number of Loans	Number of Specimens
<b><u>DEPARTMENT OF ANTHROPOLOGY</u></b>	10	103
<b>Subtotal</b>	<b>10</b>	<b>103</b>
<b><u>DEPARTMENT OF BOTANY</u></b>		
Algae	0	0
Bryophytes	6	205
Ferns	3	537
Fungi (including lichens)	14	591
Seed Plants	51	8,718
<b>Subtotal</b>	<b>74</b>	<b>10,051</b>
<b><u>DEPARTMENT OF GEOLOGY</u></b>		
Physical Geology	21	37
Invertebrate Paleontology	14	184
Paleobotany	8	3,757
Vertebrate Paleontology	38	293
<b>Subtotal</b>	<b>81</b>	<b>4,271</b>
<b><u>DEPARTMENT OF ZOOLOGY</u></b>		
Amphibians and Reptiles	83	2,285
Birds	129	3,207
Fishes	32	1,814
Insects	93	29,258
Invertebrates	25	4,337
Mammals	57	1,602
<b>Subtotal</b>	<b>419</b>	<b>42,503</b>
<b>TOTAL</b>	<b>584</b>	<b>56,928</b>

COLLECTION STATISTICS, 2012

**Incoming Loans from Other Institutions or Parties**

	<b>Number of Loans</b>	<b>Number of Specimens</b>
<b><u>DEPARTMENT OF ANTHROPOLOGY</u></b>	0	0
<b>Subtotal</b>	<b>0</b>	<b>0</b>
<b><u>DEPARTMENT OF BOTANY</u></b>		
Algae	0	0
Bryophytes	16	276
Ferns	0	0
Fungi (including lichens)	28	934
Seed Plants	9	911
<b>Subtotal</b>	<b>53</b>	<b>2,121</b>
<b><u>DEPARTMENT OF GEOLOGY</u></b>		
Physical Geology	2	2
Invertebrate Paleontology	1	2
Paleobotany	1	25
Vertebrate Paleontology	n/a	n/a
<b>Subtotal</b>	<b>4</b>	<b>29</b>
<b><u>DEPARTMENT OF ZOOLOGY</u></b>		
Amphibians and Reptiles	41	383
Birds	10	186
Fishes	11	589
Insects	21	9,078
Invertebrates	5	66
Mammals	16	328
<b>Subtotal</b>	<b>104</b>	<b>10,630</b>
<b>TOTALS</b>	<b>161</b>	<b>12,780</b>

**COLLECTION STATISTICS, 2012**

**Use of Collections by Visitors**

	<b><u>Scientific Visitors</u></b>		<b><u>Classes</u></b>		<b><u>Public Outreach</u></b>	
	<b>Total Visitors</b>	<b>Total Visitor Days</b>	<b>Total Classes</b>	<b>Total Students</b>	<b>Total Tours</b>	<b>Total Visitors</b>
 <b><u>ANTHROPOLOGY</u></b>						
<b>Subtotal</b>	<b>89</b>	<b>170</b>	<b>2</b>	<b>28</b>	<b>181</b>	<b>1,330</b>
 <b><u>BOTANY</u></b>						
Algae	0	0	0	0	0	0
Bryophytes	11	82	1	15	0	0
Fungi (including lichens)	5	217	0	0	0	0
General Herbarium	11	11	11	158	10	77
Seed Plants	44	86	0	0	0	0
<b>Subtotal</b>	<b>71</b>	<b>396</b>	<b>12</b>	<b>173</b>	<b>10</b>	<b>77</b>
 <b><u>GEOLOGY</u></b>						
Physical Geology	22	23	0	0	1	3
Invertebrate Paleo	21	48	1	2	1	3
Paleobotany	17	17	0	0	8	93
Vertebrate Paleo	52	141	2	33	3	23
<b>Subtotal</b>	<b>112</b>	<b>229</b>	<b>3</b>	<b>35</b>	<b>13</b>	<b>122</b>
 <b><u>ZOOLOGY</u></b>						
Amphib./Reptiles	54	475	10	245	64	435
Birds	36	355	27	380	319	3,220
Fishes	73	151	27	788	69	626
Insects	47	145	11	251	27	83
Invertebrates	13	23	0	0	10	70
Mammals	210	617	98	1,625	457	1,926
<b>Subtotal</b>	<b>433</b>	<b>1,766</b>	<b>173</b>	<b>3,289</b>	<b>946</b>	<b>6,360</b>
 <b>TOTALS</b>	 <b>705</b>	 <b>2,561</b>	 <b>190</b>	 <b>3,525</b>	 <b>1,150</b>	 <b>7,889</b>

**LIBRARY STATISTICS, 2012**

**Monographs/Serial Acquisitions**

<b>Monograph Purchase</b>	<b>Monograph Exchange</b>	<b>Serial Subscriptions</b>	<b>Serial Exchange</b>	<b>Gift</b>
172	72	277	1,118	207

**Cataloging Stats**

	<b>New Records</b>	<b>Record Updates</b>	<b>Images</b>
General Collection	1,642	540	0
Rare Book Collection	283	0	0
Photo Archives	4,807	9,028	17,612

**Collection Use**

	<b>Museum</b>	<b>Public/External Requests</b>	<b>Biodiversity Heritage Library Scanning</b>
General Collection	596	47	43
Rare Book Room	28	6	
Archives	166	84	
Photo Archives	106	123	
Interlibrary Loan	94	486	

## **BIODIVERSITY SYNTHESIS CENTER, 2012**

The Encyclopedia of Life (EOL) serves as an open-access online reference and database for information on every named species. The EOL is used as both a teaching and a learning tool; helping scientists, educators, students, and the community at large gain a better understanding of biodiversity and evolution. By 2013, EOL aims to 1) generate one million species pages, each containing content verified by scientific experts, 2) digitize a large portion of the core biodiversity literature, 3) generate educational materials for students, schools and universities, and citizen scientists, and 4) use EOL page content and cross-linkages as a resource to generate new synthetic knowledge about the world's biodiversity.

The project, funded by the MacArthur and Sloan Foundations, brings together several of the world's leading natural history institutions, including the Smithsonian Institution, The Field Museum, Harvard University, the Marine Biological Laboratory, the Missouri Botanical Garden, and the Biodiversity Heritage Library consortium. EOL's core activities are led by five working groups: Species Sites (led by Cynthia Simms-Parr, SI), Biodiversity Informatics (led by Nathan Wilson, MBL), Scanning and Digitization (led by Tom Garnett, BHL), Education and Outreach (led by Marie Studer, Harvard) and Biodiversity Synthesis (led by Mark Westneat, FM).

The Biodiversity Synthesis Center's mission is to increase the pace of scientific discovery about biodiversity, conservation, and the evolution of life. BioSynC serves as a liaison between the international scientific community and EOL. BioSynC helps to recruit EOL involvement within the scientific community and organizes and hosts "Synthesis Meetings" bringing together experts in systematics, conservation, informatics, and programming to generate data, applications, and visualizations that will promote biodiversity research, education, and conservation.

In 2012, BioSynC hosted five synthesis meetings, strengthening the scientific profile of EOL and The Field Museum in the international scientific community. To date, synthesis meetings represent the most significant avenue for the internationalization of EOL, involving more than 1,200 participants from 45 countries. Synthesis meetings produce scientific content for EOL, new software and tools for EOL, scientific publications, and major grant proposals, among other things.

This year, BioSynC staff were awarded more than \$130,000 in new grants and contributed to innovative digital learning programs in the Museum, including WhyReef and Conservation Connection. WhyReef (collaboration with FM Education) produced a simulated coral reef in the virtual world Whyville.net and reached more than 150,000 unique users in its target age group: 8–16 year olds. WhyReef teaches kids about marine biodiversity and conservation.



## FIELDIANA, 2012

*Fieldiana* is a peer-reviewed monographic series published by the Field Museum of Natural History. *Fieldiana* focuses on mid-length monographs and scientific papers pertaining to collections and research at Field Museum. The two series pertain to subject matter in the fields of Anthropology and Botany, Geology, and Zoology. Curators, research associates, full-time scientific support staff, full-time paid postdoctoral fellows, graduate students of Field Museum curators, and fellowship awardees may submit manuscripts for publication in *Fieldiana*.

This year, *Fieldiana* published two volumes in our 8.5 x 11 inch format with a total of 224 pages. Associate Curator of Zoology Janet Voight led the editorial staff for the third year as Managing Scientific Editor, supported by MacArthur Curator Jonathan Haas and Curator Gary Feinman as co-Associate Editors of *Fieldiana Anthropology* and, as Associate Editors for *Fieldiana Life and Earth Sciences*, Botany Department Chair and MacArthur Associate Curator Thorsten Lumbsch, Rowe Family Curator of Evolutionary Biology Olivier Rieppel (Geology) and Associate Curator of Zoology Margaret Thayer. Library Technical Assistant Michael Trombley continued as Editorial Assistant for *Fieldiana*. Michael's knowledge of journal distribution, gained through his work with the Library, has streamlined distribution and invoicing for current volumes and reflects the overall deepening of the relationship between *Fieldiana* and the Library. Michael also handles sales of past volumes.

Field Museum Librarian Christine Giannoni continues to provide critical insight to the *Fieldiana* Editorial Board and we share part of the revenue *Fieldiana* earns through its electronic distribution via BioOne with the Library. In addition, because The Field Museum is considered a publisher on BioOne, the library receives a discount that allows Museum access to this online resource. *Fieldiana Life and Earth Sciences* and *Fieldiana Anthropology* are available on BioOne (<http://www.bioone.org/action/showPublisher?code=fmnh>); *Fieldiana Anthropology* debuted on JSTOR (<http://www.jstor.org/action/showPublication?journalCode=fieldianaanthro>) in November 2011 and currently all issues related to Anthropology published by The Field Museum since 1895 are available at that site. JSTOR, like BioOne, offers online access to institutions, and soon to individuals, of the journals it archives. JSTOR, being more familiar to the Anthropology audience, will increase the visibility of the journal.

*Fieldiana Life and Earth Sciences* will publish its next volume in mid-February 2013. The 65 page-long opus, by M. J. Ghedotti and M. P. Davis, reports a morphological study and phylogenetic analysis that reconstructs the history of North American fishes of the topminnows and killifishes to reveal how differences among them in salinity tolerance evolved.

*Fieldiana Anthropology* will publish Volume 43 by Summer 2013. This report of Gary Feinman and Linda Nicholas' decades of archeological research in the Valley of Oaxaca and the Ejutla Valley in Mexico's Southern Highlands. This exceptionally long and data-rich volume reviews the settlement patterns in the valleys from a diachronic macroscale perspective.

### ***Fieldiana: Life and Earth Sciences***

Lombard, R.E., J. Anderson, M. Ruta, and S. S. Sumida, eds. (2012). Studies in vertebrate paleobiology – Essays in honor of John R. Bolt. Vol. 5. Publication Number 1562. 148 + xvi pp.

Patterson, B. D. and P. W. Webala (2012). Keys to the bats (Mammalia: Chiroptera) of East Africa. Vol. 6. Publication Number 1563. 60 pp.

## LIBRARY, 2012

The mission of The Field Museum Library is to build, organize and maintain for use the research collections essential to the Museum's scientific, educational and exhibition programs. Since its creation in 1894 at the Museum's founding, the Library's holdings have grown to incorporate specialized books and journals in the main library, as well as the special collections of the Museum archives, photo archives and the rare book room. The strengths of the Library collections closely parallel the strengths of the Museum's scientific collections in the fields of Anthropology, Botany, Geology, Paleontology and Zoology.

In 2012, the Marie Louise Rosenthal Library at The Field Museum continued to focus on the critical tasks of improving access to collections, the preservation of materials and effective management of the collection. Library Staff and select volunteers continued to provide reference services to museum staff, students, associates and volunteers in the Library's main Reading Room. As the Library is also open to members of the general public, those individuals working at the reference desk also assist local students and other visiting researchers with their requests.

While the Library subscribes to over 250 domestic and foreign journals, the principal means of acquiring foreign journals remains our exchange program through which the Library receives over 900 serials and monographs from museums, societies, academies, and other organizations worldwide. Exchange partners receive in return one or more of the Museum's Fieldiana scientific series, *Fieldiana: Anthropology* or *Fieldiana: Life and Earth Sciences*. The Library also provides access to thousands of titles via subscriptions to electronic databases such as BioOne and Academic Search Premier.

The Library continues to be an active participant in interlibrary loan services between other university and research libraries worldwide. We fulfill over 1,000 loan requests annually for monographs or select journal articles from publications held at the Library.

The Library has, since 2005, been undertaking the process of converting our paper card catalog into electronic records. In 2012, the cataloger completed the cleanup of the Field collection (works donated by Museum President Stanley Field, 1875–1964) and began cleanup of the World's Columbian Exposition collection. As part of a project to evaluate a backlog of uncataloged materials, staff reviewed 408 titles, of which 228 were cataloged and added to the collections.

In 2007, The Field Museum Library joined as a participating member of the Biodiversity Heritage Library (BHL). The Library continues to make important contributions to this initiative via digitization and other staff support. The Museum Librarian was invited to Cape Town, South Africa as part of a delegation of BHL Librarians working to create a BHL Africa node.

The Library Photo Archives continued to fulfill both "in-house" and external requests for images for use in exhibitions, publications and documentaries. At the same time, digitization activities continued in the Photo Archives with over 1,246 glass and film negatives being scanned, catalogued and digitally conserved in 2012. The original negatives have been re-housed in acid-free enclosures and placed in a climate controlled collections space.

The Museum Archives, which functions as the official repository of much of the Museum's historical records and documents, continued to support the research needs of staff and external researchers. The Archives received over 60 linear feet of new material in 2012, including the records of the Exhibitions Department, the Education Department, and Public Relations. Interns and volunteers under the Archivist's direction also completed finding aid indexes for Museum Taxidermist Leon Pray, Botany Curator Rolf Singer, and Birds Curator Rudyerd Boulton. The Archivist and volunteers also undertook a small digital scanning project to reproduce archival materials for a Canadian First Nations Cultural organization.

Library staff continue to be active in supporting student activities, from hosting Library Science and History interns to granting interviews and providing tours. Both interns and volunteers play an important role in Library activities, assisting in cataloging, circulation and digitization projects.

## **PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION, 2012**

The Pritzker Laboratory for Molecular Systematics and Evolution was named in recognition of generous support from The Pritzker Foundation. The Pritzker Lab is a Field Museum multi-user core facility whose mission is the collection and analysis of genetic data. The majority of the data collected are DNA sequences. The main sources of specimens used in the laboratory are the frozen tissue collections of The Field Museum's Zoology and Botany Departments, although herbarium and traditional museum skins are also used. DNA sequence data are desirable for many reasons in evolutionary studies. Chief among these is the fact that DNA sequences are composed of only four nucleotide bases, resulting in data that are, in some analytical respects, very simple. Another extremely useful property of DNA sequence data is the high level of comparability across species and across studies. Together, these properties mean that DNA sequence data can be used to investigate diverse questions at all levels in the biological hierarchy: questions about individuals, populations, species, and even phyla and kingdoms.

In addition to DNA sequence data, the lab had several ongoing projects employing fragment analysis. For example, microsatellite DNA data are being used to examine mating systems of sand tiger sharks, the evolution of brood parasitism in cowbirds, and the population genetics of smalltooth sawfish.

The primary activity of lab users is the collection and analysis of genetic data for inferring the evolutionary, or phylogenetic, relationships among species. This knowledge of phylogenetic relationships is fundamental to understanding organismal evolution and the origins of biological diversity. Patterns of phylogenetic relationships among species can be used to trace evolutionary changes and provide insights to the biological and geological histories of geographic regions. Another focus of lab research involves characterizing the amount of genetic variation within and among populations. These data can be used to help guide conservation efforts, and to study the processes driving evolution, such as mate choice.

The majority of lab users are Field Museum curators, their graduate students from the University of Chicago and the University of Illinois at Chicago, and their post-doctoral researchers. As it does every year, the lab had many international visitors in 2012. This year, we had visitors from Cuba, Peru, Ukraine, and Estonia. Each of these visitors was trained in the proper methods for collecting genetic data for their various projects. In 2012, we trained 35 national and international scientists to collect genetic data on a wide variety of organisms including great white sharks, lichenized fungi, toucans, malaria, Belding's ground squirrels, sawfish, sponges, liverworts, venomous fish, and flowering plants. The many areas of inquiry pursued by these researchers include coevolution of parasites and hosts, the evolution of life history traits, rates of evolutionary change, biogeography, conservation, sexual selection, speciation, and natural selection at the molecular level. More than 100 new and continuing projects used the DNA sequencing facilities in 2012.

This past year was the fourth full year that our exhibit, the *Daniel F. and Ada L. Rice DNA Discovery Center*, was open to the public. This exhibit puts a public face on the Pritzker lab. In the exhibit space, visitors have an opportunity to witness DNA research in action and speak directly with scientists about their work in our "Talk to the Scientist Hour." In addition, visitors can explore hands-on interactives, videos, and engaging displays that provide information on the basics of DNA and offer a behind-the-scenes look at the incredible diversity of the Museum's collections. In conjunction with this exhibit, the Pritzker Lab hosted the fifth installment of the DNA residency program. This program brought four high school students and two high school biology teachers into the Museum's Pritzker Lab for a six-week course. As part of this course, they were trained in genetic techniques, including DNA extraction, polymerase chain reaction (PCR), and DNA sequencing. One group collected data for Dr. Shannon Hackett's emerging pathogens project, another group collected data for Dr. Kevin Feldheim's study on the conservation genetics of smalltooth sawfish.

The Pritzker Lab is a non-departmental unit of Collections and Research supervised by a Management Committee. It is available for use by the curators and staff members of the Museum, their collaborators and students. All users of the lab are responsible for designing, performing and financing their own lab work. We welcome additional collaborations with new institutions and researchers. For more information on specific research projects, please see the web pages of the Pritzker Lab: <http://fieldmuseum.org/explore/department/pritzkerlab>; or the individual pages of committee that manages the facility: John Bates (Zoology); Thorsten Lumbsch (Botany); Shannon Hackett (Zoology); Rick Ree (Botany); Leo Smith (Zoology); Corrie Moreau (Zoology); and Kevin Feldheim (Pritzker Lab).

## **SCANNING ELECTRON MICROSCOPE LABORATORY, 2012**

The Field Museum's two scanning electron microscopes (SEMs) are invaluable research tools for examining fine surface details of three-dimensional objects and specimens from the Museum's collections. The capability of viewing objects at very low magnifications as well as high magnifications (over 100,000 times life-size) is one of the special features of our SEMs. Images obtained from the scanning electron microscope achieve higher resolution and higher magnification than those observed with light microscopy, and the SEM images also provide 300 times more depth-of-field than those obtained with conventional light microscopy.

In addition to imaging, the variable pressure LEO (Carl Zeiss) EVO Scanning Electron Microscope is equipped with an Oxford Instruments INCA Energy Dispersive Spectroscopy (EDS) system that performs nondestructive major and minor elemental analysis of a variety of objects. This SEM was installed in April 2004 and has an extra large chamber for viewing sizeable specimens and objects. The LEO (Zeiss) SEM with the Oxford EDS was generously funded by an anonymous donor and is part of the Museum's Elemental Analysis Facility.

The SEM Lab also has an Amray 1810 SEM that has been upgraded with a PC having a digital imaging capturing system. The Amray SEM is an excellent tool for very low magnification in addition to high magnification work, examination without destructive methods (e.g. uncoated specimens), and a large range of specimen movement and positioning. Specimen preparation instruments include a Denton Vacuum Desk IV Sputter Coater for coating non-conductive specimens with a thin layer of gold and a Balzers Critical Point Dryer for drying soft tissue.

The SEM Laboratory is a multi-user research facility used by researchers and students in The Field Museum's Departments of Anthropology, Botany, Geology, and Zoology. The laboratory is managed by Betty Strack. The SEM committee is currently chaired by Rüdiger Bieler (Zoology). The other SEM committee members are Philipp Heck (Geology), Larry Heaney (Zoology), Ryan Williams (Anthropology), Rick Ree (Botany), and Betty Strack (SEM Lab). 31 curators, graduate students (mostly from the University of Chicago and the University of Illinois at Chicago), undergraduate interns, professional staff, research associates, and international visiting/collaborating scientists from Collections and Research used the SEMs in 2012. The staff, students, and collaborating scientists that had research projects include: Danny Balete, João Paulo Barbosa, Rüdiger Bieler, J.P. Brown, Anthony Deczynski, Jake Esselstyn, Franco Gallastegui, Ian Glasspool, Larry Heaney, Philipp Heck, Patrick Herendeen, James Holstein, Levke Koop, Nan Liu, Zhiwei Liu, Matthias Meier, Iqra Mushtaq, Anh Duc Nguyen, Andria Niedzielski, Lisa Niziolek, Olena Peregrym, Rick Ree, Petra Sierwald, Bill Stanley, Sid Staubach, Margaret Thayer, Reto Trappilsch, Janet Voight, Matt von Konrat, Alexandra Westrich, and Andy Wilson.

In 2012, the SEM continues to be an important component of many new and continuing research projects. Topics of these projects and specimens/objects studied include:

- Meteorites: presolar stardust and solar system materials (included elemental analysis)
- 13<sup>th</sup> century Chinese ceramics from Java Sea Wreck (included elemental analysis)
- Fossil and extant plants
- Morphology of bivalves and gastropods
- Millipede morphology atlas
- Morphology of rove beetles
- New shrew from Congo
- Philippine mammal teeth and skulls – bats and rodents
- Dinosaur tooth enamel microstructure

## SCHOLARSHIP COMMITTEE, 2012

During 2012 the Scholarship Committee awarded 23 visiting scholarships, two fellowships, eight REU (Research Experiences for Undergraduates) internships and 11 high school and undergraduate internships in all four Collections & Research departments.

Visiting scientists came from around the globe, including Australia, Brazil, Canada, Colombia, Germany, Hong Kong, Italy, Peru, Sri Lanka, Sweden, Thailand, the United Kingdom and Vietnam as well as the U.S.

The Scholarship Committee is currently chaired by Associate Curator Petra Sierwald (Zoology/Insects). Research Assistant Stephanie Ware (Zoology/Insects) serves as Committee Administrative Assistant. The representatives are Regenstein Curator John Terrell (Anthropology), Collections Manager & Adjunct Curator Robert Lücking (Botany), Robert A. Pritzker Assistant Curator Philipp Heck (Geology) and MacArthur Curator Bruce Patterson (Zoology).

### Scholarships, Fellowships, and Internships Awarded in 2012

**Lester Armour Family Graduate Fellowship** (for outstanding graduate students to pursue advanced studies in one of the scientific departments at the museum): Nathan Upham.

**Women's Board "Women in Science" Fellowship** (for exceptional women Ph.D. candidates in the natural sciences): Charlene Buxman.

**Thomas J. Dee** scholars (for research and academic fellowships with priority given to younger, less established research workers): Fredeliza Zamora Campos, James Christopher Lamsdell, John M. Leavengood, Philip John Piper, Katherine Szabó, Laurie D. Webster, George (Buz) D.F. Wilson and Sara Yeung.

The Borg-Warner **Robert O. Bass** Visiting Scientist scholars (research opportunities for distinguished national and foreign scientists to use our collections and library holdings): Nguyen Duc Anh, Charles D. Bell, Thiago Vernaschi Vieira da Costa, Sarah Z. Gibson, Hai Minh Howard Michael Huynh, Gunther Köhler, Caleb McMahan, Matthias M. M. Meier and Alejandro Otero.

**Karl P. Schmidt** scholars (for the training of young scientists who desire to study at The Field Museum): João Paulo Peixoto Pena Barbosa, Kevyn Gammie, Natali Edith Hurtado Miranda, Khwanruan Papong and David Antonio Sánchez.

**Research Experiences for Undergraduates** (educational opportunity for students in the biological sciences to interact with scientists dedicated to the study of organic diversity): Anthony Deczynski, Franco Gallastegui, Jennie Lee, Florence Lin, Bradley Loomis, Daniel Montgomery, Iqra Mushtaq and Arista Tischner.

**Undergraduate Internships** (work experience whereby an undergraduate or recent graduate gains hands-on training in his/her field of expertise for one or more semesters): Stephanie M. Garcia and Mark Swanson.

**High School Internships**: Niall Griffin, Charles Griggs, Stacey Huynh, Evan Johnson-Ransom, Katherine McDonnell, Janet Morales, Sarah Pipal, Christian Valderrama and Evelina Yarmit.