



The Field
Museum

Collections & Research

Annual Report
for 2010

**THE FIELD MUSEUM
2010 ANNUAL REPORT TO THE
BOARD OF TRUSTEES**

COLLECTIONS AND RESEARCH

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- This Report Printed on Recycled Paper -

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COLLECTIONS AND RESEARCH – 2010 ANNUAL REPORT

At some point virtually all of my colleagues in C&R have occasion to give tours of our laboratories and research collections to an array of visitors—students, donors, new trustees, government officials, and assorted friends and neighbors. The reaction is invariably the same: wide-eyed wonder and comments to the effect, “I had no idea all this was up here.” The research being conducted at The Field Museum, and the rows of collections that seem to go on forever, are no surprise to our scientific colleagues, our members (who flock behind the scenes in the thousands each year on Members’ Nights), and most of our key supporters. But to the rest of the public, including the vast majority of Chicago-area residents, our scientific activities and resources remain largely unknown—as we often remark, The Field Museum’s “best-kept secret.” It is at once understandable, and a shame. Understandable, because our most visible aspect to the public are our exhibits, only some of which highlight Field Museum research. A shame, because there are so many compelling stories within C&R, tales of exploration and discovery, dramatic advances in scientific knowledge, and mysteries of the natural world being unlocked. The challenge is how to get more of our stories told to the greater public, by better exploiting existing channels of communication, and creating new ones. We want our world-class science to be available to more than just our fans; we want it to permeate K-12 classrooms, blogs, dinner table conversation, and water cooler banter.

Our stories are fascinating enough to warrant such interest. As I write this we have paleontologists unpacking from dinosaur excavations in Antarctica, a botanist just returned from collecting mosses and liverworts in Tierra Del Fuego, and an archaeologist reviewing the data from his dig in Kenya; meanwhile, another botanist is off collecting lichens in Thailand, a team of zoologists is heading for O’Hare for a field trip to Malawi, and flights are being booked and logistics planned for expeditions to Fiji, Chile, Madagascar, Tanzania and other far-flung locales later in the year. Every few weeks one scientist or another returns from fieldwork with new species of plants and animals, and exciting finds about ancient cultures—as well as “tales of the field”: work halted by torrential rains and earthquakes, narrow misses with armed rebels, cancelled flights because of civil rioting, kidnappings, pursuit by bandits, and of course malaria, intestinal worms, shark bites, and unusual local cuisine. Stories like these have the sense of adventure that people associate with scientific expeditions, as well as the allure of exotic or rugged locales, and we can capitalize on that.

With the sense of adventure comes the thrill of discovery—an ancient burial site in Mexico, a tiny mouse in the Philippines, a previously unknown dinosaur precursor from Tanzania. Our scientists described almost 200 species new to science between January 2010 and the present, bringing to over 1,000 the number of “new” organisms identified in the 20 years we have been keeping track. Each one adds another branch of detail to the tree of life, just as the chemistry of a newly-fallen meteorite yields fresh information about the history of our solar system, and the excavation of a long-buried community reveals how people lived during the reign of China’s first emperor. Each organism and object has a story to tell. One of our biggest stories of the year was the announcement in *Nature* of a new dinosaur relative by Geology’s Ken Angielczyk and a team of international colleagues. The find, touted as the “earliest dinosaur relative,” was covered by the BBC, National Geographic, *London Times*, MSNBC, *the Telegraph*, *USA Today* and many more outlets.

Still other stories don’t emanate directly from field discoveries but from our labs—from analyzing DNA, or simply from crunching data. Early in 2010 Kevin Feldheim of our Pritzker Lab co-authored a paper documenting for the first time that some female sharks are capable of producing multiple, viable offspring through parthenogenesis—that is, requiring no “contribution” from a male. The phenomenon had been observed before, but in those cases the pups did not survive. Kevin and colleagues documented two cases in which the offspring survived for more than five years. The story was picked up by *Science Daily*, *USA Today*, *Washington Post*, NBC, Discovery.com, and many more media and internet sources. Later in the year Anthropology Curator Bob Martin and colleagues used statistical modeling to propose that, among other things, the evolutionary divergence of humans from our closest primate relatives likely

occurred about 8 million years ago rather than the 5 to 6 million year estimate usually given by scientists. The team's novel approach used statistics to fill in gaps in the fossil record, and the revised estimate will enable scientists to better interpret the history of human evolution—for example, the fossil *Sahelanthropus tchadensis* discovered in 2001, which eluded consensus on its classification (its human features did not seem to square with its 7 million-year-old age), makes more sense in light of this study. This story was featured by *U.S. News and World Report*, *Science Daily*, and many U.S. and European science web sites. Philipp Heck, who joined us in 2010 as Robert A. Pritzker Assistant Curator of Meteoritics and Polar Studies, is using the Museum's Scanning Electron Microscope and various spectrographic equipment at the University of Chicago to study interstellar dust gathered by NASA's Stardust space mission, looking for clues to the formation of the solar system and even, perhaps, the origins of life on earth. Philipp's research has been featured by WTTW-11, *Science Daily*, *Science* magazine, *Astronomy* magazine's *Astronomy Now Online*, and countless science and astronomy web sites and blogs.

Many more such revelations emanate from (and are awaiting discovery in) our research collections—a vast vault of stories ripe for the telling. Total objects and specimens in Field Museum collections surpassed 24.4 million in 2010. Among the nearly 79,000 specimens we added during the year were several pieces of the Mifflin meteorite, which thousands of people saw streak across the Chicago sky before it fell in Wisconsin in April of 2010; a painted bunting collected in the Loop after it collided with a building—likely only the second record of this southern bird in northern Illinois; a nativity scene by well-known artisan Irma Garcia Blanco, donated by a collector for the *Nacimientos* exhibit; and a new species of carnivorous dinosaur from the early Cretaceous of Utah.

More important than exciting new acquisitions, of course, are the uses these collections are put to. From these collections come many of the Field Museum research stories mentioned above, and more: what was that decorative paste on that Bronze Age pottery made from? What can DNA data tell us about the diversity of mouse lemurs across Madagascar? How hard did the carnivorous dinosaur *Deinonychus* bite? In pursuit of questions like these, Field Museum scientists build our collections, and draw on them (and vast associated data, from field notes to GIS data to DNA sequences) to produce over 200 academic publications a year. But our millions of specimens hold the key to thousands more scientific questions for researchers beyond the Museum. Over 2,800 scientific visitors conducted research in our collections in 2010, and another 1,000 students came through as part of classes. And for those who could not make it to Chicago, we have our loan program, loaning around 50,000 specimens to other institutions in a typical year. Our collections also lie at the heart of hundreds if not thousands of studies in the broader scientific literature. To take just one example: The *International Union for Conservation of Nature (keepers of the endangered species "Red List")* spearheaded a study in 2010 on "The Impact of Conservation on the Status of the World's Vertebrates" that appeared in *Science Express* (the on-line version of the journal *Science*). Over 25,000 species were assessed by the study's 174 authors, with both sobering and heartening results: one-fifth of all vertebrate species are threatened (and the number is growing), but many species have had their status upgraded as a direct result of conservation action. This is the sort of research that relies on natural history collections for fundamental data, and not surprisingly, many of this project's species assessments relied heavily on Field Museum specimens and data.

And each of our 24.4 millions specimens holds limitless data for such stories of discovery, whether in their DNA, chemical traces left by their travels, the tiny features of bones, even their parasites. Field Museum specimens are instrumental in setting conservation priorities, refining evolutionary trees, documenting the pace of political change in ancient societies, clarifying interrelationships among species of related organisms, unlocking the mysteries of mating habits and parentage, and more. Each publication emanating from these collections is a piece of new knowledge about the world we live in—a new story.

We have other collections to boast of as well. In 2010 Collections & Research welcomed the Library back into the division. The Field Museum Library houses 275,000 volumes and an array of scientific journals, as well as a photo archive of more than 250,000 images, the Runnells Rare Book Room, and the

Museum's institutional archive. The photo archive has images dating back to the founding of the Museum, glass negatives from late 19th century expeditions, long-forgotten exhibits from our original building in Hyde Park, records of visiting dignitaries, progress photos on exhibits installations. The Rare Book Room preserves a wealth of science lore and beautiful natural history plates dating to the 1400s: the only known copy of *A Natural History of English Songbirds* from 1737, a pristine copy of Haeckel's *Kunstformen der Natur*, several editions of Buffon's *Histoire naturelle* in various languages, John James Audubon's journal, letters from Charles Darwin to Illinois' first State Entomologist, and more. In these two climate-controlled rooms alone, there are hundreds of thousands of stories of science, art, and history.

We are constantly working to make those collections more accessible to the world—to more broadly share their data, and tell their stories. The Library, for example, is working to get its more unique works digitized and available on line via the Biodiversity Heritage Library Project. Eventually images of every rare book will be accessible to anyone with a computer. The BHL works with partner institutions using specialized book scanning facilities at the Smithsonian to scan one-of-a-kind or hard-to-find publications so they can be accessed via the web. To date 25 unique publications housed in the Field Museum Library have been requested by outside users and will be scanned as part of the project. Similarly, in 2010 the Mellon Foundation awarded a grant of \$136,000 to the Botany Department to support the Museum's contributions to the Global Plants Initiative (GPI), a collaborative effort of major herbaria around the world to create a "virtual herbarium" of type specimens and other important collections. Thanks to photographic gear and staff funded by this and two previous Mellon grants, The Field Museum is becoming a regional center for imaging by partner GPI herbaria. This landmark effort is already making these important specimens more widely available to researchers and the public. Also in 2010 the Zoology Department received a major (\$2.8 million) NSF infrastructure improvement grant that will create an Insect Systematics Research & Training Unit, including a fully compactORIZED Insect collection, as well as separate Mollusk and Invertebrates Research & Training Units, providing long-desired expansion space for these collections. But this is more than just expanded storage: the project will also create a suite of Collaborative Invertebrates Laboratories, including a Morphological Analysis Lab and a Microscopy and Imaging Center on the 3rd floor, including modular workspaces for individual and group training, and a "view-in design" for behind-the-scenes tours. These are just two more examples of the range of methods we use to promote our collections and their significance: from digital technology, to classroom teaching and mentoring, to direct personal outreach.

These projects are primarily aimed at the scientific community, with tangential benefits to public and K-12 classes. We're doing a good job of speaking to our scientific colleagues, and our graduate students. They speak our language. We are already deeply involved in university teaching (15 courses in 2010), high school teaching (1 course), graduate student advising and training (53 Resident Graduate students keep offices here and use the labs an collections n a daily basis) and intern mentoring (over 100 high school, undergrad, and graduate interns last year). Add to that our efforts to train up-and-coming scientists in virtually all the countries we work in, from Latin America to Southeast Asia to Africa, and we can truly say that our influence on emerging generations of scientists, both at home and abroad, is profound.

But we need to be more creative and aggressive about communicating to the rest of the world why our work is relevant to the planet and life on it. It's not about dumbing the information down, it's about engaging people and educating them as to why the research is important. It will not surprise any reader of this report—but it should dismay them—to learn that the 2010 report from the Organisation for Economic Co-operation and Development (OECD), ranked the U.S. 17th in science and 25th in math out of 34 OECD countries in its Program for International Student Assessment (PISA) results—a bit better in science than the last assessment, but still mediocre by any measure. Even before these results President Obama had launched his ambitious "Race to the Top" initiative, which encourages US states to adopt internationally benchmarked standards so as to prepare students for success in college and the workplace, develop more effective teachers, and refine measurements of student accomplishment. The Field Museum cannot single-handedly reverse the downward trend in science education in the U.S., but

we are exceptionally positioned to contribute in way few other institutions can match. With a world-class repository of core scientific data, cutting-edge research on subjects like evolution, the environment, and the development of ancient societies, and a robust public education arm, it is no one's fault but our own if we are not instrumental in remedying this problem.

How do we get our science, our stories, to appear bigger on the public's radar? The short answer is we need to be more aggressive about exploiting existing channels of communication, and creating new ones. One improvement we can point to right now is the complete revamp of The Field Museum web site, which went live just before this report went to press. Besides a more attractive and engaging interface, the new system allows our scientists to add new information as it happens, post their research papers, write blogs, and more. The site will also allow more graceful access to collections data and images. Our web team is also making it easier for our scientists to get their message out through the social media, like Twitter and Facebook. In addition, thanks to a grant from the Negaunee Foundation, we will soon hire a media producer solely dedicated to creating science-based interactive experiences on the web, as well as in the public Museum. This producer will create interactive and on-line science projects, working closely with staff in Collections & Research and the Education and Exhibitions departments; these efforts also will help the Museum advance its contributions to such collaborative communities such as the Global Biodiversity Information Facility, Scratchpads, and Encyclopedia of Life, among many others, helping to increase the profile of the Museum in the digital world.

Within the Field Museum site, our *expeditions@fieldmuseum* microsite continues to allow visitors to virtually tag along on field trips via videos, daily dispatches from the field, interactive maps, and photo galleries. The program is more robust than ever, adding four or five new projects a year, in addition to the 30 or so archived expeditions dating back to 2002. New projects in 2010 included the Körös Regional Archaeology Project (Hungary), an expedition to Australia to study ants, and a trip to Antarctica to hunt for dinosaurs. *Expeditions@fieldmuseum* is currently the most successful scientific program on The Field Museum's main website. During the 2009-2010 season, *expeditions* launched many new features including links to books, products, exhibits, and events that relate to the expeditions, new playlists/channels on Vimeo and YouTube (which have become the #1 draw on The Field Museum main channels), and a new Convio email routing system that provides seamless distribution of "dispatches." During 2011, *expeditions* will launch a complete redesign as part of the Museum's new site management system, a self-sustaining funding module based on support provided by participating scientists who utilize *expeditions@fieldmuseum* to meet the educational outreach goals required by many grants, and new interactives that utilize social media such as Twitter, Facebook, Flickr, etc.

In a similar vein the Biodiversity Synthesis Center, in conjunction with Global Kids (a non-profit educational organization aimed at urban youth), hosted the third installment of its "I Dig Science" series in 2010. These are intensive educational workshops in which high school students in Chicago and New York work collaboratively with scientists in the field, participate in a scientific project, and explore the biodiversity and culture of the subject country. Programs to date have included "I Dig Tanzania," "I Dig Zambia," and, in 2010, "I Dig Brazil."

Within the marble and mortar (as opposed to virtual) walls of The Field Museum, our Exhibitions and Education Departments are working more closely than ever with Collections & Research and ECCo to mine Field Museum science for public programs material—notably through the efforts of the cross-departmental Science-Public Education Committee (SPEC)—both to better communicate the richness of our science, and to generate more cost-efficient programming. Exhibitions recently launched an effort to develop more small-scale temporary exhibits that focus on Field Museum research and collections. The pilot effort, now on display in the Rice Gallery, is *The Romance of Ants*, which explores the career of Assistant Curator Corrie Moreau, from her childhood love for insects, to graduate study with E.O. Wilson, to her current research at FMNH. Done in the style of a graphic novel, the show also highlights fascinating facts about ants and their roles within the ecosystem, featuring photos and videos of ants, and an enormous live ant colony. Visitors can also go to a companion on-line site and upload their own ant

photos or post questions. The show has received a very positive response in visitor surveys, and the Museum is considering expanding the show for a traveling version. This new exhibit series, dubbed “Straight from the Field,” holds great promise for getting more of our research stories told, and the slate of potential ideas is limitless.

SPEC is also encouraging scientists with current NSF support to collaborate with the Exhibitions Department to submit proposals to NSF’s *Communicating Research to Public Audiences* (part of the agency’s Informal Science Education program) to support small-scale exhibits (like *Ants*) that highlight their current research. The ISE program aims at promoting appreciation for, and understanding of, science, technology, engineering, and mathematics in out-of-school settings, and the CRPA program supports projects that communicate the process and results of current research supported by NSF—including exhibits and educational activities aimed at kids—thus, a perfect opportunity to secure seed money for more FMNH science-centered shows.

Exhibitions and Education collaborated to recently add a special exhibit in the *Crown Family PlayLab* entitled “Collections: What Do You Collect?”, which highlights the diverse array of specimens housed in the Museum collections, and draws a parallel with “treasures” our visitors collect. In addition, as always, visitors can watch fossil preparators at work in the McDonalds’ Fossil Prep Lab outside of *Evolving Planet*, and peek into Regenstein Conservation Lab in *Traveling the Pacific*, and speak to research staff about current genetics-based projects several times a day at the *DNA Discovery Center*. Our Education Department is increasingly focused on drawing on the expertise of our scientists to enlighten the public, students and teachers about natural history. One popular example is the “Café Science” lecture series, which sends Field Museum scientists into bars, restaurants and even grocery stores throughout Chicago with an eye to engaging the public on scientific issues. Last year Geology’s Peter Makovicky gave a lecture at Schuba’s Pub on the SUE 3-D scanning project, which facilitated estimates of the famous *T. rex*’s body mass and musculature, and Anthropology Curator Alaka Wali spoke at Hopleaf about women’s role in the home in both Chicago and the Peruvian Amazon. C&R staff are also at the heart of the Education Department’s “Scientist on the Floor” program, in which our scientists talk to visitors about the research that goes on here, and show off some of our more interesting objects and specimens from the collections. Education also hosts an annual Educator Open House during which teachers increase their knowledge related to biology, zoology, and botany, via activities including behind-the-scenes tours and seminars with C&R scientists.

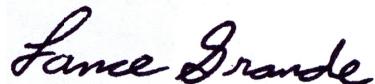
In these varied ways we are attempting to get our stories out to the K-12 crowd as well as the “life-long learners” who love the kind of science that we do here. But that’s still just a fraction of the populace. How do we get the word out to those who might find our stories compelling, but just don’t know it? Perhaps the best way of getting our stories out to the public is via the old-school media outlets of newspapers, TV and radio. There is no better way to be the talk of this morning’s coffee than to be featured on CNN or NPR the night before, or on the front page of the *New York Times* or *Daily Southtown* today. The Field Museum’s Public Relations Department is wholly committed to promoting Field Museum science, but their staff simply cannot keep up with all the demands on their time. A few years ago an acquaintance with 30-plus years in the public relations arena commented that The Field Museum seemed to be in the news every day (and jokingly wondered if some sort of bribery was involved). The secret was that at the time the Museum had a PR person solely dedicated to promoting our scientific stories. This is an idea that needs to be revived. The reason that many research discoveries by university researcher A or museum curator B make the pages of the *Times* or the CBS Evening News is not that they are any more significant than similar discoveries by Field Museum curators, it is because there is a dedicated PR machine touting them to the media. The stories mentioned earlier—the new proto-dinosaur from Tanzania, “virgin birth” in sharks, the revised timeline in our own divergence from chimps—were “big” stories, no doubt, but we have many more that could be “spun” if we had a person focused on spinning them.

There’s a saying in Hollywood: “You’re only as good as your last hit.” This holds true in the world of research as well. Today’s “archaeological find of the year” or “top biological discovery” becomes

yesterday's news pretty quickly. People need to be constantly reminded that we are here, what we do, and why it's important. A PR representative dedicated to science is a valuable enough resource that we should consider fundraising to secure permanent funding for such a position. More focused and sustained cultivation of the press means more frequent exposure, which increases awareness of the Museum and its work, which creates buzz, brings people into the Museum and to our web pages, resonates in our labs, collections and courses (many of our students and interns tell us that they got interest in science because of a news item about an expedition or new discovery)—and perhaps above all, underlines our relevance, not only in the eyes of the public, but also to donors, foundations, and funding agencies.

Imperial China, dinosaur ancestors, meteorites, human origins—a rich variety of stories, with one thing in common: they tell us completely new information about our world and ourselves. That's why we, our visitors, our in-laws, our neighbors, find such stories fascinating. And there are so many such stories to tell. What will the dozen or so Field Museum zoologists and botanists who are collecting specimens around the globe at this very moment bring back with them? What will research now underway in the Pritzker Molecular Lab reveal about the tree of evolution, animal-human disease vectors, plant diversity, or primate vision (to name just four of the 400-odd molecular projects currently being run completely or partially through our DNA lab)? What will ongoing archaeological excavations in China, Mexico, Peru, Greece, and Hungary tell us about social, economic, and political change in ancient societies?

Readers of a certain age will recall a television series (and before that a movie) whose tagline went as follows: "There are 8 million stories in the naked city . . ." With a collection numbering 24.4 million, fieldwork in more than 30 countries, dozens of new species a year, reams of scientific publications, hundreds of DNA-based projects—clearly, there are *tens of millions* of stories in the Field Museum. They are waiting to be told, and we need to explore every avenue for telling them.



Lance Grande
Senior Vice President and Head
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Janet R. Voight

Strugnell, J., Cherel, Y., Cooke, I. R., Gleadall, I. G., Hochberg, F. G., Ibáñez, C. M., Jorgensen, E., Laptikhovsky, V. V., Linse, K., Norman, M., Vecchione, M., **Voight, J. R.** and A. L. Allcock. The Southern Ocean: Source and sink? *Deep-Sea Research II. Special Volume*.

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Harold K. Voris

Karns, D. R., Murphy, J. C. and **H. K. Voris**. (2010). Semi-aquatic snake communities of the central plain region of Thailand. *Tropical Natural History*. 10(1): 1–25.

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Phochayavanich, R., **Voris, H. K.**, Khonsue, W., Thunhikorn, S. and K. Thirakhupt. (2010). Comparison of stream frog assemblages at three elevations in an evergreen forest, North Central Thailand. *Zoological Studies* 49(5): 632–639.

Pipatsawasdikul, K., **Voris, H. K.** and K. Thirakhupt. (2010). Distribution of the Big-headed Turtle (*Platysternon megacephalum*, Gray 1831) in Thailand. *Zoological Studies*. 49(5): 640–650.

Jason D. Weckstein

Rice, A. A., **Weckstein, J. D.** and **J. Engel**. (2010). Black-mandibled Toucan (*Ramphastos ambiguus*). In *Neotropical Birds Online*, Schulenberg, T.S. ed. Ithaca: Cornell Lab of Ornithology; retrieved from Neotropical Birds Online: http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=27206.

Rice, A. A., **Weckstein, J. D.** and **J. Engel**. (2010). Chestnut-mandibled Toucan (*Ramphastos swainsonii*). In *Neotropical Birds Online*, Schulenberg, T. S. ed. Ithaca: Cornell Lab of Ornithology; retrieved from Neotropical Birds Online: http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=303416.

Mark W. Westneat

Dyer, B. S. and **M. W. Westneat**. (2010). Taxonomy and biogeography of the coastal fishes of Juan Fernandez and Desventuradas islands, Chile. *Revista de Biología Marina y Oceanografía*. 45, S1: 32–62.

Philip W. Willink

Willink, P. W., Mol, J. H. and B. Chernoff. (2010). A new species of suckermouth armored catfish, *Pseudancistrus kwinti* (Siluriformes: Loricariidae) from the Coppename River drainage, Central Suriname Nature Reserve, Suriname. *Zootaxa* 2332: 40–48.

BIODIVERSITY SYNTHESIS CENTER

Torsten Dikow

Dikow, T. (2010). Order Diptera, Family Mydidae. In *Arthropod Fauna of the United Arab Emirates*, van Harten, A. ed. 3: 608–615. Dar Al Ummah, Abu Dhabi.

Dikow, T. (2010). New species and new records of Mydidae from the Afrotropical and Oriental regions (Insecta, Diptera, Asiloidea). *ZooKeys* 64: 33–75.

Joshua Drew

Allen, G. R., **Drew, J. A.** and D. Fenner. (2010). *Amphiprion pacificus*, a new species of anemonefish (Pomacentridae) from Fiji, Tonga, Samoa, and Wallis Island Aqua: *International Journal of Ichthyology* 16(3): 129–138.

Drew, J. A., Allen, G. R. and M. V. Erdmann. (2010). Congruence between mitochondrial genes and color morphs in a coral reef fish: population variability in the Indo-Pacific damselfish *Chrysiptera rex*

(Snyder, 1909). *Coral Reefs* 29: 439–444.

James Parham

Parham, J. F. and N. D. Pyenson. (2010). New sea turtle from the Miocene of Peru and the iterative evolution of feeding ecomorphologies since the Cretaceous. *Journal of Paleontology* 84(2): 231–247.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Kevin Feldheim

Daly-Engel, T. S., Grubbs, R. D., **Feldheim, K. A.**, Bowen, B. W. and R. J. Toonen. (2010). Is multiple mating beneficial or unavoidable? Low multiple paternity and genetic diversity in the shortspine spurdog shark (*Squalus mitsukurii*). *Marine Ecology Progress Series* 403: 255–267, Doi: 10.3354/meps08417.

Feldheim, K. A., Chapman, D. D., Simpfendorfer, C. A., Richards, V. P., Shivji, M. S., Wiley, T. R., Poulakis, G. R., Carlson, J. K., Eng, R. and S. Sagarese. (2010). Genetic tools to support the conservation of the endangered smalltooth sawfish, *Pristis pectinata*. *Conservation Genetic Resources* 2: 105–113, doi: 10.1007/s12686-010-9175-8.

Feldheim, K. A., Chauke, L. F., Hopkins, K. P. and K. A. Tolley. (2010). Characterization of microsatellite loci from a South African endemic, the Cape Dwarf Chameleon (*Bradypodion pumilum*). *Conservation Genetic Resources*, doi: 10.1007/s12686-009-9108-6.

Feldheim, K. A., Chapman, D. D., Sweet, D., Fitzpatrick, S., Prodöhl, P. A., Shivji, M. S. and B. Snowden. (2010). Shark virgin birth produces multiple, viable offspring. *Journal of Heredity* 101: 374–377, Doi: 10.1093/jhered/esp129.

Feldheim, K. A., Chauke, L. F., Hopkins, K. P. and K. A. Tolley. (2010). Characterization of microsatellite loci from a South African endemic, the Cape Dwarf Chameleon (*Bradypodion pumilum*). *Conservation Genetic Resources* 2: 165–168, Doi:10.1007/s12686-009-9108-6.

ACTIVE GRANTS

\$22,722,754

DEPARTMENT OF ANTHROPOLOGY

L. Antonio Curet

Co-PI: Will Pestle

Agency: National Science Foundation

Project: Household and Social Change in Ancient Puerto Rico

Period: Jun 09–May 11

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–Jul 11

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–Jun 10

Amount: \$4,000

Gary M. Feinman

PI: Deborah Bekken; Co-PI: Karen Wilson

Agency: Department of Defense

Project: Iraq Cultural Heritage—The Kish Collection

Period: Aug 06–Jul 11

Amount: \$976,000

Chapurukha M. Kusimba

Co-PI: Anne Underhill

Agency: National Endowment for the Arts

Project: Stimulus grant for retention of conservation staff

Period: Jul 09–Jun 10

Amount: \$50,000

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

Debbie Linn

PI: Ruth Norton

Agency: Institute for Museum and Library Studies

Project: Conservation treatment of 159 Chinese rubbings

Period: Jul 07–Apr 10

Amount: \$75,000

Robert D. Martin

Co-PI: Anne Underhill

Agency: U.S. Department of State

Project: Training for Iraqi Museum Professionals

Period: Jan 09–Dec 10

Amount: \$1,200,000

Ruth E. Norton

Co-PI: Debbie Linn

Agency: Institute for Museum and Library Studies

Project: Conservation treatment of 159 Chinese rubbings

Period: Jul 07–Apr 10

Amount: \$75,000

PI: Helen Robbins

Agency: National Park Service; NAGPRA

Project: Artifact testing for return to Navajo Nation

Period: Jul 07–Jan 10

Amount: \$21,408

William A. Parkinson

Co-PI: none

Agency: America for Bulgaria Foundation

Project: Advancing archaeological and anthropological research in southeastern Europe

Period: May 09–May 10

Amount: \$159,500

Co-PI: Timothy Parsons

Agency: National Science Foundation

Project: DDIG: Migration or adoption? Modeling the late Copper Age on the Great Hungarian Plain

Period: Jun 09–May 10

Amount: \$15,000

Co-PI: Hanneke Hoekman-Sites

Agency: National Science Foundation

Project: DDIG: Resource intensification in early village societies: dairying on the Great Hungarian Plain

Period: Sep 09–Aug 10

Amount: \$15,000

Co-PI: none

Agency: National Science Foundation

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

Period: Sep 09–Aug 12

Amount: \$231,312

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

Helen Robbins

Co-PI: Ruth Norton

Agency: National Park Service; NAGPRA

Project: Artifact testing for return to Navajo Nation

Period: Jul 07–Jan 10

Amount: \$21,408

Co-PI: none

Agency: National Park Service; NAGPRA

Project: XRF testing of Zuni items located at The Field Museum

Period: Oct 08–Mar 10

Amount: \$34,430

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

Anne P. Underhill

Co-PI: Robert Martin

Agency: U.S. Department of State

Project: Training for Iraqi Museum Professionals

Period: Jan 09–Dec 10

Amount: \$1,200,000

Co-PI: Chapurukha Kusimba

Agency: National Endowment for the Arts

Project: Stimulus grant for retention of conservation staff

Period: Jul 09–Jun 10

Amount: \$50,000

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–Jul 11

Amount: \$177,268

Co-PI: Nicola Sharratt

Agency: National Science Foundation

Project: DDIG: Coping with collapse—the effects of political decline on social identities

Period: Sep 09–Feb 11

Amount: \$10,250

Co-PI: Nicola Sharratt

Agency: National Science Foundation

Project: Supplement: DDIG: Coping with collapse—the effects of political decline on social identities

Period: Sep 09–Aug 10

Amount: \$1,200

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: Nov 09–Oct 10

Amount: \$19,990

Co-PI: none

Agency: Negaunee Foundation

Project: Support for Anthropology Collections Assistant

Period: Jan 11–Dec 11

Amount: \$32,000

Karen Wilson

PI: Deborah Bekken; Co-PI: Gary Feinman

Agency: Department of Defense

Project: Iraq Cultural Heritage—The Kish Collection

Period: Aug 06–Jul 11

Amount: \$976,000

DEPARTMENT OF BOTANY

Michael O. Dillon

Co-PI: none

Agency: The Mellon Foundation

Project: Latin American plants

Period: Jan 07–May 10

Amount: \$337,000

John Engel

Co-PI: Matt von Konrat

Agency: National Science Foundation

Project: Collaborative Research: AToL: Assembling the liverwort tree of life: A window into the evolution and diversification of early plants

Period: Jan 06–Dec 10

Amount: \$101,348

Co-PIs: Robert Lücking, Thorsten Lumbsch, Matt von Konrat
Agency: National Science Foundation
Project: Bringing Shuster, Standley, and Co. into the third millennium: The Field Museum's 160K bryophyte and lichen conversion and digitization project
Period: Jan 08–Dec 10
Amount: \$349,283

Co-PI: none
Agency: Negaunee Foundation
Project: Illustrations for volume 2 of "A Flora of the Liverworts and Hornworts of New Zealand"
Period: Jan 10–Dec 10
Amount: \$22,000

Co-PI: Matt von Konrat
Agency: National Science Foundation
Project: Collaborative research on the Marchantiophyta, Anthocerophyta and Bryophyta of the cape horn archipelago: Floristics and implications for conservation
Period: May 10–Apr 14
Amount: \$196,676

Co-PIs: Robert Lücking, Thorsten Lumbsch, Matt von Konrat
Agency: National Science Foundation
Project: REU supplement: The Field Museum's 180K bryophyte and lichen digitization project
Period: Jul 10–Jun 11
Amount: \$14,386

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 10
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

H. Thorsten Lumbsch
Co-PI: Conrad Schoch
Agency: National Science Foundation
Project: Systematics of the Dothideomycetes
Period: Jul 07–Jun 10
Amount: \$12,000

Co-PIs: John Engel, Robert Lücking, Matt Von Konrat
Agency: National Science Foundation
Project: Bringing Shuster, Standley, and Co. into the third millennium: The Field Museum's 160K Bryophyte and lichen conversion and digitization project
Period: Jan 08–Dec 10
Amount: \$349,283

Co-PI: Theodore Esslinger
Agency: National Science Foundation
Project: Hidden diversity in parmelioid lichens (Ascomycota, Lecanorales)
Period: Mar 10–Feb 12
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: none
Agency: Negaunee Foundation
Project: Developing a DNA barcode for lichens
Period: Jan 11–Dec 11
Amount: \$25,000

Co-PI: none
Agency: Negaunee Foundation
Project: Collections manager for early land plants
Period: Jan 11–Dec 11
Amount: \$32,700

Joanna McCaffrey
PI: Carl Dick; Co-PIs: Al Newton, Bruce Patterson
Agency: National Science Foundation
Project: Bat flies like an E-Mu: Digitization, conversion, and accessibility of The Field Museum's bat fly collection
Period: Feb 06–Jan 10
Amount: \$406,912

Richard H. Ree
Co-PI: none
Agency: National Science Foundation
Project: REVSYS: Classification, phylogeny, and biogeography of Corydalis (Fumariaceae)
Period: Sep 06–Aug 10
Amount: \$249,912

Co-PI: none
Agency: Negaunee Foundation
Project: Chicago plant symposium
Period: Jan 11–Dec 11
Amount: \$5,300

Matt von Konrat
PI: John Engel
Agency: National Science Foundation
Project: Collaborative Research: AToL: Assembling the liverwort tree of life: A window into the evolution and diversification of early plants
Period: Jan 06–Dec 10
Amount: \$101,348

Co-PIs: John Engel, Robert Lücking, Thorsten Lumbsch
Agency: National Science Foundation
Project: Bringing Shuster, Standley, and Co. into the third millennium: The Field Museum's 160K Bryophyte and lichen conversion and digitization project
Period: Jan 08–Dec 10
Amount: \$349,283

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

Co-PIs: John Engel, Thorsten Lumbsch, Matt von Konrat
Agency: National Science Foundation
Project: REU supplement: The Field Museum's 180K bryophyte and lichen digitization project
Period: Jul 10–Jun 11
Amount: \$14,386

DEPARTMENT OF GEOLOGY

Kenneth D. Angielczyk
Co-PI: none
Agency: Negaunee Foundation
Project: A search for Middle Permian tetrapods in Gondwana
Period: Jan 10–Dec 10
Amount: \$29,000

Co-PIs: Peter Makovicky, Olivier Rieppel
Agency: Negaunee Foundation
Project: Scientific illustration in the Department of Geology
Period: Jan 11–Dec 11
Amount: \$24,430

Ian Glasspool
Co-PI: none
Agency: Negaunee Foundation
Project: Preparation of paleobotany specimens
Period: Jan 11–Dec 11
Amount: \$7,200

Lance Grande
Co-PI: none
Agency: National Science Foundation
Project: Collaborative Research: Integrated study of an exceptional avifauna from the Eocene Green River Formation: New data on avian evolution and taphonomy
Period: Aug 07–Aug 11
Amount: \$49,994

Scott Lidgard
Co-PI: none

Agency: Negaunee Foundation
Project: A new kind of research database
Period: Jan 11–Dec 11
Amount: \$38,000

Peter J. Makovicky

Co-PI: none
Agency: National Science Foundation
Project: Collaborative research: The role of development and life history traits in the evolution of ceratopsian dinosaurs
Period: Sep 04–Aug 10
Amount: \$99,292

Co-PI: Nathan Smith
Agency: National Science Foundation
Project: Integrating molecular, morphological and paleontological data: Phylogeny, diversification, and character evolution with the Pelecaniformes
Period: Jul 08–Jun 10
Amount: \$11,800

Co-PI: Nathan 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 12
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: Petra Sierwald
Agency: National Science Foundation
Project: Supplement to: REU Site: Networked access to systematic resources for undergraduates in Chicagoland
Period: Jan 10–Dec 10
Amount: \$1,000

Co-PIs: Ken Angielczyk, Olivier Rieppel
Agency: Negaunee Foundation
Project: Scientific illustration in the Department of Geology
Period: Jan 11–Dec 11
Amount: \$24,430

Olivier C. Rieppel

Co-PI: Maureen Kearney
Agency: National Science Foundation
Project: ATOL: Collaborative research: The deep scaly project: Resolving squamate phylogeny using genomic and morphological approaches
Period: Jan 04–Dec 10
Amount: \$553,414

Co-PIs: Ken Angielczyk, Peter Makovicky
Agency: Negaunee Foundation
Project: Scientific illustration in the Department of Geology
Period: Jan 11–Dec 11
Amount: \$24,430

Nathan D. Smith

Co-PI: Peter Makovicky
Agency: National Science Foundation
Project: Integrating molecular, morphological and paleontological data: Phylogeny, diversification, and character evolution with the Pelecaniformes
Period: Jul 08–Jun 10
Amount: \$11,800

Co-PI: Peter 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 12
Amount: \$212,791

DEPARTMENT OF ZOOLOGY

John M. Bates

PI: Jason Weckstein
Agency: National Science Foundation
Project: Bridging micro and macroevolutionary history: Population genetics of coevolutionary history
Period: Aug 05–Jul 10
Amount: \$344,305

PI: Jason Weckstein
Agency: National Science Foundation
Project: REU supplement to DEB-0515672: Bridging micro and macroevolutionary patterns: Population genetics of coevolutionary history
Period: Jun 07–Jul 10
Amount: \$6,000

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: Jun 10–May 12
Amount: \$330,050

Co-PI: none
Agency: Negaunee Foundation
Project: Salary support for an Insects Collections Manager
Period: Jan 11–Dec 11
Amount: \$29,000

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 12
Amount: \$1,345,017

Co-PI: none
Agency: National Science Foundation
Project: Collaborative Research: REVSYS: Worm snails revised (Mollusca: Gastropoda)
Period: Mar 09–Feb 12
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 12
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 12
Amount: \$2,787,782

Steven M. Goodman
Co-PI: none
Agency: The John D. and Catherine T. MacArthur Foundation
Project: Continued capacity building for Malagasy conservation biologists: Support for Vahatra
Period: Sep 07–Dec 10
Amount: \$325,000

Co-PI: none
Agency: Critical Ecosystem Partnership Fund
Project: Support to the Malagasy international association Vahatra
Period: Jul 09–Jun 11
Amount: \$214,391

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: none
Agency: National Science Foundation
Project: Collaborative Research: Early Bird: A collaborative project to resolve the deep nodes of avian phylogeny
Period: Oct 02–Sep 10
Amount: \$900,695

Co-PI: Sushma Reddy
Agency: National Science Foundation

Project: Collaborative Research: Avian diversification across tropical Asia: a systematic and biogeographic analysis of babblers (Aves: Timaliidae)
Period: Jan 08–Dec 10
Amount: \$219,999

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

Larry R. Heaney
Co-PI: Bill Stanley
Agency: National Science Foundation
Project: Collaborative Research: Curation, Data Basing, and Integration of the Orphaned Illinois Mammal Collection
Period: Jan 08–Mar 10
Amount: \$32,998

Co-PI: none
Agency: Negaunee Foundation
Project: Promoting Conservation in the Philippines through Public Education: A Field Guide to the Mammals of Luzon Island
Period: Jan 10–Dec 10
Amount: \$69,000

Co-PI: none
Agency: Negaunee Foundation
Project: Promoting conservation in the Philippines through research and public education
Period: Jan 11–Dec 11
Amount: \$61,400

Co-PI: none
Agency: Negaunee Foundation
Project: Support of Mammals preparation lab
Period: Jan 11–Dec 11
Amount: \$34,720

Corrie S. Moreau
Co-PI: none
Agency: Negaunee Foundation
Project: Ant Diversity, Biogeography and Conservation in the Florida Keys: Understanding biodiversity patterns and food webs through time
Period: Jan 10–Dec 10
Amount: \$35,000

Alfred F. Newton
Co-PI: Margaret Thayer
Agency: National Science Foundation
Project: PEET: Monography, Phylogeny, and Historical Biogeography of Austral Staphylinidae (Coleoptera)
Period: Sep 01–Aug 10
Amount: \$719,831

PI: Carl Dick; Co-PIs: Joanna McCaffrey, Bruce Patterson
Agency: National Science Foundation
Project: Bat flies like an E-Mu: Digitization, conversion, and accessibility of The Field Museum's bat fly collection
Period: Feb 06–Jan 10
Amount: \$406,912

Co-PI: Alexey Solodovnikov
Agency: National Science Foundation
Project: Collaborative Research: Phylogenetic reclassification and generic revision of the rove beetle tribe Staphylinini (Insecta: Coleoptera: Staphylinidae)
Period: Sep 07–Aug 11
Amount: \$114,742

Bruce D. Patterson

PI: Carl Dick; Co-PIs: Al Newton, Joanna McCaffrey
Agency: National Science Foundation
Project: Bat flies like an E-Mu: Digitization, conversion, and accessibility of The Field Museum's bat fly collection
Period: Feb 06–Jan 10
Amount: \$406,912

PI: Carl Dick
Agency: National Science Foundation
Project: Collaborative Research: Phylogeny of the bat flies of the world—insights into trends in host associations and ectoparasitism
Period: Apr 07–Mar 10
Amount: \$158,516

Petra Sierwald

Co-PI: Jason Bond
Agency: National Science Foundation
Project: The Diplopoda: Systematics research, training and tools
Period: Jan 06–Dec 10
Amount: \$748,955

Co-PI: Norman Platnick
Agency: National Science Foundation
Project: PBI—Collaborative Research: The megadiverse, microdistributed spider family Oonopidae
Period: Sep 06–Aug 11
Amount: \$62,166

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–Dec 10

Amount: \$1,000

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 12

Amount: \$261,598

Co-PI: none

Agency: National Science Foundation; subcontract through Yale

Project: Collaborative Research: Phylogenetics and key innovations in labroid fishes

Period: Aug 07–Jul 10

Amount: \$12,500

Co-PI: none

Agency: Institute of Museum and Library Services

Project: Providing long-term security and access to genetic resources at Field Museum

Period: Aug 09–Jul 10

Amount: \$119,803

Co-PI: none

Agency: Negaunee Foundation

Project: Animal genomes and toxin evolution: Bioinformatics researcher for fish venom exploration

Period: Jan 10–Dec 10

Amount: \$42,000

William T. Stanley

PI: Larry Heaney

Agency: National Science Foundation

Project: Collaborative Research: Curation, Data Basing, and Integration of the Orphaned Illinois Mammal Collection

Period: Jan 08–Mar 10

Amount: \$32,998

Margaret Thayer

Co-PI: none

Agency: National Science Foundation

Project: Staphyliniformia section of Assembling the Beetle Tree of Life (BToL)

Period: Oct 05–Sep 10

Amount: \$125,951

Co-PI: Al Newton

Agency: National Science Foundation

Project: PEET: Monography, Phylogeny, and Historical Biogeography of Austral Staphylinidae (Coleoptera)

Period: Sep 01–Aug 10

Amount: \$719,831

Co-PI: Rüdiger Bieler

Agency: National Science Foundation

Project: Infrastructure improvements to support invertebrate research at The Field Museum
Period: Aug 10–Jul 12
Amount: \$2,787,782

Harold K. Voris

Co-PI: none

Agency: The John D. and Catherine T. MacArthur Foundation

Project: Herpetological biodiversity and biogeography in the lower Mekong river basin

Period: May 06–Oct 10

Amount: \$305,000

Jason D. Weckstein

Co-PI: John Bates

Agency: National Science Foundation

Project: Bridging micro and macroevolutionary history: Population genetics of coevolutionary history

Period: Aug 05–Jul 10

Amount: \$344,305

Co-PI: John Bates

Agency: National Science Foundation

Project: REU supplement to DEB-05156752, Bridging micro and macroevolutionary history: Population genetics of coevolutionary history

Period: Aug 05–Jul 10

Amount: \$6,250

Co-PI: John Bates

Agency: National Science Foundation

Project: REU supplement to DEB-0515672, Bridging Micro and Macroevolutionary Patterns: Population Genetics of Coevolutionary History

Period: Jun 07–Jul 10

Amount: \$6,000

Co-PI: John Bates

Agency: National Science Foundation

Project: REU supplement to DEB-0515672, Bridging Micro and Macroevolutionary Patterns: Population Genetics of Coevolutionary History

Period: Jun 08–Jul 10

Amount: \$7,000

Co-PI: John Bates

Agency: National Science Foundation

Project: REU supplement to DEB-0515672, Bridging Micro and Macroevolutionary Patterns: Population Genetics of Coevolutionary History

Period: Jun 08–Jul 10

Amount: \$15,000

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 12

Amount: \$400,000

Co-PI: none
Agency: National Science Foundation
Project: Subaward: IGERT: Integrative training in motor control and movement
Period: Sep 09–Aug 10
Amount: \$41,788

Co-PI: none
Agency: Negaunee Foundation
Project: Biodiversity Collections and Web Outreach: Specialist Support for the Ichthyology Collection
Period: Jan 10–Dec 10
Amount: \$25,000

OFFICE OF COLLECTIONS AND RESEARCH

Deborah Bekken

Co-PI: none
Agency: Department of Commerce and Economic Opportunity
Project: Local match for Museum Campus roadway improvements (traffic circle)
Period: Jul 06–Mar 10
Amount: \$100,000

Co-PIs: Gary Feinman, Karen Wilson
Agency: Department of Defense
Project: Iraq Cultural Heritage—The Kish Collection
Period: Aug 06–Jul 11
Amount: \$976,000

Co-PI: none
Agency: Illinois Arts Council
Project: IAC General Operating Support 2010
Period: Sep 09–Aug 10
Amount: \$27,000

Lance Grande

Co-PI: none
Agency: Negaunee Foundation
Project: Redevelopment of Collections & Research web presence
Period: Jan 10–Dec 10
Amount: \$28,000

Co-PI: none
Agency: Negaunee Foundation
Project: Production of a television documentary on Field Museum research in the rainforests
Period: Jan 10–Dec 10
Amount: \$100,000

Co-PI: none
Agency: Negaunee Foundation
Project: Unrestricted support
Period: Jan 11–Dec 11
Amount: \$50,000

Co-PI: none
Agency: Negaunee Foundation
Project: Green River Formation book (U. of Chicago Press)
Period: Jan 11–Dec 11
Amount: \$37,000

Co-PI: Joseph Brennan
Agency: Negaunee Foundation
Project: Web and digital media producer for C&R
Period: Jan 11–Dec 11
Amount: \$43,000

Co-PI: none
Agency: Negaunee Foundation
Project: Continued support for *expeditions@fieldmuseum.org*
Period: Jan 11–Dec 11
Amount: \$30,000

BIODIVERSITY SYNTHESIS CENTER

Audrey Aronowsky
Co-PI: Elizabeth Babcock
Agency: MacArthur Foundation
Project: WhyReef: merging natural science research with virtual learning
Period: Oct 08–Apr 10
Amount: \$308,000

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 12
Amount: \$382,628

Joshua Drew
Co-PI: none
Agency: National Science Foundation
Project: Fellowship grant
Period: Sep 08–Aug 10
Amount: \$10,000

Co-PIs: Beth Sanzenbacher, Krystal Villanosa, Mark Westneat
Agency: The John D. and Catherine T. MacArthur Foundation; subcontract through Smithsonian
Project: Conservation Connection: From the west side to the west Pacific
Period: Sep 10–Aug 11
Amount: \$152,000

Beth Sanzenbacher
Co-PIs: Josh Drew, Krystal Villanosa, Mark Westneat
Agency: The John D. and Catherine T. MacArthur Foundation; subcontract through Smithsonian
Project: Conservation Connection: From the west side to the west Pacific

Period: Sep 10–Aug 11

Amount: \$152,000

Mark W. Westneat

Co-PIs: none

Agency: The John D. and Catherine T. MacArthur Foundation; subcontract through Smithsonian

Project: Biodiversity Synthesis Center

Period: Jul 07–Aug 10

Amount: \$2,089,856

Co-PIs: Josh Drew, Beth Sanzenbacher, Krystal Villanosa

Agency: The John D. and Catherine T. MacArthur Foundation; subcontract through Smithsonian

Project: Conservation Connection: From the west side to the west Pacific

Period: Sep 10–Aug 11

Amount: \$152,000

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Kevin A. Feldheim

Co-PI: Samuel Gruber

Agency: National Science Foundation

Project: Collaborative Research: A comparison of the mating system and evolutionary potential of lemon sharks, *Negaprion brevirostris* (Poey), at two nursery sites in the western Atlantic

Period: Feb 07–Jan 11

Amount: \$206,282

Co-PI: none

Agency: National Oceanic and Atmospheric Administration/National Marine Fisheries Service

Project: Investigations into the population genetics of large tooh sawfish *Pristis perotteti*

Period: Sep 10–Apr 11

Amount: \$25,000

COLLABORATIVE PARTNERSHIPS—Fiscal Agent other than Field Museum

William A. Parkinson

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

Olivier C. 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: J.D. Jiang, R. Motani, A. Tintori

Agency: National Geographic Society

Project: Testing the rapid diversification and origins of the earliest Mesozoic marine reptiles in the Lower Triassic of Chaohu, China

Period: Jan 10–Dec 10

Amount: \$18,000

Petra Sierwald

Co-PI: Pat Herendeen

Agency: National Science Foundation

Project: Future Directions in Systematic Biology and Biodiversity Surveys and Inventories Research
(meetings held at Chicago Botanic Garden)

Period: Jun 09–May 11

Amount: \$100,000

CONFERENCES, SYMPOSIA, WORKSHOPS AND INVITED LECTURES, 2010

DEPARTMENT OF ANTHROPOLOGY

J.P. Brown

Presenter, American Institute for Conservation Annual Meeting, Milwaukee, WI; Co-Presenter, American Association of Museum's Annual Conference 2010, Los Angeles, CA; Presenter, Environmental Measurement for Museums Workshop, Swedish America Museum/Chicago Cultural Alliance.

L. Antonio Curet

75th Annual Meeting of the Society for American Archaeology, St. Louis, MO; Invited Lecturer, Department of Anthropology, Dartmouth University; Invited Lecturer, Lake Forest College.

Laure Dussubieux

Society of American Archaeology meeting, Saint Louis, MO; International Symposium on Archaeometry, Tampa, Florida; European Association of Southeast Asia Archaeologist conference, Berlin; Germany, South Asia Conference, Madison, WI.

Gary Feinman

79th Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, NM; Annual Meeting of the Society for Cross-Cultural Research, Albuquerque, NM; 33rd Annual Midwest Mesoamericanists Conference, Milwaukee, WI.

Alan Francisco

KE EMu North American User Group Meeting, Pensacola, FL.

Mark Golitko

75th annual meeting of the Society for American Archaeology, St. Louis, MO; 109th Annual Meeting of the American Anthropological Association, New Orleans, LA; Invited Lecturer, Idaho State University Department of Anthropology.

Jonathan Haas

Annual meeting of the 37th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Indiana University, Fort Wayne University, Purdue, IN; Workshop on Aggression and Peacemaking in Evolutionary Perspective; Lorentz Center, University of Leiden, Leiden, Netherlands.

Dilyana Ivanova

13th National Ethnographic Conference, Ruse, Bulgaria.

Jamie Kelly

Curation Workshop, Midwest Archaeological Conference, Bloomington, IN.

Chapurukha M. Kusimba

Annual Meeting of the Society for American Archaeology, St. Louis, MO; Panafrican Congress of African Prehistory and related Studies, Dakar, Senegal; 13th National Ethnographic Conference, Ruse, Bulgaria; Invited Lecturer: National Museums of Kenya, Nairobi; Invited Lecturer, Kimilili Boys High School, Kimilili, Kenya; Invited Lecturer, Fort Jesus Museum, Mombasa, Kenya.

Gloria Levitt

Invited Presenter, Anthropology Alliance, The Field Museum.

Debbie Linn

Invited Lecturer, Founders' Frontiers Symposium, The Field Museum; Invited Lecturer, Chicago Area Conservation Guild; Invited Lecturer, Midwest Regional Conservation Guild Annual Meeting, Louisville, KY.

Robert D. Martin

Invited Presenter, Columbia College, Chicago; Invited Lecturer, Division of Endocrinology, Metabolism, and Molecular Medicine, Northwestern University Feinberg School of Medicine; Guest Lecturer, University of Chicago; Invited contribution, Boston University Dialogues in Anthropology; Invited Presenter (with Megan White), Annual Meeting of the American Association of Anatomists, Anaheim, CA; Presentation, Teen Training Program, The Field Museum; Guest Lecturer, University of Illinois at Chicago; Guest Lecture and tour of *Evolving*, University of Illinois at Chicago.

Linda Nicholas

79th Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, NM.

William A. Parkinson

Invited symposium paper, 75th Annual Meeting of the Society for American Archaeology, St. Louis, MO.

Christopher J. Philipp

Pacific Arts Association 10th International Symposium, Rarotonga, Cook Islands; Ta'unga Ina Papatua's Tapa Workshop, Mangaia, Cook Islands.

Helen Robbins

International Conference on Museums and Restitution, University of Manchester; NAGPRA at 20, Washington D.C.

John Edward Terrell

Keynote Speaker, IGU Commission on Islands, 2010 Conference, "Finding Their Place: Islands in Social Theory," The Island of Ven, Sweden; Invited lecture, Department of Anthropology, University of Otago; Invited lecture, Te Papa Tongarewa Museum of New Zealand; Invited lecture, Department of Anthropology / New Zealand Archaeological Association, Auckland; Invited lecture and seminar, Department of Anthropology and The Honors Program, University of Hawai'i, Honolulu; Invited Lecturer, Department of Anthropology, U.S. National Museum of Natural History, Smithsonian Institution, Washington, D.C.

Alaka Wali

Annual Meeting of the Society for Applied Anthropology, Merida, Mexico; Annual Meeting of the American Anthropological Association, New Orleans, LA; Invited Lecture for Special Symposium "Gender and Environment Intersections", Northwestern University, Evanston, IL; Special Conference on "Good Metrics for Arts and Social Impact" National Endowment for the Arts, Washington, D.C.

Patrick Ryan Williams

Institute of Andean Studies, Berkeley; Presenter (Wari) and Discussant (Arequipa Archaeology), 75th Annual Meeting of the Society for American Archaeology, St Louis, MO; Returning Fellow, Fine Outreach for Science Workshop, Carnegie Mellon University, Pittsburgh, PA; Presenter (Materializing Debt) and Discussant (Motion Check), American Anthropological Association Meetings, New Orleans, LA.

DEPARTMENT OF BOTANY**Sabine Huhndorf**

Annual Meeting of Mycological Society of America, Lexington, KY.

Patrick Leacock

A. H. Smith Lake States Foray, L'Anse, MI.

Thorsten Lumbsch

EOL Workshop "Parmeliaceae", Chicago; Global Plant Initiative Meeting, Medellin, Colombia; International Mycological Congress, Edinburgh, UK. Invited lectures: Polish Academy of Sciences, Krakow, Poland; Stockholm University, Stockholm, Sweden; Ramkamhaeng University, Bangkok, Thailand.

Robert Lücking

Invited Lectures: Instituto Nacional de Biodiversidad (INBio), Santo Domingo, Costa Rica; NSF Tropical Lichen Workshop, Instituto Nacional de Biodiversidad (INBio), Santo Domingo, Costa Rica; NSF Tropical Lichen Workshop, Universidad Nacional Autónoma de México (UNAM), México; NSF Tropical Lichen Workshop, Charles Darwin Research Station (CDRS), Santa Cruz, Galápagos, Ecuador; NSF Tropical Lichen Workshop, Universidade Federal de Sergipe (UFSe), Itabaiana, Brazil; NSF Tropical Lichen Workshop, Parque Natural do Caraça, Minas Gerais, Brazil; Symposium "Reunião Brasileira de Estudos Líquenológicos" (REBEL), Parque Natural do Caraça, Minas Gerais, Brazil; NSF Tropical Lichen Workshop, Parque Nacional Henry Pittier, Estación Biológica Rancho Grande, Aragua, Venezuela; NSF Tropical Lichen Workshop, Universidad Distrital Francisco José Caldas, Bogotá, Colombia; Symposium "Investigaciones Biológicas Contexto y Perspectivas de la Biología y su Enseñanza," Universidad Distrital Francisco José Caldas, Bogotá, Colombia.

Christine Nieuogoda

Society for the Preservation of Natural History Collections, Ottawa, Canada; Fifth International Legumes Conference: Advances in the XXI Century, Buenos Aires, Argentina.

Richard H. Ree

Invited lectures: University of Michigan, Ann Arbor; Royal Botanic Garden, Madrid; Symposium, "New Frontiers in Plant Systematics and Evolution," Beijing; Botany 2010 conference, Providence, RI; Workshop, "Ecophylogenetics", National Center for Ecological Analysis and Synthesis, Santa Barbara, CA.

Betty Strack

Mycological Society of America Annual Meeting, University of Kentucky, Lexington.

Gayle Tonkovich

Calumet Summit 2010, Hammond, IN.

DEPARTMENT OF GEOLOGY**Kenneth D. Angielczyk**

Invited Lectures: Public Lecture at Field Museum organized by the Education Department; Zygon Center for Religion and Science, Lutheran School of Theology Hyde Park Campus; Physics Department, Siena College, Loudenville, NY; "Games, Learning, and Society 6.0," Madison, WI; 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA; Geological Society of America, Denver, CO.

John R. Bolt

70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

Marlene Hill Donnelly

Artist in Residence, University College Dublin, Dublin, Ireland; Workshop, *Painting the Landscape*, Mt. Vernon, WA.

Jörg Fröbisch

Invited Lecture, 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

Ian Glasspool

European Geosciences Union, Vienna, Austria..

Lori Grove

Council of American Jewish Museums Annual Conference, Los Angeles, CA; American Ruins and Antiquities in the Long 19th Century, The USC-Huntington Early Modern Studies Institute, San Marino, CA.

Philipp R. Heck

Invited Lectures: Astrophysics Luncheon, Physics Division, Argonne National Laboratory, Argonne, IL; "Careers in Chemistry" Symposium, Department of Chemistry, University of Illinois at Urbana-Champaign, Urbana, IL; Adler Research Division Colloquium, Adler Planetarium, Chicago; Presenter: 41st Lunar and Planetary Science Conference, The Woodlands, TX; 73rd Annual Meeting of the Meteoritical Society, New York, NY; 20th Anniversary Clemson University/Washington University/University of Chicago/DTM Workshop on Presolar Grains, Clemson, SC.

James L. Holstein

Presenter, Moderator, 3rd Annual Fossil Preparation and Collections Symposium, The Field Museum, Chicago, IL Preparation and Collections Symposium, Chicago, IL.; Co-author and Presenter *Update and History of the Meteorite Collection at the Robert A. Pritzker Center for Meteoritics and Polar Studies at the Field Museum*, 73rd Annual Meeting of the Meteoritical Society, New York, NY.

Melanie Hopkins

Presenter: 122nd Annual Meeting of the Geological Society of America, Denver, CO.; A. Watson Armour III Seminar Series, The Field Museum.

Scott Lidgard

Organizer and Presenter, Meeting Workshop "Bryozoans on the Web," and also a Keynote Speaker, Meeting of the International Bryozoological Association, Kiel, Germany; Presenter and Section Chairman, Annual Meeting of Society for Integrative & Comparative Biology, Seattle, WA; Invited Lecturer, University of Wisconsin, Madison.

Peter J. Makovicky

"Evolution 2010" Conference, Portland, OR.

Paul S. Mayer

Presenter: 25th Annual Meeting of the Society for the Preservation of Natural History Collections, Ottawa, Ontario, Canada; 122nd Annual Meeting of the Geological Society of America, Denver, CO.

Olivier Rieppel

International Symposium on Triassic and Later Marine Vertebrate Faunas, Peking University, Beijing, China; Annual Meeting, Anhui Geological Society, Hefei, China; 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

Akiko Shinya

Presenter: "Histology techniques at the Field Museum," 3rd Annual Fossil Preparation and Collections Symposium, The Field Museum, Chicago, IL; 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

William F. Simpson

Presenter, 3rd Annual Fossil Preparation & Collections Symposium, FMNH, Chicago; Roundtable organizer & presenter, 3rd Annual Fossil Preparation & Collections Symposium, FMNH, Chicago; 70th Annual Meeting of the Society for Vertebrate Paleontology, Bristol, UK.

Paul P. Sipiera

41st Lunar and Planetary Science Conference, The Woodlands, TX; 73rd Annual Meeting of the Meteoritical Society, New York, NY.

Nathan D. Smith

70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

Constance Van Beek

Presenter, "Preparation of micro-features of Eocene Green River specimens: methods and materials" and co-presenter (with Deborah Wagner) "Creating temporary support structure for preparation," 3rd Annual Fossil Preparation and Collections Symposium, The Field Museum; 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

Lindsay E. Zanno

Invited Lectures: Earth Science Club of Northern Illinois.

DEPARTMENT OF ZOOLOGY**John M. Bates**

Invited Seminar, Northern Illinois University; Invited Seminar University of Missouri, St. Louis; Kenya Wildlife Service, Nairobi, Kenya; Author of four papers/posters presented by students and colleagues at national and international meetings.

Rüdiger Bieler

Invited Speaker and Symposium Organizer, World Congress of Malacology, Phuket, Thailand; Lead PI, Bivalve-ATOL collaborators meetings, Museum of Comparative Zoology, Cambridge, MA and Paleontological Research Institution, NY; Organizer, Bivalves-in-Time-and-Space (BiTS) collaborators meeting, BioSynC, The Field Museum.

James H. Boone

Illinois Butterfly Monitoring Workshop, Chicago, IL; Lepidoptera Workshop, Southwestern Research Station, Portal, AZ.

Rosemary E. Golding

World Congress of Malacology, Phuket, Thailand.

Steven M. Goodman

CRVOI, La Réunion, France; The University of Kwa-Zulu Natal, South Africa; CIRAD, Antananarivo, Madagascar ; Peace Corps, Mantasoa, Madagascar ; WWF workshop, Antananarivo, Madagascar ; AETFAT, Antananarivo, Madagascar; Volkswagen Foundation, Witzenhausen, Germany; CNRS, l'Institut Ecologie et Environnement, Paris, France.

Shannon J. Hackett

Museums and the Web Annual Meeting, Denver, CO; Career Day lecture, Whitney M. Young Magnet School.

Lawrence R. Heaney

Keynote Speaker, Biodiversity Forum, Foundation for the Philippine Environment and Department of Environment and Natural Resources, Manila. Wildlife Biologist Biosafety Meeting, Center for Disease Control, Atlanta, GA; Wildlife Conservation Society of the Philippines, Bicol State University, Naga City, Philippines; American Society of Mammalogists, University of Wyoming.

Robert F. Inger

Institute of Technology, Bandung, Indonesia; Mulawarman University, Samarinda, Indonesia; Yayasan Ulin, an Indonesian foundation, planning and review conferences.

Corrie S. Moreau

Annual SSE/SSB/ASN Evolution meeting in Portland, OR; Annual meeting of the Entomological Society of America in San Diego, CA; International Union for the Study of Social Insects (IUSSI), Copenhagen, Denmark; Invited Lecture, University of Guelph, Canada; Invited Lecture, Michigan State University, East Lansing, MI; Invited Lecture, Rutgers University, Rutgers, NJ.

Alfred F. Newton

25th International Meeting on Biology and Systematics of Staphylinidae, Copenhagen, Denmark.

Bruce D. Patterson

Presenter, American Society of Mammalogists, Laramie, WY; Presenter, International Congress for Conservation Biology, Edmonton, Alberta, Canada; Invited Lecturer, 2nd Congreso Peruana de Mastozoología, Arequipa, Peru; Invited Presenter; 15th International Bat Research Conference, Prague, Czech Republic; Departmental Seminar Speaker, Department of Zoology, University of Dar es Salaam, Tanzania; Departmental and grad student Seminar Speaker, Department of Zoology, Southern Illinois University, Carbondale, IL; Departmental Seminar Speaker, Department of Biological Sciences, Western Kentucky University, Bowling Green, KY; Organizer and Presenter, FMNH-UNIMAS Symposium, Universiti Malaysia Sarawak, Kuching, Malaysia.

Alan Resetar

Calumet Summit 2010: A Call to Connect, Purdue University-Calumet, Hammond, IN; Annual meeting Indiana DNR Nongame Program Amphibian and Reptile Technical Advisory Committee, Fort Benjamin Harrison State Park, Indianapolis, IN.

Mary Anne Rogers

American Society of Mammalogists, Laramie, WY.

André F. Sartori

World Congress of Malacology 2010, Phuket, Thailand; Joint 76th American Malacological Society and 43rd Western Society of Malacologists Annual Meeting, San Diego, CA; Invited lecturer, Chicago Shell Club.

Petra Sierwald

34rd Annual A.A.S. Meeting, Greenville, NC; International Arachnological Congress, Poland; Undergraduate Research Symposium, Field Museum, organizer and host; NSF workshop series: Washington, D.C., co-host, Future of Systematics, Smithsonian Institution.

William T. Stanley

American Society of Mammalogists, Laramie, WY.

Sid E. Staubach

Invited Conference Speaker: 17th World Congress of Malacology, Phuket, Thailand; Invited Lecturer, Johann Wolfgang Goethe University, Frankfurt am Main, Germany.

Margaret K. Thayer

25th International Meeting on Biology and Systematics of Staphylinidae, Copenhagen, Denmark.

Jason D. Weckstein

Invited Lecture, Department of Biology, George Washington University, Washington D.C.; Speaker, International Ornithological Congress, Campos do Jordão, Brazil; Co-Author (three posters), International Ornithological Congress, Campos do Jordão, Brazil.

Mark W. Westneat

Society of Integrative and Comparative Biology, Seattle, WA; American Society of Ichthyologists and Herpetologists, Providence, RI; Society for the Study of Evolution, Portland, OR; Encyclopedia of Life meeting, Washington, D.C.; University of Illinois, Urbana-Champaign.

Philip W. Willink

Conference: American Society of Ichthyologists and Herpetologists, Providence, RI; Invited lecturer: Chicago State University.

BIODIVERSITY SYNTHESIS CENTER**Audrey Aronowsky**

WebWise, Denver, CO; National Synthesis Centers Evaluation Meeting, Knoxville, TN; Games, Learning, and Society, Madison, WI; EOL Species Pages Advisory Committee, Washington, D.C.; National Synthesis Centers Outreach Meeting, Santa Barbara, CA.

Karen Cranston

iPlant Tree Visualization, Austin, TX; University of Toronto, Toronto, Canada; iPlant Collaborative Annual Meeting, Las Vegas, NV; Evolution, Portland, OR; iEvoBio, Portland, OR.

Torsten Dikow

Hennig Society, Honolulu, HI; International Congress of Dipterology, San Jose, Costa Rica.

Joshua Drew

HASTAC Digital Media and Learning, Washington, D.C.; Evolution, Portland, OR; iEvoBio, Portland, OR.

Richard Ree

Royal Botanical Gardens, Madrid, Spain.

Beth Sanzenbacher

WebWise, Denver, CO; Our World Underwater, Chicago, IL; HASTAC Digital Media and Learning, Washington, D.C.; Games, Learning, and Society, Madison, WI; Encyclopedia of Life and Public Exhibits, Cambridge, MA.

Kristopher Urie

iPlant Tree Visualization, Austin, TX; DrupalCon, San Francisco, CA; Evolution, Portland, OR; iEvoBio, Portland, OR.

Mark Westneat

Society for Integrative and Comparative Biology, Seattle, WA; Invited Lecturer at Illinois Natural History Survey, Urbana-Champaign, IL; iPlant Tree Visualization, Austin, TX; Evolution, Portland, OR; iEvoBio, Portland, OR; American Society of Ichthyologists and Herpetologists, Providence, RI.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Kevin Feldheim:

Invited lecturer: President's Leadership Council, Indiana University Northwest, Roosevelt University, Loyola University, Northwestern University; Skype/online lecturer: Staples High School, Westport, CT, The Field Museum's Global Science Seminar.

LIBRARY

Diana Duncan:

American Library Association Annual Conference, Washington D.C.; Ex Libris Users of North America, Great Lakes User Group Meeting, Evanston, IL.

Armand Esai

Institute of Museum and Library Services: Funding for Collections Care; Public Outreach and Collections Care; Getting the Most from your Bookshelf: Care of Paper, Photographs, and Audiovisual Collections. Northeast Document Conservation Center: Preservation 101.

Christine Giannoni

Biodiversity Heritage Library Institutional Council Annual Meeting, New York, NY; Invited panelist, Special Library Association - Illinois Chapter; Annual Meeting of the Metropolitan Library System.

OFFICE OF COLLECTIONS AND RESEARCH

Carter O'Brien

Midwest Renewable Energy Alliance 21st Annual Energy Fair workshops: Sustainable Food, Solar PV Systems, Custer, WI; Green Festival, Chicago.

MUSEUM AND PUBLIC SERVICE, 2010

(Editorships, Committees, etc.)

DEPARTMENT OF ANTHROPOLOGY

J. P. Brown

Field Museum: Member, Common Ground; Member, SEM Users Group; Lead User for portable FTIR and Bruker pXRF; Lead Programmer, Image Processing and Barcoding software.

L. Antonio Curet

Field Museum: C&R Scholarship Committee; Alternate, Science Advisory Council; Anthropology Special Seminar Coordinator; Internship Coordinator, Department of Anthropology; North American Curatorial Team; Latin American Curatorial Team.

External: Series Editor, Caribbean Archaeology and Ethnohistory Book Series, University of Alabama Press; Editorial Board, *Journal of Caribbean Archaeology*; Editorial Board, *Arqueología del Área Intermedia*; Editorial Board, *Ethnohistory*; Editorial Board, *Journal of Island and Coastal Archaeology*; Member, Committee on the Americas, Society for American Archaeology; National Meeting Committee, Society for American Archaeology; Board, Puerto Rican Arts Alliance; Pro bono archaeological consultant, City of Ponce.

Gary Feinman

Field Museum: Member, Scientific Advisory Council; Member (alternate), Special Exhibits and Education Committee; Associate Editor, *Fieldiana Anthropology*; Member, Anthropology Acquisitions Committee; Member, Anthropology Promotions Committee; Member, Anthropology Space Committee; Member, Anthropology Fund Raising Committee.

External: Editor, *Journal of Archaeological Research*; Associate Editor, *Journal of World-Systems Research*; Series Editor, *Fundamental Issues in Archaeology*, Springer; Advisory Editor, *Foundations of Archaeology*, Eliot Werner Publications, Inc.; Advisory Editor, *Foundations of Anthropology*, Eliot Werner Publications, Inc.; Advisory Editor, *Cross-Cultural Research*; Publications Committee, Society for American 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; Program review: Member, University of Illinois at Chicago-Field Museum Program Review Committee for Anthropology; Member, Planning Committee, Mesas Redondas de Monte Albán, Mexico; Member, East Asian Archaeology Search Committee, Anthropology, University of Illinois-Chicago; Outside hiring/tenure review: University of Oregon, University of Hawaii-Manoa; Ms./Book referee: *Anales de Antropología*, *Current Anthropology*, *Nature*, Instituto de Investigaciones Antropológicas, UNAM; University of California Press; Grant/Fellowship referee: National Science Foundation (7); Grant/Fellowship referee: Guggenheim Foundation.

Mark Golitko

Field Museum: Interim Laboratory Manager, Field Museum Elemental Analysis Facility, January-May 2010.

Jonathan Haas

Field Museum: Fieldiana editorial board; Chair, Acquisitions Committee, Anthropology; Chair Space Committee, Anthropology; Curatorial Liaison to Anthropology Professional Staff; Repatriation Committee; Collections and Research Strategic Planning Working Group F.

External: University of Illinois at Chicago: Search Committee, Southeast Asian Archaeologist; Graduate Admissions Committee; College of Liberal Arts and Sciences Academic Priorities Taskforce; Editorial Board: Anthropology and Culture; Organizing Committee, Museos Regional del Norte Chico.

Jamie Kelly

Field Museum: Member, EMu User Group; Member, Anthropology Information Management Committee; Member, Anthropology Old World Curatorial Team; Member, Anthropology North America Curatorial Team.

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 Department (January–May 2010); Member, Search Committee, University of Illinois at Chicago; Chair, Promotion Committee, Anthropology Department; Consultant: Minneapolis Institute of Art (Permanent African Hall).

External: Editorial Board: African Archaeological Review, Journal of Archaeological Research, South African Archaeological Review, *Azania*: Journal of African Archaeology, Coetzen Institute of Archaeology Publication Series; Peer Review: National Science Foundation, National Geographic Society, Cambridge Journal of Archaeology, Journal of Historical Archaeology, African Archaeological Review, *Azania*, Journal of African Archaeology.

Debbie Linn

Field Museum: Representative, Collections and Research Professional Staff; Member, Anthropology Intradepartmental Relations Committee; Member, Exhibition Filemaker Pro Users Group.

External: Grant Reviewer, IMLS Save America's Treasures Program; Conservation Consultant, Chicago Cultural Alliance.

Robert D. Martin

Field Museum: Overall responsibility for human skeletal remains in the Anthropology collections; Participation in a special inventory of unaffiliated human remains to meet new Federal requirements; Member of the FMNH Repatriation Committee; Invited Participant, Repatriation Subcommittee of the Committee on Science; Acting Chair, Anthropology Department; Chair, Intradepartmental Relations Committee of the Anthropology Department; Anthropology Department Representative, Library Committee; Anthropology Department Representative, A. Watson Armour Seminar Committee; Coordination of Members' Nights arrangements for the Anthropology Department, including presentation of a human origins display; Attendance at meetings of the Anthropology Alliance and Council on Africa; Presentations on interpretation of human remains, followed by a tour of *Evolving Planet*, for trainees in the Iraqi Heritage Project; Co-organizer of the Midwest Primate Interest Group meeting at The Field Museum and the College of Dentistry, University of Illinois at Chicago.

Linda Nicholas

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

Ruth E. Norton

Field Museum: Member, Pests Subcommittee; Member, Facilities Planning Advisory Group.

External: Field Editor, *Art and Archaeology Technical Abstracts Online* (Getty); Advisory Panel, University of Chicago Graham School Certificate in Collection Care; Presenter, Chicago Cultural Alliance workshops on collection care.

William A. Parkinson

Field Museum: Chair, Old World Curatorial Team, Department of Anthropology; Committee Member, Acquisitions Committee, Department of Anthropology; Committee Member, Information Technology, Collections and Research Committee; Curatorial Supervisor, The Kish Project; Curatorial Supervisor, Hall 38 Move Project; Curatorial Supervisor, Iraq Cultural Heritage Project.

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

Christopher J. Philipp

Field Museum: Department Intern Coordinator; Department Tour Coordinator; Regenstein Pacific Curatorial Team.

John Edward Terrell

Field Museum: Anthropology Department Digital Standards Committee; C&R Scholarship Committee; SPEC Committee.

Alaka Wali

Field Museum: Repatriation Subcommittee of the Committee on Science; ECCo Committee of the Board of Trustees; Dept. of Anthropology North American Collections Team and Latin America Collections Team; ECCo Leadership Team.

External: Editorial Board, *American Anthropologist*, flagship journal of the American Anthropological Association; Co-Editor, Public Anthropology Reviews Section of the *American Anthropologist*; Editorial Board, Collaborative Anthropologies, new independent annual journal; Reviewer for *Human Organization*, Journal of the Society for Applied Anthropology; Technical Review Advisory Committee, Cordillera Azul National Park Management Plan Review; Board of Trustees, High Jump Enrichment Program; Board of Trustees, National Public Housing Museum; Advisory Committee on Arts and Culture, Chicago Metropolitan Agency for Planning *GoTo2040 Project*.

Patrick Ryan Williams

Field Museum: Science Advisory Council; Scanning Electron Microscope Committee; Director, Elemental Analysis Facility Committee; Chair, Anthropology.

External: President, Field Museum Chapter, American Association of University Professors; State Council of the Illinois Conference of the American Association of University Professors; Director, Academic Advisory Board Museo Contisuyo.

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

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, Systematic Botany Monographs, Interciencia (Venezuela); Taxon; Proposal reviewer, National Geographic Society.

Sabine Huhndorf

Field Museum: Scholarship Committee; Science Advisory Council alternate.

External: Treasurer, Mycological Society of America; Editor, MYCONET.

Maria Lucia Kawasaki

External: Manuscript Reviewer, *Brittonia*, *Novon*; Member, Organization for Flora Neotropica Commission.

Patrick Leacock

Field Museum: Project Coordinator for Fungi, vPlants.org; Member, Chicago Wilderness Science Team.
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; Staff Representative, Research Strategic Planning Committee.
External: Editorial Board, 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*, *Fungal Biology*, *Fungal Diversity*, *Gayana*, *Glalia*, *Herzogia*, *International Journal of Biodiversity and Conservation*, *Journal of the Torrey Botanical Society*, *Lichenologist*, *Lichenology*, *Micron*, *Molecular Phylogenetics and Evolution*, *Mycologia*, *Mycological Progress*, *Mycological Research*, *Mycotaxon*, *Nova Hedwigia*, *Opuscula Philolichenum*, *Taxon*; Grant Reviewer, *National Geographic*, *National Science Foundation*, *Natural Sciences and Engineering Research Council of Canada*, *EOL Rubenstein Fellowships*; Thesis Reviewer, University of Peradeiya, Sri Lanka.

Thorsten Lumbsch

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

External: Vice President, International Association for Lichenology (IAL); Editor: *Fungal Biology*, *Myconet*, *Nova Hedwigia*; Associate Editor/Editorial Board: *Australian Systematic Botany*, *Fieldiana - Life and Earth Sciences*, *Fungal Diversity*, *Mycology*, *Phytotaxa*, *Systematic Biology*, *Taxon*, *Willdenowia*; Guest Editor, *The Lichenologist*; Ad hoc reviewer: more than 25 international journals; Panelist/proposal reviewer: *National Science Foundation*, *Deutsche Forschungsgemeinschaft*; Chair, Research Award Committee, *Mycological Society of America*.

Richard H. Ree

Field Museum: Member: Science Advisory Committee, Pritzker Lab Management Group, Board IT Committee, C&R/IT Committee; Alternate, Exhibitions Science Liason Committee; Assistant Director, Biodiversity Synthesis Center.

External: Peer reviewer: *American Journal of Botany*, *Biological Journal of the Linnean Society*, *Ecology Letters*, *Journal of Biogeography*, *Systematic Biology*, *BMC Evolutionary Biology*; Editorial Board Member, *International Journal of Plant Science*; Panelist, *National Science Foundation*.

Gayle Tonkovich

Field Museum: Coordinator and institutional liaison, vPlants.org; Collaborator and Contributor, Keys to Nature Project.

External: Secretary, Board of Directors, Flora Richardson Foundation, Inc.; Co-chair, Flora Richardson Foundation Grants Committee.

Matt von Konrat

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

DEPARTMENT OF GEOLOGY

Kenneth D. Angielczyk

Field Museum: Parker-Gentry Award Committee; Science and Public Education Committee; Seminar Committee; Steering Council, The Field Museum/IDP Foundation, Inc. African Training Fund.
External: Editorial Boards: Bulletins of *American Paleontology*, *Palaeontographica Americana*, *Palaeontology*. Journal Peer Reviewer: *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*; *BMC Research Notes*, *Geobios*. Edited Book Chapter Peer Reviewer: *The Biology of Nonmammalian Therapsids: Insights from Bone Microstructure*. Grant Proposal Peer Reviewer: National Geographic Society Committee on Exploration and Research; NSF Earth Sciences Postdoctoral Fellowship. Society Service: Alfred Sherwood Romer Prize Committee, Society of Vertebrate Paleontology; Ad Hoc Committee on Fossil Repositories and Collection Guidelines, Society of Vertebrate Paleontology. University of Chicago: Student Advisory Committee, Committee on Evolutionary Biology.

Marlene Hill Donnelly

External: Membership Secretary, Guild of Natural Science Illustrators.

Jörg Fröbisch

External: Journal Peer Reviewer: *Acta Palaeontologica Polonica*, *Proceedings of the Royal Society B, Science*.

Ian Glasspool

Field Museum: C & R Professional Staff Representative; Scholarship Committee, Science Advisory Council, Collections and Research/Information Technology Committee, IT Database Subcommittee, Strategic Planning Committee, Strategic Planning Committee - Collection Subgroup.
External: Manuscript Reviewer: *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*; *International Journal of Coal Geology*; *Palaios*; *Journal of Paleontology*; Book Reviewer: John Wiley & Sons Limited.

Lance Grande

Field Museum: Executive Team; Chair, Collections and Research; Strategic Planning Committee; Weekly Chairs Meeting; Member of Collections and Research subcommittee and Board; Presenter at Board meetings.

External: Board Member and Chair of Program Committee; Chicago Council on Science and Technology; Steering Committee member, Encyclopedia of Life.

Lori Grove

External: President of the Board of Directors, Maxwell Street Foundation; Advisory Board Member, South Loop Historical Society.

Philipp R. Heck

Field Museum: Tawani Polar Expedition Fund Committee; Scholarship Committee; Peer review of meteorite sample request proposals.

External: Member of the Interstellar Dust Preliminary Examination Team for samples from NASA's Stardust Mission; Peer Reviewer for manuscripts, *Meteoritics & Planetary Science*. Member; Chicago Center for Cosmochemistry; International Consortium for the study of the fresh meteorite fall Mifflin.

Melanie Hopkins

External: Manuscript Review: *Paleobiology*.

Peter J. Makovicky

External: Editorial Board, "Vertebrate Paleobiology and Paleoanthropology" book series, Springer Verlag; Reviewer for *Nature*, *PNAS*, *Proceedings of the Royal Society*, *Journal of Vertebrate Paleontology*, *American Museum Novitates*, *Historical Biology*.

Paul S. Mayer

Field Museum: Website Development Committee.

External: Manuscript Reviewer: Collections Forum; Research Proposal Reviewer: Grand Canyon National Park.

Olivier Rieppel

Field Museum: Science Advisory Council; Associate Editor, *Fieldiana Geology*.

External: Associate Editor: *Zoological Journal of the Linnean Society*, *Zoologischer Anzeiger*, *Palaeontologische Zeitschrift*, *Vertebrate Zoology*, *Dresden*; *Journal of Zoological Systematics and Evolutionary Research*; Editorial Board: *Development and Evolution*, *Belgian Journal of Zoology*.

Akiko Shinya

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

Paul P. Sipiera

External: Executive Board Member, Jo Daviess Conservation Foundation.

Nathan D. Smith

Field Museum: Organizer, Field Museum of Natural History Evolution Discussion Group; Organizer, Field Museum of Natural History Vertebrate Morphology Discussion Group; Symposium Moderator, 2010 Undergraduate Research Symposium, Field Museum of Natural History.

External: Member, Scientific Advisory Board, The Center for Polar Studies, Augustana College, Rock Island, IL; University of Chicago, Biological Sciences Division Dean's Council. Panel Member, "Planning for a Successful Graduate Career" sponsored by University of Chicago GeoUnion; Manuscript Reviewer: *Acta Palaeontologica Polonica*, *Biology Letters*, *Earth & Environmental Science Transactions of the Royal Society of Edinburgh*. Session Moderator, 70th Annual Meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA.

Constance Van Beek

External: Society of Vertebrate Paleontology Preparators' Committee.

Lindsay E. Zanno

External: Manuscript Reviewer for various journals.

DEPARTMENT OF ZOOLOGY**John M. Bates**

Field Museum: Chairman, Department of Zoology; Acting Head, Division of Amphibians and Reptiles; Member, Pritzker Lab Management Committee; Member; Member, TFM Africa Council; Member, African Training Program scientific committee; Head, Collections and Research Environmental biology strategic planning subcommittee; Participant, TFM Committee on Science; TFM new Trustee Orientations; Chairman, M.O.U. Committee; Member, Parker Gentry Award Nominating Committee; Ambassador Luncheon.

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 Museum 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; Lead-PI on Invertebrates/Insects Infrastructure Project.

External: President, Institute of Malacology; Associate Editor/Editorial Board, *Zoological Journal of the Linnean Society*, *Zootaxa*, *Malacologia – International Journal of Malacology*, *Archiv für Molluskenkunde*, *The Nautilus*, *The Festivus*, *Iberus*, *The Yuriyagai*, *Acta Zootaxonomica Sinica*, *Malakologische Abhandlungen*, *Papéis Avulsos de Zoologia*, *Arquivos de Zoologia*. Member, Committee on Evolutionary Biology, University of Chicago; Member, Faculty Appointments Committee, CEB, University of Chicago.

James H. Boone

Field Museum: Member, Emu and Web Users Group; Representative, Website Rebuild Collection Review Team.

External: Reviewer, book proposals, University of Chicago Press.

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, *Molecular Phylogenetics and Evolution*.

Steven M. Goodman

External: Editorial Board, *Faune de Madagascar*, *Mammalia*, *African Bat Conservation Newsletter*, *Malagasy Nature*, *Univers Maoré*; manuscript reviews for *Acta Chiropterologica*, *American Journal of Primatology*, *Biological Journal of the Linnean Society*, *International Journal of Primatology*, *Journal of Biogeography*, *Journal of Mammalogy*, *Mammalia*, *Oecologica*, *Science*, and *Zootaxa*.

Shannon J. Hackett

Field Museum: Chair, Science Advisory Council; Member, Pritzker Lab Management Committee; Co-chair, IT/C&R Committee; Manager, High Performance Computing Cluster; Collections and Research point person, Cryogenics Facility; Radiation Safety Officer; Representative on C&R Strategic Planning Committee (leader for technology section); collections inspection and evaluation, Block Museum, Northwestern University.

External: Editorial Board, *Molecular Phylogenetics and Evolution*; Co-Chair, University of Chicago Committee on Evolutionary Biology.

Lawrence R. Heaney

Field Museum: Head, Division of Mammals; Co-Chair, Pest Subcommittee, Facilities Advisory Committee; At-Large Representative, Science Advisory Council; Chair, Tenure Appeals Committee.

External: President-Elect, International Biogeography Society; 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).

Janeen Jones

Field Museum: Chair, C&R EMu and Web Users' Group; Zoology Representative, Collections Data subcommittee of the Collection and Research/ Information Technology Committee; Representative of the Strategic Planning Technology Working Group; Representative, Collections Team for Web Rebuild Committee.

Kathleen M. Kelly

Field Museum: Member, Pest Subcommittee.

Corrie S. Moreau

Field Museum: Member, Pritzker Laboratory Management Committee; Member, American Association of University Professors – Field Museum chapter; Founders Council Loop Luncheon presentation; Board of Trustees Assistants luncheon presentation; Africa Council attendee.

External: Faculty Member, Committee on Evolutionary Biology, University of Chicago; Academic journal editor for PLoS ONE; Guest journal editor for special issue of *Myrmecological News*; Manuscript reviewer, *Zootaxa*, *Molecular Ecology*, *BMC Evolutionary Biology*, *Molecular Phylogenetics and Evolution*, *Naturwissenschaften*; Oversight Committee Member, Global Ant Project; Member, Ant Course student selection committee; Invited to serve on the Society of Systematic Biology (SSB) Membership Committee; Encyclopedia of Life curator (Formicidae); Wiley Science Advisors member.

Alfred F. Newton

Field Museum: Curatorial Consultant, Division of Insects (Zoology).

External: Editorial Board, *Belgian Journal of Entomology*.

Bruce D. Patterson

Field Museum: Member, Institutional Animal Care and Use Committee; Member, Scholarship Committee; Member, Curatorial Steering Committee, Council on Africa; Member, Curatorial Steering Committee, IDP/FMNH African Training Program; Member, Parker-Gentry Award Selection Committee; Vice President, Field Museum Chapter, American Association of University Professors; Liaison, Graduate Program with University of Illinois at Chicago.

External: Associate Editor, *Mastozoología Neotropical*; Associate Editor, *Diversity and Distributions*; Past President, American Society of Mammalogists; Chair, Honorary Membership Committee, American Society of Mammalogists; Planning & Finance Committee, American Society of Mammalogists; Chair, Systematic Collections Committee, International Federation of Mammalogists; Member, Small Mammal Specialist Group, IUCN; Regional Red List Authority (Neotropics) for Small Mammals, IUCN.

Alan Resetar

External: Member, Indiana DNR Nongame Program Amphibian and Reptile Technical Advisory Committee; Member, Partners in Amphibian and Reptile Conservation; Advisory board member, TalTree Arboretum, Research and Restoration Committee.

Mary Anne Rogers

Field Museum: Member, Field Museum Facility Advisory Group Recycling Subcommittee (A Greener Field).

External: Member, Collections and Resources Committee, American Society of Ichthyologists and Herpetologists.

Petra Sierwald

Field Museum: Chair, Scholarship Committee; Program Director, Research Experience for Undergraduates site grant program at Field Museum.

External: Advisory Board member, Grzimek's Encyclopdia of Animal Life on the Web; Editorial board member: *The Journal of Arachnology*, *International Journal of Myriapodology*; Associate Editor (Myriapoda), *Zoological Journal of the Linnean Society*; *Organisms, Diversity & Evolution*; Associate Editor; NSF workshop series: Future of Systematics Co-PI, host and organizer of NSF workshops at Chicago Botanical Garden, Duke University, State University of California, Long Beach, California; American Arachnological Society: Member, Education committee.

W. Leo Smith

Field Museum: Member, Pritzker Laboratory Management Committee.

External: Associate Editor of Genetics, Development, and Morphology, *Copeia*; Illustration Editor, *Copeia*; Member, Committee on Evolutionary Biology Admissions Committee, University of Chicago; Member of

Steering Committee, Department of Education Graduate Assistance in Areas of National Need Award, University of Chicago.

William T. Stanley

Field Museum: Member, Field Museum Recycling/Environmental Awareness Committee;
External: Chair, Systematic Collections Committee, American Society of Mammalogists.

Kevin Swager

Field Museum: Member, Personnel Committee.

Margaret K. Thayer

Field Museum: Head, Division of Insects; Associate Editor (Zoology), *Fieldiana*; Co-PI of NSF ARI-R² Infrastructure grant; Zoology and At-Large Alternate Member, Scientific Advisory Council (SAC); Member, Strategic Planning Subcommittee A; Zoology representative, A. Watson Armour Seminar Committee; Member, Zoology Promotions Committee; Outside Member, Geology Promotions Committee; Coordinator, Insects EMu collection database; Secretary, FMNH Chapter of American Association of University Professors (AAUP); Museum pest IDs for Smithereen; Member, FMNH EMu Users Group; beta-tester for IT of wireless and VPN services.

External: Editorial Board, Thomas Say Publications (Entomological Society of America); Editorial Board, *Annales Zoologici*; Comité Editorial, *Dugesiana*; Contributing Editor (Staphylinidae), www.bugguide.net.

Janet R. Voight

Field Museum: Managing Scientific Editor: *Fieldiana*; Co-Chair, Science Public Education Committee; Member, Institutional Animal Care and Use Committee; Chair, Promotion and Review Committee, Dept. of Zoology; Member, New Temporary Exhibitions Proposals Review Committee.

External: Associate Editor, *Journal of Molluscan Studies*; Editorial Board, *Malacologia*; American Malacological Bulletin; Member, University of Chicago Committee on Evolutionary Biology; Chair, American Malacological Society Student Research Grant Committee; ad hoc reviewer, National Science Foundation; ad hoc reviewer, *Biological Bulletin*, *Marine Biodiversity Records*, *BMC Bioinformatics*.

Jason D. Weckstein

External: Manuscript review for *Ranger Rick Magazine*.

Mark W. Westneat

Field Museum: Director, Biodiversity Synthesis Center; Chair, Institutional Animal Care and Use Committee; Field Museum-University of Chicago Teaching Liason.

External: Steering Committee, Tree of Life Web Project; Group Leader, Encyclopedia of Life; Chair, Division of Vertebrate Morphology, Society of Integrative and Comparative Biology; BitMaP Advisory Board, Chicago Technology Park; NSF Committee on Future of Systematics.

Philip W. Willink

Field Museum: Member, Parker-Gentry Conservation Award Review Committee.
External: Member, All Catfish Species Inventory; Member, Great Lakes Rapid Response Plan; Member, Chicago Wilderness Aquatic Initiative; Member, City of Chicago Aquatic Invasive Species Advisory Group; Member, Chicago Wilderness Climate Change Task Force; Manuscript reviewer, two for Environmental Biology of Fishes; Grant reviewer, one for National Science Foundation.

BIODIVERSITY SYNTHESIS CENTER

Audrey Aronowsky

Field Museum: Member: Digital Learning committee;

Torsten Dikow

External: Editorial Advisory Board, *African Invertebrates*; Editorial Board, *Insect Systematics & Evolution*; Editorial Board, *Studia Dipterologica*.

Joshua Drew

External: Associate Editor, *Conservation Biology*.

Beth Sanzenbacher

Field Museum: Guest Member: Sue 2010 planning committee.

Mark Westneat

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

External: Steering Committee, Tree of Life Web Project; Hinds Fund Committee, University of Chicago; Chair, Division of Vertebrate Morphology, Society of Integrative and Comparative Biology; NSF site reviewer for National Evolutionary Synthesis Center.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION**Kevin Feldheim**

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

Web Projects: Content Specialist, *DNA Discovery Center* website; Content Specialist, *Pritzker Lab* website.

Other: Various behind-the-scenes collections tours.

Erin Sackett-Hermann

Web Projects: Content Specialist, *DNA Discovery Center* website; Content Specialist, *Pritzker Lab* website.

Other: Various behind-the-scenes collections tours.

Erica Zahnle

Education Programs: *DNA Discovery Center* High School and Teacher Internship program; Education Programming *Extreme Extraction: DNA In The Palm of Your Hand, The Dynamics of DNA*, *DNA Discovery Center* exhibition; Manager, Systems Biology Exploration Camp, and Teaching Systems Biology and Genetics Through Inquiry; Participant, Educator Open House.

Web Projects: Content Specialist, *DNA Discovery Center* website; Content Specialist, *Pritzker Lab* website.

Other: Various behind-the-scenes collections tours.

LIBRARY**Melissa Anderson**

Field Museum: Clean Up Committee; Evacuation Committee; Members' Night Committee; Library Committee (liaison); Public Programming Committee (liaison).

Karen Bean

Field Museum: Evacuation Committee.

Nina Cummings

Field Museum: Clean Up Committee.

Diana Duncan

External: Member, American Library Association (ALA).

Armand Esai

Field Museum: Library Committee; Clean Up Committee.

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

Christine Giannoni

Field Museum: Library Committee, IT/C&R 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.

OFFICE OF COLLECTIONS AND RESEARCH**Carter O'Brien**

Field Museum: Chair, Recycling Subcommittee (A Greener Field); Collections and Research Coordinator, Women's Board Field Dreams program; Member, Shared Bikes Committee; Member, Food Operator Committee.

External: Member, Finance Committee, Dill Pickle Co-Op; Member, Green Museums Steering Committee, Department of the Environment, City of Chicago; Volunteer, Treekeeper, Openlands/City of Chicago.

FIELDWORK AND RESEARCH TRAVEL, 2010

DEPARTMENT OF ANTHROPOLOGY

L. Antonio Curet

Fieldwork: Ponce, Puerto Rico.

Research: Ponce, Puerto Rico.

Gary Feinman

Fieldwork: Mitla Fortress, Oaxaca, Mexico; Shandong, China.

Christopher J. Philipp

Fieldwork: Rarotonga, Cook Islands; Mangaia, Cook Islands.

Research: Smithsonian Institute, Washington D.C.

Mark Golitko

Fieldwork: AZ and NM.

Research: Idaho State University, Pocatello, ID.

Jonathan Haas

Fieldwork: Fortaleza Valley, Peru.

Research: Barranca, Peru; DeKalb, IL.

Chapurukha M. Kusimba

Fieldwork: Kenya; Madagascar; IL.

Robert D. Martin

Research: Universities of Bern and Zürich, Switzerland.

Linda Nicholas

Fieldwork: Mitla Fortress in Oaxaca, Mexico; Shandong, China.

William A. Parkinson

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

Research: Southern Euboean Exploration Project, Euboea, Greece; Saronic Harbors Archaeological Research Project, Peloponnesos, Greece.

John Edward Terrell

Research: Tokomaru Bay, New Zealand.

Alaka Wali

Fieldwork: Chicago, IL.

Research: Cordillera Azul National Park, Peru.

Patrick Ryan Williams

Fieldwork: Moquegua, Peru; Puno, Peru.

DEPARTMENT OF BOTANY

Michael O. Dillon

Fieldwork: Chile.

Wyatt Gaswick

Fieldwork: Chicago region, IL and IN.

Patrick Leacock

Field Work: Chicago region, IL and IN.

Research: Snow Mountain Ranch, Granby, CO.

Robert Lücking

Fieldwork: Parque Nacional Volcán Irazú, Costa Rica; Parque Nacional Galápagos, Charles Darwin Research Station (CDRS), Santa Cruz, Galápagos, Ecuador; Parque Natural do Caraça, Minas Gerais, Brazil; Parque Nacional Henry Pittier, Estación Biológica Rancho Grande, Aragua, Venezuela; Páramo de Sumapáz, Cundinamarca, Colombia.

Research: Instituto Nacional de Biodiversidad (INBio), Santo Domingo, Costa Rica; Universidad Nacional Autónoma de México (UNAM), México; Charles Darwin Research Station (CDRS), Santa Cruz, Galápagos, Ecuador; Universidade Federal de Sergipe (UFSe), Itabaiana, Brazil; Herbario Nacional de Venezuela, Fundación Instituto Botánico de Venezuela Dr. Tobías Lasser, Caracas, Venezuela; Herbario, Universidad Distrital Francisco José Caldas, Bogotá, Colombia.

Thorsten Lumbsch

Fieldwork: Kenya, Scotland, Spain, Thailand, Tanzania.

Research: Ramkamhaeng University, Bangkok, Thailand; Universidad de Complutense, Madrid, Spain.

Richard H. Ree

Research: Cambridge, MA, Harvard University Herbaria; China, Kunming Institute of Botany.

Gayle Tonkovich

Fieldwork: Cook County, IL (various properties of the Greater Metropolitan Water Reclamation District); Porter County, IN (Indiana Dunes National Lakeshore).

Matt von Konrat

Research: Hungary.

DEPARTMENT OF GEOLOGY

Kenneth D. Angielczyk

Research: Bernard Price Institute for Palaeontological Research, Johannesburg, South Africa; Iziko South African Museum, Cape Town, South Africa; Museum National d'Histoire Naturelle, Paris, France; University of California Museum of Paleontology, Berkeley, California.

Fieldwork: Middle Permian of Karoo Basin, South Africa.

Marlene Hill Donnelly

Research: Volcanoes, Kilauea, HI; Coastal North Cascades, WA.

Jörg Fröbisch

Research: Bernard Price Institute for Palaeontological Research, Johannesburg, South Africa; Council for Geoscience, Pretoria, South Africa; Museum für Naturkunde, Berlin, Germany; Transvaal Museum, Pretoria, South Africa.

Ian Glasspool

Research: University of Illinois, Chicago, IL.

Lance Grande

Fieldwork: Lewis Rance, WY.

Lori Grove

Research: Huntington Library, San Marino, CA.

Philipp R. Heck

Research: Noble Gas Laboratory, Department of Earth Sciences, ETH Zurich, Switzerland; Laboratory for Space Sciences, Washington University, St. Louis, MO.

Fieldwork: Mid-Ordovician marine sediments, Northwestern Illinois.

James L. Holstein

Fieldwork: Green River Formation, Kemmerer, WY; Mid-Cretaceous dinosaurs, San Rafael Swell, UT.

Melanie Hopkins

Fieldwork: Ordovician of east-central Nevada and western Utah.

Peter J. Makovicky

Research: American Museum of Natural History, New York.

Fieldwork: Mid-Cretaceous dinosaurs, San Rafael Swell, UT; Central Transantarctic Mountains.

Paul S. Mayer

Fieldwork: Ordovician shallow marine communities, Ottawa, Ontario, Canada; Middle Devonian Brachiopods, Milwaukee, WI.

Olivier Rieppel

Research: Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China; Peking University, Beijing, China; Zhejiang Museum of Natural History, Hangzhou, China; Paleontological Institute and Museum, Zürich, Switzerland; Museo Civico di Storia Naturale di Milano, Milan, Italy.

Fieldwork: Chaohu, Anhui Province, China.

Akiko Shinya

Fieldwork: Green River Formation, Kemmerer, WY; Mid-Cretaceous dinosaurs, San Rafael Swell, UT.

William F. Simpson

Fieldwork: Mid-Cretaceous dinosaurs, San Rafael Swell, UT.

Paul P. Sipiera

Research: Northern Arizona University, Flagstaff, AZ.

Nathan D. Smith

Research: Burke Museum, Seattle Washington; Ruth Hall Museum of Paleontology, Ghost Ranch, NM; University of California Museum of Paleontology, Berkeley, CA.

Fieldwork: Shalimar Ranch, NE; Ghost Ranch, NM; Central Transantarctic Mountains, Antarctica.

Constance Van Beek

Fieldwork: Green River Formation, Kemmerer, WY; Mid-Cretaceous dinosaurs, San Rafael Swell, UT.

DEPARTMENT OF ZOOLOGY

John M. Bates

Research: Kenya Wildlife Service and National Museums of Kenya, Nairobi, Kenya; Makerere University, Uganda.

Rudiger Bieler

Research: Summerland Key, Tropical Research Laboratory, FL; North Myrtle Beach, SC; Museum of Comparative Zoology, Cambridge, MA; East Carolina University, Greenville, NC; Paleontological Research Institution, Ithaca, NY; Zoological Museum, Copenhagen, Denmark.

Fieldwork: Florida Keys (National Marine Sanctuary etc.); Guana, British West Indies (supported by a grant of the Falconwood Foundation); Saba, Dutch Caribbean (by invitation of the Sea & Learn Environmental Awareness Program).

James H. Boone

Fieldwork: Chiricahua Mountains, AZ; Northerly Island (summer butterfly monitoring), Chicago, IL.

Jochen Gerber

Fieldwork: Midwestern U.S.

Rosemary E. Golding

Fieldwork: Barbados.

Steven M. Goodman

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

Fieldwork: Madagascar: Ankarana, Beanka, Lakato, Fandriana, Kirindy (CFPF); Mozambique: Ilha de Mozambique; Comoros: Grande Comore and Anjouan; Mauritius: different caves.

Shannon J. Hackett

Research: University of Denver.

Lawrence R. Heaney

Research: Philippine National Museum; Smithsonian Institution.

Fieldwork: Mt. Anacuaao, Aurora Province, Philippines.

Chris C. Jones

Fieldwork: IL; IN; WI; San Diego Trough.

Robert F. Inger

Research: Institute of Technology, Bandung, Java.

Corrie S. Moreau

Research: American Museum of Natural History, New York, NY, USA; International Barcode of Life, University of Guelph, Canada.

Fieldwork: Borneo: Malaysia, Sabah, Danum Valley Research Center; Florida Keys: Florida Keys, Florida, USA.

Alfred F. Newton

Research: Museum of Zoology, Lund University, Lund, Sweden; Naturhistoriska Riksmuseet, Stockholm, Sweden; Zoological Museum, University of Copenhagen, Copenhagen, Denmark.

Fieldwork: IL; Denmark; Sweden.

Bruce D. Patterson

Fieldwork: Tsavo Ranchlands, Kenya; Arequipa, Peru.

Alan Resetar

Fieldwork: Lake Michigan south to the upper Wabash River, Northern IN; St. Joseph County Parks' 3rd BioBlitz, Spicer Lake Nature Preserve, New Carlisle, IN.

André F. Sartori

Research: Paris, France.

Petra Sierwald

Research: National Museum of Natural History, Smithsonian Institution, Washington, D.C.; Zoologische Staatssammlung, Munich, Germany.

Fieldwork: FL; Saba, Dutch Caribbean (by invitation of the Sea & Learn Environmental Awareness Program).

W. Leo Smith

Research: Department of Ichthyology, American Museum of Natural History, NY.

Fieldwork: Deep-water trawling in the eastern Pacific Ocean.

William T. Stanley

Research: London, England; Southern Highlands Conservation Project, Mbeya, Tanzania; University of Dar es Salaam, Tanzania.

Fieldwork: Ngorongoro, Tanzania.

Sid E. Staubach

Research: Germany.

Kevin Swagel

Fieldwork: Wisconsin, San Diego Trough.

Margaret K. Thayer

Research: Copenhagen, Denmark; Stockholm and Lund, Sweden.

Fieldwork: Denmark; Sweden; southern and northwestern IL.

Janet R. Voight

Research: Pacific Ocean, San Diego, CA.

Fieldwork: Pacific Ocean, San Diego, CA.

Harold K. Voris

Fieldwork: Thailand.

Jason D. Weckstein

Research: Champaign, IL, Illinois Natural History Survey.

Mark W. Westneat

Research: Nassau, Bahamas.

Fieldwork: Nassau, Bahamas; Kauai, HI; Lake Michigan.

Philip W. Willink

Fieldwork: Suriname; IL.

BIODIVERSITY SYNTHESIS CENTER

Audrey Aronowsky

Fieldwork: South Africa.

Torsten Dikow

Fieldwork: KS; FL; MI; CA; NY; England; France; Costa Rica; Germany.

Richard Ree

Fieldwork: China.

Mark Westneat

Fieldwork: Bahamas.

PUBLIC EDUCATION AND OUTREACH, 2010

DEPARTMENT OF ANTHROPOLOGY

J. P. Brown

Exhibit Development: Lead conservator, Moana Loan of Pacific Material to the Instituto; Nacional de Antropología e Historia, Mexico City; Lead conservator, Pacific Spirits; Gallery and Maori House; Environmental conservator: Mammoths & Mastodons.

Education Programs: One week of courses for visiting conservators and archaeologists from Iraq attending the Field Museum's Iraqi Cultural Heritage Project; Presentation, Anthropology Alliance Event; Presentation, Field Museum Members' Nights.

Other: Behind-the-scenes tours for Education department, visiting scientists, VIPs, etc.

L. Antonio Curet

Media Development: Interviews to several news papers in Puerto Rico, radio and documentary interviews.

Education Programs: Director, Taíno Project, Puerto Rican Arts Alliance.

Public Presentations: Public Lecture in Ponce, Puerto Rico.

Other: Lectures at Aspira, Von Humboldt and Lowell Elementary Schools, Prosser, Roberto Clemente, and Kelvin Park High School, Lake Forest College.

Gary Feinman

Exhibition Development: Curator, Traditions Retold (Nacimientos).

Education Programs: Electronic field trip, emails from the field (Mexico).

Public Presentations: "Traditions Retold," The Field Museum.

Media Development: Web exhibition on Regional Survey: About.com.Archaeology; Press on *The Archaeology of Environmental Change* (C. Fisher, J. Hill, G. Feinman, eds.) print: Center for Desert Archaeology; Press on archaeological research in Michoacan: print: LA Times; Press on *Pathways to Power* (T. D. Price, G. Feinman, eds.): web: gigapedia.com; Press on Maya Blue: web: Akumal Direct; Press on Aztec economy interview with MSNBC: web: msnbc.msn.com; Press on political complexity interview with *Nature*: web: nature.com/news, andaluciainvestiga.com, naukawpolsce.pap.pl; Press on Mitla Fortress Research: print: JM Informativo Seminal (April 18, June 6); web: BBM Noticias, prensadigital.com, Agencia JM, noticiasnet.mx/portal, losmicrofonos.com.mx/Oaxaca; Television: Televisa; Radio: Noticias Oaxaca, La Poderosa (Oaxaca), El Mitleño (at the Field Museum and in Mitla); Press on China research: web: physorg.com/news, EurekaAlert, Les découvertes archéologiques, Paperblog, IndiaTalkies, History of the Ancient World, Múlt-kor történelmi portal, The Info Sage News Updates, Starry Skies Network, Fossil Science, News Tiger, Signs of the Times News, Achaeologydaily.com, TheArchaeologicalBox.com, Newstrack India, Hamburger Abendblatt, Correio Braziliense, ScienceDaily.com, Scientific Blogging, Science Codex, LabSpaces.net, Buzz 7, DiePresse.com, Wissenschaft aktuell; Press on Chocolate: interview: The Mini Page; Press on Traditions Retold: web: Café Media (<http://cafemagazine.com/index.php/articles/157-1012/1293-a-holiday-tradition-born-of-faith-and-culture>); Press on Political Complexity interview with *Nature*: <http://k-review.com.tw/2010/11/01/946/> (Taiwan).

Other: Behind-the-scenes tours for Museum members, visiting scholars, visiting VIPs, etc.

Christopher J. Philipp

Exhibit Development: Moana; Culturas de las isles del Pacífico, Instituto Nacional de Antropología e Historia, México City.

Public Presentations: Women's Board Annual Meeting.

Other: Behind-the-scenes tours for Institutional Advancement, Group Sales, Administration, Auxiliary Groups, Museum members, visiting specialists, visiting VIPs; Anthropology Alliance evening events.

Mark Golitko

Education Programs: Training, Iraq Cultural Heritage Project.

Programs: Field Museum Members' Nights.

Jonathan Haas

Media Development: Multiple interviews on National Public Radio, BBC; Television Interview on Ancient Americas Spanish language television.

Jamie Kelly

Other: Behind-the-scenes tours for Institutional Advancement, Group Sales, Administration, Auxiliary Groups, Museum members, visiting specialists, visiting VIPs; Anthropology Alliance evening events; Members Nights.

Debbie Linn

Exhibit Development: Conservator, *Lasting Impressions: Chinese Rubbings at the Field Museum*; Courier, *Father Ricci in China*, Braccio di Carlo Magno, The Vatican, Rome, Italy.

Education Programs: Object handling and exhibits preparation workshops for the Chicago Cultural Alliance; Lecturer, Board of Trustees and representatives from the Chinese Consulate; Lecturer, Anthropology Alliance; Field Museum Members' Nights.

Other: Behind-the-scenes tours and guided tours of the Chinese rubbings exhibit for Institutional Advancement, the President's Office, new Trustees, visiting VIPs (members of the Founder's Council, members of the Women's Board, repatriation representatives from various tribes, etc), museum professionals and interns, etc.

Robert D. Martin

External: Scientific Advisory Committee member, Duke University Lemur Center; Co-organization of spring and fall Leakey Lectures (jointly sponsored by The Field Museum and the Leakey Foundation).

Linda Nicholas

Education Programs: Digital images for G. Feinman's electronic field trips (Mexico).

Media Development: Web exhibition on Regional Survey: About.com.Archaeology; Press on Mitla Fortress Research: print: JM Informativo Seminal (April 18, June 6); web: BBM Noticias, prensadigital.com, Agencia JM, noticiasnet.mx/portal, losmicrofonos.com.mx/Oaxaca; Television: Televisa; Radio: Noticias Oaxaca, La Poderosa (Oaxaca), El Mitleño (at the Field Museum and in Mitla); Press on China research: web: physorg.com/news, EurekaAlert, Les découvertes archéologiques, Paperblog, IndiaTalkies, History of the Ancient World, Múlt-kor történelmi portal, The Info Sage News Updates, Starry Skies Network, Fossil Science, News Tiger, Signs of the Times News, Archaeologydaily.com, TheArchaeologicalBox.com, Newstrack India, Hamburger Abendblatt, Correio Braziliense, ScienceDaily.com, Scientific Blogging, Science Codex, LabSpaces.net, Buzz 7, DiePresse.com, Wissenschaft aktuell.

Ruth E. Norton

Exhibit Development: Exhibition Conservation Coordinator; Conservator, *Conservation Hall*; Conservator, *Tibet Deinstall*; Conservator, *Gold*; Conservator, *Design for a Living World*.

Education Programs: Course presentation for Iraqi conservators and archaeologists participating in the Field Museum Iraqi Cultural Heritage Project; Field Museum Members' Nights; Planning group for Women's Board event *Couture in Culture: Dialog with Maria Pinto and Alaka Wali*.

Other: Behind-the-scenes tours for Institutional Advancement, Women's Board, visiting VIPs, Auxillary Groups, Board Relations, Major Gifts, etc. Anthropology Alliance evening events; Conservation consultation for Trustees and members of Women's Board.

William A. Parkinson

Exhibit Development: Lead Curator, *Atlantis* Exhibit.

Education Programs: Field Museum Members Nights; Ask A Curator Day on Twitter; Field Museum Expeditions.

Public Presentations: Early European Villages: The Building Blocks of Western Civilization; Invited lecture presented to the Anthropology Alliance and Field Explorers, Field Museum, February 18, 2010; Early Village Social Dynamics in Southeastern Europe; Invited "Brown Bag" lecture presented to the Department of Anthropology, Field Museum, February 4, 2010.

Web Projects: Field Museum Expeditions: Uncovering Early Village Life in Southeastern Europe: The Körös Regional Archaeological Project;

http://www.fieldmuseum.org/expeditions/parkinson_expedition/about.html.

Other: Behind-the-scenes tours for Institutional Advancement, Anthropology Alliance, visiting VIPs, etc.

Helen Robbins

Media Development: Interviews: Chicago Tribune; Chicago Sun Times; Globe and Mail; NPR; CBC Radio; CBC television; CBC news; Inuktitut Radio.

John Edward Terrell

Exhibits: Mexico Pacific Exhibition Loan Committee.

Programs: Field Museum Members' Nights.

Other: Behind-the-scenes tours for visiting specialists, and VIPs, etc.; Anthropology Alliance evening events.

Alaka Wali

Exhibit Development: Curatorial Liaison for Marae Gallery exhibits: Hapa—Part Asian, 100% American; Content Development Specialist, Permanent Exhibit- Abbott Hall of Conservation.

Education Programs: Opening of Hapa—Part Asian, 100% American; Presentation to the Field Museum Ambassadors Educators; Presentation for the CafeScience Program of the Education Department.

Public Presentations: Anthropology Alliance, Women's Board Annual Meeting.

Web Projects: Lake Park Crescent Building Community.

Other: Behind-the-scenes tours for Institutional Advancement, New Trustees Orientations.

Patrick Ryan Williams

Exhibit Development: Exhibit Panelist, The Realm of the Condor: Wari, the Art of a Pre-Inca Empire. Cleveland Museum of Art. October 28–30, 2010.

DEPARTMENT OF BOTANY

Mark Alvey

Education Programs: Field Museum Members' Nights; Chicago Public Schools Teacher workshop; numerous behind-the-scenes tours.

Anna Balla

Education Programs: Field Museum Members' Nights.

Laura Briscoe

Education Programs: Field Museum Members' Nights.

William Burger

Education Programs: Field Museum Members' Nights.

Michael O. Dillon

Public lecture/seminar: Universidad de Atacama, Copiapó, Chile.

Web Projects: Developer and webmaster, Andean Botanical Information System, ABIS (www.sacha.org).

Darlene Dowdy-Pritchett

Education Programs: Field Museum Members' Nights.

Krysta Duran

Education Programs: Field Museum Members' Nights.

Wyatt Gaswick

Education Programs: Field Museum Members' Nights.

Anders Hagborg

Education Programs: Field Museum Members' Nights; various behind-the-scenes tours.

Sabine Huhndorf

Education Programs: Field Museum Members' Nights.

Maria Lucia Kawasaki

Education Programs: Field Museum Members' Nights.

Web Projects: Contributor, *R. Aguilar et al. Flowering Plants of the Osa Peninsula, Costa Rica, The New York Botanical Garden* (http://sweetgum.nybg.org/osa/family_list.php); *S. Mori et al. Plants and Lichens of Saba, The New York Botanical Garden* (<http://sweetgum.nybg.org/saba/taxon.php?irn=786>); *G. Davidse et al. Flora Mesoamericana, Missouri Botanical Garden* (http://mobot.mobot.org/cgi-bin/search_vast).

Patrick Leacock

Education Programs: Field Museum Members' Nights; behind-the-scenes tours.

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

Web Projects: Content and Design Developer, *vPlants: A Virtual Herbarium of the Chicago Region*, [vPlants.org](http://vplants.org); Content developer, *North American Mycological Association Voucher Program* website.

Robert Lücking

Education Programs: High School Education Program, Teachers Workshops at The Field Museum, Visit to Chicago Public Schools (CPS).

Thorsten Lumbsch

Education Programs: Educator Event, Field Museum Members' Nights, Scientists in the School Program.

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

Joanna McCaffrey

Education Programs: Field Museum Members' Nights.

Christine Niezgoda

Education Programs: Field Museum Members' Nights.

Other: Herbarium tours for various external groups including Chicago Botanic Garden, Olivet Nazarene University, Bourbonnais, IL, North Park University, Loyola University, Summer Intern Program tour, as well as Field Museum Trustees, Annual Fund members, and other Institutional Advancement constituents.

Richard H. Ree

Education Programs: Field Museum Members' Nights.

Web Projects: Developer, Biodiversity of the Hengduan Mountains web site/database.

Gayle Tonkovich

Web Projects: Coordinator, *vPlants: A Virtual Herbarium of the Chicago Region*, <http://www.vplants.org>; Collaborator and Contributor, *Keys to Nature Project*, <http://fm1.fieldmuseum.org/keystonature/>.

Matt von Konrat

Education Programs: Presentations & Workshops: (Spring and Fall) Lincoln Park Conservatory, Chicago Park District, Chicago; Educator Open House, Field Museum; Scientist Talk at Perspectives High School.

Web Projects: Editor, Liverworts, The New Zealand Plant Conservation Network (www.nzpcn.org.nz); Editor, Bryophytes, DiscoverLife (www.discoverlife.org/bryophyta); Developer & Editor of the GBIF funded Early Land Plants Today (<http://www.early-land-plants-today.org>); Contributor, www.biology.duke.edu/bryology/LiToL/.

Other: Field Museum Members' Nights; various Behind-the-Scenes Tours.

DEPARTMENT OF GEOLOGY**Kenneth D. Angielczyk**

Education Programs: Field Museum Members' Nights.

Outreach Programs: Featured in exhibit video about African rift valley mural; Presenter at Siebel Scholars event; Participant in Mayor's Luncheon in Honor of Experience America.

Media Development: Research coverage online by: *National Geographic*; BBC; *The Telegraph*; *The Times*; *The Sydney Morning Herald*; *USA Today*, others.

Web Projects: Collaborator, *I Dig Brazil!*; Field Museum-BioSync-Global Kids.

Other: Tour of Geology Department for summer interns (With Philipp Heck); Annual Fund event on "I Dig Brazil."

Marlene Hill Donnelly

Education Programs: Field Museum Members' Nights.

Jörg Fröbisch

Media Development: Various interviews with local and international media (including *Discovery*, *Science Daily*, *New Scientist*) on Antarctica as a refuge for land vertebrates during the Permian-Triassic mass extinction. *National Geographic Magazine*; *National Geographic Society—Naked Science*, TV show on a giant marine predator from the Middle Triassic of Nevada.

Web Projects: Collaborator, *I Dig Brazil!*

Ian Glasspool

Education Programs: "Fossil Plant Lab" Northwestern University and Cornell College, Mt. Vernon, IA, held at The Field Museum.

Exhibition Development: Content advisor, *Conservation Hall, RoboSUE*.

Media Development: Research on fire and oxygen discussed on BBC Radio 4 (*Material World*), and covered by websites including *Discovery News*, *Science Daily*, and the *Montreal Gazette*.

Web Projects: Content Advisor, *I Dig Brazil!*

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

Lance Grande

Education Programs: Field Museum Members' Nights; Docent training at The Field Museum.

Media Development: WTTW *Chicago Tonight* for *Gems and Gemstones*.

Exhibition Development: Updates and revisions to *Grainger Hall of Gems*.

Lori Grove

Exhibition Development: Illustrator, *Mammoths and Mastodons*.

Public Presentations: Scientific Illustration/Advanced Scientific Illustration class, Department of Visual Communications Design at the School of the Art Institute of Chicago.

Other: Museum tours for art school graduates seeking museum careers or internships.

Philipp R. Heck

Education Programs: Field Museum Members' Nights; Invited scientist at the Day of Science "Ask a Scientist."

Exhibition Development: Content Advisor, *Mifflin Meteorite*.

Public Presentations: Field Museum Founders Council Luncheon; Naperville Astronomical Association; University of Chicago and Chicago Council on Science and Technology; Community outreach event, Chamber of Commerce, Platteville, WI; Swiss-American Business Council and General Consulate of Switzerland Event, Field Museum; Donor reception hosted by Mrs. Janet Diederichs; University of Chicago's Physical Science Division Visiting Committee at the Field Museum; Womens' Board Gala for the opening of *Gold; Freedom Gala*, Pritzker Military Library.

Media Development: Several interviews for the *Chicago Tribune*, WTTW *Scientific Chicago*, WBEZ Chicago Public Radio.

Web Projects: Development and production of new website for the Robert A. Pritzker Center for Meteoritics and Polar Studies.

Other: Ribbon cutting and opening ceremony of the *Napthali Ben Jacob Pritzker American History Wing*, Chicago History Museum; Meteorite identification for the general public; Behind-the-scenes tours (approximately bi-weekly) of the Robert A. Pritzker Center for Meteoritics and Polar Studies.

James L. Holstein

Education Programs: Field Museum Members' Nights; Field Ambassadors training program; *Dozin' with the Dinos* workshop.

Public Presentations: Invited Lecturer, University Club; Invited Lecturer, Earth Sciences Club of Northern Illinois; Invited Lecturer, Hoffman Estates High School.

Other: Donor tours: Fossil Prep Laboratories; Donor Tours: Meteorite collection; Meteorite identifications for the general public. Outreach visit to Iowa-Grant School, WI.

Scott Lidgard

Education Programs: Field Museum Members' Nights; Guest Lecturer for History of Biology course, University of Wisconsin, Madison.

Public Presentations: Behind-the-scenes tours; On-site lectures for college and university classes; Fossil identification for members of the public.

Web Project: Developer and maintainer, *BryoZone* website, an Interactive Global Reference for Phylum Bryozoa.

Peter J. Makovicky

Education Programs: Field Museum Members' Nights; Organizer, SUE Symposium, for high school students.

Exhibition Development: Content advisor, *RoboSUE, and Waking the T. rex - The Story of SUE*. Café Science presentation, June 24th, "SUE in 3D."

Paul S. Mayer

Education Programs: Field Museum Members' Nights.

Public Presentation: Earth Science Club of Northern Illinois; Des Plaines Earth Science Club.

Other: Field trip leader, Shell Club of Chicago; Science Olympiad paleontology identification session; Specimen display for Earth Science Club of Northern Illinois; Various behind-the-scenes collections tours.

Olivier Rieppel

Education Programs: Field Museum Members' Nights.

Media Development: Various media interviews on the construction and management of geological parks in Guizhou and Yunnan Provinces, China.

Other: Presenter, The Field Museum Board of Trustees Meeting.

Akiko Shinya

Education Programs: Field Museum Members' Nights; Dozin' with the Dinos overnights; Specimen Conservation, Harris Education Loan Program; Leader, Fossil Hunt at Mazon Creek.

Exhibit Development: Fossil Conservation, *Mammoths and Mastodons*.

Media Development: Various media interviews on "How to prepare 'sharp tooth' Ichthyosaur?"

Other: Various behind-the-scenes lab and collections tours; Fossil identification for members of the public.

William F. Simpson

Education Programs: Field Museum Members' Nights; several tours during Overnights associated with SUE's 10th anniversary programming.

Media Development: Participant, WGN live TV show on fossils; Collections assistance to produce photographs for EOL species pages on *Mammuthus* and *Mammut*; Various media interviews on paleontology such as BBC interview on SUE.

Other: Various behind-the-scenes tours: donors, university groups; Fossil identification for members of the public.

Paul P. Sipiera

Education Programs: Field Museum Members' Nights.

Public Presentations: From May through October provided educational programs for the Platteville, Wisconsin Chamber of Commerce to help recover specimens and collect field data from the Mifflin, WI meteorite fall. Featured speaker at a breakfast meeting of the *Optimists Club of Platteville*, Wisconsin on the scientific importance of meteorites. Conducted a workshop on meteorite identification at the Lizzadro Museum of Lapidary Art in Elmhurst, Illinois. Host, monthly (May through October 2010) astronomy viewing sessions, Elizabeth, IL.

Media Development: Served as the featured scientist on several radio and television interviews dealing with the April 14, 2010 fall of the Mifflin, WI meteorite. In addition, was interviewed by numerous newspaper and magazine reporters concerning many different aspects of the meteorite.

Nathan D. Smith

Education Programs: Provided text, photos and other media (including weekly dispatches, Q&As, and video podcasts) for the Field Museum's "Expeditions" web-based programming (www.fieldmuseum.org/expeditions), as part of a field project in the central Transantarctic Mountains; Presented a lecture and tour of FM collections and research facilities at the Field Museum in Project Exploration's Junior Paleontologist program.

Public Presentations: Presented lecture "Disease to Dinosaurs: Evolutionary Research at the Field Museum," tour of collections and research facilities for Argonne Labs; Tour of FM collections and research facilities and video interview for Columbia College's High School Summer Institute Broadcast Journalism class; Presented lecture "What the FMNH can do for you (and what you can do for the FMNH): Science, Society, and the Media" and tour of FM collections and research facilities for Columbia College's "Columbia Links" program (www.columbialinks.org); Presented a lecture and roundtable discussion on the interaction between paleontology and the media to a science journalism class from Columbia College.

Constance Van Beek

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

Media Development: Various media interviews on fieldwork, preparation; appeared in *Waking the T. Rex: the Story of SUE* 3-D movie.

Other: Various behind-the-scenes tours, private tours for donors, Geology clubs and teachers' groups; fossil identification for visitors.

Lindsay E. Zanno

Education Programs: Teacher Training: Early Elementary Science Partners (E2SP);

Media Development: Media Interviews on press release of research published in *Proceedings of the National Academy of Sciences* with international syndication in newspapers and websites. Science advisory for BBC production “*Planet Dinosaur*.”

Public Presentations: Invited speaker for the Annual Fund event, invited speaker for the Field Explorer “Conversations and Cocktails.” Womens Board Annual Luncheon.

Other: Content advisor, Past Worlds Observatory, Utah Museum of Natural History; various behind-the-scenes tours.

DEPARTMENT OF ZOOLOGY

John M. Bates

Exhibit Development: Collections and Research Lead Content Advisor, Content advisor, *Climate Change*; Content advisor, Pacific Anthropological Collections exhibit sent to Mexico; *Conservation Hall*; Content advisor, *Comer Climate Change Hall*.

Education Programs: Field Museum Members' Nights, DePaul University Architecture class, Urban leadership Academy class; Morton Arboretum Evolution Course; Chicago Public Schools Posse Immersion Day; Association of Midwestern Colleges.

Public Presentations: TFM Board of Trustees' Collections and Research Committee (value of collections for the study of climate change and ecological disasters); Africa Council; Kenya Wildlife Service.

Media Development: Interview, WTTW (2); interview, Ornithomedia.com; Emerging Pathogens press conference.

Web projects: Content Specialist, Dept. of Zoology, TFM website redesign project; Content Specialist, "Bird Division Reserach in Africa" web site; Content Specialist, African Biodiversity Training Program web site, Content specialist, *Expeditions Amazonia*.

Other: Seiben Energy Summer Intern tour, Simmons Family, Various collection tours and presentations about the Department of Zoology and the Bird Division.

Rüdiger Bieler

Public Presentations: Various lectures on molluscan diversity, including scientific guest lectures on Saba, Dutch Caribbean (by invitation of the Sea & Learn Environmental Awareness Program; <http://www.seaandlearn.org/Experts2010.htm>).

Exhibit Development: Co-development and opening of NSF-funded “Science on the Half-shell” traveling exhibition (beginning at Museum of the Earth, Ithaca, NY); Contributor to FMNH’s upcoming conservation exhibition.

Media Development: Featured curator on Field Museum’s Expeditions site.

http://www.fieldmuseum.org/expeditions/interactive_main.html; Development of bivalve-focused web sites www.bivatol.org, www.bivatol.org/bits and gastropod-focused site at vermetus.org; further development of Malacological Journals & Newsletters <http://emuweb.fieldmuseum.org/iz/Query.php> web sites; use of field and laboratory photographs in various exhibition and textbook projects.

Web Projects: Advisory Board member, Grzimek’s Encyclopedia of Animal Life on the Web.

Other: Various behind-the-scenes tours for visiting VIPs, Members Nights, etc.

James H. Boone

Exhibit Development: Content specialist, *Conservation Hall*.

Education Programs: Field Museum Members' Nights.

Web Projects: Content specialist, Division of Insects web page.

Other: Developer, Insects staff display case; behind-the-scenes tours for Institutional Advancement, new employees, students, visiting specialists.

Jochen Gerber

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes collections tours.

Rosemary E. Golding

Education Programs: Field Museum Members' Nights.

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

Exhibit Development: Curator, *DNA Discovery Center*.

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

Media Development: Emerging Pathogens Press Conference and subsequent interviews (Chicago Tribune); Interview and weeklong internship for Medill School of Journalism students; Sarah White and Ben Richmond, Northwestern University.

Web Projects: Member, Project Sponsor's Group, Field Museum web redevelopment project; 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.

Other: presentations to Field Museum Women's Board, Frotencac Corporation; behind-the-scenes tours for various groups; Participant, Ask a Curator day on Twitter.

Lawrence R. Heaney

Education Programs: Field Museum Members' Nights.

Media Development: Interviewed on WBEZ about new publication on the conservation status of global vertebrates and the effectiveness of conservation actions.

Exhibit Development: Content Specialist for "Islands" section of new Conservation Hall, and active participant in "Collections" section.

Other: Behind-the-scenes tours of research and collection areas for Institutional Advancement.

Mary Hennen

Education Programs: Field Museum Members' Nights.

Media Development: Evanston Roundtable; *Chicago Tribune*; UIC News.

Other: Behind-the-scenes tours for Dozin' with the Dinos, summer interns, Shedd Aquarium; EPA-WISE (Women in Science and Engineering) Conference; Bell Elementary School; Chicago Botanic Gardens; Museum of Science and Industry; Prairie Woods Audubon; Illinois Youth Birders.

Robert F. Inger

Education Programs: Field Museum Members' Nights.

Chris C. Jones

Education Programs: Field Museum Members' Nights.

Other: Various tours of Fishes Division Collections.

Janeen Jones

Education Programs: Field Museum Members' Nights.

Other: Various behind-the-scenes collection tours.

Kathleen Kelly

Education Programs: Field Museum Members' Nights.

Exhibit Development: Conservation Hall.

Other: Various Behind-the-Scenes tours for classes, visiting scholars, and Institutional Advancement.

Corrie S. Moreau

Education Programs: CoolHub Global Science Seminar online live webcast; Ant Course presentation, Sabah, Malaysia, Borneo.

Exhibit Development: Lead curator for “The Romance of Ants” public museum exhibit at the Field Museum (open July 2010 – January 2012).

Public Presentations: University of Illinois at Chicago's Biology Colloquium (BCQ); “High School Transformation Project” Chicago public high school science interns; Served on a faculty panel for the University of Chicago’s Ethics course for all Biology graduate students; School for the Art Institute of Chicago’s entomology course.

Media Development: Lead curator for “The Romance of Ants” public museum exhibit at the Field Museum; Television interview for local FOX morning show for “The Romance of Ants” exhibit; Radio interview for “Walking on Air” for “The Romance of Ants” exhibit; Thomson Reuters ScienceWatch® website featured an interview (February) regarding our 2006 “Science” paper because it was identified by Thomson Reuters Essential Science IndicatorsSM to be one of the most cited papers in the research area of “early ant evolution”; Featured scientist on the Field Museum’s *Expeditions@fieldmuseum* website.

Tours and field trips: Ant Course at Danum Valley Research Station, Sabah, Malaysia, Borneo.

Web projects: Romance of Ants companion website; AntWeb—AntBlog “expert”; Personal Field Museum website; Ant Genomics website.

Other: Ant Course at Danum Valley Research Station, Sabah, Malaysia, Borneo. Various collection tours and presentations about the DNA Discovery Center and Division of Insects.

Alfred F. Newton

Web Projects: Database developer, NSF-PEET project *Austral Staphylinidae* web site.

Bruce D. Patterson

Exhibit Development: Review prospective temporary shows.

Education Programs: Field Museum Members’ Nights; Museology Explorers; introduce lecture by Jay Kirk.

Public Presentations: Fox Run Retirement Community, Orchard Park NY.

Tours and Field Trips: Expedition leader, 2010 tour of southern Tanzania and Rwanda.

Web Projects: personal pages (Google site); Council on Africa (Google site); African Training Program (Google site).

Other: President’s Leadership Council presentation (FMNH).

Martin D. Pryzda

Education Programs: Field Museum Members’ Nights.

Other: Behind-the-scenes tours.

Alan Resetar

Education Programs: Field Museum Members’ Nights.

Exhibit Development: Conservation Hall.

Public Presentations: Presenter, “Herpetology 101”, Cass County France Park, Logansport, Indiana; Presenter, Field Museum booth at “Reptile Rampage” (sponsored by the City of Lake Forest, Wildlife Discovery Center, Lake Forest, Illinois).

Tours and Field Trips: Co-leader – Tour of the Calumet Region for the Conservation Committee of the Garden Club of America.

Mary Anne Rogers

Education Programs: Field Museum Members’ Nights.

Tours and Field Trips: Tanzania Safari: The Great Migration.

André F. Sartori

Education Programs: Field Museum Members' Nights.

Web projects: Curator for Encyclopedia of Life.

Petra Sierwald

Education Programs: American Arachnological Society: Education committee, member.

Public Presentations: Scientific lecture, public lecture, children program and guided field trip on soil arthropod diversity and myriapod biology on Saba, Dutch Caribbean (by invitation of the Sea & Learn Environmental Awareness Program; see <http://www.seaandlearn.org/Experts2010.htm>).

Web Projects: Advisory Board member: Grzimek's Encyclopedia of Animal Life on the Web; EOL curator in Diplopoda; EoL Education Life Desk group leader.

W. Leo Smith

Education Programs: Presenter, Founder's Council; Presenter, Annual Fund; Presenter, Board of Trustees; Advisor, Summer DNA Discovery Center's DNA Residency Program.

Public Presentations: Presenter, Meet the Scientist Hour, DNA Discovery Center.

William T. Stanley

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

Exhibit Development: Advisor, Conservation Exhibit.

Tours and Field Trips: Tour Leader, Field Museum Tanzania Safari.

Web Projects: Developer, *Mammals of Tanzania*.

Other: Myriad Behind-the-scenes tours for Institutional Advancement, new Trustees, visiting VIPs, etc.

Sid E. Staubach

Education Programs: Field Museums Members' Nights, Field Museums REU Internship program.

Kevin Swagel

Education Programs: Field Museum Members' Nights, Field Museum Behind-The-Scenes. Lead 2009 Calumet Is My Back Yard (CIMBY) Summit tour.

Other: Behind-the-scenes tours for a variety of groups and individuals.

Margaret K. Thayer

Education Programs: Field Museum Members' Nights.

Web Projects: Primary participant, FMNH web rebuild of Division of Insects' EMu collection database and divisional web pages; Webmaster, FMNH-AAUP chapter website.

Janet R. Voight

Education Programs: Field Museum Members' Nights.

Public Presentations: Lecture: League of Underwater Photographers; TFM Board of Trustees.

Media Development: Interviews: London's Daily Mail; CNN Radio; Des Moines Register.

Other: Various collection tours and presentations about the Department of Zoology and Invertebrate Division.

Jason D. Weckstein

Education Programs: Talk to the Scientist hour in Prizker Lab; Dublin Elementary School, Walled Lake, Michigan; Lincolnwood Elementary School, Evanston, Illinois; 2010 DNA Summer Residency program "Team Pathogens" group.

Media Development: Emerging Pathogens Project; tour and demonstration for Northwestern University Journalism practicum students.

Web Projects: expeditions@fieldmuseum.org site.

Other: Various behind-the-scenes tours of Bird Division; presentations on the Emerging Pathogens Project for the Frontenac Corporation, Siebel Scholars, and Africa Council.

Mark W. Westneat

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

Web Projects: Research web site, software development, Encyclopedia of Life, Biodiversity Synthesis Center.

Media Development: MacArthur HASTAC video.

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

Philip W. Willink

Education Programs: Field Museum Overnight; Field Museum Members' Nights; Fish consumption advisory comic book.

Exhibit Development: Content consultant, *Conservation Hall*.

Public Presentations: Chicago Maritime Museum, DuPage River Salt Creek Working group, McCormick Bridgehouse and Chicago River Museum, Colburn (Negaunee Foundation) garden party, Yachtapalooza 2010 (Crowley's Yacht Yard), Kenilworth Union Church (Adult Education Program), Friends of the Chicago River Annual Members' Meeting, University Club of Chicago, Field Museum Board of Trustees.

Media Development: Magazine interview, *In The Field*; Newspaper interview, *Chicago Reader*; Television interview, *ABC World News*, *NBC (Buffalo)*, *NBC (Toledo)*, *Suriname television*, *Split Pillow independent documentary*.

Web Projects: Asian carp in Chicago FAQs page; Online Asian carp game.

Other: Behind-the-scene tours for a variety of groups and individuals.

BIODIVERSITY SYNTHESIS CENTER

Audrey Aronowsky

Education Programs: Members' Night; Tours and donor events; Education Open House: Facilitator for Digital Media Table; presentation to the Founder's Council.

Torsten Dikow

Education Programs: Members' Night.

Joshua Drew

Education Programs: Members' Night, Watson-Armour lecturer.

Sarah Kim

Education Programs: Members' Night.

Beth Sanzenbacher

Education Programs: Members' Night; Tours for donors; Education Open House: Facilitator for Digital Media Table; Guest Facilitator: Museology; presentation to the Founder's Council.

Mark Westneat

Education Programs: Presentor to the Founder's Council.

LIBRARY

Melissa Anderson

Education Programs: Field Museum Member's Night, Donnelley Grant Film screening and Lecture series (3 programs), "Can We Live Without the Elephants" public program.

Other: Behind-the-scenes tour for Illinois Library Association.

Karen Bean

Education programs: Field Museum Members' Nights.

Other: Behind scenes tours and demonstrations for school groups.

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; Donnelley Grant Film Lectures; Field Museum Films on Internet Archive.org; Content Advisor, Ernst & Young 3D Theater Lobby Film Montage; Curator.

Exhibit: Travelogues and Technologies.

Christine Giannoni

Education programs: Field Museum Members' Nights.

Other: Behind-the-scenes tours for visiting scientists, VIP's, etc.

Michael Trombley

Education Programs: Field Museum Member's Night.

OFFICE OF COLLECTIONS AND RESEARCH

Carter O'Brien

Other: Behind-the-scenes tours for Department of Environment staff and interns; Invited performer, "One Seed Chicago," Garfield Park Conservatory, Chicago.

HIGHER EDUCATION, 2010
(College/University Teaching, Graduate Advising, Internships, etc.)

DEPARTMENT OF ANTHROPOLOGY

J. P. Brown

Undergraduate Interns: Victor Kessler, University of Chicago; Tim Murphy, University of Chicago; Lu Yao, Northwestern University.

L. Antonio Curet

Graduate Students Advised: William Pestle, University of Illinois at Chicago.

Graduate Interns: William Pestle, University of Illinois at Chicago; Joshua Torres, University of Florida.

Courses: “Caribbean Archaeology,” Northwestern University; “The Archaeology of Food,” University of Illinois at Chicago; “Introduction to the Science of Archaeology,” DePaul University; “Teoría Arqueológica,” Universidad de los Andes, Bogotá, Colombia.

Gary Feinman

Undergraduate Student Awards: Hilary Leathem (University of Illinois at Chicago), Anthropology Alliance Internship.

Undergraduate Interns: Sarah Hallstrom, University of Missouri; Heather Kearney, Iowa State University; Hilary Leathem, University of Illinois at Chicago; Alicia Nieves, University of Pittsburgh.

Undergraduate Student Advisees: Senior thesis: Lacey Carpenter, Northwestern University.

Graduate Student Interns: Keitlyn Alcantara, University of Chicago; Kara Bantz, University of Illinois at Chicago; Elise Enterkin, University of Illinois at Chicago.

Alan Francisco

Undergraduate Student Interns: Nicole Evans; North Central College, Naperville, IL; Laura Horan, University of Illinois, Urbana-Champaign; Sachiko Koike, California State University, Chico, CA; Eleanor Olszewski, University of Illinois, Urbana-Champaign.

Mark Golitko

Teaching: Analytical Archaeology, University of Illinois at Chicago.

Jonathan Haas

Graduate Students Advised: Edward Jackitis, Northern Illinois University; Khristin Landry, Northern Illinois University; Matthew Piscitelli, University of Illinois at Chicago; Rebecca Winker, Northern Illinois University; Jennifer Wulffen, University of Illinois at Chicago.

Teaching: Museum Anthropology, UIC.

Jamie Kelly

Graduate Interns: Nadia Arambula, University of Washington; Amy Zillman, Northwestern University.

Undergraduate Interns: Tiffany Nichols, DePauw University; Sarah Urban, University of Illinois at Chicago.

Chapurukha M. Kusimba

Graduate Students Advised: Kong Cheong, Kennesaw State University; Nam Kim, University of Illinois at Chicago; Carla Klehm, University of Texas at Austin; Colin LeJeune, University of Illinois at Chicago; Erendira Quintana-Morales, University of Bristol, UK; Ryan Szysmanski, Northern Illinois University; Cyril Wilson, Indiana University at Terre Haute.

Gloria Levitt

Undergraduate Interns: Nicole Evans; North Central College, Naperville, IL

Debbie Linn

Trainees: Kristine Chisamore, Northern Illinois University; Megan Mueller, Southern Illinois University; Jennie Phelps, University of Chicago.

Undergraduate Interns: Cassandra Davis, The School of the Art Institute of Chicago.

Patricia Lord

Undergraduate Interns: Sachiko Koike, California State University, Chico, CA; Eleanor Olszewski, University of Illinois, Urbana-Champaign.

Robert D. Martin

Teaching: "Primate Evolution," University of Chicago; "Primate Evolution," Primates and Human Evolution program, Paris Center, University of Chicago.

Graduate Students Advised: Cindy Carlson, University of Chicago; Committee Member; Edna Davion, University of Chicago; Committee Chair.

Undergraduate Interns in Biological Anthropology: Tim Murphy, Metcalf Intern, University of Chicago; Lu Yao, Northwestern University.

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

Linda Nicholas

Undergraduate interns: Sarah Hallstrom, University of Missouri; Heather Kearney, Iowa State University; Hilary Leathem, University of Illinois at Chicago; Alicia Nieves, University of Pittsburgh.

Ruth Norton

Teaching: "Conservation of Ethnographic Materials", Graduate course, Art Conservation Department, SUNY Buffalo State College.

Undergraduate interns: Jennie Phelps, University of Chicago.

William A. Parkinson

Undergraduate Interns: Irene Jaramillo, University of Illinois-Champaign-Urbana; Brittany Krichbaum, Ohio State University; Jacqueline Liphardt, Ohio State University; Meagan Luthern, Ohio State University; Kyle Olson, Ohio State University; Danielle Tyson, George Washington University.

Graduate Students Advised: Rebecca Caldaroni, University of Illinois at Chicago; Rory Denison, University of Illinois at Chicago; Joshua Englehardt, Florida State University; Nam Kim, University of Illinois at Chicago; James Meierhoff, University of Illinois at Chicago; Timothy Parsons, Florida State University; Ian Pawn, Florida State University; Tamás Polanyi, Northwestern University; Danielle Riebe, University of Illinois at Chicago; Daniel Seinfeld, Florida State University; Hanneke Hoekman-Sites, Florida State University.

Teaching: 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; Regional Analysis in Archaeology, ANTH 494, ANTH 420, Independent Study, ANTH 596, University of Illinois at Chicago.

Christopher J. Philipp

Undergraduate Interns: Jessica Beier, University of Illinois at Urbana-Champaign; Katherine Horskotte, Macalester College; Elizabeth Olveda, University of Notre Dame; Sarah Schoetz, University of California, Santa Cruz.

Helen Robbins

Undergraduate Intern: Emily Atkinson, Smith College.

John Terrell

Undergraduate Student Interns: Elizabeth Durham, Carleton College (Regenstein); Sara Hamdan, University of Illinois at Chicago; Surja Kundu, Amherst College.

Graduate Student: Sage Morgan-Hubbard, Ph.D. student, Northwestern University.

Alaka Wali

Graduate Students Advised: Paul Bick, Dept. of Anthropology, University of Illinois at Chicago; Zachary Blair, University of Illinois at Chicago; Evin Rodkey, University of Illinois at Chicago.

Patrick Ryan Williams

Courses: "Landscape Archaeology & GIS", University of Illinois at Chicago.

Graduate Students Advised: Emily Baca, Sofia Chacaltana, John Hicks, Will Pestle, Nicola Sharratt, University of Illinois at Chicago; Robin Coleman, Northwestern University; Ben Vining, Boston University.

Postdoc advised: Mark Golitko, Field Museum.

DEPARTMENT OF BOTANY**Mark Alvey**

Teaching: Guest lecture, Society and The Question of Species, Kaplan Scholars Program, Northwestern University.

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), and University of Chicago Post-Baccalaureate Research Education Program.

Sabine Huhndorf

Postdoctoral Scientist: Matthew Greif.

Robert Lücking

Graduate Students Advised: Adriana Ardila, Universidad Distrital Francisco José Caldas, Colombia; Manuela Dal Forno, George Mason University, Virginia; Jocabed Guerra, Panama; Jesús Hernández, Universidad Simón Bolívar, Venezuela; Daniela Lizano, Universidad de Costa Rica; Dania Rosabal López, Universidad de Oriente, Santiago de Cuba; Nancy Mateus, Universidad Nacional, Colombia; Ricardo Miranda, Universidad Nacional Autónoma de México; Bibiana Moncada, Universidad Nacional, Colombia; Matthew Nelsen, University of Chicago; Alejandrina Bárcenas Peña, Universidad Nacional Autónoma de México; Eimy Rivas Plata, University of Illinois at Chicago; Indira Ramírez, Universidad de Panama; Angélica Rincón, Universidad Nacional, Colombia; Edier Soto, Universidad del Valle, Colombia.

Courses: NSF "Neotropical Epiphytic Microlichens" Workshops Mexico, Costa Rica, Colombia, Venezuela, Brazil.

Thorsten Lumbsch

Postdoctoral Scientists: Steven Leavitt, Israel Perez-Vargas.

Graduate Students Advised: Raquel Pino Bodas, Universidad Complutense de Madrid, Spain; Eimy Rivas Plata, University of Illinois at Chicago; Todd Widholm, University of Illinois at Chicago.

Undergraduate Interns: Jessica Lynn Allen, Eastern Washington University, WA; Natali Chavez, De Paul University, Chicago; Nico Koutsoubelis, Freiburg University, Germany.

Richard H. Ree

Graduate Students Advised: Sara Branco, Edna Davion, Deren Eaton, Matthew Nelsen, Ben Rubin, Ben Winger, University of Chicago; Michael Jorgenson, Diane McCarthy, Jacqueline Van De Veire, University of Illinois at Chicago; Anne Greenberg, Yale University.

Undergraduate Interns: Brian Wray, Northeastern Illinois University.

Teaching: "Phylogenetic Comparative Methods," University of Chicago.

Matt von Konrat

Undergraduate interns: Stephen Battersby, Harold Washington College; Claire Gardien, DePaul University; Zoya Iqbaluddin, Northeastern Illinois University; Emine Kochakova, Oakton Community College; John Patrick Osborne, Northeastern Illinois University; Selina Phan, Northeastern Illinois University; Miguel Rojas, DePaul University; Lynika Strozier, Dominican University.

DEPARTMENT OF GEOLOGY**Kenneth D. Angielczyk**

Graduate Student Advised: NSF REU Intern: Keegan Melstrom, University of Michigan.

Miscellaneous: Presented lecture on the Department of Geology in Shannon Hackett's Introduction to Research at the Field Museum class; Panel member for discussion with GANN grant students (Shannon Hackett) following Dr. Donald Scavia's talk on climate change in the great lakes region.

Marlene Hill Donnelly

Courses: Morton Arboretum: "Scientific Botanical Illustration," certificate required course; Chicago Botanic Garden, certificate required courses: "Botanical Painting and Illustration"; "Botanical Drawing I"; "Botanical Drawing II"; "Color Mixing"; "Landscape Painting in Pastel."

Ian Glasspool

Undergraduate Intern: Chelsea Korpanty, Cornell College, Mount Vernon, IA.

Lance Grande

Courses: "Stones and Bones," A field paleontology course for graduate students, University of Chicago.

Students advised: Jeremy Harris, Loyola University.

Philipp R. Heck

Postdoctoral Scientist: Ashley J. King, University of Chicago.

Graduate Students Advised: Karolina Bjärnborg, Lund University, Sweden; Matthias M. M. Meier, ETH Zurich, Switzerland; Reto Trappitsch, University of Chicago.

Invited Lecture: "Noble Gas Cosmochemistry," lecture for graduate students, University of Chicago.

James L. Holstein

Courses: Teaching assistant, "Stones and Bones," a field paleontology course for graduate students, University of Chicago.

Scott Lidgard

Postdoctoral Fellow: Advisor for Melanie Hopkins.

Graduate Students Advised: Christina Belanger, Department of Geophysical Sciences, University of Chicago; Erin Grey, Kristen Jenkins, Courtney Stepien, Committee on Evolutionary Biology, University of Chicago.

NSF REU Intern: Advisor for Kamil Slowikowski, Loyola University, Chicago.

Peter J. Makovicky

Graduate Students Advised: Brandon Kilbourne, Jonathan Mitchell, Nate Smith, University of Chicago; Clint Boyd, University of Texas, Austin; Federico Ganechinni, Conicet Argentina.

Invited Lecture: Evolutionary Biology class, Loyola University, Chicago.

Olivier Rieppel

Graduate Students Advised: Rebecca Diekow, University of Chicago.

Courses: "Evolutionary Morphology of Vertebrates," undergraduate level, Northwestern University.

William F. Simpson

Undergraduate Student Interns: Jake Crandall, Augustana College; Spencer Hellert, Augustana College; Lisa Vanbiber, NW Missouri State University.

Paul P. Sipiera

Courses Taught: "Honors Astronomy," undergraduate level, Harper College, Palatine, IL.

Nathan D. Smith

Trainees: Supervised (along with Dr. Pete Makovicky) 2 undergraduate summer interns (from Augustana College); Supervised (along with 3 other PIs) 10 graduate students (from University of Utah, University of California, Berkeley, University of Texas, Austin, Johns Hopkins University, Brown University, Stony Brook University), and 5 undergraduate students (from University of California, Berkeley, University of Utah, Brown University, College of the Holy Cross), during paleontological fieldwork in Ghost Ranch, NM. Courses: "Fossil Mammals of the White River Badlands" summer undergraduate course, Augustana College; SERTS Tutor <http://www.northwestern.edu/serts/>. Led a hands-on workshop for four undergraduate non-science majors. Eight hours contact time. Workshop title: "Reconstructing the Tree of Life: Phylogenies and their impact on Society."

Invited Lectures: "Fossils, Phylogeny and Form: Unique contributions of paleontology to understanding evolution," Loyola University, Department of Biology (BIOL 319 Evolution; Dr. Sushma Reddy, Instructor); "Tawa hallae, dinosaur evolution, and paleontology in the media," Columbia College, Science Journalism J-Term course (Peter Buol, Instructor).

Constance Van Beek

Courses Taught: Teaching assistant, "Stones and Bones," a field paleontology course for graduate students, University of Chicago.

Lindsay E. Zanno

Graduate Student Advised: Christopher McGarry, University of Toronto (MS student), Toronto, Canada.

DEPARTMENT OF ZOOLOGY**John M. Bates**

Graduate Students Advised: Emma Gregg, Lucinda Lawson, Aaron Savit, Sarah Weyandt, Ben Winger, University of Chicago; Muhammad Abu Baker, Luca Borghesio, Isabel Caballero, University of Illinois at Chicago; Cathy Bechtoldt, University of Illinois, Champaign-Urbana; Sidnei Melo Dantas, Universidade Federal do Pará; Raoul Davion, Charles Stuart University; Rozenn Bailleul-LeSuer, Oriental Institute; Prince Kaleme, University of Cape Town, South Africa; Potiphar Kaliba, University of Cape Town, South Africa; Marcos Maldonado, University of Missouri, St. Louis; Eliot Miller, University of Missouri, St. Louis; Esther Quintero, American Museum of Natural History; Heather Shull, Boston University.

Undergraduate Interns: Lauren Nowak-Boyd, Michigan State University; Holly Lutz, University of Chicago; Swati Patel, Northwestern University.

High School Interns: Andrew McKean, Sage School, Idaho; Miles Shatkin, Evanston Township High School; Alice Welna, Evanston Township High School.

Teaching: Guest lecturer, University of Chicago "Introduction to The Field Museum" course; Advisor, University of Chicago graduate student Ethics course; Independent reading course, University of Chicago.

Rüdiger Bieler

Graduate Students Advised: John Wilk, University of Illinois at Chicago.

Teaching: "From So Simple a Beginning: Evolution" (with P. Sierwald), University of Chicago.

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

James H. Boone

Undergraduate Interns: Daniel Le, School of the Art Institute Chicago; Gregory Olson, Northwestern University, Gretchen Wilbrandt, Texas Christian University.

Rosemary E. Golding

High School Interns: High School Transformation Project (HSTP), four students.

Steven M. Goodman

Graduate Students Advised: Radosoa Andrianaivoarivel, Patricia Maminirina, Soanandrasana Rahelinirina, Martin Raheriarisena, Zafimahery Rakotomalala, Félix Rakotondraparany, Hery Rakotondravony, Oliarinony Ranalison, Désire Randriamasimanana, Julie Ranivo, Juliana Rasoma, Fanja Ratrimomanarivo, Sama Zefania, Ph.D. students, Université d'Antananarivo; Aristide Andrianarimisa, Joelisoa Ratsirarison, Lily Rene de Roland, HDR students, Université d'Antananarivo; Amyot Kofoky, Tsibara Mbohoahy, Ph.D. students, Université de Toliara; Clément Gilbert, Ph.D. student, Stellenbosch University; Vincent Florens, Ph.D. student, Université de La Réunion; Thesine Naidoo, Taryn Ralph, Leigh Richards, Ph.D. students, University of Kwa-Zulu Natal; Nicole Weyeneth; Ph.D. student, 11 students, Université de Geneve; three DEA students, Université d'Antananarivo; four DEA students, Université de Mahajanga Master's students University of Kwa-Zulu Natal.

Teaching: "Biogéographie des animaux terrestres de Madagascar" (Graduate Student Seminar) et « Modèles de micro-endemism à Madagascar », Université d'Antananarivo; "Anatomie comparée" and "Biogéographie des animaux terrestres de Madagascar" (Graduate Student Seminars), Université de Mahajanga.

Shannon J. Hackett

Staff Scientists Advised: Jason Weckstein, Darren Boss.

Graduate Students Advised: Nicholas Block, University of Chicago; Rebecca Dikow, University of Chicago; Lucinda Lawson, University of Chicago; Aaron Savit, University of Chicago; Nate Smith, University of Chicago; Ben Winger, University of Chicago.

Undergraduate Interns: Alex Grohmann, University of Illinois; Helen Worell, University of Chicago.

High School Interns: Peter Bates, Jamie Carthew, Jenny Gray, Ben Moberly, TJ Schultz, Ethan Shohet Zabin, Aaron Stone, Miles Shatkin, Shannon Smith, Evanston Township High School; Matthew Ahrenholz, Linda Qiu, Whitney M. Young Magnet School; Jessenia Martinez, Benito Juarez Community Academy; Claire Mellish, Jones College Prep, Aileen Nolan, William Howard Taft High School; Anderson Tien, Naperville North High School.

Trainees: Nancy Bigelow, Benito Juarez Community Academy, Carrie Kaestner, John Hope High School; Eric Rosado, Lake Forest Academy; Jennifer Fessler Salazar, Biology teacher, scientist, and writer; Heather Skeen.

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.

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

Graduate Students Advised: Sarah Weyandt, University of Chicago; member of graduate committees for four additional students, one at University of Chicago, two at University of Illinois at Chicago and one at University of Minnesota.

Undergraduate Interns Advised: NSF REU program: Vincent Fitzpatrick, Northwestern University; Alexander Grohman, University of Illinois.

Kathleen Kelly

Undergraduate Interns: Joshua Traub, Loyola University.

High School Interns: Gabriel Hast, Evanston Township High School.

Corrie S. Moreau

Postdoctoral associates: Stefanie Kautz.

Graduate Students advised: Yi Hu, Drexel University; Benjamin Rubin, University of Chicago.

Undergraduate Interns: Jessica De Smet, University of Illinois Urbana-Champaign; Ariadne Lumayag, DePaul University; William Montag, Bowdoin College; Timothy O'Connor, University of Illinois Urbana-Champaign; Sara Zufan, DePaul University.

High School Interns: Alexandra Gray, Deerfield Academy.

Trainees: Rebekah Baquiran; Jesse Czekanski-Moir; Alexandra Westrich; Brian Wray.

Courses: Ant Course, Sabah, Malaysia, Borneo, field-based course.

Invited/guest lectures: University of Guelph, Canada; Michigan State University, East Lansing, MI, USA; Rutgers University, Rutgers, NJ, USA.

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; Edilson Caron, Universidade Federal do Paraná, Brazil.

Bruce D. Patterson

Graduate Students Advised: University of Illinois at Chicago: Mohammad Abu Baker, Carrie Seltzer, Erika Arnold, Natasha Godard, Crystal Guzman; Alex Mwazo Gombe, Kenyatta University, Nairobi, Kenya; Sigit Wiantoro, Universiti Malaysia Sarawak; Eric Hancock; Christopher Schell, University of Chicago; Nate Upham, University of Chicago.

Undergraduate Interns Advised: Hannah Koepll, University of Illinois at Chicago.

Formal Courses: "Off campus grad research," University of Chicago; "Readings: Evolutionary Biology," University of Chicago; "Evolutionary Biology," University of Chicago.

International visiting scholar: Thais Lira, Univ. Fed. Pernambuco, Recife, Brazil.

Invited/guest lectures: Department of Zoology, University of Dar es Salaam, Tanzania (departmental seminar); Department of Zoology, Southern Illinois University, Carbondale IL (departmental seminar); Department of Biological Sciences, Western Kentucky University, Bowling Green KY (departmental seminar).

Alan Resetar

Undergraduate Interns: Joshua Traub, Loyola University.

High School Interns: Gabriel Hast, Evanston Township High School.

André F. Sartori

Undergraduate Intern: Anna Kasicky, Saint Mary's College of Maryland.

Petra Sierwald

Postdoctoral Associates: Thomas Wesener.

Graduate Students Advised: Michael Brewer, Chad Lee Spruill, Lynn Angela Swafford, East Carolina University, North Carolina; João Paulo P. Pena Barbosa, Laboratório de Artrópodes, São Paulo, Brazil; Michael Jorgensen, University of Illinois at Chicago, Robin Mores, University of Illinois at Chicago.

Undergraduate Interns: Stephanie Loria, Sewanee, University of the South, Tennessee, U.S.A; Daniel Lee, School of the Art Institute Chicago, U.S.A; nine REU interns.

Trainees: Nattarin Wongthamwanich, Department of Biology, Chulalongkorn University, Thailand.

Teaching: "From So Simple a Beginning: Evolution" (with R. Bieler), University of Chicago.

Invited/guest lectures: lectures for FMNH and REU and undergraduate interns, summer 2010.

W. Leo Smith

Postdoctoral Associates: Nicholas Lang.

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

Graduate Student Committee Member: Lauren Sallan, University of Chicago.

William T. Stanley

Undergraduate Interns: Shawna Bartnik, Rebeka Jacobson, Patricia Sullivan, Roosevelt University; Erin Cheatum, Western Washington University; Erin Hall, Northeastern Illinois University; James Poyhonen, Northeastern Illinois University; Caitlyn Schmid, Loyola University; Jaewook Song, School of the Art Institute of Chicago; Hannah Joy-Warren, University of Chicago; Mary Wells, Northwestern University.

Margaret K. Thayer

Graduate Students Advised: Dave J. Clarke, University of Illinois at Chicago; sponsored visiting students: Laura Vásquez-Vélez, University of Puerto Rico-Mayagüez (3 weeks, with scholarship support), Sergey Tarasov, Kaluga State University, Russia (1 month, with scholarship support).

Undergraduate Interns: Gracen Brilmyer, School of the Art Institute of Chicago; Mairead Baker, Northwestern University.

Jason D. Weckstein

Postdoctoral Associate: Michel Paiva Valim, CNPq (Brazilian National Science Foundation).

Graduate Student Trainee: Sidnei de Melo Dantas (Ph.D. candidate) Museu Paraense Emílio Goeldi/Universidade do Pará.

Undergraduate Interns: Joseph Cacioppo, University of Chicago; Holly Lutz, University of Chicago; Swati Patel, Northwestern University.

High School Interns: Ari Rice, Glenbrook North High School.

Mark W. Westneat

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

Courses: IGERT training course in motor control and movement, University of Chicago.

Invited/guest lectures: Research at the Field Museum, University of Chicago.

Philip W. Willink

Undergraduate Intern: Elizabeth L. Bartels, University of North Carolina, Wilmington.

BIODIVERSITY SYNTHESIS CENTER**Audrey Aronowsky**

Undergraduate Interns: Marianna Tzeka, Columbia College, Chicago.

Graduate Student Intern: Christopher O'Brien, Columbia College, Chicago.

Torsten Dikow

Undergraduate Interns: Katie Lyons, Nazareth College, Rochester, NY.

Richard H. Ree

Graduate Student Intern: Christopher Baron, DePaul University, Chicago.

Beth Sanzenbacher

Undergraduate Interns: Timothy Sauer, Columbia College, Chicago.

Kristopher Urie

Undergraduate Interns: Marianna Tzeka, Columbia College, Chicago.

Graduate Student Intern: Christopher O'Brien, Columbia College, Chicago.

Mark W. Westneat

Graduate Students Advised: Matt Friedman, Joanna Mandecki, Charlene McCord, University of Chicago.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION**Kevin Feldheim**

Graduate students advised: Andrea Bernard, Nova University; Sheila Langosch, University of Illinois at Chicago.

Training (molecular techniques): William Carrera, Chris Schell, Ben Winger, University of Chicago; Matt Ahrenholz, Whitney M. Young Magnet School; Kelsey Airgood, Manchester College; Jessi Allen, Eastern Washington University; Martin Benavides, Stony Brook University; Nancy Bigelow, Benito Juarez Community Academy; Natali Chavez, DePaul University; Alex Grohman, University of Illinois, Champaign-Urbana; Carrie Kaestner, John Hope High School; Stephanie Loria, Sewanee University; Delanie Losey, Manchester College; Ariadne Lumayag, DePaul University; Will Montag, Bowdoin College; Jessenia Martinez, Benito Juarez Community Academy; Jon McKenzie, University of New Orleans; Clair Mellish, Jones College Prep; Kasey Mennie, Field Museum; Aileen Nolan, William Howard Taft High School; Carolina Oliveira, Roosevelt University; John Osborne, Northeastern Illinois University; Linda Qiu, Whitney M. Young Magnet School; Anderson Tien, Naperville North High School; Eric Rosado, Lake Forest Academy; Jacob Wenger, Manchester College;

Training (microsatellite development): Jillian Henss, Corrie Moreau, Tim O'Connor, Stefanie Kautz, Field Museum; Anchalee Aowphol, Kasetsart University; Andia Chaves-Fonnegra, Nova University; Nicolas Koutsoubelis, Albert-Ludwigs-Universität Freiburg; Lucinda Lawson, University of Chicago; Annika Moe, University of Minnesota; Kellie Murdoch, Roosevelt University; Carolina Oliveira, Roosevelt University; Aaron Savit, University of Chicago;

LIBRARY**Christine Giannoni**

Interns: Constance Jurczyk, College of DuPage Library Technical Assistant Program

OFFICE OF COLLECTIONS AND RESEARCH**Carter O'Brien**

Intern: Craig Schiller, University of Wisconsin, Madison.

TRAINING PROGRAMS, 2010

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. 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 2010.

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 2010, the Scholarship Committee supported eight students with funding from our NSF Research Experiences for Undergraduates (REU) program. **Jessica Lynn Allen** (Eastern Washington University) worked with Assistant Curator Thorsten Lumbsch (Botany) on understanding the evolution of secondary chemistry in lichens. **Mairead Baker** (Northwestern University) researched a new species of Rove Beetle from the Chatham Islands with Associate Curator Margaret Thayer and graduate student David Clarke (both Zoology/Insects). **Vincent FitzPatrick** (Northwestern University) worked with Curator Larry Heaney (Zoology/Mammals) on the evolution and patterns of reproduction in Philippine mammals. **Stephanie Loria** (Sewanee: The University of the South) researched the phylogeny and taxonomy of Madagascar's Chirping Giant Pill-Millipede with Associate Curator Petra Sierwald and Postdoctoral Research Scientist Thomas Wesener (both Zoology/Insects). **Keegan Melstrom** (University of Michigan) worked with Assistant Curator Ken Angielczyk (Geology) on the morphological integration of the turtle shell. **Emily Rudick** (Temple University) researched comparative gill and labial palp morphology in bivalves with Curator Rüdiger Bieler and Postdoctoral Research Scientist Sid Staubach (both Zoology/Invertebrates). **Kamil Slowikowski** (Loyola University, Chicago) worked on Bryozoan biodiversity on the web with Associate Curator Scott Lidgard (Geology). **Sara E. Zufan** (DePaul University) researched the evolution of ant-plant mutualism with Assistant Curator Corrie Moreau (Zoology/Insects).

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 allow 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 2010 intern, **Tiffany Nichols** from DePauw University, researched the archives at the University of Chicago related to Frederick Starr and his involvement with the Ainu at the 1904 Louisiana Purchase Exposition in St. Louis and The Field Museum's Ainu collection. Tiffany produced a finding aid of these archives for use by future researchers to the collection. In addition, she assisted with housing and inventorying the Tibetan ethnographic collection, digitized the original Boone Collection catalog cards for use in the KE-EMu collections database, and assisted with the cataloging and photography of the Java Sea Shipwreck Collection.

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 2010 there were four fieldwork and two collections interns supported by the Anthropology Alliance. **Hilary Leathem** of University of Illinois at Chicago spent part of

the summer conducting archaeological research at the Mitla Fortress with Dr. Gary Feinman and Linda Nicholas. **Jennifer Wulff** of University of Illinois at Chicago, was in Peru with Dr. Jonathan Haas at Norte Chico, Peru. **Rebecca Caroli** of University of Arizona joined Dr. Chap Kusimba for his ongoing work in Kenya. **Emily Baca** of University of Illinois at Chicago joined Dr. Ryan Williams for a season of fieldwork in Peru. **Eleanor Olszewski** of University of Illinois Urbana-Champaign and **Sachiko Koike** of California State University - Chico worked as collection management interns, working with Assistant Registrar Patricia Lord and Collections Manager Gordon Ambrosino, 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 35 years. Twenty-two Field Museum scientists are involved in CEB, comprising more than a third of its faculty and supervising more than half of the program's Ph.D. candidates. Shannon Hackett (Zoology/Birds) serves as Associate Chair of CEB. Field Museum curators currently serve as primary dissertation advisors for 11 CEB students (out of 26 total). 2010 marked the 5th year of support from a highly competitive Department of Education grant 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 three OBA dissertations, bringing to eight the number of OBA students for whom he has served as major advisor; he has also served on nine 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—Field Museum curators collectively chaired ten doctoral committees in 2010—as well as serving on admissions committees, and on search and promotion committees for teaching and faculty positions. 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 Museum and Northwestern. Eight Field Museum anthropology curators have adjunct professor status at Northwestern, and engage in regular teaching duties that are part of the Northwestern University course offerings, and select NU anthropologists have adjunct curator status at the Field. Associate Curator and Chair Ryan Williams co-chaired one Ph.D. dissertation committee to completion in the program in 2010.

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 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 2010. Curator Bruce Patterson (Zoology) serves as 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 2010 The Field Museum provided training in collections-based research to 53 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 seven 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 and undergraduate college students. 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, study and analysis of the collected material. In 2010, six students participated in the program.

Contisuyo Field School

This Field Museum-UIC 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), plus faculty from UIC, the University of Florida, and the Contisuyo Museum. Now in its fifth year, the program hosted five undergraduates and one graduate student in 2010, the majority from UIC and one from Northwestern University.

Proyecto Arqueológico 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. Two UIC Ph.D. students are currently doing dissertations drawing on research conducted as part of this project. Two NIU students are currently working on Master's theses. One Peruvian project member received his Master's Degree degrees from the University of the Andes in Colombia.

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. More than 380 Malagasy students have participated in field schools, and

the program has yielded more than 570 scientific publications. Around 95 Malagasy students earned advanced degrees within the national university system in the fields of zoology and conservation biology, and many ETP graduates have gone on to important posts in the non-government and government sectors on Madagascar and are advancing conservation programs there. 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 Geneva (Switzerland). Vahatra publishes a scientific journal known as *Malagasy Nature*, dedicated to the natural history of Madagascar and neighboring islands.

Training Programs in Latin American Lichenology and Mycology

Lichens are key indicators of environmental health and sources for pharmaceutically active compounds, but still are a poorly-known group. Collections Manager and Adjunct Curator Robert Lücking (Botany) has conducted ongoing training programs for Latin American Lichenology and Mycology students and professionals since 2002, including courses at Universidad de Costa Rica, Universidad Peruana Cayetano Heredia in Lima, Peru, and Las Cruces Biological Station in Costa Rica (sponsored by the Organization for Tropical Studies). In 2007 Dr. Lücking launched an NSF-funded project that will support lichen workshops in 12 Latin American countries through 2011, covering tropical lichenology, quantitative field sampling methods, and multivariate analysis of community data. As part of this program, in 2010 he conducted workshops in Costa Rica, Mexico, Ecuador, the Galapagos Island, Brazil (Minas Gerais and Sergipe), Venezuela, and Colombia, training some 85 students and early-career scientists.

East Asian Lichenology and Mycology

Associate Curator and Chair Thorsten Lumbsch (Botany) has had an active training program for students interested in Lichenology and Mycology in East Asia since 2006. He is currently advising two Ph.D. students in Thailand and collaborating with two working groups. In 2010 Dr. Lumbsch traveled twice to Thailand for field trips and meetings with his students and collaborators. His collaborator Professor Khwanruan Papong came to Chicago for two research visits (six months total) to work with Thorsten, funded by the Scholarship Committee and a grant from the Thai government.

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 2010, the project provided advanced training in field research techniques to five people, from a local government office, two national conservation organizations, a university, and a museum. A colleague from the National Museum also came to Chicago for training in preparing manuscripts for publication.

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, makes major grants to support intensive studies of "under-studied" organisms, with training a major component of each project. Projects provide comprehensive training in collections-based, monographic studies for postdoctoral

associates, graduate students, and undergraduate interns. The Field Museum had two PEET grants underway in 2010:

- Margaret Thayer (Zoology): "Monography, Phylogeny, and Historical Biogeography of Austral Staphylinidae (Coleoptera)."
- Petra Sierwald (Zoology): "The Diplopoda: Research, Taxonomic Training and Computerization."

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. 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 2010 lab staff trained 44 new users, ranging from high school interns to Ph.D. students to international scientists, including visitors from Germany, Thailand, Spain, and Brazil. Study topics included bamboo sharks, lichenized fungi, birds, sponges, snakes, sturgeon, fish and coyotes.

INTERNS, 2010

HIGH SCHOOL INTERNS

Pritzker Laboratory for Molecular Systematics and Evolution

Matt Ahrenholz, Whitney M. Young Magnet School; Jessenia Martinez, Benito Juarez Community Academy; Clair Mellish, Jones College Prep; Aileen Nolan, William Howard Taft High School; Linda Qiu, Whitney M. Young Magnet School; Anderson Tien, Naperville North High School; Alli Gray, Deerfield Academy High School.

Department of Anthropology

Melissa Clark, Maria Sabater, Wheaton North High School.

Department of Botany

Briana Brown, Marine Military High School; Anthony Couch, Robeson High School; Ahsaki Cusick, Robeson High School; Scymone Dortch, Bogan High School; Michael Niezgoda, Lyons Township High School.

Department of Geology

Spencer Hellert, Augustana College, Rock Island, IL; Kamil Slowikowski, Loyola University; Lisa Vanbiber, NW Missouri State University.

Department of Zoology

Matthew Ahrenholz, Whitney M. Young Magnet School; Brianna Brown, Marine Math and Science Academy/Military High School; Anthony Couch, Paul Robeson High School; Ahsaki Cusick, Paul Robeson High School; Scymone Dortch, William J. Bogan High School; Gabriel Hast, Evanston Township High School; Vincent Kenney, St. Ignatius High School; Jessenia Martinez, Benito Juarez Community Academy; Claire Mellish, Jones College Prep High School; Aileen Nolan, William Howard Taft Magnet School; Linda Qiu, Whitney M. Young Magnet School; Ari Rice, Glenbrook North High School; Miles Shatkin, Evanston Township High School; Shannon Smith, Evanston Township High School; Mark Swanson, John Hersey High School; Anderson Tien, Naperville North High School; Alice Welna, Evanston Township High School.

UNDERGRADUATE STUDENT INTERNS

Department of Anthropology

University of Chicago: Rebecca Aguilar, Victor Kessler, Leah Reisman, Tim Murphy; University of Illinois, Champaign-Urbana: Eleanor Olszewski, Jessica Beier, Laura Horan, Irene Jaramillo; University of Illinois at Chicago: Hilary Leathem, Sarah Urban, Sara Hamdan; Emily Atkinson, The Ohio State University: Jacqueline Lipphardt, Meagan Luthern, Kyle Olson, Brittany Krichbaum, Smith College; Cassandra Davis, the School of the Art Institute of Chicago; Elizabeth Durham, Carleton College; Nicole Evans, North Central College; Sarah Hallstrom, University of Missouri; Katherine Horstkotte, Macalester College; Heather Kearney, Iowa State University; Sachiko Koike, California State University-Chico; Surja Kundu, B.A., Amherst College; Tiffany Nichols, DePauw University; Alicia Nieves, University of Pittsburgh; Elizabeth Olveda, University of Notre Dame; Sarah Schoetz, University of California, Santa Cruz; Eileen Sleesman, Wheaton College, IL; Danielle Tyson, George Washington University; Lu Yao, Northwestern University;

Department of Botany

Zoya Iqbaluddin, Selina Phan, Miguel Rojas; Northeastern University; Natali Chavez, Claire Gardien, John Patrick Osborne, Depaul University; Stephen Battersby, Harold Washington College; Dan Gordon, Harold Washington College; Emine Kochakova, Oakton Community College; Lynika Strozier, Dominican University.

Department of Geology

Jake Crandall, Augustana College; Spencer Hellert, Augustana College; Chelsea Korpany, Cornell College

Department of Zoology

Matthew Ahrenholz, Whitney M. Young Magnet School; Brianna Brown, Marine Math and Science Academy/Military High School; Anthony Couch, Paul Robeson High School; Ahsaki Cusick, Paul Robeson High School; Scymone Dortch, William J. Bogan High School; Gabriel Hast, Evanston Township High School; Vincent Kenney, St. Ignatius High School; Jessenia Martinez, Benito Juarez Community Academy; Claire Mellish, Jones College Prep High School; Aileen Nolan, William Howard Taft Magnet School; Linda Qiu, Whitney M. Young Magnet School; Ari Rice, Glenbrook North High School; Miles Shatkin, Evanston Township High School; Shannon Smith, Evanston Township High School; Mark Swanson, John Hersey High School; Anderson Tien, Naperville North High School; Alice Welna, Evanston Township High School.

Pritzker Laboratory for Molecular Systematics and Evolution

Kelsey Airgood, Manchester College; Jessi Allen, Eastern Washington University; William Carrera, University of Chicago; Natali Chavez, DePaul University; Alex Grohman, University of Illinois, Urbana-Champaign; Stephanie Loria, Sewanee University; Delanie Losey, Manchester College; Ariadne Lumayag, DePaul University; Kellie Murdoch, Roosevelt University; John Osborne, Northeastern Illinois University; Jacob Wenger, Manchester College; Will Montag, Bowdoin College; Sara Zufan, DePaul University.

GRADUATE STUDENT INTERNS**Department of Anthropology**

Keitlyn Alcantara, University of Chicago; Nadia Arambula, University of Washington; Kara Bantz, University of Illinois at Chicago; Elise Enterkin, University of Illinois at Chicago; Sage Morgan-Hubbard, Northwestern University; Amy Zillman, Northwestern University.

Department of Botany

Christopher Baron, DePaul University; Elizabeth K. Karczynski, Northern Illinois University

Department of Geology

Jake Crandall, Augustana College; Spencer Hellert, Augustana College; Chelsea Korpany, Cornell College; Kamil Slowikowski, Loyola University; Lisa Vanbiber, NW Missouri State University.

Pritzker Laboratory for Molecular Systematics and Evolution

Martin Benavides, Stony Brook University; Keith Dunton, Stony Brook University; Jimiane Ashe, Stony Brook University; Andia Chaves Fonnegra, Nova University; Annika Moe, University of Minnesota; Carolina Oliveira, Roosevelt University; Jon McKenzie, University of New Orleans.

TEACHER INTERNS

Pritzker Laboratory for Molecular Systematics and Evolution

Nancy Bigelow, Benito Juarez Community Academy; Carrie Kaestner, John Hope High School; Eric Rosado, Lake Forest Academy.

RESIDENT GRADUATE STUDENTS, 2010

DEPARTMENT OF ANTHROPOLOGY

Northwestern University

Robin Coleman

University of Chicago

Edna Davion, Alan Greene

University of Illinois at Chicago

Emily Baca, Gabriel Cantarutti, Sofia Chacaltana, Rebecca Deeb, Rory Denison, John Hicks, Caleb Kestle, James Meierhoff, Lisa Nizoliek, William Pestle, Matthew Piscitelli, Danielle Riebe, Nicola Sharratt, Jennifer Starbird, Jennifer Wulff

DEPARTMENT OF BOTANY

University of Illinois at Chicago

Eimy Rivas-Plata, Todd Widholm

University of Chicago

Sara Branco, Deren Eaton, Matthew Nelsen

DEPARTMENT OF GEOLOGY

Northwestern University

Richard Barclay

University of Chicago

Hilary Christensen, Brandon Kilbourne, Jonathan Mitchell, Nathan D. Smith

DEPARTMENT OF ZOOLOGY

Boston University

Heather Schull

Charles Stuart University

Raoul Davion

University of Chicago

Nicholas Block, Rebecca Dikow, Lucinda Lawson, Joanna Mandecki, Charlene McCord, Aaron Olsen, Ben Rubin, Aaron Savit, Christopher Schell, Timothy Sosa, Thomas Stewart, Nathan Upham, Sarah Weyandt, Ben Winger

University of Illinois at Chicago

Erika Arnold, Mohammad Abu Baker, Isabel Caballero, David J. Clarke, Michael Jorgensen, Carrie Seltzer, Paúl M. Velazco, John Wilk.

Univ. Federal do Pará/Museu Paraense Emilio

Goeldi (Brazil)

Sidnei de Melo Dantas

VOLUNTEERS, 2010

DEPARTMENT OF ANTHROPOLOGY

Heather Baker, Kara Bantz, Jenna Beletic, Janice Bell, C. Thomas Brockmann, Kristin Buskirk, Lacey Carpenter, Meira Chefitz, Magdalyne Christakis, Emma Clark, Joseph Cottral, Connie Crane, Gabriele Da Silva, Victoria DeMartelly, Victoria Drake, Stephen Feinman, Linna Gao, Peter Gayford, William Goldman, Michael Gordon, Elizabeth Haake, Graham Haviland, Brandon Keehner, Devon Krizan, Laurene Lambertino-Urquiza, Hilary Leathem, Leonore Levit, Renee Logan, Diane Luhmann, Jack MacDonald, Eva Mannaberg, Sabina Matachowska, Sam Matthew, Robert McFarland, Tara McGovern, Josephina Meleico, Megan Mueller, Joanna Minderop, Alicia Ortiz, Velia Peterson, Jennifer Phelps, Sarah Pickman, Nathan Pope, Kathleen Ratteree, Rosalind Roser, Maura Ross, Christine Salvator, Helen Samuels, Anastasia Schaefer, Esther Schechter, Barbara Schwartz, Becky Seifried, Monica Sentoff, Stephen Sentoff, Twisha Shah, John Shea, Jie Shi, Tamara Siuda, Beth Spencer, Felice Sperone, Cydney Stasiulus, Hsi-tsin Tsiang, Mary Vermillion, Jean Vondriska, Jeremy Walker, Anna Weiss, Edward Yastrow, Lorien Yonker, Julia Young.

DEPARTMENT OF BOTANY

Stephen Battersby (Flowering Plants), Zorica Dabich (Bryology), Krysta Duran (Data preparation/Digital imaging), Karen Engel (Bryology), Wyatt Gaswick (Mycology), Richard Hyerczyk (Lichenology), Nancy Klaud (Scientific Illustration/Flowering Plants), Joanna McCaffrey (Data preparation/Digital imaging), Alice Piller (Mycology), Walter Reising (Data preparation/Digital imaging), Leon Shernoff (Mycology), Audrey Sica (Flowering Plants), Immanuel Stern (Lichenology).

DEPARTMENT OF GEOLOGY

William D. Adams (Vertebrate Paleontology), Janice Beck (Vertebrate Paleontology), Irene Broede (Vertebrate Paleontology), Steven R. Clawson (Vertebrate Paleontology), Mary Sue Coates (Physical Geology), Larry Coronelli (Paleobotany), Cary Easterday (Invertebrate Paleontology), Mike Eklund (Vertebrate Paleontology), Erin Fitzgerald (Vertebrate Paleontology), Stephen Gieser (Vertebrate Paleontology), Tom Kerstann (Vertebrate Paleontology), Dennis Kinzig (Vertebrate Paleontology), Jason Kluga (Vertebrate Paleontology), Joanne Kluga (Vertebrate Paleontology), John McConnell (Invertebrate Paleontology and Paleobotany), Elisabeth Meeker (Vertebrate Paleontology), Brian Morrill (Vertebrate Paleontology), Timothy Nelson (Vertebrate Paleontology), Karen Nordquist (Vertebrate Paleontology), Clarita Nuñez (Physical Geology), Mary Peters (Vertebrate Paleontology), Catherine Pries (Invertebrate Paleontology), Bob Rosenberg (Vertebrate Paleontology), Anne-Elizabeth Stone (Physical Geology), Charles Struck (Vertebrate Paleontology), Samuel Sullivan (Vertebrate Paleontology), Hedy Turnbull (Vertebrate Paleontology), Karen Vendl (Physical Geology), Mark Vendl (Physical Geology), Aki Watanabe (Vertebrate Paleontology), Meghan White (Vertebrate Paleontology), Rebecca Williams (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

Sarah Akinde (Invertebrates), Lucas Altschwager (Insects), Bob Andrini (Birds), Tom Anton (Amphibians and Reptiles), Paul Baker (Birds), Tom Beauvais (Amphibians and Reptiles), Nancy Bigelow (Insects), Richard Bloomfield (Insects), Helen C. Bonbrest (Invertebrates), Gracen Brilmyer (Insects), Joan

Bruchman (Birds), Casey Buchanan (Birds), Renee Buecker (Insects), Peter Buol (Birds), Drew Carhart (Insects), Stephanie Clark (Invertebrates), Robin Delapena (Insects), Jessica De Smet (Insects), Jameson Doody (Mammals), John Dorshorst (Insects), Stanley Dvorak (Invertebrates), Marion Dunn (Fishes), Alison Ebert (Mammals), Ralph Eiseman (Birds), Josh Engel (Birds), Amanda Franck (Insects), Glenn Gabanski (Birds), Paul Gitau (Birds), Dr. Arlene Ghiron (Insects), Harvey Golden (Mammals), Joan Goldstein (Fishes), Richard Guzik (Invertebrates), Joanna Hosteny (Birds), Jeff Hoswell (Fishes), Gerry Hough (Insects), Graham Hoviland (Mammals), Lisa Hung (Insects), Herbert Hymen (Birds), Edwin Kapus (Invertebrates), Dr. James P. Kase (Insects), Arlene Koziol (Birds), Madelinne Krenn (Insects), Sara Kunkel (Birds), Tess Landon (Insects), Kahlee Leingang (Mammals), Thomas Lesh (Invertebrates), Joanne Levy (Amphibians and Reptiles), Teresa Mayfield (Amphibians and Reptiles), Kasey Mennie (Birds), Jennifer Michaud (Insects), Susan Okey (Insects), Sylvana Peneff (Birds), Roger Reason (Amphibians and Reptiles), Sheila Reynolds (Mammals), Alia Rezk (Mammals), Aspen Reese (Mammals), Alexandra Rose (Invertebrates), Lindsay Rowland (Birds), Justin Schiro (Birds), Meera Sethi (Birds), Twisha Shah-Brandenburg (Insects), Elizabeth Simmons (Insects), Terri Sinnott (Fishes), Heather Skeen (Birds), Dave Strecker (Insects), Diana Sudyka (Birds), Joshua Traub (Amphibians and Reptiles), Sandra Van Tilburg (Birds), Christine Vittoe (Invertebrates), Matthew Vrazo (Invertebrates), David Walker (Invertebrates), Jonathan Warnock (Invertebrates), Mary Wells (Mammals), Helen Wilson (Mammals), Joseph Zich (Invertebrates).

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

Eileen Feldheim, Kasey Mennie.

LIBRARY

Patricia Barker, Juliayn Coleman, Elizabeth Giles, Paul Hoffman, Constance Jurczyk, China Oughton, Barbara Palmer, Gwyn Smith, Stefanie Stephens, Constance Thome, Hsi-Tsin Tsiang, Mary Valsa, Warren Valsa, John Vicha, Wendall Wilson.

HONORARY APPOINTMENTS, 2010

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, PhD Biomedical Anthropology
Brian Bauer, Ph.D., Andean Archaeology
Deborah Bekken, Ph.D., East Asian Archaeology and Zooarchaeology
James A. Brown, Ph.D., North American Archaeology
Elizabeth Brumfiel, Ph.D., Mesoamerican Archaeology
Winifred Creamer, Ph.D., Archaeology of the Americans
Antonio Curet, Ph.D., Circum-Caribbean Anthropology
Timothy Earle, Ph.D., Archaeology of Complex Societies
Robert L. Hall, Ph.D., Plains and Midwestern Archaeology and Ethnography
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
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, PhD North American 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, PhD., Medical Anthropology
James L. Phillips, Ph.D., Old World Prehistory, Stone Tools
Jack H. Prost, Ph.D., Physical Anthropology and Primate Behavior
Gayatri Reddy, PhD South Asian Anthropology
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
Dean E. Arnold, Ph.D., Mesoamerican and South American Archaeology and Ethnology
Philip J. Arnold, III, Ph.D., Mesoamerican Archaeology, Craft Production and Ethnoarchaeology
Elizabeth Babcock, Ph. D., Cultural Anthropology
Jane Eva Baxter, Ph.D., Historical Archaeology
Richard Blanton, Ph.D., Mesoamerican Archaeology
Deborah Blom, Ph.D., Andean Bioarchaeology

Jane E. Buikstra, Ph.D., Skeletal Biology, Paleopathology, Paleodemography, Forensic Anthropology
William J. Conklin, Ph.D., Peruvian Anthropology
Nicole Couture, Ph.D., Latin America
Chris Dayton, Ph.D., South American Archaeology and Hydraulic Archaeology
Shannon Dawdy, Ph.D., American South and Caribbean, Creole Cultures
Robert Feldman, Ph.D., Andean Archaeology
Kathleen Forney, Ph. D., Andean Archaeology
David Goldstein Ph. D., South American Anthropology
Anne. L. Grauer, Ph.D., Physical Anthropology, Skeletal Biology, North America
Mark Hauser, Ph. D., Historical Archaeology and Archaeology of African Diasporas
Augustin Ferdinand Charles Holl, Ph.D., West African Prehistory, African-American Archaeology
John Janusek, Ph.D., Andean Archaeology
Carolyn Schiller Johnson, Ph.D., Ethnomusicology
Janet H. Johnson, Ph.D., Near Eastern Archaeology
James Ketelaar, Ph.D., East Asian History
Purity W. Kiura, Ph. D., African Archaeology
Alan L. Kolata, Ph.D., Andean Archaeology and Ethnohistory
Lyle Konigsberg, Ph.D., Physical Anthropology
Dr. Sharon Lewis Peniston, Ph.D., Urban anthropology, Kinship structures, U.S. and Caribbean
Elizabeth Ann Lillehoj, Ph.D., Japan, Material Culture
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
Katherine Nelson, Ph.D., American Southwest Archaeology
Nadine Ruth Peacock, Ph.D., Biological Anthropology, Africa
Chantal Radimilahy, Ph. D., Gender and Environmental Archaeology, Madagascar
Esther Schechter, Ph.D., New Guinea Research Program
Fred H. Smith, Ph.D., Physical Anthropology
Costas Spirou, Ph.D., Urban Anthropology and Sociology
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
Nikolaas Johannes Van der Merwe, Ph.D., African Archaeology and Metallurgy
Kevin Vaughn, Ph. D., Andean Anthropology
Ronald Weber, Ph.D., Amazon Basin and Northwest Coast Archaeology and Ethnology
Donald Whitcomb, Ph.D., Egyptian Prehistory
William Whitehead, Ph.D., Andean Anthropology
Karen Wilson, Ph.D., Art and Archaeology of the Ancient Near East

Associates

Connie Crane, B.A., North American Ethnology
Peter Gayford, B.A., African Archaeology and Ethnology
Jack M. MacDonald, M.S., Oceania
Carolyn Moore, B.A., Asian Material Culture
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., Vascular Plants
Michael O. Dillon, Ph.D., Vascular Plants
John J. Engel, Ph.D., Bryology

Adjunct Curators

William A. Alverson, Ph.D., Vascular Plants
Peter G. Avis, Ph.D., Mycology
Robin B. Foster, Ph.D., Vascular Plants
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., Vascular Plants

Research Associates

Carrie J. Andrew, Ph.D., Mycology
Peter Avis, Ph.D., Mycology
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 García Jimínez, Biol., Mycology
Nancy Garwood, Ph.D., Flowering Plants
Sidney F. Glassman, Ph.D., Flowering Plants
David S. Glenny, Ph.D., Bryology
Luis D. Gómez, Ph.D., Mycology
Jorgé Gómez Laurito, B.S., Flowering Plants
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
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
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
Patricio P. Ponce de Leon, Ph.D., Mycology
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
Andrew Wilson, Ph.D., Mycology
Qiuxin Wu, 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
Gayle Tonkovich, M.S., Flowering Plants

Associates

Anders Hagborg, B.S., Bryology
Betty Strack, M.S., Mycology

DEPARTMENT OF GEOLOGY

Curators Emeritus

John R. Bolt, Ph.D., Fossil Amphibians and Reptiles
Matthew H. Nitecki, Ph.D., Fossil Invertebrates
William D. Turnbull, Ph.D., Fossil Mammals
Bertram G. Woodland, Ph.D., Petrology

Adjunct Curator

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
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
David Krause, 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
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
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

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
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 Lhek nim, Ph.D., Fish of Thailand
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
Manuel A. Plenge, Peruvian Bird Distribution
Blas Tabaranza, M.S., Philippine Mammals
Jamie Thomerson, Ph.D., Central and South American Fishes
Ruth Utzurum, Ph.D., Philippine Mammals

Research Associates

David Angulo, M.S., Computer Technology and Databases
Michael Alfaro, Ph.D., Molecular Systematics
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 Conversation
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
Dale Clayton, Ph.D., Host/Parasite Coevolution
Melissa Cogan-Morales, Ph.D., Bat Morphology
Timothy Collins, Ph.D., Molecular Evolution of Mollusks
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
Michael L. Draney, Ph.D., Systematics of Linyphiidae (Araneae)
Amy Driskell, Ph.D., Evolution of Birds and Bioinformatics
Brian Dyer, Ph.D., Biomechanics
John Fitzpatrick, Ph.D., Evolutionary Ecology and Biogeography of Neotropical Birds
Daniel Gebo, Ph.D., Primates
Cynthia Gerstner, Ph.D., South American Armored Catfishes
Jaqueline Goerck, Ph.D., Conservation in Brazil
Paul Z. Goldstein, Ph.D., Systematics of Lepidoptera
Joel Greenberg, Ph.D., Chicago Natural History
Melina Hale, Ph.D., Biomechanics
Malcolm Hast, Ph.D., Mammalian Vocal Apparatus
John M. Healy, Ph.D., Marine Mollusks
Jacques Hill, Ph.D., Southeast Asian Herpetology
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
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 Koepll, Ph.D., Statistical Properties of Animal Populations
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
Jose Maria Cardoso da Silva, Ph.D., Brazilian Birds
Christopher J. Marshall, Ph.D., Systematics of Coleoptera
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
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
Luis Ruedas, Ph.D., Southeast Asian Mammals
Victor Sanchez-Cordero, Ph.D., Mexican Mammals
Nikolaos Schizas, Ph.D., Population Genetics
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)
Bill Strausberger, Ph.D., Cowbirds
Bryan L. Stuart, Ph.D., Herpetology
Robert Stuebing, M.S., Malaysian Ecology
J. Bolling Sullivan III, Ph.D., Systematics of Lepidoptera
Tan Fui Lian, Amphibians and Reptiles of Borneo
Kumthorn Thirakhupt, Ph.D., Southeast Asian Herpetology
Vinton Thompson, Ph.D., Systematics of Hemiptera
Robert Timm, Ph.D., New World Mammals
Gary Voelker, Ph.D., Bird Systematics
Bruce Walsh, Ph.D., Systematics of Lepidoptera
Joseph Walsh, Ph.D., Mammalian Systematics
Fred F. Wells, Ph.D., Marine Mollusks
John Wible, Ph.D., Higher Level Taxonomy of Mammals
Glen Woolfenden, Ph.D., Florida Scrub Jay
Chris Yahnke, Ph.D., Neotropical Mammals
Andrew Yang, Ph.D., Systematics of Formicidae (Hymenoptera)
Anne Yoder, Ph.D., Primate Evolution
John Yunger, Ph.D., Mammals of the Chicago Area

Associates

Matt Bonnan, Ph.D., Vertebrate Paleontology
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
N. Aldrin D. Mallari, M.S., Philippines Conservation
Peggy McNamara, Artist
Philip P. Parrillo, B.S., Systematics of Carabidae (Coleoptera)
Nina Sandlin, B.A., Taxonomy of Linyphiidae (Araneae)
John A. Wagner, Ph.D., Systematics of Staphylinidae: Pselaphinae (Coleoptera)

LIBRARY

Associates

Paul Brinkman, Ph.D., Library
Ken Grabowski, M.S., Library

COLLECTION STATISTICS, 2010

Collection Size and Growth

	2009 Number of Specimens	2010 Number of Specimens	2009–2010 % growth
DEPARTMENT OF ANTHROPOLOGY			
Africa	108,988	108,998	0.01%
Europe	37,560	37,560	0.00%
Asia	94,566	94,572	0.01%
South America	54,885	54,885	0.00%
Central & Middle America	27,883	28,075	0.35%
North America	664,805	664,805	0.00%
Pacific	59,146	59,148	0.00%
Osteological Collection	31,791	31,791	0.00%
Subtotal	1,079,624	1,079,834	0.02%
DEPARTMENT OF BOTANY			
Algae	78,142	78,142	0.0%
Bryophytes	225,725	237,000	4.76%
Fungi (including Lichens)	202,300	204,040	0.85%
Ferns	181,180	181,280	0.08%
Seed Plants	2,154,275	2,157,664	0.16%
Subtotal	2,789,897	2,806,401	0.59%
DEPARTMENT OF GEOLOGY			
Physical Geology	53,227	53,245	0.03%
Invertebrate Paleontology	322,732	322,758	0.01%
Paleobotany	59,604	88,231	48.03%
Vertebrate Paleontology	82,855	82,878	0.03%
Subtotal	518,418	547,112	5.53%
DEPARTMENT OF ZOOLOGY			
Amphibians and Reptiles	290,445	293,980	1.22%
Birds	487,304	493,001	1.17%
Fishes	1,905,966	1,907,142	0.06%
Insects	12,471,409	12,481,618	0.08%
Invertebrates	4,606,385	4,615,651	0.20%
Mammals	206,816	210,374	1.72%
Subtotal	19,968,325	20,001,766	0.17%
TOTAL SPECIMENS	24,356,264	24,435,113	0.32%

COLLECTION STATISTICS, 2010

Outgoing Loans from Field Museum Collections

	Number of Loans	Number of Specimens
<u>DEPARTMENT OF ANTHROPOLOGY</u>		
Subtotal	8	146
<u>DEPARTMENT OF BOTANY</u>		
Algae	0	0
Bryophytes	13	301
Ferns	0	0
Fungi	10	269
Lichens	9	150
Seed Plants	46	6,490
Subtotal	78	7,210
<u>DEPARTMENT OF GEOLOGY</u>		
Physical Geology	27	72
Invertebrate Paleontology	8	198
Paleobotany	8	279
Vertebrate Paleontology	27	61
Subtotal	70	610
<u>DEPARTMENT OF ZOOLOGY</u>		
Amphibians and Reptiles	75	2,054
Birds	116	5,363
Fishes	27	1,163
Insects	86	16,155
Invertebrates	51	2,114
Mammals	108	2,059
Subtotal	463	28,908
TOTAL	619	36,874

COLLECTION STATISTICS, 2010

Incoming Loans from Other Institutions or Parties

	Number of Loans	Number of Specimens
<u>DEPARTMENT OF ANTHROPOLOGY</u>		
Subtotal	1	19
<u>DEPARTMENT OF BOTANY</u>		
Algae	0	0
Bryophytes	23	1,547
Ferns	0	0
Fungi	18	131
Lichens	37	1,843
Seed Plants	13	1,423
Subtotal	91	4,944
<u>DEPARTMENT OF GEOLOGY</u>		
Physical Geology	2	2
Invertebrate Paleontology	0	0
Paleobotany	1	25
Vertebrate Paleontology	n/a	n/a
Subtotal	3	27
<u>DEPARTMENT OF ZOOLOGY</u>		
Amphibians and Reptiles	7	620
Birds	16	151
Fishes	9	222
Insects	53	4,454
Invertebrates	9	353
Mammals	15	207
Subtotal	109	6,007
TOTALS	204	10,997

COLLECTION STATISTICS, 2010

Use of Collections by Visitors

	Scientific Visitors		Classes		Information/Outreach	
	Total Visitors	Total Visitor Days	Total Classes	Total Students	Total Visits	Total Visitors
<u>ANTHROPOLOGY</u>						
Subtotal	122	111	0	0	82	671
<u>BOTANY</u>						
Algae	0	0	0	0	0	0
Bryophytes	5	18	0	0	2	30
Ferns	1	2	0	0	0	0
Fungi	32	202	0	0	2	43
Seed Plants	51	435	0	0	10	35
General Herbarium	0	0	5	54	6	17
Subtotal	89	657	5	54	20	125
<u>GEOLOGY</u>						
Physical Geology	21	40	10	160	10	100
Invertebrate Paleo	14	17	4	57	0	0
Paleobotany	19	33	3	43	1	4
Vertebrate Paleo	73	52	4	24	0	0
Subtotal	127	142	21	284	11	104
<u>ZOOLOGY</u>						
Amphib./Reptiles	48	384	5	61	23	60
Birds	40	282	15	200	150	1,200
Fishes	47	167	14	239	35	316
Insects	37	176	5	59	13	85
Invertebrates	31	34	0	0	6	14
Mammals	163	753	14	234	135	1,140
Subtotal	366	1,796	53	793	362	2,815
TOTALS	704	2,706	79	1,131	475	3,715

LIBRARY STATISTICS, 2010

Monographs/Serial Acquisitions

Monograph Purchase	Monograph Exchange	Serial Subscriptions	Serial Exchange	Gift
120	144	278	1119	116

Cataloging Stats

	New Records	Record Updates	Images
General Collection	1,334	1,441	0
Rare Book Collection	140	0	0
Photo Archives	4,909	54,745	7,589

Collection Use

	Museum	Public/External Requests	Biodiversity
			Heritage
General Collection	1316	49	69
Rare Book Room	27	0	2
Archives	131	63	
Photo Archives	471	429	
Interlibrary Loan	138	616	

BIODIVERSITY SYNTHESIS CENTER, 2010

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 2010, BioSynC hosted nine 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 650 participants from 40 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 \$245,000 in new grants and contributed to innovative digital learning programs in the Museum, including WhyReef and I Dig Brazil. 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. I Dig Brazil (collaboration with FM Geology) teaches teens in the U.S. and Brazil about science and cultural issues using satellite technology to connect students with Field Museum scientists excavating fossils in the field.

2010 Synthesis Meetings

Meeting 1: Freshwater Clams

February 1–5, 2010, London, England. The second in a series focused on the synthesis of data on aquatic species (the first focused on crayfish), this meeting aims to collate and summarize data on freshwater clams with the goal of establishing red-list status. Hosted by proposer and partner, the Zoological Society of London, the meeting produced detailed species summaries, EOL curators, and newsworthy red-list information on bivalves.

Meeting 2: Compositae

April 15–18, 2010, Chicago, IL. Twenty-four participants from 13 countries met to exchange and compile taxonomic and biogeographic data on the megadiverse Compositae (over 25,000 species) with the goal of providing vetted taxonomies, images, and data to EOL. Large numbers of EOL curators will be recruited using the group's strong web presence (TICA).

Meeting 3: Deep-sea fishes

May 10–15, 2010, Cambridge, MA. This meeting helped to improve knowledge of the poorly known deep-sea fishes. More than 26 participants from six countries attended. The meeting aimed to recruit EOL curators, augment content that is served to EOL via FishBase and LifeDesk, and produce manuscripts for publication.

Meeting 4: Lichens

May 13–16, 2010, Chicago, IL. Lichens are critical for understanding fungal evolution. This workshop, focused on the Parmeliaceae or lichen-forming fungi, brought together more than 25 scientists and students from 15 countries to compile data on and reconcile the systematics of the more than 2000 species in this group. The meeting will produce new content for EOL, vetted species lists, lifedesks, curators, and plans for peer-reviewed publications.

Meeting 5: Meiofauna

June 7–18, 2010, Bocas del Toro, Panama. This workshop focused on training the next generation of specialists studying the overlooked marine meiofauna. Junior and senior participants explored and documented the meiofauna of Central America, to provide a catalog and species pages for EOL. The meeting also facilitated the sharing of large species catalogs, maintained by the Bocas de Toro lab, with EOL and recruited a large number of EOL curators.

Meeting 6: Species Distributions 2

July 8–10, 2010, Boulder, CO. This meeting was the second in a series to develop new, integrative tools for mapping species distributions. The first meeting in May 2009 spearheaded the new “Map of Life” program and produced a grant proposal that was recently funded by NSF. This collaboration with GBIF will focus on data integration and modeling. This second meeting focused on implementation of plans and schema developed earlier.

Meeting 7: Diatoms

September 4–5, 2010, Minneapolis, MN. This meeting, in conjunction with the International Diatom Symposium, brought together 10 experts on diatom morphology and systematics to compile and reconcile current knowledge on diatom systematics and prioritize future directions. Proceedings will be published in the journal *Phytotaxa*.

Meeting 8: Moto-IGERT workshop

September 8–15, Chicago, IL. BioSynC hosted the annual IGERT training workshop for 10 students and 8 facilitators. The IGERT program is focused on motor control and movement in animals, and the workshop involved technical analysis of physiological data and outreach projects involving EOL pages and an Edu LifeDesk.

Meeting 9: Hymenoptera

October 13–17, Raleigh, NC. This meeting brought together 37 experts in systematics, taxonomy, anatomy, programming, and informatics for cross-domain education and to determine the best way to enhance EOL with product and content from the HAO. The meeting produced new curators and a data partnership for EOL.

FIELDIANA, 2010

Fieldiana is the over-century old 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, especially those produced by Field Museum staff and students. This has been an active year for *Fieldiana* with a new Managing Scientific Editor, Janet Voight, attempting to fill the void created by the retirement of Harold Voris. Additional changes to the Editorial Board are Thorsten Lumbsch replacing Sabine Huhndorf in Botany; in Geology, Olivier Rieppel replacing the long-serving John Bolt and Margaret Thayer filling the Zoology vacancy created when Janet Voight assumed the editorship. Long-time *Fieldiana* distributor Fortsas Books opted to focus exclusively on their well-established antiquarian book trade; *Fieldiana* staff took over distribution of the new issues of *Fieldiana* as well as sales of back stock (including issues dating from 1893 to the present).

Fieldiana itself continues to undergo a metamorphosis. Three historically separate series, Botany, Geology and Zoology, have merged to form *Fieldiana: Life and Earth Sciences*, effective December 2010. *Fieldiana: Anthropology* remains an independent title. The merger allows more regular publication of *Fieldiana: Life and Earth Sciences* and may heighten our visibility among peer-reviewed scientific journals.

The four issues published in 2010 (above) totaled 345 pages, an increase of one issue and 179 pages over 2009 totals. Currently three very substantial manuscripts, two in Life and Earth Sciences and one in Anthropology, are being prepared for release in early 2011 by Allen Press.

We are striving to reduce our economic and environmental costs. *Fieldiana: Life and Earth Sciences* Volume 1 was the first to be edited without reliance on paper proofs, which not only require paper but shipping costs. Pooling the three historic series to form a single one means that each of our exchange partners will receive the new series, rather than all or any of the three previous. To ensure that the list was current, prior to printing the first issue of *Life and Earth Sciences*, we worked with our dedicated and helpful Library staff to carefully review the list of nearly 1000 exchange partners. Removal of duplicates and of those who had become inactive substantially reduced the number of volumes that have to be printed and shipped, and thus will result in significant savings. Our larger format saves both money and trees. On publication, authors receive free electronic copies which save paper, shipping and storage costs for us, them and the end user. *Fieldiana* continues to be available online at BioOne.2 (<http://www.bioone.org/action/showPublications?type=byAlphabet#F>), with issues printed before 2004 available free of charge online at Biodiversity Heritage Library <http://www.biodiversitylibrary.org/>.

Fieldiana: Geology

McGee, E. M. and Turnbull, W. D. (2010). A Paleopopulation of *Coryphodon lobatus* (Mammalia: Pantodontia) from Deardorff Hill *Coryphodon* Quarry, Piceance Creek Basin Colorado. n.s. 52, Publication No. 1554, pp. 12.

Fieldiana: Botany

Engel, J.J. (2010). Austral Hepaticae 45. A Monograph of the Genus *Chiloscyphus* Corda (Lophocoleaceae) for Australasia. n.s. 48, Publication No. 1555, pp. 209.

Pupulin, F. (2010). Flora Costaricensis Family #39 Orchidaceae: Tribe Cymbidieae: Subtribe Zygotetalinae. n.s. 49, Publication No. 1556, pp. 60.

Fieldiana: Life and Earth Sciences

Lumbsch, H. T. and S. M. Huhndorf (2010). Myconet Volume 14 Part One. Outline of *Ascomycota*—2009 Part Two. Notes on Ascomycete Systematics. Nos. 4751–5113. 1, Publication No. 1557, pp. 64.

LIBRARY, 2010

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 additional volumes of 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.

The Library collections are available to a broad spectrum of users. Chief among these are the Museum's staff and research associates, volunteers, interns, and visiting researchers. Through Interlibrary Loan, the national and international scholarly community gain access to the Library's resources through digital duplication of articles and loans of physical materials. Interlibrary Loan also brings Museum staff items from other libraries, providing access to materials not held in our collections. The Library's collections are also available on a non-circulating basis to members of the public through the Library's Reading Room.

The continuous development of the Library collections requires the acquisition of research materials from all parts of the world. Books are purchased through specialized suppliers on several continents or acquired directly from publishers in scores of countries. Serial publications, the backbone of any scientific library, account for two thirds of the Library's holdings in some subject areas. In late 2010, the Library was faced with the task of cutting \$200,000 in operational expenses. This was accomplished through the loss of one position, a reduction in administrative costs, and a large cut to our serials subscriptions. A review of the Library's paid serials subscription list by the Academic Affairs Library Committee identified 78 titles, amounting to approximately \$76,000, for cancellation. While the Library now subscribes to 278 domestic and foreign journals, the principal means of acquiring foreign journals remains our exchange program through which the Library receives over 1000 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, covering the areas of Anthropology, Botany, Geology and Zoology.

The Library has, since 2005, been undertaking the process of converting of our paper card catalog into electronic records. In December 2010, we completed the conversion of the Library's main collection records. The project is still ongoing with focus shifting towards the cataloging of the Library's special collections, rare books, Photo Archives and Museum Archives.

In 2010, the Library has begun to explore new avenues with our Rights and Reproductions program. This program, which licenses the use of images from the Photo Archives, began in earnest a little over 10 years ago. In an effort to leverage a greater marketing power of the licensing of the Photo Archives images, the Library has joined as a contributing partner of Getty Images.

In 2010 the Library completed a Grant from The Gaylord and Dorothy Donnelley Foundation to clean, assess, digitize and present the film footage from the Museum Archives. The project allowed for the assessment and digitization of 59 films from the Archives. Thirteen of these films were also made available via the Internet Archive. In spring 2010, five of the films were presented in a series of public screenings. Further, this funding allowed for the full restoration of the film from The Field Museum Borden Arctic Expedition.

In 2007, The Field Museum Library joined as a participating member of the Biodiversity Heritage Library (BHL), the digitization component of the Encyclopedia of Life. The Library continues to make important contributions to this initiative, shipping high priority requests to the National Museum of Natural History's scanning facility for digitization. In most instances, we have determined that The Field Museum Library is often the only Library among the BHL members who have some of these items in their collections.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION, 2010

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 system of sand tiger sharks, the evolution of brood parasitism in cowbird, and the population genetics of cavefish from Madagascar.

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 postdoctoral researchers. As it does every year, the lab had many international visitors in 2010. This year, we had visitors from Spain, Thailand, and Brazil. Each of these visitors was trained the proper methods for collecting genetic data for their various projects. In 2010, we trained 44 national and international scientists to collect genetic data on a wide variety of organisms including sharks, lichenized fungi, birds, sponges, snakes, sturgeon, fish and coyotes. 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 40 new and continuing projects used the DNA sequencing facilities in 2010.

This past year was the second 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 Education Department and Pritzker Lab collaborated this past summer for the third annual DNA residency program. This program brought six high school students and three 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 lemon shark population genetic study, and the third group collected data for Dr. Leo Smith's study examining the venomous fish tree of life.

The Pritzker Lab is a non-departmental unit of Academic Affairs 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://www.fmnh.org/research_collections/pritzker_lab/pritzker/index.html; 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, 2010

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, our newest SEM, 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 the largest chamber available 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 that has 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 in the lab include a Denton Vacuum Desk IV Sputter Coater for coating non-conductive specimens with a thin layer of gold and a Balzers 030 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. Thirty 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 2010. The staff, students, and collaborating scientists that had research projects include: Bil Alverson, Erika Arnold, Mairead Baker, Rüdiger Bieler, J.P. Brown, Dave Clarke, Danny Balete, Michael Jorgensen, Terry Gates, Rosemary Golding, Ian Glasspool, Lance Grande, Lori Grove, Larry Heaney, Philipp Heck, Patrick Herendeen, Jim Holstein, Melanie Hopkins, Anna Kasicky, Scott Lidgard, Stephanie Loria, Anh Duc Nguyen, Andria Niedzielski, Emily Rudick, André Sartori, Jodi Sedlock, Petra Sierwald, Sid Staubach, Bill Turnbull, and Thomas Wesener.

In 2010, the SEM continues to be an important component of many new and continuing research projects. Topics of these projects and specimens/objects studied include:

- NASA Stardust Interstellar Dust examination
- Morphology of bivalves and gastropods
- Bivalve gill and labial palp morphology
- Shells, radulae and opercula from worm snails
- Millipede morphology
- Morphology of rove beetles
- Bat fly morphology
- Examinations of small mammal teeth and skulls
- New bat species from Philippines
- Leaf trichomes on new tree species from Peru
- Examinations of fossil plants
- Australian rodent teeth
- Morphological changes in brachiopods
- SUE microfauna

SCHOLARSHIP COMMITTEE, 2010

The Field Museum Scholarship Committee supports professional scientists and students who wish to work with the Museum's collections or collaborate with its researchers. The Scholarship Committee administers seven separate awards, including graduate fellowships, visiting scientist grants, scholarships for early-career scientists, and undergraduate scholarships.

During 2010 the Scholarship Committee awarded 13 scholarships, 2 fellowships, and 8 REU scholarships in all four Collections & Research departments.

Visiting scientists and students came from around the globe, including Brazil, Colombia, India, Italy, Puerto Rico, Russia, Switzerland, Thailand, Venezuela and Viet Nam as well as the U.S.

The Scholarship Committee is currently chaired by Associate Curator Petra Sierwald (Zoology/Insects). Collections Assistant Stephanie Ware (Zoology/Insects) serves as Committee Secretary. Scholarships, Fellowships, and Internships Awarded in 2010.

Lester Armour Family Graduate Fellowship (for outstanding graduate students to pursue advanced studies in one of the scientific departments at the museum): Eimy Tabatha Rivas Plata.

Women's Board "Women In Science" Fellowship (for exceptional women Ph.D. candidates in the natural sciences): Edna Davion.

Thomas J. Dee scholars (for research and academic fellowships with priority given to younger, less established research workers): Abhijit Das, Allyson Marie Fenwick, Patrick Kuss, Thais de Castro Lira, Paulo Henrique Franco Lucinda, Hugo Mantilla-Meluk, Eva Sacchi, Laura Maria Vasquez-Velez and Sergey Tarasov.

The Borg-Warner Robert O. Bass Visiting Scientist scholars (research opportunities for distinguished national and foreign scientists to use our collections and library holdings): Carlos Luis do Nascimento, Anh Duc Nguyen, Khwanruan Papong and Marcelo Salles Rocha.

Research Experiences for Undergraduates (educational opportunity for students in the biological sciences to interact with scientists dedicated to the study of organic diversity): Jessica Allen, Mairead Baker, Vincent FitzPatrick, Stephanie Loria, Keegan Melstrom, Emily Rudick, Kamil Slowikowski and Sara Zufan.

HONORED RETIREES, 2010

Mavis Blacker, Anthropology

Mavis has been a Collection Management Assistant in Anthropology since 1992, and was an intern in the department before that. During that time, Mavis played an instrumental role in the department's relationships with visiting representatives from Native American groups, and indeed native peoples from other countries. Mavis was one of seven Native Americans from the Midwest who accompanied Bob Martin and John Terrell to New Guinea in 2007 for the repatriation of Maori ancestral remains. Outside the Museum, Mavis serves on the Board of Directors of the American Indian Center. She co-curated an exhibit on the Chicago Native American Community at the National Museum of the American Indian (Smithsonian), and is a Master teacher in traditional Oneida dressmaking. In 2002 she was selected for the Jefferson Award from NBC-5 Chicago and Harris Bank, which honors "Chicago's Unsung Heroes," in recognition of her long-time role as volunteer and organizer in Chicago's Native American community, and in particular her focus on youth in community service. We are proud to have had Mavis as part of The Field Museum for the past two decades.

Marlene Donnelly, Geology

Marlene Donnelly has been a scientific illustrator at FM for over 30 years. Marlene grew up in a family of artists, but she was also attracted to science. In fact in high school she would come to The Field Museum and sit in the quiet exhibit halls sketching skeletons. She got a degree in Zoology from the University of Illinois, and after meeting a scientific illustrator at the vet school, she came to realize that art and science could be combined in a career. She studied at American Academy of Art, and started as an illustrator at the Museum in 1979, and has done hundreds of beautiful illustrations for botanical, zoological, and paleontological publications. She has also done numerous freelance projects for the Smithsonian, HarperCollins publishers, the Honolulu Zoo, and many others. She co-authored the book *Painting Wildlife in Watercolor* with Peggy Macnamara, and has taught natural history illustration at the Field, Morton Arboretum, the Art Institute of Chicago, and at workshops for the Guild of Natural Science Illustrators. She also did the painting that graces the cover of this report. Her talent and good nature will be sorely missed, although we suspect curators will continue to call on her for special projects.

Martina Hough, Anthropology

Martina joined the Anthropology department in 1999 after 10 years of service in the Exhibitions and Development departments. Over 10 years, she became the Anthropology department's central nervous system, managing the department's financial and other administrative operations on a daily basis. Over the years she worked directly with four Exhibitions directors and four Anthropology chairs, and in the latter department effectively coordinated a department with staff routinely stationed around the world. Martina's experience in Exhibitions and Development created a wide network of colleagues around the building, and she really knew how to get things done at The Field Museum. She also excelled at working with donors and other friends of Anthropology, and is known by her colleagues for her compassion and dedication. We will miss seeing Martina every day, but as a volunteer now in Anthropology, we know the Museum will continue to benefit from her good work.

Mary Anne Rogers, Zoology

The Museum's Fishes collection, among the largest and most important in the world, has benefited greatly from Mary Anne Rogers' 25-plus years of dedicated stewardship as collection manager, as has the scientific community. Mary Anne majored in Zoology in college and grad school, with an emphasis on mammals. She started at the Field in 1984 in the Mammals division, eventually moving to the Fishes, where her knowledge and organizational skills, and more recently her databasing expertise, helped the division modernize. She has also frequently joined Zoology's Negaunee Collection Manager Bill Stanley in his surveys of the small Mammals of Tanzania. She was a member of the team that conducted the first mammal survey of Mt. Kilimanjaro and in 2005, and discovered a new species of shrew in the Udzungwa Mountains. She has also been a co-leader (also with Bill) of 10 Field Museum tours to Tanzania, by far

the most popular package offered by the Tours program, largely because of Mary Anne's warmth (and Bill's humor). Perhaps most important, Mary Anne has been one of the key people in fostering the sense of community we have here at the Museum, as an organizer of our Friday afternoon gathering (aka "Happy Hour"), as well as the Staff and Volunteer cookbook, and by just being an all-around great contributor and Museum citizen.

David Willard, Zoology

There is probably no Field Museum scientist who is more familiar both inside and outside the Museum than Dave Willard. Dave has tirelessly served the Bird Division and the Museum since 1978. Besides managing the Field's bird collection—which also entails supervising volunteers, training interns, databasing the collection, and answering countless questions about the collections for visitors—he has conducted field work in Peru, Venezuela, the Philippines, Uganda, the Central African Republic, Malawi, Madagascar, Bhutan and more, and authored numerous scientific articles. Dave has literally handled every one of the nearly 500,000 specimens in the collection and he can identify every one of them to species. In addition to his world-wide fieldwork, Dave has scoured the Chicago lakefront near McCormick Place during spring and fall migration for over 30 years collecting birds killed in collision with the convention center, amassing more than 30,000 specimens and unparalleled data on migratory patterns and population trends. And we would be remiss in overlooking another major contribution Dave has made to the Museum, as one of the people who have spearheaded our Friday afternoon "Happy Hour" for about 30 years. Dave's scientific knowledge has the respect of the ornithological community around the world, and his dedication to the Museum, and his warm and friendly nature, have earned the great affection of hundreds of Field Museum staffers past and present.



On the cover: an artist's rendering of the early dinosaur relative *Asilisaurus kongwe*, by scientific illustrator Marlene Donnelly. This new species was described in the March 4, 2010 issue of *Nature* by an international team of researchers including Assistant Curator Ken Angielczyk.

Ken and his colleagues discovered *A. kongwe* in Tanzania, in rocks that are about 240 million years old. The presence of *A. kongwe* in the fossil record at this time indicates that dinosaurs also must have originated by then, which is about 10 million years earlier than previously thought.