THE FIELD MUSEUM

2005 ANNUAL REPORT TO THE

BOARD OF TRUSTEES

COLLECTIONS AND RESEARCH

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COLLECTIONS AND RESEARCH – 2005 ANNUAL REPORT

". . . from so simple a beginning endless forms most beautiful and most wonderful have been, and are being, evolved." So Charles Darwin ends his landmark work, *On The Origin of Species*. This oft-quoted passage sounds the closing note for The Field Museum's new permanent exhibition *Evolving Planet*, and the words are also etched in stone in the atrium of the Museum's recently completed East Entrance, indicating how fundamental the theory of evolution is to our scientific and educational mission. Documentation and interpretation of the truly breathtaking array of living organisms generated by evolution over the course of millions of years is a primary task in our scientific mission.

Evolution is also an apt description of the progress of science at The Field Museum over the course of the institution's life. At the museum's founding in 1894, it employed eight curators and held 4,500 catalogued specimens, housed in the crumbling shell of a building left over from the World's Columbian Exhibition. From this simple beginning we have grown to a world-class scientific staff of almost 160 and collections of nearly 22.7 million objects, more than a half-million of which have moved to a new state-of-the-art underground Collections Resource Center providing 180,000 square feet of collection management facilities.

Over the 111 years that have since elapsed, the scope of research at The Field Museum has diversified and adapted. The core of our inquiry has remained constant—discovering, describing, analyzing and intepreting—but the methods and the impact of that effort have evolved in ways that the museum's founders and first scientists could never have imagined. The results are truly most wonderful, indeed even beautiful: from comparative anatomy to the sequencing of DNA, from deciphering patterns on pots to analyzing their composition with Isotope analysis, from collecting plants to charting their biogeographic distribution using sophisticated computer programs. Research effectively marrying traditional and cutting-edge styles continues to flourish at the Field, expanding the foundation of anthropological and biological science, providing the context and expertise for exhibits-based education, and yielding a sound scientific base for conservation decisions.

As in the evolution of living organisms, much of our development as a research institution has been incremental and gradual, and its impact subtle—teaching an undergraduate course, consultation on a television science program, or amassing a body of data in the field or the DNA lab. Other manifestations are more dramatic—the discovery of a new species, the publication of a landmark book, or the award of a major grant. And as in the natural world, change does not always mean progress—just as species go extinct and populations migrate, research priorities shift and curators depart for other environments. But the institution, like the earth, goes on. This report outlines the developments and achievements of the year 2005, and this introduction sketches just a few of the highlights.

Darwin and evolution are much on our minds with The Field Museum's spectacular new permanent exhibition, *Evolving Planet*, opening to the public just four days from the delivery of this report. It goes without saying that this is an exciting event in the life of the Museum, but in the present historical climate it is especially charged with meaning. Where once we took for granted our status as a venue to display fossils and teach the public about the development of life on earth, now the prospect is, in some eyes, controversial. As science becomes increasingly subject to political intervention, and as some educators or local school boards are inclined to tiptoe around evolutionary science—or reject it outright—natural history museums increasingly stand out as its leading educational exponents. With *Evolving Planet*, the Museum is explicit about its aim: "to tell the compelling story of evolution—the single process that connects everything that has ever lived on Earth." And that story, as told by our talented Exhibitions staff, is grounded both in the expertise of Field Museum scientists and in the richness of our collections. While our paleontology curators provided the principal content expertise for the exhibition, curators and collections staff from each of the four collections-based departments contributed to the intellectual content and the specimens on display. *Evolving Planet* charts the evolution of life on earth over the last 600 million years as no textbook can, due to sound scholarship vividly illustrated with specimens from our world-class biological and paleontological collections. Both our scientists and exhibit designers can be justifiably proud of this exhibition.

One thing that has not changed since our founding—or since Darwin's day—is the fundamental method for setting scientific agendas and announcing scientific progress: conduct the research, then publish the results. There is no question that we make our mark on science, and our understanding of the world, with our publications. 2005 was a robust year in that respect, as evidenced by the following titles, which are a small sample of the 260 contributions listed later in this report—on a par with last year, despite some current gaps in the curatorial staff, and the production of a separate report by Envrionment, Culture and Conservation (ECCo) this year.

First to books: Anthropology Assistant Curator L. Antonio Curet had two books published in 2005. *Caribbean Paleodemography: Population, Culture History, and Sociopolitical Processes in Ancient Puerto Rico* examines the demographic factors that influenced the ancient history of the region, while *Dialogue in Cuban Archaeology,* a volume co-edited with Shannon Dawdy (University of Chicago) and Gabino La Rosa (Centro de AntropologÌa, Havana), features substantive research by American and Cuban scholars on precolumbian and historical archaeology in Cuba, and the history of Cuban archaeology.

Curator Greg Mueller and co-author R.R. Halling published *Common Mushrooms of the Talamanca Mountains, Costa Rica* during the year. Based on a decade of research, the book presents an introduction to the diversity of macrofungi found in the tropical oak forests of Costa Rica's Talamanca mountain range. 101 species in 10 families are described and illustrated—many for the first time—in color. Also in Botany, Michael Dillon, Curator and Chair of Botany, was co-editor and a chapter author for *Flora Genérica de los Páramos: Guía Ilustrada de las Plantas Vasculares* (in Spanish with an English abstract). Páramo is one of the richest high-elevation mountain ecosystems in the World—it has high biological diversity and endemism, but is ecologically fragile. Dillon and colleagues provide keys, descriptions, distributional information, and illustrations for the identification of the 127 families and 540 genera of vascular plants.

Field Museum scientists produced a rich array of research in high-profile journals. There were new species named, DNA markers analyzed, biodiversity surveys documented, controversies launched, and debates settled. Notable examples include two publications in the internationally-known journal *Nature* in 2005 by curators from our Geology Department: Peter J. Makovicky, Assistant Curator of Paleontology and our resident dinosaur expert, co-authored an article on a newly-described birdlike dinosaur from South America. Later in the year, Associate Curator of Paleobotany Jenny McElwain and colleagues published an article on changes in the earth's carbon dioxide levels during an "oceanic anoxic event" about 183 million years ago.

The work of Field Museum scientists also appeared prominently in the prestigious journal *Proceedings of the National Academy of Sciences* during the year. Assistant Curator Ryan Williams and Adjunct Curator Donna Nash (both Anthropology) co-authored the cover article for the November 29 issue, reporting on their recent research at Cerro Baul, Peru, and the discovery of large-scale brewing and feasting facilities associated with the earliest embassy between South American empires. In other issues of *PNAS*, Anthropology Curator and Chair Gary Feinman co-authored an article on the implications of new petrographic analysis techniques for a recent model of Olmec trade; Provost Bob Martin and colleagues published a study of the phylogeography of Barbary macaques (*Macaca sylvanus*) and the origin of the Barbary macaque population on Gibraltar; Conservation Biologist Steve Goodman and collaborators presented a new approach to detecting species patterns in Malagasy vertebrates; and Associate Curator Petra Sierwald of Zoology/Insects collaborated on a study of convergent evolution of chemical defense in poison frogs and arthropod prey between Madagascar and the Neotropics. It is interesting to note how, as an interdisciplinary journal, *PNAS* captures the broad-range coverage of Field Museum specialties: archaeology, biodiversity, evolution, and biogeography.

These are just a few samples of Field Museum work in peer-reviewed journals. A larger sampling would include publications in *Science*, *Evolution*, *International Journal of Plant Sciences*, *Molecular Phylogenetics and Evolution*, *Kaogu* (*Archaeology*), *Journal of Morphology*, *Journal of Paleontology*, *The Lichenologist*, *Conservation Genetics*, *The American Journal of Tropical Medicine and Hygiene*, *Journal of Parasitology*, *Palaeontographica*, *Systematic Entomology*, and *International Journal of Primatology*—to name just a few. The journal papers are joined in the overall publications list by numerous invited

chapters in edited volumes, and, on the popular front, by pieces in *USA Today*, *Discover*, and the Museum's own *In the Field*.

The data on which all this research depends are drawn principally from our collections—which have progressed in size, scope, and logistics since the Museum's founding to a degree that would probably boggle the minds of our original eight curators. The collections grew by more than 175,000 specimens during 2005 (almost 500 specimens a day!), to a total of 22,658,496. While the sheer size of the collections is in itself impressive, we should stress that the value of the material lies in its use by researchers, and ours are indeed active research collections. They were visited by more than 600 researchers in 2005—in addition to our own staff and resident graduate students—and used by 1,500 students in university classes. In addition, almost 50,000 specimens were loaned for study to other institutions and scientists during the year. The impact of our collections as a research resource cannot be overestimated.

How we care for and manage that resource has also evolved. After five years in the making, the wondrous and enormous Collections Resource Center, located beneath the southeast terrace of the Museum, was officially opened in September, and movement of collections material began in earnest under the masterful direction of CRC Collection Project Coordinator Scott Demel. The opening of the CRC was launched on September 12 with a grand gala event that featured a walking tour of the new space (and hors d'oeuvres by Wolfgang Puck). Guests toured one of the new Zoology wet collection rooms, several of the new Zoology wet labs, the Cryogenic storage facility, Geology's Paleobotany and dinosaur collection areas, Anthropology's new oversize storage and Pacific collections room, their cataloguing room, and Mammals' tanned skin storage. During 2005 an estimated 500,000 objects were moved to their new homes: most of the physical geology collection of rocks, minerals and gems (Geology), wet specimens from Fishes (Zoology), and large stone and bronze objects from Anthropology, with the entire list of 2.1 million objects and specimens projected to be in by the early part of 2010.

Another major collections development of 2005 took place on the third floor of our 1921-vintage main building, as the compactorization of the Botany herbarium was completed. This effort, funded by a $2 million gift by the Searle Funds at The Chicago Community Trust, completes the move to state-of-the-art facilities of a preeminent plant collection built over 100 years. Collections Manager Christine Niezgoda spearheaded the effort to install modern, movable cabinetry into a renovated hall and a newly created lightwell space, and the relocation of the entire flowering plant collections of some 2.2 million plant specimens. Thanks to a gallant band of volunteers, the Botany library also was relocated to the renovated space, providing much-needed expansion for current holdings and future growth.

The Common Ground Project, our effort to convert and coordinate collections databases to a common platform, had a very good year, benefiting from a federal earmark with a total value of $800,000 (administered through the Institute of Museum and Library Services). Collections Database Architect Joanna McCaffrey, the Principal Investigator on the grant, has done a superb job in moving this project forward. A pilot project in Botany, which brought together 16 separate compendia of data into a single managed collection database, was completed in January 2005. In October 2005, the Museum hosted the First North American Users Conference for the KE-Emu software that is used by the Field and several other major natural history museums to manage collections. This conference provided an excellent opportunity to take stock of progress and to lay a foundation for future closer cooperation between institutions.

The collections are the foundation of the museum's existence and expertise, and the ground that cultivates the research that grows here. Much like an organism, scientific research reproduces itself, and needs resources to survive and flourish. To a large extent, Field Museum scientists raise financial support for their research themselves, through external grants, most of which are subject to a rigorous process of peer review. Driven by passion and curiosity, they toil writing grant proposals by night, and conducting the nuts-and-bolts research by day. Without the former effort, the latter work would not get done. 2005 was an outstanding year for research grants, with more than $4 million in new awards, $1.7 million of that from the National Science Foundation and some $760,000 from NASA in support of meteoritics research. Our success rate with NSF is excellent, ranking with the University of

Chicago, University of Illinois – Urbana/Champaign and Northwestern University among the top four recipients in Illinois. Active grants in 2005 totaled $21 million. Highlights of the 2005 awards include the following:

1 Curator Meenakshi Wadhwa (Geology) received two large NASA grants last year. First came an award of $426,000 from NASA's Cosmochemistry program for a three-year project involving isotopic and geochemical studies of a variety of meteorites to understand the time scales and processes involved in early solar system events. This was followed by a grant of $342,000 from NASA's Genesis mission project for analysis of the isotopic composition of solar wind samples returned by the Genesis spacecraft.

2 Curator Greg Mueller (Botany) received $380,055 from the National Science Foundation (NSF) to support a fine-scale phylogeographic and systematic study of the clade containing the mushroom genus *Laccaria*. The work will result in a world monograph of this group of important symbiotic fungi.

3 Anthropology Collections Head Steve Nash garnered a $146,000 award from the Gaylord and Dorothy Donnelley Foundation in support of a project that will capture digital images and provide web-based access to the 36,000 objects in the Anthropology collections originating from the World's Columbian Exposition.

4 Regenstein Pacific Collections Manager Chris Philipp obtained a $15,848 grant from the Museum Loan Network to conduct a photo-survey of the Panamanian Ethnographic Collection. This is the twelfth such MLN grant obtained by the Anthropology Department since 1999—a total of $191,432 in support—and the sixth in a row in which Philipp has played the lead role.

5 Assistant Curator Thorsten Lumbsch and Collections Manager/Adjunct Curator Robert Lücking (both Botany) were awarded $281,325 in funding from NSF for a three-year project, "Phylogeny and Taxonomy of Ostropalean Fungi, with Emphasis on the Lichen-Forming Thelotremataceae." The project funds the taxonomic research as well as training of two Ph.D. students (one funded within the project).

6 In Insects, Associate Curator Margaret Thayer was awarded $125,951 as part of the "Beetle Tree of Life" project through NSF's Assembling the Tree of Life program to manage the work on the large lineage Staphyliniformia (rove beetles and their allies). This highly collaborative international project aims to conduct a comprehensive morphological and molecular study to provide the first broad-scale view of beetle phylogeny down to the level of subfamilies.

7 Collections Manager Bill Stanley (Zoology/Mammals) was awarded another grant from the Critical Ecosystem Partnership Fund (an initiative of Conservation International, the John D. & Catherine T. MacArthur Foundation, World Bank, and other institutions) in the amount of $150,000, to support three years of study of the small mammals of the Eastern Arc Mountains and improvement of the *Tanzanian Mammal Key*.

8 The Critical Ecosystem Partnership Fund also awarded Boyd Postdoctoral Fellow Norbert Cordeiro of Botany/Zoology a grant of $20,000 to generate population estimates of threatened birds in the East Usumbara Mountains, Tanzania.

9 Conservation Biologist Steve Goodman (Zoology) received $160,000 from NSF to conduct a synthetic analysis of genetic, species distribution, and remote-sensing data to examine the geological complexity of Madagascar, with an eye to connecting geological and geographic forces to patterns of vertebrate biodiversity. Madagascar is one of the planet's most critical geographic priorities for conservation action, and this project integrates diverse scientific disciplines and methods for understanding and conserving biodiverse and threatened habitats.

The last three grants highlight a very significant facet of the museum's evolution. The Museum's core scientific disciplines—Anthropology, Botany, Geology, and Zoology—have been fundamental features since its founding, and the growth of an environmental conservation component might be viewed as a fairly recent adaptation. But in fact the Museum has been deeply involved in conservation science since its early days. In 1896, writing from the first African expedition ever undertaken by an American museum, Zoology curator D.G. Elliot sounded the alarm about the continent's rapidly vanishing wildlife. In the November 1930 issue of *Field Museum News* Zoology Curator Wilfred Osgood—in a column entitled "conservation"—noted that conservation efforts were central to the mission of a museum like the Field, "extending beyond the walls of the institution and beyond the community in which it is situated." In 1970, the Museum hosted President Richard M. Nixon, members of his Cabinet, and the Governors of Illinois, Wisconsin and Indiana, for a conference on the environmental health of the Great Lakes. The Field Museum has long been at the forefront of international and local environmental efforts, and those efforts have expanded in recent years with the creation of our more outreach-oriented programs such as ECP and CCUC (see Annual Report from ECCo for details). But scientists in the Collections and Research Division continue, as they always have, to assemble the hard data on biodiversity, biogeography, and climate that provide the foundation for conservation decisions and on-the-ground action.

The "scientific fieldwork" section of this report is replete with expeditions aimed at surveying the flora and fauna of a particular region—for instance Curator John Engel (Botany) to the southern portion of Tierra del Fuego, Chile for a survey of bryophytes and algae; MacArthur Curator of Mammals Bruce Patterson to Kenya for an Earthwatch expedition; Curator Larry Heaney (also Mammals) to the Philippines for a survey of the mammals of Bataan Province; Pritzker Laboratory Manager Kevin Feldheim to Belize for a survey of lemon sharks—all aimed at assembling the fundamental information that are critical to the conservation and management of threatened habitats and organisms. But conservation science does not end in the field. In the Pritzker Laboratory for Molecular Systematics and Evolution, DNA analysis is used to understand genetic variation within and among populations—the study of biodiversity at the molecular level. This information can be used to guide conservation efforts and management plans. Current projects in the laboratory along these lines include: a study of the effects of forest fragmentation on the pollination success of dioecious trees in Tanzania (post-doc Nobby Cordeiro of Botany/Zoology); phylogenetic comparative analyses of biodiversity hotspots of China's Hengduan Mountains (Assistant Curator Rick Ree of Botany); examining areas of diversity in coral reef fishes (Lydia Smith of Zoology); investigating the effect of mycorrhizal fungal diversity on tropical rain forest plant diversity (University of Chicago student Kelly Gravier and Botany Curator Greg Mueller); examining and describing cryptic species in deep-sea gastropods (Associate Curator Janet Voight of Zoology); molecular assessment and description of rove beetle species (postdoc Alexey Solodovnikov of Zoology). Even our paleontology research has environmental implications, such as paleobotanist Jennifer McElwain's work on ancient climate change, which holds important clues to the impact of modern-day global warming.

Another role for museum scientists is in capacity-building: training of local scientists in regions of high biodiversity. Successful long-term conservation depends on the support of local communities, as well as local expertise—an infrastructure of regional scientists and institutions with well-trained local staff who interact with and educate the public about the science behind conservation. Field Museum scientists have been particularly active in that regard, with Robert Lücking and Greg Mueller of Botany conducting ongoing mycology training programs in Central America, in addition to several ongoing capacity-building programs led by Zoology Department scientists in Central Africa, Madagascar, and the Philippines.

Conservation action, protection plans and monitoring programs are predicated on basic scientific work: understanding the species endemic to a region, their distribution, migration, mating patterns, and a host of other factors relevant to preserving biodiversity. And much of this work goes back to the basics: surveying, inventorying, collecting and describing. Indeed, much of the fundamental work of understanding biodiversity goes back to the data—from skins and herbarium sheets to DNA—in museum collections

Much of the Field's historic status as a museum is grounded in its collections, but what makes those collections come alive—through research—is our staff. Our scientists were much promoted and much honored in 2005.

Associate Curator Meenakshi Wadhwa (Geology) was promoted to Curator (i.e., Full Curator), in March of 2005. She joined the Museum in 1995 and has since become one of our most productive researchers, performing at an exemplary level and making contributions in the areas of research, curation, education, and service. Her funding successes have been remarkable (the most recent examples noted above)—and she was also awarded the highly prestigious Guggenhiem Fellowship for 2005. The fellowship allowed her to focus her research in the coming year on the analysis of solar wind samples returned by NASA's Genesis spacecraft. The award provides fellowships for advanced professionals in the fields of natural and social sciences, humanities and creative arts on the basis of past accomplishments and the promise for future achievement.

Chapurukha Kusimba of Anthropology was also promoted to Curator in December. During his 11 years at the Museum, Kusimba has earned the reputation of being one of the leading Africanist archaeologists of his generation, as illustrated by his recent invitation to speak at the National Academy of Sciences. He has an ongoing archaeological and ethnological research program on the preindustrial trade relationships within the Old World, and he has had an active field program in Africa and Europe that is now expanding into India. He has also made significant contributions to the Museum and Anthropology Department in terms of building the collection.

Petra Sierwald and Margaret Thayer (both Zoology/Insects) were both promoted to Associate Curator in August. Sierwald is an expert on millipedes as well as one of the world's leading authorities on spiders. She has been extremely successful in obtaining funding from the National Science Foundation for research and the training of students, and has played a significant role in exhibit development—notably as Content Specialist for *Underground Adventure*—and has served as a dedicated member of a number of important Museum committees. Thayer, a well-known expert on rove beetles (staphylinids), began her affiliation with the Museum in 1986 as a Research Associate and has been a continuing asset in the Zoology Department and Museum ever since. She and Associate Curator Al Newton maintain active field programs to document staphylinid beetles from all over the world, spending time most recently in Australia and South Africa.

Maureen Kearney of Zoology/Amphibians and Reptiles was also promoted to Associate Curator in 2005 after five years as Assistant Curator. During that time Kearney has established herself as a leading authority in the morphology, systematics, and evolution of reptiles. She has secured two major research grants from the National Science Foundation (including a mega-grant from the Assembling the Tree of Life program at NSF), brought in a major herpetological collection from Carl Gans (a well known herpetologist of many years), and has maintained a vigorous rate of publication. She has excelled in the area of education, advising two postdoctoral fellows, serving on five graduate student committees, and teaching several courses at the University of Chicago. She has also provided a great deal of service to the Museum through committee work, organization of symposia, organization of the Museum seminar series, and now as the new Division Head of Amphibians and Reptiles.

Curator John Terrell was named *Regenstein Curator of Pacific Anthropology* as part of a recent endowment by the Regenstein Foundation. Hired as Assistant Curator in Anthropology in 1971, Terrell received his Ph.D. from Harvard University in 1976, and was honored with a Fulbright Fellowship in 1981. He has conducted a number of grant-funded field projects in Papua New Guinea, one of his areas of specialty, and has published over 100 papers and books on Pacific anthropology and archaeology—one of which was awarded the *Antiquity Prize* in 1997. As one of the world's leading Pacific anthropologists, he was the ideal recipient of this endowed curatorship.

Field Biologist Steve Goodman (Zoology/Birds & Mammals) received a John D. & Catherine T. MacArthur Fellowship Award in recognition of his contributions in conservation biology. Also known as "genius awards," these highly prestigious fellowship awards are given for "exceptional merit and promise for continued and enhanced creative work." The monetary award of $500,000 over five years is given

without strings attached, so that the Fellows can pursue their own creative activities. In making the award, the MacArthur Foundation acknowledged the contributions that Goodman has made through conducting field research on the biodiversity of Madagascar, training a large community of young and energetic Malagasy biodiversity scientists, and successfully promoting and providing effective direction to conservation management in Madagascar. Goodman's massive monograph on the biodiversity of Madagascar, co-edited with Jonathan Benstead and published in 2003 by the University of Chicago Press, has been hailed by *Science* magazine as a major scientific milestone in studies of natural history.

Goodman was also honored in 2005 with the naming of a new species of mouse lemur after him: *Microcebus lehilahytsara* (*lehilahytsara* means "good man" in the Malagasy language). German and Malagasy primatologists discovered the new species of lesser mouse lemur and named it in recognition of Goodman, who has devoted nearly two decades to studying the animals of Madagascar. The newly discovered species lives in Madagascar's eastern rainforest.

Other Museum scientists were similarly honored through naming of species last year. A new species of catfish has been named for Collections Manager Mary Anne Rogers (Zoology/Fishes). *Leptodoras rogersae* was described by Mark Sabaj of the Academy of Natural Science in Philapelphia in the journal *Neotropical Ichthyology*, and named to honor Mary Anne's "dedicated service to the ichthyological community since 1988." And a new deepwater species of Stauromedusae (the phylum containing anemones, jellyfish and corals), *Lucernaria janetae*, was named for Associate Curator Janet Voight by colleagues at the Smithsonian and Ohio State museums "in recognition of her commitment to discovering and describing deep-sea invertebrates." *Lucernaria janeta* is the first species in the genus recorded from the Pacific Ocean.

On a final note regarding promotions and honors, Curator Michael Dillon (who has a plant genus named for him—*Dillandia*) became Chair of the Botany Department in Spring 2005. At the Field Museum for over 26 years, Dillon is a well-respected researcher on flowering plants with 90+ scientific publications, a number of NSF grants, and several honorary University appointments to his credit. He has conducted extensive fieldwork in South America, and even has a Peruvian scientific journal named in his honor (*Dilloniana*).

The Field Museum also bid goodbye to two very productive scientists in 2005—Botanist Jun Wen left us for the Smithsonian Natural History Museum, and our moth expert Paul Goldstein of Zoology/Insects moved to a new post at the Florida Museum of Natural History—but our core team of curators, collections staff, and technicians, and a phalanx of new post-doctoral scientists and graduate students, keep the excitement of discovery alive in the laboratories and collections of the Museum.

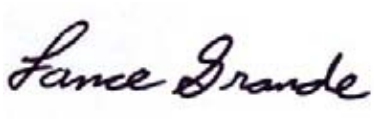
Part of that excitement comes from sharing our knowledge, through training and higher education, and with the public, through the Museum's exhibitions.
In 2005 Collections and Research staff contributed to an ever-growing inventory of education programs and training activities. Our curators served as adjunct faculty and taught courses at the University of Chicago, the University of Illinois at Chicago, Northwestern University, and advised 66 Resident Graduate students from those, and other, area universities, and served on Ph.D. committees and advising dozens more students from beyond Illinois—as near as Penn State and as far as Chulalongkorn University, Thailand. Members of our scientific staff mentored nearly 100 high school, undergraduate and graduate student interns in the Museum's labs and in the field during the year, teaching them the basics of collections care, or directly involving them in research. In addition, Field Museum scientists were active in training students and enhancing the expertise of young colleagues, through field-based programs and formal university coursework, in countries where they have active field programs, like Madagascar, the Philippines, central Africa, and Costa Rica—all part of the capacity-building effort described above. A full overview of these education contributions can be found in the "Training Programs" and "Higher Education" sections of this report.

In the exhibition galleries, as noted earlier, we eagerly await the public opening of *Evolving Planet* just a few days hence, a bold new statement on evolution, and a true collaboration between the Field's science and exhibitions teams. Farther ahead on the exhibits horizon, *Ancient Americas*, the revision of our Americas halls that is currently underway, has benefited from the intensive involvement of our

Anthropology curators and collections staff. When completed in 2007, it will bring a unique perspective to the story of the cultures of the Americas, grounded in current anthropological thinking, and will mark a new era in museum exhibition on the subject. Our scientific staff have also lent their expertise to the current temporary shows *Transforming Tradition: Pottery from Mata Ortiz* and *Dinosaur Dynasties: Discoveries from China*, as well as the upcoming Field Museum traveling exhibition *Gregor Mendel: Planting the Seeds of Genetics* (opening September 2006), and, in collaboration with the AMNH, *Dinosaurs: Ancient Fossils, New Discoveries*, and *Darwin* (both 2007)—major traveling exhibits on evolution.

Evolution again; never far from the mind of scientists, and as an institution, as 2005 ends. The collections now expanded to 23 million specimens, a new state-of-the-art facility, $21 million in grants, 260 scientific publications annually—from so simple a beginning, indeed. Our evolution has been dramatic, but, as in Darwin's model, largely gradual. Our core research concerns have changed little since that beginning—systematics, evolution, the development of ancient societies, the history of the solar system, biodiversity, and conservation have all been part of The Field Museum's research portfolio since its founding. Even some of the more ancillary concerns that we ponder in our quiet moments—budget crises (what does the future hold for NSF's budget?) and ideological controversies (the intelligent design "debate")—would have been familiar to our predecessors. The collections have also been a constant at the Museum, they were the basis of our foundation in 1894, and will continue to be in 2094. From that base we continue to build new knowledge that is not only significant in satisfying our scientific curiosity about the natural world, but critical for understanding and preserving it. For those of us who are committed to this institution, who are convinced of the meaning its collections hold, and who believe as wholeheartedly in the significance of the research we do, these impacts, great and small, are indeed wonderful and even beautiful to behold.

Robert D. Martin
Provost
Academic Affairs



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Takanobu Tsuihiji
Kim, H. M., Gishlick, A. D., and **Tsuihijji, T.** (2005). The first non-avian maniraptoran skeletal remains from the Lower Cretaceous of Korea. *Cretac. Res.* 26:299-306.

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Paul M. Velazco
Velazco, P. M. (2005). Morphological phylogeny of the bat genus *Platyrrhinus* Saussure, 1860 (Chiroptera: Phyllostomidae) with the description of four new species, *Fieldiana: Zoology*, new series 105**:**1-53.

Harold K. Voris
Murphy, J. C., **Voris, H. K.**, and Karns, D. R. (2005). Rainbows in the mud. *Reptiles* 13(3):58-67.

Jeffries, W. B., **Voris, H. K.**, Naiyanetr, P., and Panha S. (2005). Pedunculate barnacles of the symbiotic genus *Octolasmis* (Cirripedia: Thoracica: Poecilasmatidae) from the northern Gulf of Thailand. *Nat. Hist. J. Chulalongkorn Univ.* 5(1):9-13.

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Janet R. Voight
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Jason D. Weckstein
Weckstein, J. D. (2005). Molecular phylogenetics of the *Ramphastos* toucans: Implications for the evolution of morphology, vocalizations, and coloration. *Auk* 122:1191-1209.

Armenta, J. K., **Weckstein, J. D.**, and Lane, D. F. (2005). Geographic variation in mitochondrial DNA sequences of an Amazonian non-passerine: the Black-spotted Barbet (*Capito niger*). *Condor* 107:527-536.

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Mark W. Westneat
Westneat, M. W. (2005). Skull biomechanics and suction feeding in fishes. In *Fish Biomechanics*, ed. G. V. Lauder and R. E. Shadwick. New York: Academic Press.

Westneat, M. W., and Alfaro, M. E. (2005). Phylogenetic relationships and evolutionary history of the reef-fish family Labridae. *Mol. Phylogenet. Evol.* 36:370-390.

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David Willard
Marks, B. D., and **Willard, D. E.** (2005). Phylogenetic relationships of the Madagascar Pygmy Kingfisher (*Ispidina madagascariensis)*. *Auk* 122:1271-1279.

Philip Willink

Ortega, H., Barriga, R., Sanchez, H., Salcedo, N., Machado-Allison, A., Chernoff, B., and **Willink, P. W.** (2005). Appendix 11. List of fishes collected during the 1999 AquaRAP expedition to the Pastaza River, the region in which they were collected, and common, Achuar, and Shuar names, if known. In *A Rapid Biological Assessment of the Aquatic Ecosystems of the Pastaza River Basin, Ecuador and Perú*, *RAP Bulletin of Biological Assessment 33,* ed. P. W. Willink, B. Chernoff, and J. McCullough, 158-167. Washington, D.C.: Conservation International.

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Willink, P. W., Chernoff, B., Ortega, H., Barriga, R., Machado-Allison, A., Sanchez, H., and Salcedo, N. (2005). Fishes of the Pastaza River watershed: assessing the richness, distribution, and potential threats. In *A Rapid Biological Assessment of the Aquatic Ecosystems of the Pastaza River Basin, Ecuador and Perú*, *RAP Bulletin of Biological Assessment 33,* ed. P. W. Willink, B. Chernoff, and J. McCullough, 75-84. Washington, D.C.: Conservation International.

Willink, P. W., Chernoff, B., and Palacios, W. A. (2005). Geology, geomorphology, and climate of the Pastaza River basin. In *A Rapid Biological Assessment of the Aquatic Ecosystems of the Pastaza River Basin, Ecuador and Perú*, *RAP Bulletin of Biological Assessment 33,* ed. P. W. Willink, B. Chernoff, and J. McCullough, 30-32. Washington, D.C.: Conservation International.

CONFERENCES, SYMPOSIA, WORKSHOPS, and INVITED LECTURES, 2005

DEPARTMENT OF ANTHROPOLOGY

Brian S. Bauer
70th Annual Meeting of the Society for American Archaeology, Salt Lake City, UT.

J. P. Brown
Invited instructor, Alliance for Public Technology Annual Conference, Halifax, Nova Scotia.

Winifred Creamer
Society for American Archaeology, Salt Lake City; Archaeological Institute of America, Toledo; Midwest Andeanists Conference, Columbia, MO; Chicago Archaeological Society, Evanston; IV Taller: Educacion y Arqueologia en el Norte Chico, Pativilca, Peru.

L. Antonio Curet
21st International Congress for Caribbean Archaeology, St. Augustine, Trinidad.

Scott J. Demel
Annual Meeting of the Illinois Archaeological Survey, Urbana, IL; American Association of Museums General Session, Indianapolis, IN; African Scientific Research Institute 2nd Annual Symposia, The Field Museum, Chicago; Invited lecturer, Chinatown Museum Foundation 4th Annual Fundraising Event, Chicago.

Gary M. Feinman
"The Global Dimensions of the Archaeology of Social Complexity," The Field Museum, Chicago; American Association for the Advancement of Science, Washington, DC; International Conference on the Longshan Time and Early States, Rizhao, China.

Jonathan Haas
Annual Meeting of the Society for American Archaeology, Salt Lake City, UT; Midwest Andeanist Meetings, Columbia, MO.

Robert L. Hall
Workshop on the Southeastern Ceremonial Complex, San Marcos, TX; Invited lecturer, Conference on Illinois Archaeology, Champaign, IL; Invited lecturer, American Indian Studies Consortium, Fall Conference, Newark, OH.

Hildegard Heine
Design and Construction of Mounts for Exhibits, Campbell Center for Historic Preservation, Mt. Carroll, IL.

Tina Gessler
Annual Meeting of the American Institute for Conservation, Minneapolis, MN; AIC Stone Conservation Workshop, Minneapolis, MN.

Marianne Klaus
Wisconsin Historical Society Pesticides Workshop, Madison, Wisconsin; Western Association for Art Conservation, Cody, Wyoming; Regenstein Maori Workshop, The Field Museum, Chicago.

Chapurukha M. Kusimba
Seminar, Rice University, Houston, TX; International Conference, Pardubice, Czech Republic; Invited lecturer, Kamusinga, Kenya.

Debbie Linn
"Chinese Rubbings" seminar, Harvard University.

Robert D. Martin
Presenter: Committee on Evolutionary Biology, University of Chicago; Founders' Council, The Field Museum, Chicago; Department of Anthropology, Penn State University; Department of Ecology and Evolutionary Biology, University of Michigan; Department of Anthropology & Institute of Human Origins, Arizona State University; Department of Anthropology, Hunter College, City University of New York; Invited Lectures: Department of Geophysical Sciences, University of Chicago; National-Louis University, Chicago; Department of Biological Anthropology, Duke University, Durham, NC; Annual Meeting of the American Association of Physical Anthropologists, Milwaukee, WI, Managers' Meeting of Colson Associates, La Playa Beach and Golf Resort, Naples, FL; National Geographic Teachers' Workshop, The Field Museum, Chicago; Annual Meeting of the Field Associates, The Field Museum, Chicago; Invited Contributor: "Primate Evolution and the Environment," Winter Meeting 2005 of the Primate Society of Great Britain, The Natural History Museum, London. Attendee: First Annual North American EMu-Users Conference, The Field Museum, Chicago.

Maxine McBrinn
American Anthropological Society, Washington, DC; Society for American Archaeology, Salt Lake City, UT; Chair and Organizer, The Fiber Perishables Interest Group sponsored symposium (with E. Jolie); Invited lecturer, The Friends of Archaeology, Museum of New Mexico, Santa Fe, NM.

Joanna Minderop
5th Bi-Annual North American Textiles Conservation Conference, Mexico City.

Stephen E. Nash
Society for American Archaeology Annual Meeting, Salt Lake City, UT; Stewardship of Digital Assets, Boston, MA; Los Angeles county Natural History Museum, Los Angeles, CA; Peabody Museum, Cambridge, MA; Underwater Archaeological Society, Chicago; Arizona Archaeological and Historical Society, Springerville, AZ.

Linda M. Nicholas
International Conference on the Longshan Time and Early States, Rizhao, China.

Ruth Norton
ICOM-Committee for Conservation Triennial Meeting, The Hague, Netherlands; Field Dreams Appreciation, The Field Museum, Chicago.

Cheryl Podsiki
Annual Meeting of the American Association for Conservation Health Safety Committee, Washington, DC; "Analytical Methods for Metallic Artifacts," Art Institute of Chicago and Northwestern University, Chicago; "Color Science and Imaging in the Museum and Engineering Fields," Art Institute of Chicago, Chicago; "Archeometallurgy in Perspective," Art Institute of Chicago and Northwestern University, Chicago; Niton LLC portable, hand-held X-ray Fluorescent Spectrometer training workshop, Chicago; "Pesticides and Museum Collections: Guidelines for Detection and Safe Handling," Madison, WI.

Katherine Ridgway
Conservation of Archaeological Materials Conference, Colonial Williamsburg, VA.

Helen Robbins
American Anthropological Association, Washington, DC; National NAGPRA meeting, Honolulu, HI; National NAGPRA meeting, Albuquerque, NM; Society for Applied Anthropology, Santa Fe, NM

John Edward Staller
70th Annual Meeting of the Society for American Archaeology, Salt Lake City, UT.

John Edward Terrell
International Biogeography Society (plenary speaker), National Conservation Training Center, WV; American Association of Geographers, Denver, CO; Pacific Arts Association, Salem, MA; Cambridge Genetics Workshop, Cambridge, England; Regenstein Maori Workshop, The Field Museum, Chicago.

Isabel Tovar
"Pesticides and Museum Collections: Guidelines for Detection and Safe Handling," Madison, WI.

Anne P. Underhill
International Conference on the Longshan Period and Early States, Rizhao, Shandong, China; Workshop for Grainger Company executives on collaborative archaeological research in China, The Field Museum, Chicago.

Alaka Wali
American Anthropological Association Annual Meeting, Washington, DC; Society for Applied Anthropology Annual Meeting, Santa Fe, NM; Great Cities Winter Forum, University of Illinois at Chicago; Rockefeller Foundation North American Transnational Initiative Conference, New York, NY; Arts and Changing Demographics Conference, New York, NY; Engaging Art Conference, Vanderbilt University, Nashville, TN.

Patrick Ryan Williams
44th Annual Meeting of the Institute for Andean Studies, Berkeley, CA; Invited lecturer, Tiwanaku Symposium, Denver Art Museum, Denver, CO; Invited lecturer, Boston University Department of Archaeology Lecture Series, Boston, MA; 33rd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, University of Missouri, Columbia; 2005 VS Conference, Southern Illinois University, Carbondale, IL; 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, UT; Invited lecturer, Northwestern University Anthropology Lecture Series, Chicago.

DEPARTMENT OF BOTANY

Michael O. Dillon
Invited Lecture, *Nolana* (Solanaceae): un grupo modelo para el estudio de biogeografía y evolución, Museo Nacional de Historia Natural, Santiago, Chile.

Eve Emshwiller
Programa Postgraduado en Mejoramiento de Plantas, Universidad Nacional Agraria La Molina, Lima Perú; University of Wisconsin, Madison, WI; Society of Economic Botany, Fort Worth, TX; XVII International Botanical Congress, Vienna, Austria.

John Engel
XVII International Botanical Congress, Vienna, Austria.

Sabine M. Huhndorf
Mycological Society of America Annual Meeting, Hilo, HI.

Patrick R. Leacock
Presenter and host, Museum collections as valuable tools and how you can access them workshop; poster presentation, Chicago Wilderness Wild Things conference, Northeastern University, IL.

Robert Lücking
Mycology Workshop, University of Panama and Smithsonian Institution, Panama City, Panama; Lecture, Universidad de Costa Rica, San José, Costa Rica; VII Reunión del Grupo Latino-Americano de Liquenólogos, Curitiba, Brazil.

Thorsten Lumbsch
Botanical Society of America Annual Meeting – Botany 2005, Austin, TX; Mycological Society of America Annual Meeting, Hilo, HI; XVII International Botanical Congress, Vienna, Austria; Symposium for Natural Products Research (Irsee Naturstofftage), Irsee, Germany; Special Systematics Meeting, British Mycological Society, London, UK; Chicago State University; Universidad Complutense de Madrid, Spain.

Gregory M. Mueller
Mycological Society of America/Japanese Mycological Society Joint Meeting, Hilo, HI; Great Lakes Smith Foray and Meeting, MI; Co-organizer, Fungal Diversity Workshop and Symposium, University of Panama, Panama; Deep Hypha Meeting, Tucson, AZ; Natural Science Collections Alliance Annual Meeting, Santa Barbara, CA; Soil Ecology Society Biannual Meeting, Argonne, IL; Review Panel Member for National Leadership Grants, Institute of Museum and Library Services, Washington, D.C.

Christine Niezgoda
XVII International Botanical Congress, Vienna, Austria; First Annual North American EMu-Users Conference, The Field Museum, Chicago.

Richard Ree
Presenter, SSE/SSB 2005, Fairbanks, AK; Missouri Botanical Garden Systematics Symposium, St. Louis, MO; DIVERSITAS Open Science Conference, Oaxaca, Mexico; Invited lectures: University of Illinois, Chicago, IL; University of Chicago, Chicago, IL; University of Zurich, Switzerland; University of Lausanne, Switzerland.

Imke Schmitt
Symposium for Natural Products Research (Irsee Naturstofftage), Irsee, Germany.

Audrey A. Sica
Presenter and workshop host, Museum Collections as Valuable Tools and How You Can Access Them, The Field Museum, Chicago.

Betty Strack
Mycological Society of America/Japanese Mycological Society Joint Meeting, Hilo, HI; Deep Hypha Meeting, Tucson, AZ.

Gayle Tonkovich
Presenter and workshop host, Museum Collections as Valuable Tools and How You Can Access Them, The Field Museum, Chicago; Poster presentation, Chicago Wilderness conference; First Annual North American EMu-Users Conference, The Field Museum, Chicago.

Matt von Konrat
Poster presentation, XVII International Botanical Congress, Vienna, Austria; Invited lecture, Research Seminar Series, The Field Museum.

DEPARTMENT OF GEOLOGY

Lorie J. Barber
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ.

Lisa Bergwall
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ.

Marlene Hill Donnelly
Guild of Natural Science Illustrators, Bar Harbor, ME (presentation and workshop); Morton Arboretum, Lisle, IL (workshop); Chicago Wilderness Conference: Wild Things, Northeastern Illinois University, Chicago (invited lecture); Linda Hall Library of Science exhibit**,** Kansas City, MO (featured artist).

Charlene Fricker
American Association of Museums, annual meeting, Indianapolis, IN.

Ian Glasspool
Nonmarine Permian Symposium, Albuquerque, NM; Southern Illinois University, Carbondale, IL; Earth Science Club of Northern Illinois, College of DuPage, GlenEllyn, IL; Field Museum lunchtime seminar.

Lance Grande
Fourth International Meeting on Mesozoic Fishes – Systematics, Homology, and Nomenclature, Madrid, Spain (two invited talks).

Lori Grove
American Association of Museums (AAM) Annual Meeting and Museum Expo, Indianapolis, IN.

Eric Hilton
Sixteenth Congress of Brazilian Ichthyology, Sociedade Brasileira de Ictiologia, João Pessoa, Brazil; American Society of Ichthyologists and Herpetologists annual meeting, Tampa, FL; Fourth International Meeting on Mesozoic Fishes – Systematics, Homology, and Nomenclature, Madrid, Spain; 65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ.

Rebekah Hines
GSA/GAC Earth System Processes 2, Calgary, Alberta, Canada.

Philip E. Janney
36th Lunar and Planetary Science Conference, Houston, TX; American Geophysical Union Fall Meeting, San Francisco, CA.

Peter J. Makovicky
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ; Dinosaur Symposium, Department of Paleontology, National Science Museum, Tokyo.

Jenny McElwain
Earth Systems Processes II, Calgary, Canada; American Geophysical Union Fall Meeting, San Francisco, CA; NSF Workshop, San Francisco, CA; Invited Lectures: National Museum of Ireland, Dublin; Northwestern University, Evanston, IL; University of Michigan Museum of Paleontology, Ann Arbor; University of Illinois, Urbana.

Olivier Rieppel
II Congresso Latino-Americano de Paleontologia de Vertebrados, Rio de Janeiro; Israel Academy of Sciences and Humanities, Jerusalem; Department of Ecology and Evolution, Cornell University, Ithaca, NY; Sage School of Philosophy, Cornell University, Ithaca, NY; Ben Gurion University, Be'er Sheva, Israel; Cohn Institute, Tel Aviv University, Israel; University of Chicago; The Field Museum.

Marcello Ruta
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ.

Akiko Shinya
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ; SVP Professional Development Workshop 2005: Conservation of fossil, mineral, and rock collections, Mesa, AZ.

Constance Van Beek
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ.

Meenakshi Wadhwa
Lunar and Planetary Science Conference, Houston, TX; 68th Annual Meteoritical Society Meeting, Gatlinburg, TN; Goldschmidt Conference, Moscow, ID (invited); Protostars and Planets V, Big Island, HI (invited); Woods Hole Oceanographic Institution Geodynamics Seminar, Woods Hole, MA (invited); Max-Planck-Institute for Chemistry, Mainz, Germany (invited); Department of Geophysical Sciences, University of Chicago, Chicago, IL (invited); Department of Earth and Environmental Sciences, University of Illinois at Chicago, Chicago, IL (invited).

Deborah Wagner
65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa, AZ; Conservation of Fossil, Mineral and Rock Collections Workshop, SVP 2005, Mesa, AZ.

Peter J. Wagner
Phanerozoic Diversity Working Group, National Center for Ecological Analysis and Synthesis (NCEAS), Santa Barbara; Paleobiology Database Advisory Board, NCEAS, Santa Barbara; "Continuous versus pulsed morphological evolution among early Gastropods" Society for the Study of Evolution/Society of Systematic Biologists, Fairbanks; "Using compatibility to infer general rates of character change" Systematics Association, Cardiff; "Evaluating the Compatibility of Morphological Characters with Stratigraphy" Geological Society of America Annual Meetings, Denver.

DEPARTMENT OF ZOOLOGY

John M. Bates
Invited presenter, Symposium, Brazilian Ornithological Congress, Belém, Brazil; Invited presenter, FitzPatrick Institute, University of Capetown, South Africa; Invited presenter, Symposium, American Ornithologists' Union Meetings, Santa Barbara, CA.

Rüdiger Bieler
Discussion group leader, National Science Foundation and German Science Foundation "Biodiversity Research, understanding species diversity on Earth" conference, Washington, DC; Organizer/leader, International Bivalve Workshop, Kungkraben Bay, Chantaburi, Thailand; Milwaukee Public Museum, Natural History Seminar Series, "Symposium on the Past, Present and Future of Research in the Dry Tortugas (Key West)," Milwaukee, WI.

James H. Boone
Prairie Invertebrate Conference, Chicago, IL; Entomological Collections Network Annual Meeting, Ft. Lauderdale, FL.

Carl W. Dick
American Society of Mammalogists Annual Meeting, Springfield, MO; Southwestern Association of Naturalists Annual Meeting, Huntsville, TX.

Jack Fooden
Invited participant, "Recent Perspectives on Diversity and Evolution of Primates" International Symposium, Primate Research Institute, Kyoto University, Inuyama, Japan.

Jochen Gerber
Invited lecturer, "Land Snails of the Southern Appalachians" workshop, Unicoi, TN.

Steven M. Goodman
"International Conference on Biodiversity: Science and Governance," United Nations Educational, Scientific and Cultural Organization, Paris, France; "Global Mammal Assessment," Antananarivo,

Madagascar; The University of Mauritius, Mauritius; Ministry of the Environment and Nature Seychelles, Mahé, Seychelles.

Shannon J. Hackett
Co-author, American Ornithologists' Union Annual Meeting, Santa Barbara, CA; Conference organizer and participant, "Assembling the Tree of Life" conference, Baton Rouge, LA; Invited presenter and participant, "Tree of Life exhibit/outreach" workshop, Yale University, New Haven, CT; Invited presenter and participant, "All Birds Barcoding Initiative" workshop, inaugural meeting, Harvard University, Boston, MA; Invited participant, "Women in Science at the University of Chicago" roundtable, Chicago, IL.

Lawrence R. Heaney
International Biogeography Society, Shepardstown, WV; Wildlife Conservation Society of the Philippines, Tuguegarao, Luzon; American Society of Mammalogists, Missouri State University, Springfield, MO; 9th International Mammalogical Congress, Hokkaido, Japan; Biodiversity Assessment Subcommittee, Species Survival Committee, The International Union for the Conservation of Nature and Natural Resources, Cambridge, UK.

Robert F. Inger
Invited plenary lecturer, "Wallace in Sarawak-150 years later: an International Conference on Biogeography and Biodiversity," Sarawak, Malaysia.

Janeen Jones
First Annual North American KE EMu Users Conference, The Field Museum, Chicago.

Maureen Kearney
Co-organizer, "Assembling the Tree of Life" workshop/symposium, Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL; Host, "Tree of Life, squamate working group" meeting, The Field Museum, Chicago; Chicago Herpetological Society, Chicago; Invited seminar participant, University of Illinois Urbana-Champaign, Urbana, IL; Invited seminar participant, Ohio State University, Columbus, OH; Invited seminar participant, University of Iowa, Iowa City, IA; Invited seminar participant, University of Illinois at Chicago, Chicago.

Alfred F. Newton
20th Meeting on Staphylinidae, Berlin, Germany.

Bruce Patterson
Seminar, Wednesday lecture series, The Field Museum, Chicago; Paper Contributer (2), American Society of Mammalogists, Springfield, MO.

Alan Resetar
GIS and Environmental Restoration Workshop, Indiana University, Gary, IN; GIS Activities Day, Indiana University, Gary, IN; Wolf Lake Vision Implementation Committee meeting, Hammond, IN.

Mary Anne Rogers
American Society of Mammalogists, Springfield, MO.

Petra Sierwald
Chair of Steering Committee, and Session Chair, National Science Foundation and German Science Foundation "Biodiversity Research, understanding species diversity on Earth" conference, Washington, DC; Co-author, poster, 15th Annual Prairie Invertebrate Conference, Chicago, IL; Co-author, poster, National Science Foundation and German Science Foundation "Biodiversity Research, understanding species diversity on Earth" conference; Invited lecturer, Northwestern University, Evanston, IL.

Alexey Solodovnikov
Research Seminar Series, The Field Museum, Chicago.

William T. Stanley
American Society of Mammalogists, Springfield, MO; Tanzania Wildlife Research Institute Annual Scientific Conference, Arusha, Tanzania.

Bryan L. Stuart
"Bayesian and Likelihood Inference of Phylogeny: Organisms to Genomes" conference, Champaign, IL; "Evolution 2005" meeting, Society for the Study of Evolution, Fairbanks, AK; Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL; "Workshop on Molecular Evolution," Woods Hole, MA; Invited participant, "Turtle Genetics Workshop," Cambridge, MA.

Margaret K. Thayer
Research Seminar Series, The Field Museum, Chicago; "20th Meeting on Staphylinidae," Berlin, Germany; First Annual North American KE EMu Users Conference, The Field Museum, Chicago.

Takanobu Tsuihiji
Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL; Society of Vertebrate Paleontology, Mesa, AZ; Department of Biological Sciences, Northern Illinois University, Dekalb, IL.

Janet R. Voight
"Third International Symposium on hydrothermal vent and Seep Biology," La Jolla, CA; Annual Joint Meeting of the American Malacological Society and the Western Society of Malacologists, Asilomar, CA; National Science Foundation, Washington, DC; "RIDGE 2000" progress and planning workshop, Vancouver, British Columbia; Co-author, poster, "RIDGE 2000" workshop, Vancouver, British Columbia.

Harold K. Voris
"Biodiversity Research and Training Program of Thailand," Khon Kaen, Thailand; Graduate Seminar Series, Department of Biology, Chulalongkorn University, Bangkok, Thailand.

Jason D. Weckstein
Co-author, "Evolution 2005" meeting, Society for the Study of Evolution, Fairbanks, AK; Presenter, American Ornithologists' Union Meeting, Santa Barbara, CA; Invited presenter, "TGIF Seminar Series," Department of Biology, University of Utah, Salt Lake City, UT; Invited presenter, Department of Entomology Seminar Series, Texas A&M University, College Station, TX.

Mark W. Westneat
Society of Integrative and Comparative Biology, San Diego, CA; American Society of Ichthyologists and Herpetologists, Tampa, FL; Invited Lecturer, Southeastern Louisiana University, Hammond, Louisiana; "Workshop on Synchrotron X-Ray Imaging," Argonne National Laboratory, Chicago, IL.

David Willard
American Ornithologist's Union Annual Meeting, Santa Barbara, CA.

Philip Willink
Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL; "Chicago Wilderness Regional Monitoring Workshop," Chicago, IL; First Annual North American KE EMu Users Conference, The Field Museum, Chicago.

MUSEUM AND PUBLIC SERVICE, 2005
(Editorships, Committees, etc.)

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson
Field Museum: Department Representative, Science Advisory Council; Acting Chair, Anthropology Department; Member, Anthropology Department Acquisitions Committee; Co-Chair, Anthropology Department CRC Project; Museum Representative, Chicago Sister Cities Committee.
External: Advisory Committee, Chinatown Museum Foundation; Associate Editor, *ACRO Update*, Asian Ceramics Research Organization.

J. P. Brown
Field Museum: Member, Common Ground Committee; Member, Anthropology Information Management Committee.
External: Co-chair, KE-Emu Conservation Module Group.

L. Antonio Curet
Field Museum: Member, Academic Affairs Research Seminar Committee; Member, Academic Affairs Technology Committee; Coordinator, Anthropology Special Seminars.
External: Series Editor, Caribbean Archaeology and Ethnohistory Book Series, University of Albama Press; Editorial Board, *Journal of Caribbean Archaeology*; Editorial Board, *Arqueología del Area Intermedia*; Editorial Board, *Ethnohistory*; Editorial Board, *Journal of Island and Coastal Archaeology*; Chair and Member, Committee on the Americas, Society for American Archaeology; Board Member, Puerto Rican Arts Alliance; Pro bono archaeological consultant, City of Ponce.

Gary M. Feinman
Field Museum: Chair, Department of Anthropology; Member, Department of Anthropology; Member, Acquisitions Committee; Member, Promotions Committee; Member, Boone Intern Selection Committee; Member, CCC Intern Selection 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;* Board of Editors, American Anthropological Association; Advisory Board, HRAF Collection of Archaeology/*Encyclopedia of Prehistory*; Editorial Advisory Committee, *Latin American Antiquity;* Editorial consultant, Child's World Publishers; Director, Committee to oversee the Archaeology Research Center at Shandong University, Jinan, China; Outside hiring/tenure review: University of California Los Angeles, University of Denver, Yale University; Ms. referee: *American Anthropologist*, *Ancient Mesoamerica*, *Cambridge Archaeological Journal*, *Current Anthropology*, *Human Ecology*, *Journal of Field Archaeology*, *Latin American Antiquity*, Cambridge University Press, McGraw-Hill, University of Colorado Press; Grant referee: American Council of Learned Societies, The Field Museum Scholarship proposal, Foundation for the Advancement of Mesoamerican Studies, Inc., National Geographic Society, National Science Foundation, School of American Research.

Jonathan Haas
Field Museum: Curatorial Liaison, Cultural Collections Committee; Chair, Repatriation Committee; Member, Acquisitions Committee.
External: Adjunct Faculty, Department of Anthropology, University of Illinois at Chicago; Adjunct Faculty, Department of Anthropology, Northern Illinois University; Member, Museum Accreditation Visiting Committee, American Association of Museums; Review Panel, National Endowment for the Humanities; Member, Advisory Board, Human Relations Area Files, Collection of Archaeology.

Robert L. Hall
External: Corresponding editor, *Archaeoastronomy: The Journal of Astronomy in Culture.*

Chapurukha M. Kusimba
Field Museum: Member, Field Museum Scholarship Committee.
External: Member, Committee of Graduates Program, University of Illinois at Chicago; Peer Reviewer, National Science Foundation; Peer Reviewer, National Geographic Society; Peer Reviewer, National Endowment for the Humanities; Editorial Committee, *South African Archaeological Bulletin*; Peer Reviewer, *African Archaeological Review*; Peer Reviewer, *Archaeology Magazine*.

Debbie Linn
Field Museum: Member, Emergency Response Team.

Robert D. Martin
Field Museum: Convenor: Academic Affairs Management Group, CRC Task Force Committee; Acting Secretary, Committee on Science (Subcommittee of the Board of Trustees); Member: Repatriation Subcommittee of the Committee on Science; internal Repatriation Committee; Common Ground Project Committee, Collections & Research/Library Liaison Committee.
External: Member: Scientific Advisory Committee for NSF-supported Integrated Primate Biomaterials and Information Resource, External Scientific Advisory Committee, Duke University Primate Center, Committee on Evolutionary Biology, University of Chicago, Editorial Board, *Folia Primatologica*; Adjunct Professor: Department of Anthropology, Northwestern University, Department of Anthropology, University of Illinois at Chicago. Co-organizer, Field Museum/University of Chicago Coordinating Committee. Manuscript reviews for *Evolutionary Anthropology*, *International Journal of Primatology*, *Nature*, *PLoS Biology* and *Proceedings of the National Academy of Sciences*.

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

Stephen E. Nash
Field Museum: Professional Staff Representative, Academic Affairs; Professional Staff Representative, Academic Affairs Management Group; Member, Disaster Plan Committee, Department of Anthropology.
External: Co-Chair, History of Archaeology Interest Group, Society for American Archaeology.

Ruth Norton
Field Museum: Member, Facilities and Planning Advisory Committee; Member, Pest Subcommittee.
External: Field Editor, *Art and Archaeology Technical Abstracts Online*; Grant Review Panel, Institute of Museum and Library Services, Conservation Project Support Grant program; Assessor, Conservation Assessment Program grants, Heritage Preservation.

Cheryl Podsiki
External: Member, Health and Safety Committee for American Institute for Conservation; Peer reviewer, *Collection Forum.*

Lisa Stringer
Field Museum: Member, Anthropology Alliance Steering Committee; Editor, Anthropology Alliance newsletter.

John Edward Terrell
Field Museum: Member, Regenstein Endowment Committee; Member, AA Database Task Force Committee; Member, Anthropology CRC Move Committee; Member, Anthropology Accessions Committee; Member, Anthropology Database Committee; Member, Common Ground Project Committee.

Isabel Tovar
External: Member, First Nations Film and Video Festival, Chicago.

Anne P. Underhill
Field Museum: Anthropology Associate Editor, *Fieldiana*; Member, Library Committee, Member, Anthropology Disaster Planning Committee; Member, AAE-EE Committee; Organizer, Global Dimensions workshop, Department of Anthropology.
External: Reviewer, *Asian Perspectives*; Grant proposal reviewer, National Geographic Society.

Alaka Wali
Field Museum: Chair, Curatorial Reappointment Committee, Anthropology Department; Chair, Tenure Committee, Anthropology Department; Member, Academic Affairs Management Group; ECCo Staff Member, Field Museum Board of Trustees "Committee on Science."
External: Board of Directors, Society for Applied Anthropology; Member, Advisory Board, American Anthropological Association Project on Race and Human Variation; Member, Board of Trustees, The Latin School: High Jump (Program for Talented Minority Youth); Board of Directors, Youth Organization Umbrella (YOU), Evanston.

Patrick Ryan Williams
Field Museum: Member, Exhibits/C&R Committee; Member, C&R IT Committee; Chair, Elemental Analysis Facility Committee; Member, Ad Hoc Scanning Electron Microscope Committee.

DEPARTMENT OF BOTANY

Michael O. Dillon
Field Museum: Chair, Department of Botany; Member, Academic Affairs Management Group.
External: Editorial Board, *Flora of Ecuador*, The Netherlands; Manuscript Reviewer, *Systematic Botany, Kew Bulletin*; Proposal Reviewer, National Science Foundation, Systematics Program; 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 Tumbes, Tumbes, Peru; Honorary Professor, Universidad Nacional de San Agustin, Arequipa, Peru; Socio Honorario, Colegio de Biologos del Peru.

Eve Emshwiller
Field Museum: Member, Temporary Exhibits Committee; Content Advisor, Hall of the Americas Exhibition; Consultant, Mendel Exhibition.
External: Council Member, Society of Economic Botany; Chair, committee for judging E. H. Fulling Award, Society for Economic Botany; Manuscript Reviewer, *Economic Botany (3)*, *Molecular Phylogenetics and Evolution*, *Systematic Botany*; Proposal Reviewer, The Wellcome Trust.

John Engel
Field Museum: Chair, Botany Curatorial Promotions Committees.

Susan M. Hamnik
Field Museum: Member, Safety Committee; Member, Roundtable; Academic Affairs Professional Staff representative.

Sabine M. Huhndorf
Field Museum: Botany Liason, CRC-Cryogenics Facility; Associate Editor, *Fieldiana*.
External: Chair, Permits Committee, Mycological Society of America.

Maria Lucia Kawasaki
External: Manuscript reviewer*, Acta Botanica Brasilica, Boletim de Botânica da Universidade de São Paulo, Brittonia, Lundiana International Journal of Biodiversity, Novon, Sida Contributions to Botany;* Member, Organization for Flora Neotropica Commission.

Patrick R. Leacock
Field Museum: Project Coordinator, *Fungi, The vPlants Project*, vPlants.org; Member, Chicago Wilderness Science Team.
External: Scientific Advisor, Illinois Mycological Association; Contact person for mushroom cases, Illinois Poison Center; Coordinator, Voucher Collection Committee, North American Mycological Association; Member, Liaison with Amateur Mycological Clubs and Societies Committee, Mycological Society of America.
Other: Presenter, Botany Friends Group event; Volunteer, Botany Friends Group event; Presenter, Searle Herbarium opening event.

Thorsten Lumbsch
Field Museum: Head of Cryptogams, Department of Botany; Member, Management Committee, The Pritzker Laboratory for Molecular Systematics and Evolution; Member, Organizing Committee, Seminar Series.
External: Editor, *Mycological Research*; Editorial Board, *Anales del Jardin Botanico de Madrid*; Proposal Reviewer, *Deutsche Forschungsgemeinschaft*; Manuscript Reviewer, *American Journal of Botany, Biological Journal of the Linnean Society, Bryologist, Current Genetics, Economic Botany, FEMS Microbiology Ecology, Lichenologist, Molecular Biology and Evolution, Molecular Phylogenetics and Evolution, Mycologia, Mycological Research, New Phytologist, Nova Hedwigia*.

Gregory M. Mueller
Field Museum: Chair, Department of Botany (Jan.-Feb.); Member, Academic Affairs Management Group (Jan.-Feb.); Academic Affairs Representative, Technology Subcommittee of Board of Trustees; Member, C & R / IT Liaison Committee; Member, Academic Affairs / Education / Exhibits Liaison Committee; Member, Award of Excellence Committee; Chair, SEM Committee; Chair, Museum Multiuser Laboratory Committee; Member, Field Museum-Monsanto Environmental Education Initiative Steering Committee; Chair, v-PlantPlus Coordinating Group, joint Field Museum, Morton Arboretum, and Chicago Botanic Garden project; Field Museum/University of Chicago-CEB Liaison for training grants; Member, Common Ground, Botany KeEMu digitization project team; Member, joint FMNH/U of Chicago Biodiversity Science Center Planning Committee.
External: Associate Chair, Committee on Evolutionary Biology, University of Chicago; International Coordinator, National Fungal Inventory, National Institute of Biodiversity (INBio), Costa Rica; Member (USA representative), Fungi Specialist Group, The World Conservation Union (IUCN) Species Survival Commission; Vice President (January-August) President-Elect (August –present), Mycological Society of America; Mycological Society of America Representative, International Mycological Association; Chair, Voucher Collection Committee, North American Mycological Association; Member, Science Advisory Committee, Illinois Chapter of The Nature Conservancy; Contact for mushroom cases, Illinois Poison Control Center; Scientific Advisor, Illinois Mycological Association; Member, Organization for Flora Neotropica Commission.

Christine Niezgoda
Field Museum: Member, SAD Committee; Member, Pest Committee; Member, Common Ground Project Committee.

Richard Ree
Field Museum: Member, Science Advisory Committee; Member, Library Committee; Member, Pritzker Lab Management Group; Member, Scholarship Committee; Chair, C&R/IT Committee.
External: Proposal reviewer, National Science Foundation; Manuscript reviewer, *International Journal of Plant Sciences, Evolution, Systematic Biology, Nature.*

Gayle Tonkovich
Field Museum: Member, Common Ground Project - Botany Pilot.

DEPARTMENT OF GEOLOGY

John R. Bolt
Field Museum: Chair, Science Advisory Council; Member, VP docket; Acting Chair, Department of Geology; Chair, Geology Promotions Committee; Member, *Fieldiana* Editorial Board and Associate Editor for Geology; Consultant and Signator to Business Enterprises for licensing.
External: Member, Financial Oversight Committee, Society of Vertebrate Paleontology; Manuscript Reviewer for *Journal of Paleontology*.

Charlene Fricker
Field Museum: Roundtable Member, Common Ground Project Committee.

Ian Glasspool
Field Museum: Disaster Planning Committee.

Lance Grande
Field Museum: Member: VP Docket, Committee on Science subcommittee of the Board of Trustees, Collections and Research/Library Liasion Committee, Collections and Research/Public Programs Liasion Committee, Head of Protection Services Search Committee, CRC Task Force Committee, Academic Affairs Management Group, Planning Committee for *Tsavo*; Organizer: Committee on Science, weekly C&R Chair Meetings, Collections and Research/IT Liasion Committee, quarterly C&R State of Affairs meetings, Content Specialists for Temporary Exhibits; Participant: Board of Trustees, Orientation for New Trustees, Founders' Council meetings, Women's Board meetings; Co-Chair: Activity Coordination Committee for Evolutionary Projects.
External: Editor, *Journal of Vertebrate Paleontology*; Editorial Board, *Revista*; Manuscript Reviewer: *Journal of Morphology, Journal of Paleontology, Zoological Journal for the Linnean Society, Copeia, Mesozoic Fishes, Journal of Vertebrate Paleontology*; Proposal Reviewer: National Science Foundation, Levrhulme Trust (London).

Lori Grove
External: Board of Directors, Maxwell Street Foundation; Secretary, Pine Lake Association (MI).

Eric Hilton
External: Member, Working Group, *Towards an Integrated Database for Fish Evolution*, National Evolutionary Synthesis Center, Durham, North Carolina; Technical Editor, *Journal of Paleontology*. Member, Editorial Board, *Copeia*; Judge, Storer Award (Annual meeting of the American Society of Ichthyologists and Herpetologists).

Rebekah Hines
Field Museum: Safety and Security Committee.

Philip E. Janney
Field Museum: Member of the Elemental Analysis Facility Committee and the SEM Committee
External: Manuscript reviewer for *Earth and Planetary Science Letters, Geochemistry, Geophysics, Geosystems (G^3)*, and *Proceedings of the Ocean Drilling Program, Scientific Results.*

Peter Makovicky
Field Museum: Geology representative, Licensing Committee; Geology representative, Scholarship Committee.
External: Member, Romer Prize Committee for honoring best student presentation, Society of Vertebrate Paleontology 65th Annual Meeting; Grant proposal reviewer for National Science Foundation; Manuscript reviewer for the following journals: *Nature*, *Science*, *Journal of Paleontology*, *Journal of Vertebrate Paleontology*, *Naturwissenschaften*, *Neues Jahrbuch für Geologie und Paläontologie*, *Palaeontology, Zoological Journal of the Linnean Society*.

Jennifer C. McElwain
Field Museum: Member, Seminar Series Committee' Member, Academic Affairs-Exhibits-Education-ECCo Liason Committee; SAC At large Council Member; Member, Hinds Graduate Research Scholarship Review Committee, University of Chicago.
External: Geology Editorial Board, The Paleontological Society At large Council Member under 40. Manuscript Reviewer for *Science*, *Geology*, *Earth and Planetary Sciences Letters*, *PALAOIS*, *Global Change Biology*, *Journal of Quaternary Sciences*, *Quaternary Research*, *Paleo. Paleo. Paleo.*, *Nature, Geophysical Research-Earth Surface*, Proposal Reviewer for: National Science Foundation.

R. Carter O'Brien
Field Museum: Member, A Greener Field; Member, Science Advisory Council; Academic Affairs Professional Staff Representative.

Olivier Rieppel
Field Museum: Chair, Department of Geology; Chair, ACCEP Committee; Member, Academic Affairs Management Group; Member, Academic Affairs and Museumwide CRC Task Force.
External: Editor: *Journal of Vertebrate Paleontology*; Associate Editor: *Zoological Journal of the Linnean Society and Amphibia and Reptilia*; *Zoologischer Anzeiger; Palaeontologische Zeitschrift*. Editorial Board: *Development and Evolution; Zoologische Abhandlungen des Staatlichen Museum für Tierkunde, Dresden*. Richard Estes Memorial Award Committee, Society of Vertebrate Paleontology; Honorary Membership Committee, Society of Vertebrate Paleontology; Member of the *Visiting Group to the Department of Paleontology*, The Natural History Museum, London.

Meenakshi Wadhwa
Field Museum: Chair, Scholarship Committee.
External: National Academies' National Research Council Committee on Origin and Evolution of Life; NASA's Solar System Exploration Strategic Roadmap Committee; Solar System Exploration Subcommittee of NASA's Space Science Advisory Committee; NASA's Cosmochemistry Program Management Operations Working Group; NASA's Curation and Planning Team for Extraterrestrial Materials; Universities Space Research Association's Science Council for Lunar and Planetary Institute; Program Committee for the 68th Annual Meteoritical Society Meeting.

Peter J. Wagner
External: Paleobiology Database Advisory Board; Editorial Board, *Palaeontologische Zeitschrift*; Science Advisory Board, National Evolutionary Synthesis Center (NESCent).

Elaine Zeiger
Field Museum: Secretary, Scholarship Committee.

DEPARTMENT OF ZOOLOGY

John M. Bates
Field Museum: Chairman, Department of Zoology; Zoology representative, Academic Affairs Management Group; Zoology representative, Academic Affairs Licensing Committee; Zoology representative, Academic Affairs CRC Task Force Committee; Member, Pritzker Lab Management Committee; Member, The Field Museum Africa Council; Member, The Field Museum/University of Chicago Biodiversity Initiative Planning Committee; Participant, Collections and Research Committee; Participant, Database Meetings, Common Ground Project; Participant, Founders' Council Dinner.
External: Committee Member, Cooper Ornithological Society Student Awards Committee; Board Member, Society of Neotropical Ornithological Society; Zoology Department Liaison, Chicago office of U.S. Fish and Wildlife Service; Member, Committee on Evolutionary Biology, University of Chicago.

Rüdiger Bieler
Field Museum: Head, Division of Invertebrates; Chair, Library Committee; Zoology representative, SEM Committee.
External: Past President on Council, American Malacological Society; Member, Committee on Evolutionary Biology, University of Chicago; Member, Faculty Appointments Committee, Committee on Evolutionary Biology, University of Chicago; North American Editor, *Zoological Journal of the Linnean Society*; Editorial Board, *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.*

Carl W. Dick
Field Museum: Insects representative, Cryogenics Storage Committee.
External: Member, Board of Directors, American Society of Mammalogists; Member, Systematics Collections Committee, American Society of Mammalogists; Member, Board of Governors, Southwestern Association of Naturalists.

Jack Fooden
External: Editorial Board, *International Journal of Primatology*.

Jochen Gerber
Field Museum: Zoology representative, Collections and Research/Library Liaison Committee.

Steven M. Goodman
External: Editorial Board, *Faune de Madagascar*, *Mammalia*, *Working Group on Birds of the Malagasy Region*.

Shannon J. Hackett
Field Museum: Member, Pritzker Lab Management Committee; Zoology representative, Academic Affairs Management Group; Zoology representative, Collections and Research/IT Committee; Manager, High Performance Computing Cluster; Academic Affairs point person, Cryogenics Facility; Radiation Safety Officer.
External: Council Member, Society of Systematic Biologists; Member, Committee on Evolutionary Biology Student Advisory Committee, University of Chicago; Editorial Board, *Molecular Phylogenetics and Evolution*.

Lawrence R. Heaney
Field Museum: Head, Division of Mammals; Chair, Pest Subcommittee, Facilities Advisory Group; Member, Department of Zoology Promotions Committee.
External: Member, Science Advisory Board, Lubee Foundation; Board of Trustees and Editorial Board, Wildlife Conservation Society of the Philippines; Consultant, Philippine issues, Conservation International, National Geographic Society and World Wildlife Fund; Vice President, American Society of Mammalogists; Member, Advisory Board, Threatened Species Program, Haribon Foundation, Philippines; Member, Committee on Evolutionary Biology, University of Chicago.

Mary Hennen
Field Museum: Zoology representative, Safety Committee; Zoology representative, Academic Affairs Security, Archives and Disaster Committee.
External: Board Member, Education Committee Chair and Editorial Board, Illinois Ornithological Society; Board Member, Illinois Bluebird Project; Member, Illinois Audubon Society.

Robert F. Inger
External: Emeritus Trustee, The Nature Conservancy of Illinois; Editorial Board, *Hamadryad*, *Journal of the Centre for Herpetology*, *The Natural History Journal of Chulalongkorn University*, *Acta Zootaxonomica Sinica.*

Janeen Jones
Field Museum: Zoology representative, Centralized Database Committee, Common Ground Project.

Maureen Kearney
Field Museum: Chair/Zoology representative, Field Museum Scholarship Committee.
External: Chair, Nominating Committee, American Society of Ichthyologists and Herpetologists; Member, Board of Governors, American Society of Ichthyologists and Herpetologists; Member, Estes Awards Committee, Society of Vertebrate Paleontology; Member, Executive Council, Herpetologists' League; Member, Committee on Evolutionary Biology, University of Chicago; Elector, Society for the Study of Amphibians and Reptiles; Associate Editor, *Morphology and Systematics*, *Herpetologica*; Editorial Board, *Copeia*; Manuscript referee, *Copeia, Journal of Herpetology, Journal of Vertebrate Paleontology, Journal of Systematic Palaeontology, Systematic Biology*; Book reviewer, Campbell/Reece Biology; Grant reviewer, Systematics, National Science Foundation.

Julian C. Kerbis Peterhans
External: Executive Committee, Roosevelt University, University College; Student Advisor, Roosevelt University, University College; Curriculum Committee, Roosevelt University, College of Arts and Science; College Council, Roosevelt University, College of Arts and Science; Member, Visual Training Jury, Illinois Institute of Technology; Reviewer, *Journal of East African Natural History*.

Alfred F. Newton
Field Museum: Chair, Zoology Promotion Committee.
External: Member, Editorial Board, *Belgian Journal of Entomology*; Member, Committee for Official List of Family- and Genus-group names in Coleoptera (Coleopterists Society representative).

Bruce D. Patterson
Field Museum: Zoology representative, Field Museum-UIC Coordination Committee; Member, Zoology Promotions and Review Committee; Member, Anthropology Promotions and Review Committee.
External: Past President, American Society of Mammalogists; Member, New World Marsupials Specialist Group, International Union for the Conservation of Nature/Species Survival Plan; Member, African Lion Working Group, International Union for the Conservation of Nature/Species Survival Plan; Member, African Lion Genetics Working Group, International Union for the Conservation of Nature/Species Survival Plan; Member, Chancellor's Advisory Committee, University of Puerto Rico; Member, Bionexus Scientific Advisory Council; Member, Science Advisory Board, Midwest Museum of Natural History; Member, Committee on Evolutionary Biology, University of Chicago; Referee for Tenure Committee, Northwestern University; Referee for Tenure Committee, Oklahoma State University; Referee for Tenure Committee, St Lawrence University; Referee for Tenure Committee, Humboldt State University; Associate Editor, *Mastozoología Neotropical*; Editorial Board, *Mastozoología Neotropical Publicaciones Especiale*, *Diversity and Distributions*.

Martin D. Pryzdia
Field Museum: Zoology representative, Safety Committee.

Alan Resetar
External: Member, Indiana Department of Natural Resources Nongame Program, Amphibian and Reptile Technical Advisory Committee; Member, Chicago Wilderness Reptile and Amphibian Recovery Plan; Member, Partners in Amphibian and Reptile Conservation; Member, Indiana Academy of Science, Biodiversity and Natural Areas Committee; Vice President, Porter County, IN Wildlife Management Advisory Board; Advisory Board Member, Woodland Savanna Land Conservancy, Valparaiso, IN; Committee Member, Taltree Arboretum, Valparaiso, IN.

Clara L. Richardson
External: Past-President, Guild of Natural Science Illustrators.

Mary Anne Rogers
Field Museum: Zoology representative, Recycling Subcommittee, Facility Advisory Group.
External: Member, Collections and Resources Committee, American Society of Ichthyologists and Herpetologists.

Petra Sierwald
Field Museum: Zoology representative, Field Museum Research Seminar Series; Zoology representative, Scholarship Committee; Organizer and presenter, Womens' Board Zoology Department tour.
External: Editorial Board, *The Journal of Arachnology*, *Journal for Zoological Systematics and Evolutionary Research*; Proposal Reviewer, National Science Foundation; Reviewer, *Zoological Journal of the Linnean Society*, *Molecular Phylogenetics and Evolution*.

Alexey Solodovnikov
External: Reviewer, *Deutsche Entomologische Zeitschrift, Zootaxa, African Entomology, Acta Zoologica Sinica*.

William T. Stanley
Field Museum: Zoology representative, Recycling Subcommittee, Facility Advisory Group.
External: Member, Resolution Committee, American Society of Mammalogists; Chair, Systematic Collections Committee, American Society of Mammalogists.

Kevin Swagel
Field Museum: Zoology representative, Personnel Committee.

Margaret K. Thayer
Field Museum: Acting Head, Division of Insects; Zoology representative, Information Technology Committee; Zoology representative, Core Committee, Common Ground Project; Coordinator, Insects database conversion; Member, Zoology Promotion Committee; Occasional pest insect identifications.
External: Editorial Board, *Thomas Say Publications* series (Entomological Society of America), *Dugesiana;* International Advisory Board, *Annales Zoologici*; Reviewer, book proposals, University of Chicago Press.

Janet R. Voight
Field Museum: Associate Editor, *Fieldiana - Zoology*; Zoology representative, Academic Affairs/ECCo Exhibitions Education Liaison Committee; Zoology representative, Institutional Animal Care and Use Committee; Member, Zoology and Botany Promotion and Tenure Review Committees.
External: Member, American Malacological Society Student Presentation Judging Committee; Member and Chair American Malacological Society Student Research Award Committee; Member, Graduate Admissions Committee, University of Chicago; Member, Committee on Evolutionary Biology, University of Chicago.

Harold K. Voris
Field Museum: Head, Division of Amphibians and Reptiles; Managing Scientific Editor, *Fieldiana*, *New Series*.
External: Editorial Board, *The Natural History Journal of Chulalongkorn University*; Member, Board of Trustees and Member, Science Advisory Committee, Illinois Chapter, The Nature Conservancy; Member, Committee on Evolutionary Biology, University of Chicago.

Jason Weckstein
External: Member, American Ornithologists' Union Student Awards Committee.

Mark W. Westneat
Field Museum: Chair, Institutional Animal Care and Use Committee; Zoology representative, Science Advisory Council; Teaching Liaison, Field Museum/University of Chicago.
External: Member, Hinds Fund Committee, University of Chicago; Member, Lecturer Review Committee, University of Chicago; Member, Committee on Evolutionary Biology, University of Chicago.

David Willard
External: Editorial Board, *The Meadowlark*; Member, Illinois Ornithological Records Committee.

Philip Willink
External: Member, All Catfish Species Inventory; Member, Great Lakes Rapid Response Plan; Member, Chicago Wilderness Aquatic Initiative; Member, Technical Advisory Group (Little Calumet and Grand Calumet River Corridors), Illinois Coastal Management Program; Reviewer, *Zootaxa*, *Copeia*.

FIELDWORK AND RESEARCH TRAVEL, 2005

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson
Research: Wales and Liverpool, UK; Beijing, China.

Winifred Creamer
Field Work: Norte Chico region, Peru.

L. Antonio Curet
Field Work: Ponce, Puerto Rico.
Research: Ponce, Coamo, Salinas, and Maricao, Puerto Rico.

Scott J. Demel
Field Work: Chinatown, Chicago; Pullman State Historic Site, Chicago.
Research: Hopkins Park/Pembroke Township, IL; Upper Peninsula, MI; Spacesaver Corporation, Ft. Atkinson, WI; ProMat Trade Show, Chicago.

Gary M. Feinman
Field Work: Shandong, China; El Palmillo, Oaxaca, Mexico.

Jonathan Haas
Field Work: Coastal area, Peru.

Robert L. Hall
Field Work: Picture Cave, Warrenton, MO.

Chapurukha M. Kusimba
Field Work: Mount Elgon, Kenya.

Robert D. Martin
Research: The Natural History Museum, London, UK; Royal College of Surgeons, London, UK; American Museum of Natural History, New York; Staatliches Museum für Naturkunde, Stuttgart, Germany, Anthropologisches Institut & Museum, Zürich, Switzerland.

Stephen E. Nash
Field Work: East-Central Arizona.
Research: Arizona State Museum, Tucson.

Linda M. Nicholas
Field Work: Shandong, China; El Palmillo, Oaxaca, Mexico.

Jill Seagard
Field Work: El Palmillo, Oaxaca, Mexico.

Anne P. Underhill
Field Work: Nu River area, Yunnan, China; Rizhao area, Shandong, China.

Alaka Wali
Field Work: Chicago, Illinois.
Research: Pando, Bolivia; Cordillera Azul National Park, Peru; Matses Communal Reserve, Peru.

Patrick Ryan Williams
Field Work: Moquegua, Peru.

DEPARTMENT OF BOTANY

Michael O. Dillon
Field Work: Peru; Chile.

Eve Emshwiller
Field Work: Peru.
Research: Lima, Peru, Herbario Nacional Javier Prado; Lima, Peru, International Potato Center.

John J. Engel
Field Work: Tierra del Fuego, Chile.
Research: Geneva, Switzerland, Geneva Herbarium.

Sabine M. Huhndorf
Field Work: Great Smoky Mountains National Park, NC.

Maria Lucia Kawasaki
Research: Sarasota, FL, Marie Selby Botanical Gardens.

Patrick R. Leacock
Field Work: Chicago region; IL; IN; WI,University of LaCrosse.

Robert Lücking
Field Work: Lima, Peru; Panama, Parque Nacional Campaña and Parque Nacional Metropolitano; Costa Rica, La Selva Biological Station; Costa Rica, Irazú Volcano; Cartago, Costa Rica, Lancaster Botanical Garden; San José, Costa Rica, Universidad de Costa Rica campus.
Research: East Lansing, MI, Michigan State University; San José, Costa Rica, Instituto Nacional de Biodiversidad and Universidad de Costa Rica; Lima, Peru, Universidad Peruana Cayetano Heredia and Universidad Nacional Mayor de San Carlos; Mexico City, Mexico, Universidad Nacional Autónoma de México.

Thorsten Lumbsch
Field Work: Northern and western Cape Region, South Africa; Estremadura, Spain.
Research: Universidad Complutense de Madrid, Spain.

Gregory M. Mueller
Field Work: Costa Rica; Chicago region; Panama; Victoria, Australia.
Research: San Jose, Costa Rica, University of Costa Rica; Santo Domingo, Heredia, Costa Rica, Costa Rican National Institute of Biodiversity (INBio); Melbourne, Australia, Royal Botanic Garden.

Richard Ree
Fieldwork: Sichuan and Yunnan, China.
Research: Cambridge, MA, Harvard University Herbaria; Kunming, China, Kunming Institute of Botany.

Gayle Tonkovich
Field Work: Indiana Dunes National Lakeshore, IN.

DEPARTMENT OF GEOLOGY

Lorie J. Barber
Research: American Museum of Natural History, NY.

Lisa Bergwall
Fieldwork: Green River Formation of southwestern Wyoming.

John R. Bolt
Research: University of Michigan Museum of Paleontology, Ann Arbor, MI; Kansas University Museum of Natural History, Lawrence, KS; Cleveland Natural History Museum, Cleveland, OH.

Marlene Hill Donnelly
Field Work: Hawaii, Kauai: Field sketching, cycad research and painting; Mt. Baker, WA: Field sketching, Equisetum research and painting.

Ian Glasspool
Fieldwork/Collections enhancement: Michigan State University, East Lansing, MI.

Lance Grande
Fieldwork: Green River Formation, southwestern Wyoming.
Research: Madrid, Spain; The Natural History Museum, London; American Museum of Natural History, New York.

Eric Hilton
Fieldwork: Galápagos Islands, Ecuador.
Research: Smithsonian Institution, Washington D.C.; University of Massachusetts, Amherst, MA.

James Holstein
Fieldwork: Green River Formation, southwestern Wyoming; Rio Negro Province, Argentina.

Philip Janney
Fieldwork: Upper Peninsula, Michigan; central and eastern Ontario, Canada.

Peter J. Makovicky
Fieldwork: Big Horn Basin, WY, MT; Rio Negro Province, Argentina; Laiyang, Shandong Province, China.
Research: AMNH, NY; Institute of Vertebrate Paleontology and Paleoanthropology & Peking University, both Beijing; Museo Carmen Funes, Plaza Huincul, Argentina; Museo Carlos Ameghino, Cipolletti, Argentina; Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina; Fukui Prefectural Museum, Fukui, Japan; Mesa Southwest Museum, Mesa, AZ.

Jenny McElwain
Fieldwork: Northern California.

Olivier Rieppel
Research: Stuttgart: Staatliches Museum für Naturkunde; Frankfurt: Senckenberg Museum; Darmstadt: Hessisches Landesmuseum; Halle/Saale: Geiseltalmuseum; Jerusalem: The Hebrew University, Department of Ecology and Evolution; London: The Natural History Museum, Department of Paleontology, London.

Marcello Ruta
Research: American Museum of Natural History, NY.

Akiko Shinya
Fieldwork: Bighorn Basin, WY; Bridger Creek, MT; Shandong Province, P.R. China.

Constance Van Beek
Fieldwork: Bighorn Basin, Wyoming and Montana, Cretaceous Cloverly Formation.

Meenakshi Wadhwa
Research: Washington University, St. Louis, MO; Max-Planck-Institute for Chemistry, Mainz, Germany.

Peter J. Wagner
Research: Natural History Museum, Smithsonian Institution; The Natural History Museum, London.

DEPARTMENT OF ZOOLOGY

John M. Bates
Field Work: Kahuzi-Biega National Park, Democratic Republic of Congo; Central Malawi Highlands, Malawi.
Research: Kampala, Uganda, Makerere University Museum of Natural History; Kampala, Uganda, Makerere University Institute for Environment and Natural Resources; Lwiro, Democratic Republic of Congo, Centre de Recherche en Sciences Naturelles; Capetown, South Africa, University of Capetown; Stellenbosch, South Africa, University of Stellenbosch; Belém, Brazil, Museu Paraense "Emilio Goeldi."

Rüdiger Bieler
Field Work: Florida Keys, Florida; Dry Tortugas Archipelago, Florida; Thailand.
Research: New York, NY, American Museum of Natural History.

Carl W. Dick
Field Work: Dominican Republic.
Research: Altoona, PA, Pennsylvania State University-Altoona.

Jack Fooden
Research: Inuyama, Japan, Kyoto University, Primate Research Center; Washington, DC, National Museum of Natural History.

Jochen Gerber
Field Work: Tennessee; Illinois.

Thomas Gnoske
Field Work: Central Malawi Highlands, Malawi; South Africa.
Research: Stellenbosch, South Africa, University of Stellenbosch; Western Cape, South Africa, Cape Nature Conservation Department; Cape Town, South Africa, South African Museum; Kimberly, South Africa, McGregor Museum.

Steven M. Goodman
Field Work: Madagascar: Tsimanampetsotsa region, Itampolo region, Ranomafanana, Kianjavato, Anjozorobe, Ankarana, Besalampy; Mauritius: 12 different sites across island; Seychelles: islands of Silhouette, Picard, Aldabra, Astove, Cosmoledo, Alphonse, St. Pierre, Bijoutier, Amirante, and Victoria.
Research: Paris, France, Muséum National d'Histoire Naturelle; Berlin, Germany, Naturhistorisches Museum; London, UK, The Natural History Museum; Antananarivo, Madagascar, Parc Botanique et Zoologique de Tsimbazaza; Antananarivo, Madagascar, Université d'Antananarivo, Département de Biologie Animale.

Shannon J. Hackett
Research: Cambridge, MA, Harvard University.

Lawrence R. Heaney
Field Work: Mt. Natib, Bataan National Park, The Philippines; Southern mountains, Utah.
Research: Salt Lake City, UT, Utah Museum of Natural History; Manila, The Philippines, National Museum of the Philippines; Washington, DC, United States National Museum of Natural History.

Robert F. Inger
Field Work: Sarawak (Borneo), Malaysia.

Maureen Kearney
Research: Gainesville, FL, University of Florida; New Haven, CT, Yale University; Stony Brook, NY, Stony Brook University.

Julian C. Kerbis Peterhans
Field Work: Tsavo East National Park, Laikipia Plateau, Loita Hills and Chyulu Hills National Park, Kenya; Kahuzi-Biega National Park, Democratic Republic of Congo.
Research: Seattle, WA, Burke Museum; Cambridge, MA, Museum of Comparative Zoology; New York, NY, American Museum of Natural History; London, UK, The British Museum.

Jennifer M. Mui
Field Work: Illinois.

Alfred F. Newton
Field Work: North and South Islands, New Zealand.
Research: Berlin, Germany, Museum für Naturkunde der Humboldt-Universität; London, UK, The Natural History Museum; Oxford, UK, Oxford University, Hope Entomological Collections; Auckland, New Zealand, Auckland War Memorial Museum and New Zealand Arthropod Collection; Wellington, New Zealand, Museum of New Zealand–Te Papa Tongarewa; Christchurch, New Zealand, Canterbury Museum; Lincoln, New Zealand, Lincoln University, Entomology Research Museum; Dunedin, New Zealand, Otago Museum and John Nunn Beetle Collection.

Bruce D. Patterson
Field Work: Taita and Rukinga Ranches, Tsavo East National Park, Kenya (4 trips).
Research: Aracruz, Espirito Santo, Brazil (Global Mammal Assessment workshop); Lubbock, TX.

Alan Resetar
Field Work: Indiana; Illinois.

Petra Sierwald
Research: Vancouver, BC.

Alexey Solodovnikov
Field Work: New Zealand.
Research: London, UK, The Natural History Museum; Manchester, UK, The Manchester Museum; Auckland, New Zealand, Auckland Museum, Entomology Collections; Auckland, New Zealand, New Zealand Arthropod Collection; Dunedin, New Zealand, Otago Museum; Christchurch, New Zealand, Canterbury Museum; Lincoln, New Zealand, Lincoln University Collection.

William T. Stanley
Field Work: Tarangire National Park, Mikumi National Park and Mafia Island, Tanzania.
Research: Mbeya, Tanzania, Southern Highlands Conservation Project; Dar es Salaam, Tanzania, University of Dar es Salaam; London, UK, The British Museum.

Margaret K. Thayer
Field Work: North and South Islands, New Zealand.
Research: Berlin, Germany, Museum für Naturkunde der Humboldt-Universität; London, UK, The Natural History Museum; Oxford, UK, Oxford University, Hope Entomological Collections; Auckland, New Zealand, Auckland War Memorial Museum and New Zealand Arthropod Collection; Wellington, New Zealand, Museum of New Zealand–Te Papa Tongarewa; Christchurch, New Zealand, Canterbury Museum; Lincoln, New Zealand, Lincoln University, Entomology Research Museum; Dunedin, New Zealand, Otago Museum and John Nunn Beetle Collection.

Takanobu Tsuihiji
Research: St. Augustine, FL, St. Augustine Alligator Farm; New Haven, CT, Yale Peabody Museum of Natural History; Pittsburg, PA, Carnegie Museum of Natural History; Tokyo, Japan, National Science Museum; Okayama, Japan, Hayashibara Museum of Natural Sciences.

Janet R. Voight
Research: La Jolla, CA, Scripps Institution of Oceanography; Washington, DC, United States National Museum.

Harold K. Voris
Field Work: Khorat Basin, northeastern Thailand; Kho Chang, southeastern Thailand.

Jason D. Weckstein
Research: Salt Lake City, UT, University of Utah, Price Institute for Phthirapteran Research.

Mark W. Westneat
Field Work: Kauai, Hawaii; Lake Michigan, Illinois.
Research: Chicago, IL, Argonne National Laboratory.

David Willard
Field Work: Central Malawi Highlands, Malawi; Arkansas.
Research: MN, Minnesota Department of Natural Resources regional offices; Green Bay, WI, Bay Beach Wildlife Sanctuary.

Philip Willink
Field Work: Illinois; Indiana.

PUBLIC EDUCATION AND OUTREACH, 2005
(Exhibits, Informal Education, Public Presentations, etc.)

DEPARTMENT OF ANTHROPOLOGY

Daniela Bono
Education Programs: Field Museum Members' Nights.
Web Projects: Content specialist, Worlds Columbian Exposition Collections website.
Tours and Field Trips: Field Museum/Anthropology Department Tours, *Chicago Public School/Crow Canyon.*

Bennet Bronson
Exhibit Development: Point Person, *Pompeii.*
Media Development: Newspaper interviews: *Chicago Tribune*, *Northwest Indiana Times*, *Chicago Journal*
Public Presentations: Public Lecture on Chinese food at Chicago Cultural Center.
Other: Behind-the-scenes tours for Institutional Advancement, new Trustees, visiting VIPs, etc.

J. P. Brown
Exhibition Development: Environmental Conservator, *Americas;* Environmental Conservator, *Pacific Spirits*.
Education Programs: Opening of CRC; Members Nights; Illinois Radiological Society Dinner.
Media Development: Newspaper interviews: *Chicago Tribune*, *Make Magazine*.
Other: Collections tours for Martha Stewart, Krumstok family, etc.; Conservation and SEM-EDS laboratory tours to colleagues of Henry Chandler; Assessment of Asian metal collections, Dept. of Burmese Studies, Northern Illinois University.

Katie Craig
Education Programs: Field Museum Members' Nights.
Media Development: Television interview, *HDNews.*
Tours and Field Trips: Field Museum/Anthropology Department Tours, *Chicago Public School/Crow Canyon.*

Winifred Creamer
Public Presentations: Earth Science Club of Northern Illinois; Franklin Middle School, Wheaton, IL.
Media Development: Magazine/periodical interviews: *Archaeology*, *Discover, Raices,* Peru, *Bild der Wissenschaft;* Radio interview, *Radio Fortaleza*, Barranca, Peru.

L. Antonio Curet
Exhibit Development: Content Specialist, *Americas Project*.
Education Programs: Field Museum Members' Nights; Director, Taíno Project, Puerto Rican Arts Alliance.
Public Presentations: Public Lecture in *Tainos Among Us*, Chicago; Public Lecture on early Caribbean Prehistory, Taller Puertorriqueño, Philadelphia.
Media Development: Newspaper interview, *El Nuevo Día*, San Juan, Puerto Rico.
Other: Behind-the-scenes tours for staff of Congressman Luis Gutierrez.

Scott J. Demel
Media Development: Newspaper interviews: *Chicago Tribune, Chicago Sun-Times, Montreal Gazette, Chicago Journal, Detroit Free Press*; TV interviews: WTTW-TV, WBBM-TV.
Exhibit Development: Updated exhibition, *Trash to Treasure*; Consultant, *Americas*; Content advisor, Chicago prehistory exhibit, Chicago Historical Society.
Other: CRC tours and updates for CRC Task Force, CRC Review Group, Board of Trustees, Anthropology Alliance, staff, and visitors; Visiting researcher assistance with Illinois archaeological collections.

Laure Dussubieux
Education Programs: Field Museum Members' Nights.

Gary M. Feinman
Exhibition Development: Content advisor, *Americas* project, Aztec exhibit.
Education Programs: Electronic field trip, emails from the field (China, Mexico).
Public Presentations: Centro INAH Oaxaca, Mexico; Community assembly, Matatlán, Oaxaca, Mexico; El Palmillo site visit and tour, Oaxaca, Mexico; Public lecture, Matatlán, Oaxaca, Mexico; Field Museum Founders' Council; Field Musuem Research Seminar Series; Field Museum Cultural Collections Committee.
Media Development: Newspaper interviews: *Chicago Tribun*e, *The Daily Southtown*, *Chicago Tribune;* Television interview, The History Channel; Radio interview, WGN; Web interview, World Science; International press and web links, *Chicago Tribune*, International Conference, Rizhao, China, *Current Anthropology*, *US News*, *Science News*, *EurekAlert* (DC), *Business News*, Newz.in (India), Webindia123 (India), *High Plains Journal* (KS), Illinois Farm Bureau, Innovations report (Germany), *Food Consumer* (WI); *PNAS*, *M&C Science* and *Nature*, Guardian Unlimited, Innovations Report, latimes.com, SFGate.com.
Other: Interview by elementary school student for KerrCom, Evanston, IL; Behind-the-scenes tours for Museum members, visiting scholars, visiting VIPS, etc.; Article on China research in *In The Field*.

Jonathan Haas
Exhibit Development: Lead Curator, *Ancient Americas*; Curator, *Mata Ortiz Pottery*; Curator, *The Art of the Arapaho*.
Media Development: Newspaper interviews: *Chicago Tribune, National Geographic News, New York Times, El Comercio,* Associated Press on Peruvian research; Radio interview, WBEZ; Participated in development of BBC documentary on archaeology in Peru.
Other: Director for development, implementation and inauguration of new Museum of Archaeology, Pativilca, Peru.

Robert L. Hall
Public Presentation: Invited speaker, Chicago Archaeological Society, Evanston, IL.
Tours and Field Trips: Tour guide, Gen. Atkinson Mound Group, Wisconsin Archeological Society, Ft. Atkinson, WI.
Other: Consultant to the Crow Nation on certain matters of Crow prehistory; consultant to the Ho-Chunk Nation on certain matters of Ho-Chunk prehistory.

Hildegard Heine
Education Programs: Presentation, Girl Scouts of IL.

Chapurukha M. Kusimba
Exhibits Development: Peer reviewed proposals; Research on the tomb of Unis Ankh (with P. Onderka), Prague, Czech Republic.
Education Programs: Instruction about Africa/African exhibit to high school teachers.

Debbie Linn
Tours and Field Trips: Field Museum/Anthropology Department Tours, *Chicago Public School/Crow Canyon.*

Robert D. Martin
Education Programs: Supervision of Expeditions@Field program; Field Museum Members' Nights; Workshops for National Geographic Live!
Exhibit Development: Content advisor on primates/hominids for *Evolving Planet;* Attended opening of the *Darwin* exhibit at the American Museum of Natural History, New York.
Media development: Published article in the *Guardian* newspaper (UK); Comments on primate/humen evolution cited by the following news agencies/newspapers: *Associated Press*, *Baltimore Sun*, *Chicago Tribune*, *El Pais*, *Fort Wayne (Ind.) News Sentinel*, *Neue Zürcher Zeitung*, *New Scientist*, *New York*

Times, *Reuters*, *Science Magazine*, *Science News*, *Science Now*, *Seattle Post*, *USA Today*, *Washington Post*; Radio interview on WGN Radio Extension 720; Appearance on CBS2 morning news; Participation in the BBC Horizon/Discovery Channel documentary *The Mystery of the Human Hobbit*, assessing hominid finds from Flores, Indonesia.
Tours and Field Trips: Women's Board tour of Collections & Research (Geology/Zoology). Official opening of the CRC.
Other: Presenter, Founders' Council Award of Merit event; Presenter, Parker/Gentry Award event.

Maxine E. McBrinn
Education Programs: Class on prehistoric archaeology of the Americas; Behind-the-scenes tour for *America's Treasures*; Scientist at the Field for Mata Ortiz.
Tours and Field trips: Tour leader, Dickson Mounds Museum.
Other: Behind-the scenes tour for Sociologists Teaching at Christian Colleges.

Joanna Minderop
Education Programs: Presentation, Girl Scouts of IL.

Stephen E. Nash
Exhibit Development: Content consultant, *Halls of the Americas;* Content Developer, *Language of Lithics,* Schingoethe Center Museum, Aurora University.
Education Programs: True Teaching, True Learning Program; Instructor, *Time, Trees, and Prehistory*, Illinois; Humanities Council, Starved Rock, Illinois; *Art Resources in Teaching* program with Crow Canyon Archaeological Center and Chicago Public Schools.
Public Presentations: Lecture at North Park University.
Web Projects: Consultant on Save America's Treasures website; Donnelley Foundation/World's Columbian Exposition Project website; Paul S. Martin Collection website.
Other: Behind-the-scenes tours for Institutional Advancement, trustees, new employees, visiting VIPs, etc.

Linda M. Nicholas
Education Programs: Digital images for G. Feinman's electronic field trips (China, Mexico).
Public Presentations: Centro INAH Oaxaca, Mexico; Community assembly, Matatlán, Oaxaca, Mexico; El Palmillo site visit and tour, Oaxaca, Mexico; Public lecture, Matatlán, Oaxaca, Mexico; Field Museum Founders' Council; Field Musuem Research Seminar Series; Field Museum Cultural Collections Committee.
Media Development: International press and web links: International Conference, Rizhao, China; *Current Anthropology*, *US News*, *Science News*, *EurekAlert* (DC), *Business News*, Newz.in (India), Webindia123 (India), *High Plains Journal* (KS), Illinois Farm Bureau, Innovations report (Germany), *Food Consumer* (WI); Article on China research in *In The Field*.

Ruth Norton
Tours and Field Trips: Lecture and conservation laboratory tours for potential FM donors related to *Jackie Kennedy* exhibition; Conservation and SEM-EDS laboratory tours to colleagues of Henry Chandler.

Cheryl Podsiki
Education Programs: Co-presented conservation issues to Dr. Anne Underhill's *Museum and Anthropology* class.
Tours and Field Trips: Co-organizer, conservation lab tours between Newberry Library and Field Museum; Conservation laboratory tours.
Other: Demonstration organizer, demonstrations for hand-held XRF instrument with *Innov-X Systems* and *Oxford Instruments.*

Katherine Ridgway
Education Programs: Presentation, Girl Scouts of IL; Tour, Anthropology undergraduate class, Wheaton College.
Other: Acted as courier for Field Museum objects going on loan to: The Hellenic Museum of Art, Chicago; The Museum of Civilization, Ottawa, Canada; The Guggenheim, Bilbao, Spain; Nuveen, Chicago.

Helen Robbins
Education Programs: Field Museum Members' Nights; Presentation, Field Museum repatriation class from University of Illinois at Chicago; Presentation, Wheaton College anthropology class.

Ashton Spatz
Education Programs: Field Museum Members' Nights.
Media Development: Newspaper interview and tour, *Chicago Sun Times*; Television interview, HDNews.

John Edward Terrell
Education Programs: Field Museum Members' Nights.

Anne P. Underhill
Exhibit Development: Content Specialist (assistant): *Tutankhamun and the Golden Age of the Pharaohs, Maps*.
Public Presentations: Academic Affairs lecture on fieldwork in China, lecture for Liangchengzhen No. 1 Middle School on excavations at Liangchengzhen, Rizhao area, Shandong, China (chosen as Honorary Headmaster).
Media Development: Interviews for Chinese TV and newspapers, Rizhao, Shandong; featured in *In the Field*, Winter 2005.
Web Projects: Assisted with *Chinese Textiles* web site, Department of Anthropology
Other: Behind-the scenes tours for visiting VIPs, Institutional Advancement, visiting scholars and students, etc.; assisted with Exhibit at Smart Museum of Art, University of Chicago, and seminar at The Field Museum on Boone Collection; Organizer, Field Museum participants for tour by the Japanese Imperial Highnesses Prince and Princess Hitachi; testified (with D. Bekken) before the State Department (Washington, D.C.) in support of China's request to restrict the import of cultural property.

Alaka Wali
Exhibit Development: Point Person, Content Specialist, *Jacqueline Kennedy: The White House Years* exhibit; Content Specialist, *Design Innvovation in Manufactured Housing* exhibit.
Education Programs: Field Museum Behind-the-Scenes Event.
Public Presentations: Presentations for the Cultural Connections Programs including 2005 Kick-off event; Presentations on *Jacqueline Kennedy: The White House Years* exhibit, The Women's Board; Field Museum Board of Trustees; Presentation on Housing, CCUC Council; Presentation on Cultural Diversity, Evanston Leadership Program; Lectures on CCUC, Rotary Club; Kiwanis Club of Evanston.
Media Development: Periodical Interview, *Arts and Antiques*; Various Newspaper and Web Articles.
Tours and Field Trips: Tour Leader for the Women's Board, India.
Web Projects: Supervisor, *Latin American Textiles* web site; CCUC web site.
Other: Behind-the-scenes tours; Board of Trustees' Orientations.

Patrick Ryan Williams
Exhibit Development: Content Specialist, *Machu Picchu: Unveiling the Mystery of the Incas*; Content Specialist, *Maps* Exhibit.
Education Programs: New Science on Old Collections, Anthropology Alliance event.
Public Presentations: Lecture on Machu Picchu, Chicago Chemists Club.
Media Development: Explore, University of Florida Research Magazine; Radio interviews:WGN Radio, ABC-News Radio, WDEL; TV interview, Discovery Channel Canada's Daily Planet; Newspaper/magazine articles: *Chicago Tribune*, *Chicago Sun-Times*, *Washington Post*, *Toronto Globe and Mail*; Online articles: Discovery Channel News Online, Scientific American.com.

DEPARTMENT OF BOTANY

Michael O. Dillon
Education Programs: Botany Hall Docent Training.
Web Projects: Developer, Andean Botanical Information System web site, www.sacha.org.
Other: Friends of Botany Events.

Odile Dumbleton
Education Programs: Field Museum Members' Nights, Calumet Stewardship Initiative activites, Wolf Lake, Chicago, IL.
Web Projects: Assistant (Vascular Plants), *v-Plants: A Virtual Herbarium of the Chicago Region* website.
Other: Volunteer, Botany Friends Group event.

Eve Emshwiller
Exhibit Development: Content advisor, *Ancient Americas*; Consultant, *Mendel*.
Education Programs: Field Museum Members' Nights.
Other: Presentation, Botany Friends Group event.

John J. Engel
Education Programs: Field Museum Members' Nights.

Maria Lucia Kawasaki
Education Programs: Field Museum Members' Nights.

Patrick R. Leacock
Education Programs: Field Museum Members' Nights; Scientist at the Field program; Instructor, *Fungi of Northern Illinois*, Morton Arboretum Naturalist Certification Program; Instructor, *Mushrooms of the Chicago Region*, Tekakwitha Woods Forest Preserve, Kane County.
Public Presentations: Invited lecture, Illinois Mycological Association.
Tours and Field Trips: Illinois Mycological Association field trips.
Web Projects: Content and design developer, *vPlants.org* web site; Content developer, *North American Mycological Association Voucher Program* web site.
Other: Behind-the-scenes tours for teachers, students, interns, etc.

Robert Lücking
Web Projects: *Ticolichen* website, www.fieldmuseum.org/ticolichen; *KE EMu Botany Collections Database* (*Costa Rican Fungi*), http://emuweb.fieldmuseum.org/botany/search_crf.php; *KE EMu Botany Collections Database* (*Tropical Lichen Types*), http://emuweb.fieldmuseum.org/botany/search_trp.php; *The Foliicolous Lichen Homepage*, http://www.fieldmuseum.org/research_collections/botany/botany_sites/foliicolous/index.html, *The Thelotremataceae Website*, http://www.fieldmuseum.org/research_collections/botany/botany_sites/thelotrema/thelotrema.html.

H. Thorsten Lumbsch
Exhibit Development: Contributor, *Arctic National Wildlife Refuge: Seasons of Life and Land*.
Education Programs: Field Museum Members' Nights.
Media Development: *In the Field* contribution.

Gregory M. Mueller
Education Programs: Field Museum Members' Nights.
Public Presentations: Illinois Mycological Association, Chicago, IL.
Media Presentations: *Sun Times* article on poisonous mushrooms; *In The Field* article on what I bring to the field.
Other: Botany Friends Group events; CRC Opening event; Searle Herbarium Dedication event.

Web Projects: Developer, Macrofungi of Costa Rica, http://www.nybg.org/bsci/res/hall/costaric.html; Developer NAMA voucher collections project, http://www.fieldmuseum.org/nama/; Developer, *vPlants: A virtual herbarium of the Chicago region*. http://www.vplants.org/.

Christine Niezgoda
Education Programs: Field Museum Members' Nights.
Other: Presenter, Botany Friends Group events; various behind-the-scene tours.

Richard Ree
Web Projects: Developer, *Biodiversity of the Hengduan Mountains* web site/database.
Other: Behind-the-scenes tours.

Audrey A. Sica
Education Programs: Calumet Stewardship Initiative activities, Wolf Lake, Chicago, IL.

Betty Strack
Other: Botany Friends Group event; Searle Herbarium Dedication event.

Gayle Tonkovich
Education Programs: Dominican University tour of Botany Department V-Plants project; Calumet Stewardship Initiative activities, Wolf Lake, Chicago, IL.
Web Projects: Coordinator (vascular plants), *vPlants: A Virtual Herbarium of the Chicago Region* web site; Contributer, DiscoverLife.org.
Other: presenter, Botany Friends Group event; Volunteer, Botany Friends Group event.

Matt von Konrat
Education Programs: Presentations, Lincoln Park Conservatory, Chicago Park District, Chicago, IL; various Field Museum Behind-the-Scenes events.
Web Projects: Developer, LIIF: Liverwort Internet Information Facility www.liverworts.org; Editor, Bryophytes, DiscoverLife www.discoverlife.org/bryophyta.
Other: The Annual Fund behind-the-scenes event.

DEPARTMENT OF GEOLOGY

Lisa Bergwall
Education Programs: Field Museum Members' Nights; Field Museum Overnight Educational Program; Scientist on the Floor Program.
Other: Behind-the-scenes tours for various visitors.

John R. Bolt
Exhibit Development: Geology Department Liaison, *Evolving Planet*, and Content Advisor, *Life Over Time* exhibit revitalization.
Tours and Field Trips: Tours of *Evolving Planet* for members of Collections and Research Committee, and for Board of Trustees.

Marlene Hill Donnelly
Education Programs: Field Museum: Members' Nights.

Charlene Fricker
Education Programs: Field Museum Members' Nights.
Exhibit Development: *Life Over Time* / *Evolving Planet*.
Other: Various behind-the-scenes collections tours.

Ian Glasspool
Education Programs: Field Museum Members' Nights; Greenland Expedition Website.

Exhibit Development: *Life Over Time / Evolving Planet*.
Public Presentations: Friends of the Library; Individual Giving, Opening of the CRC, Board of Trustees (*Evolving Planet*).

Lance Grande
Exhibit Development: Content Specialist: *Evolving Planet; Silk Road* (joint FM/AIC exhibit).
Education Programs: Field Museum Field Museum Members' Nights; Docent Training for *Evolving Planet*; "Evolution 101" training sessions for *Evolving Planet*.
Public Presentations: Founders' Council, Friends of the Library, Field Associates, Women's Board.
Other: Various behind-the-scenes tours.

Lori Grove
Public Presentation: *The Artist's Studio* demonstration for the exhibition closing of "Peter V. Bianchi: The Art of Science**,"** Kenosha Public Museum (WI); Presentation about scientific illustration at The Field Museum for the School of the Art Institute Scientific Illustration class.
Education Programs: Field Museum Members' Nights.
Other: Behind-the-scenes tours for interested public.

Eric Hilton
Other: Behind-the-scenes tours for visiting scientists and others.

Rebekah Hines
Education Programs: Field Museum Members' Nights, CRC Grand Opening Night.
Other: Various behind-the-scenes tours.

James Holstein
Education/PR Programs: Field Museum Members' Nights; Museum Outreach program at Yorktown Mall; Facilitator of Bones and Stones class and field work in southwest Wyoming; Judge and panelist at Field Museum Dino Bee; Education volunteer training lecturer.

Philip E. Janney
Exhibit Development: Content Specialist for *Pompeii: Stories from an Eruption.*
Education Programs: Taught the following classes for Field Museum Education Department: *Daily Life in Pompeii* (Family Workshop), *The Story of Vesuvius' Eruption* (Family Workshop), and *From Magma to Lava* (Family Behind-the-Scenes).
Public Presentations: *Vesuvius and the Nature of Volcanic Eruptions* (part of Pompeii Adult Lecture Series) and a "Scientist on the Floor" event; Field Museum Members' Night and CRC Opening.
Media Development: Interviews with *Chicago Tribune*, *Chicago Sun-Times*, Smithsonian magazine, CBS Sunday Morning and Fox News Chicago, all pertaining to *Pompeii* Exhibit.

Peter J. Makovicky
Exhibition development: Content advisor and curator, "The Dinosaurs 2005-06: Evolution of theropods from their origin to birds, and the first appearance of SUE, the most famous dinosaur in the world" exhibit, National Science Museum Tokyo; Content advisor and curator, "*Dinosaur Dynasty*" exhibit; Content advisor, "*Evolving Planet*" exhibit; Content advisor "*Dinosaurs: Ancient Fossils, New Discoveries*" exhibit; Content Advisor, *Sue Dig-Pit*.
Education programs: Docent training seminar on *Dinosaur Dynasty* Exhibit; content development and participation in 'Carnivorous Dinosaurs from around the world' TFM Behind-the-Scenes Event.
Public Presentations: Presentation on "The Science of SUE" in connection with opening of SUE traveling exhibit in Japan; Public lecture in Rice Hall on Chinese Dinosaurs in conjunction with *Dinosaur Dynasty* exhibit.
Media development: Press conference and interviews with various international media (*New Scientist, Science Times, Washington Post, NPR, Chicago Tribune, Chicago Sun-Times, SF Chronicle, National Geographic on-line, GEO Magazine, Illustreret Videnskab, WTTN,* etc.*)* in connection with publication of South American dromaeosaurid in *Nature*; Interviews and TV shoot with various Japanese media in conjunction with SUE traveling exhibit in Japan. Interview with *Discovery* published in April 2005 issue,

and other interviews in conjunction with dinosaur related news items throughout the year.
Other: Presentation for Board of Trustees; behind-the-scenes tours in the department, and Evolving Planet for trustees and donors.

Jenny McElwain
Education Programs: Friends of Botany Lecture, Founders' Council Surveyors Lecture.
Exhibit Development: Content Specialist for temporary exhibit, *Arctic National Wildlife Refuge: Seasons of Life and Land*, and for permanent exhibit *Evolving Planet*.
Other: Research subject of two articles in *Chicago Sun Times*: "Global warming not new, but it's happening faster," "Study: Man has more impact than prehistoric nature"; and Discovery Channel: "Ancient Fossil Fuels Caused Jurassic Warming."

Clarita Nuñez
Education Programs: Field Museum Members' Nights.
Other: Behind-the-scenes tour for visiting scientist.

Olivier Rieppel
Exhibit Development: Content specialist: *The Sneaky Sea Creature* (Dinocephalosaurus); Content Advisor: *Evolving Planet*.
Education Programs: Field Museum Members' Nights; Presentation of Research at Board of Trustees Meeting; Presentation of Research at the Friends of Geology meeting.
Public Presentations: Academy of Sciences and Humanities, Jerusalem: "*Fossil snakes with well-developed hind limbs from the Middle East, and their bearing on snake origins*."
Media Development: Content specialist for Marine Monsters Project of National Geographic Society. Media presentations on the Triassic marine reptile *Dinocephalosaurus* from China.

Akiko Shinya
Exhibit Development: *Evolving Planet* fossil conservation, molding and casting advisor.
Education Programs: Field Museum Members' Nights; Prep lab workshop for Field Ambassador program; Prep lab tours for overnights; Behind-the scenes tours for Education departmental programs.
Public Presentation: Elderhostel lecture: *"From the ground."*
Other: Behind-the-scenes tours for various visitors.

Constance Van Beek
Education Programs: Field Museum Members' Nights 2005 (three nights); Scientist on the Floor program.
Other: Behind-the-scenes tours for various visitors.

Meenakshi Wadhwa
Exhibit Development: Content Advisor, *Evolving Planet*.
Other: behind-the-scenes tours of meteorite collection and Isotope Geochemistry Laboratory.
Media Development: Cited in articles in *Chicago SunTimes* and *Baltimore Sun*.

Deborah Wagner
Exhibit Development: Worked directly with Exhibitions on *Evolving Planet*.
Other: Mounting of Herrarasaurus cast endorsed by the president's office.

Peter Wagner
Exhibit Development: Content Advisor: *Evolving Planet*.

DEPARTMENT OF ZOOLOGY

John M. Bates
Exhibit Development: Content Advisor, *Mendel: Genius of Genetics*; Content Advisor, *Impressions of Tsavo*; Content Advisor and Photograph Contributor, *Evolving Planet*; Content Advisor, *Bringing the Pritzker Laboratory to the Public*.
Education Programs: Field Museum Members' Nights; CRC opening event.
Public Presentations: Presenter, The Field Museum Founders Council; Presenter, The Field Museum Africa Council.
Media Development: Interview, *Chicago Tribune.*
Tours and Field Trips: Founders' Council Spring Bird Walk.
Web Projects: Content Specialist, *Collaborations in Congo* web site; Content Specialist, *African Biodiversity Training Program* web site.
Other: Nature Conservancy/The Field Museum Ivory-billed Woodpecker talk; Various collection tours and presentations about the Department of Zoology and the Bird Division.

Rüdiger Bieler
Exhibit Development: Exhibit Curator, *Pearls* (now traveling); Support function, *Mendel: Genius of Genetics*.
Education Programs: Field Museum Members' Nights; CRC opening event.
Public Presentations: Various lectures on *Pearls* exhibit and related research.
Media Development: Use of field and laboratory photographs in various exhibition and textbook projects.
Web Projects: Content Specialist, *PEET* web site; Content Specialist, *Malacological Journals and Newsletters Online Database* web site.
Other: Various behind-the-scenes tours.

Carl W. Dick
Public Presentations: Texas Tech University, Lubbock, TX.

Jochen Gerber
Education Programs: Field Museum Members' Nights; CRC opening event.
Other: Various behind-the-scenes collections tours.

Tom Gnoske
Exhibit Development: Content Contributer, *Impressions of Tsavo*.

Steven M. Goodman
Media Development: Newspaper interviews, *Chicago Tribune, Chicago Sun Times, Chicagoist, Epoch Times, University of Michigan News Service, USA Today, Boston Globe, International Herald Tribune, Ithaca Journal, Washington Post*; Radio interviews, *National Public Radio*, *Chicago Public Radio, Boston Public Radio, Radio France International,* several Malagasy radio stations; Television interviews, *Malagasy Broadcasting Company, France 5, ABC.*

Shannon J. Hackett
Exhibit Development: Point Person, *Bringing the Pritzker Laboratory to the Public*; Point Person, *Mendel*: *Genius of Genetics*.
Education Programs: Field Museum Members' Nights, Creating new boxes devoted to Evolution in the Harris Education Loan Program.
Public Presentations: Oakton Elementary School.
Media Development: Newspaper interviews, *Chicago Tribune*; Newspaper interview *Chicago Sun Times*.
Web Projects: Content Specialist, *Pritzker Lab* web site; Content Specialist, *Early Bird Tree of Life* web site.
Other: Various behind-the-scenes tours.

Lawrence R. Heaney
Exhibit Development: Academic Affairs representative, Exhibit Development Team, *Place for Wonder*.

Education Programs: Field Museum Member's Nights; Guest lecturer, Dawes Elementary School, Evanston.
Media Development: Press release on new mammal from Zambales, The Philippines; Chicago newspapers and TV, development of CRC and move of tanned skins; Newspaper interviews, *Chicago Tribune*; Newspaper interviews, *Chicago Sun-Times*; Article, *USA Today*; Article, *Haring Ibon*; Article, *Scholastic News*.
Other: Behind-the-scenes tours of research and collection areas for Institutional Advancement, President's Office, and Field Museum Trustees, including tours with Women's Board and Annul Fund donors; Attended Founder's Council Award of Merit Dinner and Annual Meeting.

Mary Hennen
Education Programs: Field Museum Members' Nights.
Public Presentations: St. Linus School, Oak Lawn; Illinois Bluebird Conference; Barrington Natural History Society; Arlington Heights Park District; Mitchell Museum of Indian Art; Lyman Woods Forest Preserve District; Bret Harte School, Chicago; Lincoln Park Conservatory; Morton Arboretum.

Janeen Jones
Education Programs: Field Museum Members' Nights; CRC opening event.

Maureen Kearney
Education Programs: Field Museum Members' Nights.
Public Presentations: Presenter, Field Museum Board Meeting.
Media Development: Interview, *In the Field.*

Julian C. Kerbis Peterhans
Exhibit Development: Content Advisor, *Impressions of Tsavo*.
Education Programs: Field Museum Members' Nights.
Public Presentations: Lecture, Institutional Advancement.
Media Development: Television series, *Hunter and Hunted*, National Geographic Society.
Web Projects: Content Specialist, *African Tropical Biodiversity Program*.

James B. Ladonski
Education Programs: Field Museum Members' Night; 8th Annual Chicago River Student Congress; SCOPES Summit, Great Lakes Institute teacher workshop, Indiana Dunes Environmental Learning Center; Indiana Master Naturalist Program; Great Lakes Exploration teacher workshop, Chicago Public Schools Museology Program, John G. Shedd Aquarium.
Public Presentations: Berrien County Parks and Recreation Commission; Elkhart County Park and Recreation Department; Evanston North Shore Bird Club; Kalamazoo Nature Center.
Media Development: Newspaper interview, *The Herald-Palladium.*
Tours and Field Trips: Various behind-the-scenes collection tours.
Other: Science Advisor, Gar Anglers' Sporting Society.

Alfred F. Newton
Education Programs: Field Museum Members' Nights; CRC opening event.
Web Projects: Database Developer, *NSF-PEET* project *Austral Staphylinidae* web site.

Bruce D. Patterson
Exhibit Development: Consultant on case modifications and taxidermy repair; Developer, *Impressions of Tsavo*; Content Specialist, *Jungles*.
Education Programs: Regularly consult with docents on Tsavo lions; Field Museum Members' Nights.
Public Presentations: Lecture, Chicago Travel Expo, Rosemont, IL; Lecture and book-signing, Bethel College, Mishawaka, IN; Lecture and book-signing, Kenosha Public Museum, Kenosha, WI.
Media development: Interview, *BBC Wildlife online*; Interview, *VegNews*; Interview, *Kenosha News*.
Web Projects: Content Specialist, *Field Museum: Expeditions*; Content Specialist, *Earthwatch.org: Expeditions, Bruce Patterson*.

Tours and Field Trips: Three Earthwatch teams to Tsavo, Kenya, containing 30 volunteers from 9 nations; "Around Africa" (by Private Jet) three week tour with 68 passengers going to ten African nations, through Field Museum Tours; Corporate and Foundation Donor Appreciation Night; Founders' Council dinners; Council on Africa events.

Martin D. Pryzdia
Education Programs: Field Museum Members' Nights; CRC opening event.

Alan Resetar
Exhibit Development: Hall of Reptiles rearrangement; *Evolving Planet*.
Education Programs: Field Museum Members' Nights; Chicago Audubon Society Frog Call Workshop, Valparaiso, IN; Association for the Wolf Lake Initiative - Wolf Lake Winter Wonderland Festival, Hammond, IN and Chicago, IL.

Mary Anne Rogers
Education Programs: Field Museum Members' Nights.
Tours and Field Trips: Classic Tanzania Safari.

Petra Sierwald
Education Programs: Field Museum Members' Nights; CRC opening event.
Public Presentations: Presenter, Insects, CRC opening event; Presenter, Field Museum Members' Nights; Presenter, Founders' Council Annual Dinner; Presenter, Field Museum Board Meeting.
Web Projects: Content Specialist, *Database, Spider Species of the Great Lakes States*.

William T. Stanley
Education Programs: Presenter, Women's Board; Field Museum Members' Nights.
Media Development: History of Taxidermy, *History Channel*; Newspaper interview, *Chicago Tribune*; Radio interview, *Eight Forty-Eight* (WBEZ); Magazine interview, *Business Week.*
Tours and Field Trips: Tour Leader, Tanzania Safari; Collection Accreditation tour of the University of Wisconsin Zoological Museum.
Web Projects: Developer, *Tanzania Mammal Key* web site.
Other: Various behind-the-scenes tours.

Kevin Swagel
Education Programs: Field Museum Members' Nights.
Other: Various behind-the-scenes tours.

Margaret K. Thayer
Exhibit Development: Content Specialist/Reviewer, Beetle Study Unit, Soil Adventure Mobile.
Education Programs: Field Museum Members' Nights; CRC opening event.
Media Development: Subject of scientist profile, *Chicago Reader*.
Web Projects: Main developer, *NSF-PEET Project: Austral Staphylinidae* web site; Author, several higher taxon pages of *Tree of Life* web site.
Other: Various behind-the-scenes tours; Research presentation, Field Museum Board of Trustees.

Janet R. Voight
Exhibit Development: Contributor, *Evolving Planet*; Contributor, repair of octopus model, *What is an Animal?* Discussant, Grainger Gallery exhibit.
Education Programs: Field Museum Members' Nights.
Public Presentations: Presenter, Loop Luncheon.
Media Development: Magazine interview, *Chicago Living*; Radio interview, *Our Ocean World*; Magazine interview, *Canadian Wildlife*.
Tours and Field Trips: Donor Appreciation Night.

Harold K. Voris
Education Programs: Field Museum Members' Nights.
Public Presentations: Presenter, Founders' Council Dinner.
Other: Various behind-the-scenes tours.

Stephanie Ware
Web Projects: Developer, *African Biodiversity Training Program* web site.

Mark W. Westneat
Education Programs: Field Museum Members' Nights.
Web Projects: Research web site; Content specialist, *Pritzker Lab* web site; Software development.
Media Development: Newspaper interview, *The Reader.*
Other: Various behind-the-scenes tours.

Jason D. Weckstein
Other: Various impromptu presentations about birds and their ectoparasites.

David Willard
Education Programs: Museology; Scientist in the Field; Science Partners; National Geographic Teacher Programs; Near-North Montessori School; Field Museum Members' Nights.
Public Presentations: Chicago Ornithological Society; Lake-Cook Audubon Society; DuPage Birding Club.

Philip Willink
Education Programs: Take Child to Work Day, Raina Payne, The Field Museum; The Field Museum Behind-The-Scenes.
Public Presentations: Great Lakes Exploration, The Field Museum; National Geographic Live for Teachers, The Field Museum.
Media Development: Television interviews, *Chicago Tonight, CBS 2*; Newspaper interview *Chicago Sun-Times*; Magazine interviews, *Smithsonian, Chicago Wilderness Magazine, Wisconsin Natural Resources Magazine, In The Field*; Website interview, *National Geographic*.
Other: Various behind-the-scenes tours.

HIGHER EDUCATION, 2005
(College/University Teaching, Graduate Advising, Internships, etc.)

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson
Graduate Students Advised: Nam C. Kim, University of Illinois at Chicago.
Other: DePaul University Chinatown Excavation Project.

Winifred Creamer
Graduate Students Advised: Jenn Howard, Ed Jakaitis, Kelly Krutz, Alvaro Ruiz, Northern Illinois University.
Courses: "Rise of Civilization," "Archaeological Theory," Northern Illinois University.
Invited/guest lectures: Guest Lecturer for art history course at Northern Illinois University.

L. Antonio Curet
Graduate Students Advised: Christopher Davis and Jason Laffoon, University of Illinois at Chicago.
Courses: "Special Topics in Anthropology: Caribbean Archaeology," University of Illinois at Chicago.
Invited/guest lectures: Guest Lecturer for archaeology class at University of Chicago.

Scott J. Demel
Invited/guest lectures: Guest lecturer for ASRI conference/Student Day.

Gary M. Feinman
Graduate Students Advised: Andrew Wyatt, University of Illinois at Chicago; Francisco Romano, Universidad Nacional Autónoma de México.
Undergraduate Interns: Brandon Keehner, Iowa State University; Andrea Frantz, Bloomsburg State University; Megan Vangstad, Washington State University.
Other: Member, Graduate Studies Committee, Anthropology, University of Illinois-Chicago.

Jonathan Haas
Graduate Students Advised: Sofia Chacaltana, Rebecca Osborn, Ken Batai, and Ruth Gomberg, University of Illinois at Chicago; Margaret Enrile, University of Illinois at Urbana; Nathan Craig, University of California at Santa Barbara; Keith Carlson, University of Arizona; Lori Jahnke, Tulane University; Alvaro Ruiz, Northern Illinois University; Mario Advincula, Felipe Libora, Gerbert Ascencios, Jesus Holguin, and Carmela Alarcon, San Marcos University, Lima, Peru; Miguel Aguilar, Universidad Ricardo Palma, Lima, Peru.
Undergraduate Interns: Kasia Szremski, University of Chicago; Lyra Haas, Illinois Math and Science Academy.
Invited/guest lectures: Guest Lecturer, University of Wisconsin, Madison.

Robert L. Hall
Graduate Students Advised: Mary Vermilion, University of Illinois at Chicago.

Chapurukha M. Kusimba
Graduate Students Advised: David K. Wright, University of Illinois at Chicago; Rahul Oka, University of Illinois at Chicago; Cyril Wilson, University of Illinois at Chicago; Melanie Zacher, University of Illinois at Chicago; Paul Wahiu, Moi University, Kenya; Sonia Kitzelerova, University of West Bohemia, Plzen, Czech Republic; Pavel Onderka, Charles University, Czech Republic; Amelia Hubbard, Ohio State University; Paul Wahiu, Northwestern University.
Undergraduate Interns: Monica Moran, University of Chicago, Melanie Zanoza, Northwestern University; Carla Klehm, Northwestern University; Daniel Melone, Chicago.

Robert D. Martin
Graduate Students Advised: Lara Modolo, University of Zürich, Switzerland;. Susan Longest, University of Chicago.
Courses: "Introduction to Biological Anthropology," University of Chicago.

Stephen E. Nash
Graduate Students Advised: Annette Gavigan, John F. Kennedy University.
Undergraduate Interns: Emily Olsen, University of Arizona; Katie Skorpinski, Michigan State University; Kelly Eldridge, Grinnell College; Matthew Rarey, University of Illinois at Urbana-Champaign; Bettina Johnson, University of Illinois at Chicago; Matt Saba, University of Chicago; Ashley Mehler-Clark, University of Chicago; Evan Hawkins, University of Minnesota – Morris; Laura Myford, Loyola University; Patricia Lord, Beloit College; Enoch Jennison, Kansas University; Jessica Martin, Marquette University; Ashton Spatz, University of Notre Dame; Kathy Lemberg, University of Chicago; Noelle Easterday, University of Notre Dame.
Invited/Guest Lectures: North Park University.

Linda M. Nicholas
Undergraduate Interns: Brandon Keehner, Iowa State University; Andrea Frantz, Bloomsburg State University; Megan Vangstad, Washington State University.

Ruth Norton
Courses: "Conservation of Ethnographic Collections" (six graduate seminars), State University of New York College at Buffalo.
Graduate Interns: Rebecca Cashman, SUNY Buffalo State; Kerith Koss, New York University; Anya McDavis-Conway, University of Delaware; Jackie Petkewicz, University of Illinois at Chicago; Dana Senge, SUNY Buffalo State.

John Edward Terrell
Courses: "Domestication and its consequences," Northwestern University.
Invited/guest lectures: International Biogeography Society, National Conservation Training Center, W.A.

Anne P. Underhill
Graduate Students Advised: Geoffrey Cunnar, Yale University; Debra Green, Lisa Nizolek, and Nam Kim, University of Illinois at Chicago; Lin Hu and Charles Hartley, University of Chicago.
Undergraduate Interns: Michelle Jones, University of Chicago; Jessie Powers, DePaul University.
Courses: "Museums and Anthropology," University of Illinois at Chicago (Graduate student seminar); "Western Approaches to the Analysis of Pottery," and "Museums in North America" (Graduate student seminars), Shandong University, Jinan, China.
Other: External examiner for dissertation, LaTrobe University, Department of Anthropology, Australia; Supervisor for University of Chicago graduate students working on Boone books (Wei Cheng-lin, Mika Endo, Sarah Allen).

Alaka Wali
Graduate Students Advised: Patricia Williams, University of Illinois at Chicago.
Undergraduate Interns: Yvonne Nieves, Northeastern University; Rebecca Puckett, University of Memphis; Elizabeth Rohrbach, Connecticut College; Kelsey Lutz, Lawrence University; Zephyr Johnson, Barnard College.
Invited/Guest lectures: Lecture for Northwestern University.

Patrick Ryan Williams
Graduate Students Advised: Sofia Chacaltana, University of Illinois at Chicago; Robin Coleman, Northwestern University; Kirk Costion, University of Pittsburgh; Chris Dayton, Boston University; Kenneth Sims, University of Michigan; Nicola Sharratt, University of Illinois at Chicago; Ben Vining, Boston University.
Courses: "Independent Study: Collections Research," and "Independent Study: Middle Horizon Pachacamac," Northwestern University.

DEPARTMENT OF BOTANY

Eve Emshwiller
Courses: "Contemporary Ethnobotany: Plants and Cultures," undergraduate course, Associated Colleges of the Chicago Area (ACCA), Morton Arboretum.
Undergraduate Interns: Victoria Church, University of Illinois, Chicago, IL.

John Engel
Graduate Students Advised: David Meagher, Melbourne, Australia.

Sabine M. Huhndorf
Postdoctoral Associates: Andrew Miller.
Graduate Students Advised: George Mugambi, University of Illinois at Chicago; Lymari Ruiz-Sanchez, University of Illinois at Chicago.

Patrick R. Leacock
Undergraduate Interns: Wyatt Gaswick, University of Illinois at Chicago; Peter Watson, University of Chicago; Gwendolyn Williams, University of Chicago.

Robert Lücking
Graduate Students Advised: Lidia Itati Ferraro, Instituto de Botánica del Nordeste, Argentina; Rosa-Emilia Pérez-Pérez, Universidad Autónoma del Estado de Morelos, Mexico; Alejandrina Bárcenas Peña, Universidad Nacional Autónoma de Mexico; Paola Martínez Colín, Universidad Nacional Autónoma de Mexico; Daniela Lizano, Universidad de Costa Rica; Gavriele Murillo, Universidad Nacional, Costa Rica.
Courses: "Mycology," graduate level course, University of Chicago and University of Illinois at Chicago; "Lichenology," graduate level course, Universidad Peruana Cayetano Heredia, Lima, Peru; "Taxonomy of Tropical Lichens," graduate level course, Universidade Federal de Paraná, Curitiba, Brazil.

Thorsten Lumbsch
Postdoctoral Associates: Ruth del Prado, Imke Schmitt.
Graduate Students Advised: Armin Mangold, Universität Duisburg-Essen; Nora Wirtz, Universität Duisburg-Essen.
Undergraduate Interns: Birthe Bongartz, Ruhr- Universität Bochum; Stefanie Kautz, Universität Duisburg-Essen.
Courses: "Evolution," University of Illinois at Chicago.

Gregory M. Mueller
Postdoctoral Associates: Patrick Leacock, Peter Avis, Kentaro Hosaka.
Graduate Students Advised: Kelly Gravier, University of Chicago; Matthew Kierle, University of Chicago; Sara Branco, University of Chicago, Michael Fitzsimons, University of Chicago.
Visiting Scientists Advised: Professor Dr. Amin Uddin Mridha, Chairman, Mycorrhiza Research Group of Bangladesh, Department of Botany, University of Chittagong, Bangledesh.
Courses: "Mutualism and Symbiosis," undergraduate level course, University of Chicago; Lecture in "Scientific Integrity and Ethical Conduct of Research", graduate level course, University of Chicago; "NSF Fellowship Application," graduate level course, University of Chicago; Lecture to "Introduction to Research," graduate level course, University of Illinois, Chicago.
Invited/Guest Lectures: University of Chicago; University of Costa Rica, Costa Rica.

Rick Ree
Postdoctoral Associates: Norbert Cordiero (Boyd Postdoctoral Fellow).
Visiting Scientists Advised: Ying-Wei Wang, Chinese Academy of Sciences.

DEPARTMENT OF GEOLOGY

Lisa Bergwall
Courses: Fieldwork TA for Lance Grande's "Stones and Bones," course, University of Chicago.

John R. Bolt
Postdoctoral Scientist: Marcello Ruta.
Graduate Student Advised: Daniel Snyder, University of Iowa.

Marlene Hill Donnelly
Courses: "Botanical Illustration I," Morton Arboretum (Certificate course); "Botanical Drawing and Painting," Chicago Botanic Garden; "Field Sketching," Chicago Botanic Garden

Ian Glasspool
Lecture/laboratory classes: University of Chicago.

Lance Grande
Postdoctoral Associate: Eric Hilton.
Courses: "Stones and Bones" (undergraduate level), University of Chicago.
Other: Met with prospective University of Chicago CEB students; Coordinator for joint FM/University of Illinois at Chicago Anthropology Department fundraising efforts.

Eric Hilton
Graduate Student Committee: Amanda Fabiano (Loyola University, Chicago).
Undergraduate student training: Andrew Williston (Univeristy of Massachusetts, Amherst; Honor's Thesis committee member); Andrew Whynot (Univeristy of Massachusetts, Amherst; Honor's Thesis committee member).

Philip E. Janney
Co-supervised laboratory research of Liping Qin and David Cook (University of Chicago graduate students).

Peter J. Makovicky
Courses taught: "Evolution of Terrestrial Ecosystems" graduate class, University of Chicago; "Introduction to Research at The Field Museum" graduate class, University of Chicago.
Graduate Students Advised: Rudyard Sadleir, Nate Smith, Brandon Kilbourne (all University of Chicago).
Undergraduate Interns: Brandon Kilbourne, Louisiana State University; Holly Berg, University of Iowa.

Jenny McElwain
Graduate Students Advised: Surangi Punyasena, David Sunderlin, Leila Zajak (all University of Chicago); Matthew Haworth (University of Oxford).
Undergraduate Students Advised: Madeleine McLeester, Hannah Park, Shannon Loomis (all University of Chicago).

Olivier Rieppel
Graduate Students Advised: Li Chun, Institute of Vertebrate Paleontology and Paleoanthropology, Beijing; Annat Haber, University of Chicago; Jack Conrad, University of Chicago; Paul Brinkman, University of Minnesota; Robert Hill, CUNY Stony Brook; Liu Jun, Columbia University.
Courses: "Evolutionary Morphology of Vertebrates," for undergraduates, Northwestern University; "The Concept of Homology," for graduate students, University of Chicago.

Meenakshi Wadhwa
Postdoctoral Scientists: Eta Mullane.
Graduate students Advised: David Cook, University of Chicago; Liping Qin, University of Chicago.
Undergraduate Intern: Lev Spivak-Birndorf, University of Chicago.

Peter J. Wagner
Graduate Students, Dissertation Committees: John Finarelli (Chair), Annat Haber (Co-Chair); Matthew Friedmann, Bjarte Hannisdal, Paul Harnik, Kim Koverman, Lee Hsiang Liow, Tom Rothfus, Carl Simpson;
Courses: Reading & Research.

DEPARTMENT OF ZOOLOGY

John M. Bates
Postdoctoral Associates: Steffen Pauls, Jason Weckstein.
Graduate Students Advised: Ana Carnaval, Dan Davison, Lucinda Lawson, Trina Roberts, Sarah Weyandt, University of Chicago; Isabel Caballero, Joseph Oyugi, University of Illinois at Chicago; Michael Huhndorf, Illinois State University, Normal; Marcos Maldanado, University of Missouri, St. Louis; Wilsea Figueiredo, Universidade do Pará, Belém, Brazil; Charles Kahindo, Kizungu Byamana, Mathias Behangana, Makerere University, Uganda.
Courses: "Population Genetics and Systematics Reading Group," The Field Museum; "Independent reading course," University of Chicago.

Rüdiger Bieler
Postdoctoral Associates: John Healy, University of Queensland.
Graduate Students Advised: Isabella Kappner, John Wilk, University of Illinois at Chicago; Rebecca Rundell, University of Chicago, Committee on Evolutionary Biology; Nicholas Johnson, University of Chicago; Ilya Tëmkin, New York University.

Jochen Gerber
Undergraduate Interns: Gregory Underwood, University of Virginia.

Thomas Gnoske
Invited/Guest Lectures: Invited Lecturer, Specimen Preparation Workshop, Percy Fitzpatrick Institute, Cape Town, South Africa.

Steven M. Goodman
Graduate Students Advised: Patricia Maminirina, Marie Jeanne Raharilalao, Martin Raheriarisena, Domoina Rakotomalala, Zafimahery Rakotomalala, Hery Rakotondravony, Julie Ranivo, Fanja Ratrimomanarivo, Voahangy Soarimalala, and an additonal six D.E.A. students, Université d'Antananarivo, Madagascar; Karen Samonds, State University of New York at Stony Brook.
Courses: "Biogéographie de Madagascar" and "Mammifères de Madagascar – Origine et Phylogénie," Université d'Antananarivo, Madagascar.
Other: Named McArthur Fellow, John D. and Catherine T. McArthur Foundation; Diploma received, Habilitation à diriger les recherches (HDR), Université de Paris, "Evolution du Programme de Recherche et de Formation à Madagascar."

Shannon J. Hackett
Postdoctoral Associates: John Harshman, Sushma Reddy.
Graduate Students Advised: Melissa Burns, University of Illinois at Chicago; Daniel Cadena, University of Missouri, St. Louis; Zac Cheviron, Louisiana State University; Dan Davison, Matt Keirle, Lucinda Lawson, Nitzan Mekel, Trina Roberts, Rebecca Rundell, Brian Sidlauskas, University of Chicago.
High School Interns: Rachel Flynn, New Trier High School.
Courses: "Population Genetics and Systematics Reading Group," The Field Museum.

Lawrence R. Heaney
Graduate Students Advised: Joshua Miller, Trina Roberts, Rebecca Rowe, Rebecca Terry, University of Chicago.
Traveling Scholars Advised: Danilo S. Balete, Liza Duya, Mariano Duya, The Philippines; Maria Josefa Veluz, The Philippine National Museum; Jake Esselstyn, University of Kansas; Kathleen Muldoon, Washington University.
Invited/Guest Lectures: Guest lecturer, "Systematics," University of Chicago.

Robert F. Inger
Graduate Students Advised: Bryan Stuart, University of Illinois, Chicago; Jennifer Sheridan, University of California, San Diego; Anna Wong, Universiti Kebangsaan Malaysia.

Maureen Kearney
Postdoctoral Associates: Takanobu Tsuijihi.
Graduate Students Advised: Adam Franssen, Courtney Babbitt, Jack Conrad, Rebecca Shearman, Tristan Stayton, University of Chicago; Paul Velazco, University of Illinois at Chicago.
Undergraduate Interns: Beth Bastiaans, University of Chicago.
Trainees: Luke Mahler, Angela Marion.
Courses: "Biological Systematics," University of Chicago; "Squamate Reptile Evolution and Diversification" readings course, University of Chicago.

Julian C. Kerbis Peterhans
Graduate Students Advised: Mike Huhndorf, Illinois State University; Luca Borghesio, University of Illinois at Chicago.
High School Interns: Mac McNulty, The Latin School; Cate Berger, Dan Ioppolo, St Ignatius College Preparatory School.
Courses: "Seminar in Natural Science," (undergraduate course) University College, Roosevelt University; "Critical Thinking and Reasoning," (undergraduate course) University College, Roosevelt University.
Invited/Guest Lectures: Morning Exercise, Francis W. Parker School.
Other: Roosevelt University Information Sessions, Roosevelt University Open House.

James B. Ladonski
Invited/Guest Lectures: Department of Biology Colloquium Series, Valparaiso University.

Alfred F. Newton
Postdoctoral Associates: Alexey Yu. Solodovnikov.
Graduate Students Advised: David J. Clarke, University of Illinois at Chicago; José Luis Navarrete-Heredia, Universidad Nacional Autónoma de México.

Bruce D. Patterson
Graduate Students Advised: Sarah Weyandt, University of Chicago; Mohammad Abu Baker, Maria Luisa Jorge, Paul Velazco, University of Illinois at Chicago; Patty Ruback, Northern Illinois University; Carl Dick, Texas Tech University.
Trainees: Alex Mwazo Gombe, Tsavo Research Centre, Voi, Kenya; Simon Wanjohi, Taita Discovery Centre, Maungu, Kenya; Alba Morales Jiménez, Marcela Gomez Laverde, Bogotá, Colombia.
Courses: "Readings in Neotropical Zoogeography," University of Chicago; "Independent Studies," Northern Illinois University; "Dissertation Research," University of Illinois at Chicago; Seminar for Department of Biological Sciences, Texas Tech University; Seminar for Department of Biology, Loyola University.
Invited/Guest Lectures: Lecturer, Chicago Travel Expo, Rosemont, IL; Lecturer, Taita Discovery Centre, Maungu, Kenya; Lecturer, Kenya Wildlife Service, Nairobi, Kenya; Lecturer and book-signing, Bethel College, Mishawaka, IN; Lecturer, Founders' Council, Field Museum, Chicago, IL; Lecturer, HSBC World Match Play, Earthwatch Institute, Far Hills, NJ; Lecturer, International Studies Program, Kent State University, Taita Discovery Centre, Maungu, Kenya; "Around Africa" (by private jet), Madeira, Portugal; Lecturer, Ngorongoro, Tanzania and Marrakesh, Morocco (3 lectures); Lecturer, Committee on Evolutionary Biology, University of Chicago; Lecturer, Kenosha Public Museum, Kenosha, WI.

Petra Sierwald
Invited/Guest Lectures: "Research at The Field Museum," (graduate course) University of Chicago.

William T. Stanley
Undergraduate Interns: Alexandra Cruz, Kimberly Knudten, Sara Delashmutt.

Margaret K. Thayer
Postdoctoral Associates: Alexey Yu. Solodovnikov, Norbert J. Cordeiro.
Graduate Students Advised: David J. Clarke, University of Illinois at Chicago; José Luis Navarrete-Heredia, Universidad Nacional Autónoma de México.
Undergraduate Interns: Michael Zubik, Dominican University; Kristen Babcock, Pennsylvania State University; Anna Goldman, College of the Atlantic.

Janet R. Voight
Postdoctoral Associates: K. Larsen.
Undergraduate Interns: Scott Fecho, University of Illinois at Chicago.

Harold K. Voris
Graduate Students Advised: Bryan Stuart, University of Illinois at Chicago; Jennifer Sheridan, University of California, San Diego; Sansareya Wangkulangkul, Chulalongkorn University, Thailand; Anchalee Aowphol, Chulalongkorn Universtiy, Thailand.
Undergraduate Interns: Heather Andrews, Liz Phipps, Hanover College.
Invited/Guest Lectures: Invited presentation, "Graduate Seminar Series," Department of Biological Sciences, Chulalongkorn University, Bangkok, Thailand.

Jason D. Weckstein
Trainees: José Salvatoré Leister Patané, University of São Paulo, Brazil.

Mark W. Westneat
Postdoctoral Associates: Justin Grubich, Jake Socha.
Graduate Students Advised: Jim Cooper, Aaron Rice, Tristan Stayton, Brian Sidlauskas, Christian Kammerer, Dean Thorsen, Phil Anderson, University of Chicago; Jennifer Fessler, University of Illinois at Chicago.
Undergraduate Interns: James Waters, Jay Bauman, Alta Buden, University of Chicago; Annie Burke, Northwestern University.
Courses: "Comparative Anatomy of the Vertebrates," (undergraduate/graduate course), University of Chicago.
Invited/Guest Lectures: "Research at The Field Museum," (graduate course) University of Chicago.

David Willard
Invited/Guest Lectures: Danville Community College; Art Institute.

Philip Willink
Undergraduate Interns: Jason Blum, Southern Illinois University, Carbondale; Victor Hugo Garcia Cabrera, Hailin Calderon Vaca, Universidad Amazonica de Pando, Cobija, Bolivia.

TRAINING PROGRAMS, 2005

Each year members of The Field Museum's scientific staff contribute to 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 meet a variety of needs—from encouraging young students to consider careers in the sciences, to training scientists from other countries in research techniques that enable them to tackle environmental conservation issues at home. From suburban high school interns to NGO scientists, from Chicago neighborhoods to the tropics, Field Museum scientists lend their expertise to train future generations of biologists and anthropologists. The following is an overview of the diverse array of training programs to which Field Museum scientists contribute.

UNDERGRADUATE INTERNSHIPS

Field Museum Scholarship Committee Internships. Each year The Field Museum supports three-month internships for undergraduate students and recent graduates to work directly with scientists at The Field Museum on collections-based research projects. For summer 2005, seven students, from the University of Iowa (Iowa City), Amazonian University of Pando (Bolivia), University of Duisburg-Essen (Germany), Iowa State University (Ames), Louisiana State University (Baton Rouge), and Illinois Wesleyan University (Bloomington), worked on projects in Anthropology (researching the Pacific collections from Micronesia, organizing and re-housing them), Botany (plants and fungi, ecology; fieldwork and data analysis), Geology (fossil vertebrates and paleoecology; biomechanics of tyrannosaurid dinosaurs) and Zoology (fishes, conservation, and ecology).

Prince Internship. This program, funded by the Prince Charitable Trust, provides support to recruit and train women and minority interns at the secondary and college levels. In 2005, Erin Will of Grinnell College assisted the Anthropology Registrar with data entry and provenance research pertaining to the NEH-funded "Save America's Treasures" project to conserve material in the North American ethnographic and archaeological collections. Hannah Park of the University of Chicago assisted Geology Curator Jennifer McElwain in her project on paleoelevation and ancient climate change.

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 research Anthropology collections from Japan, Korea, China, and elsewhere in the eastern part of Asia. Boone Scholars engage in a wide variety of tasks, ranging from individual research to assisting collections management teams in maintaining the collection. There were two Boone interns for 2005: Michelle Jones (University of Chicago) created a finding aid on 19th century prints by the artist Hiroshige, and Jessie Powers (DePaul) began editing and updating a 1923 *Fieldiana* on Japanese sword-mounts for republication.

Anthropology Alliance Interns. This five-year old program, initiated by the "Anthropology Alliance," the Anthropology Department's auxiliary "friends" group, 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 field work. In 2005 two Anthropology Alliance interns worked on the Kish Collection, a historic collection of some 32,000 objects, most dating to Early Dynastic Mesopotamia (3000 BC), excavated between 1923 and 1933. Five other interns worked in archeological or ethnographic fieldwork in Mexico, Puerto Rico, Peru, Kenya and the U.S.

GRADUATE PROGRAMS

University of Chicago – Committee on Evolutionary Biology (CEB). This doctoral-degree granting program within the division of Biological Sciences at the University of Chicago is a collaboration among the University, The Field Museum, Brookfield Zoo, Lincoln Park Zoo, and Argonne National Laboratory. Its faculty has been training doctoral students for research and teaching careers in evolutionary biology for almost 40 years. Twenty-two Field Museum scientists are actively involved in the CEB graduate training program, comprising more than a third of its faculty. Greg Mueller, Curator of Mycology at the Field, has served as Associate Chair of the CEB since 2004. Currently, 16 of CEB's 27 students are conducting Field Museum-based projects. Ana Carnaval, a Brazilian herpetologist who graduated with her CEB doctorate in June, 2005, received the "Divisional Research Award for best dissertation in the Biological Sciences Division."

University of Illinois at Chicago/Field Museum Joint Degree Program in Anthropology. This program was established in 1995 in order to strengthen anthropology course offerings at UIC and enable the university to grant the PhD in Anthropology, and to facilitate access by UIC faculty and students to Field Museum collections. All of The Field Museum's anthropology curators have adjunct professor status at UIC, and interested anthropologists at the University have adjunct curator status at the Field Museum. Faculty at both institutions serve jointly on admissions committees for students and on search and promotion committees for teaching and curatorial staff. Field Museum Curators teach on a regular basis at UIC, and UIC graduate students actively conduct research in Anthropology collections and labs. There are currently 47 students on the PhD track in the program.

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 University. Eight Field Museum anthropology curators have adjunct professor status at Northwestern, and engaging in regular teaching duties that are part of the Northwestern University course offerings, and select NU anthropologists have adjunct curator status at the Field. Two Northwestern students are currently conducting graduate research with Field Museum curators.

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, Morton Arboretum and other area institutions. The collaboration grew out of joint interest in training international colleagues, and collaborating institutions have hosted three sponsored programs, sponsored by the John D. & Catherine T. MacArthur Foundation, for training in tropical conservation, as well as several NSF-funded programs in Botany and Zoology. In 2005, 13 students from 9 countries (and Puerto Rico), based in the Museum's Departments of Zoology and Botany, were pursuing their graduate studies under this program. Curators Bruce Patterson (Zoology) and Scott Lidgard (Geology) serve as institutional liaisons.

Resident Graduate Students. Field Museum scientists lend their expertise to both undergraduate and graduate instruction at universities in the Chicago area and around the world. As the Higher Education section demonstrates, university teaching is central to the activity of Field Museum curators, as is graduate student advising and dissertation supervision. Among the graduate students mentored and advised by Field Museum curators is a core group of graduate students whose work is squarely based in The Field Museum's collections and labs. During the past year The Field Museum provided training in collections-based research to 66 resident graduate students, from the University of Chicago, the University of Illinois at Chicago, Northwestern University, Loyola University, DePaul University, and Southern Illinois University, as well as the University of Utah, Ohio State University, the Instituto de EcologÌa, Zalapa in Veracruz, Mèxico, Moi University in Kenya, Charles University in the Czech Republic, and the University of Essen, Germany.

PROFESSIONAL AND FIELD-BASED TRAINING

Stones and Bones: A Course in Paleontological Research Methods and Field Work. For the past two summers Vice President and Curator Lance Grande 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. The course begins at The Field Museum, where the students spend a week learning about fossil collections and the type of research conducted here, followed by two weeks of hands-on paleontological field work in the mountain desert near Kemmerer, Wyoming, one of the world's most spectacular fossil sites. In their final week, back at The Field Museum, students focus on preparation, study and analysis of the collected material and incorporation of the specimens into the permanent Museum collection.

Ecology Training Program/Université d'Antananarivo. The Field Museum and World Wildlife Fund (WWF) Madagascar are joint collaborators in a training program that provides field and classroom training in the biological sciences for Malagasy graduate students through a program of field research in Madagascar, seminars and courses at the Université d'Antananarivo, and collections work at the Museum. This project, which started in 1993, has resulted in over 50 Malagasy students earning higher degrees within the national university system in the fields of zoology and conservation biology. These graduates are obtaining important posts in the non-government and government sectors on Madagascar and are rapidly advancing conservation programs on the island. In addition, more than 250 Malagasy students have taken part in field trips and field schools, and the program has yielded more than 350 scientific publications. Considerable effort has also been devoted to building the collections at the Université d'Antananarivo 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, awards 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 four PEET grants underway in 2005:

- Margaret Thayer (Zoology): "Monography, Phylogeny, and Historical Biogeography of Austral Staphylinidae (Coleoptera)."
- Sabine Huhndorf (Botany): "Monographs of Two Key Genera and Family-Level Phylogeny (Fungi, Ascomycetes, Sordariales)." (This is the second PEET grant held by this investigator.)
- Rüdiger Bieler (Zoology): "Bivalves: Research, Training, Electronic Dissemination of Data."
- Petra Sierwald (Zoology): "The Diplopoda: Research, Taxonomic Training and Computerization."

Training Programs for Central American Mycology Students and Young Professionals. Robert Lücking, Collections Manager and Adjunct Curator held a lichen workshop in Lima, Peru (Universidad Peruana Cayetano Heredia) in January 2005 and laid the groundwork for an extended lichen and biostatistics course to be held there in 2006. During the 7th meeting of the Grupo Latinoamericano de Liquenologos (GLAL) in Curitiba, Brazil, in November 2005, he organized a tropical lichen workshop attended by the student participants of that meeting. Lücking and Curator Greg Mueller also worked closely with the mycology curators, technicians, and parataxonomists at INBio (National Biodiversity Institute) during two research and training visits to Costa Rica.

Biodiversity capacity-building in the Democratic Republic of Congo and Uganda. 2005 marked the fifth year of the John D. & Catherine T. MacArthur Foundation-sponsored training program in the eastern Democratic Republic of Congo. Led by Zoology Department Chairman John Bates (Zoology/Birds) the "Programme Biodiversité des Ecosystémes Aquatiques et Terrestres dans le Rift Albertin" (PBEATRA) is

a collaboration for capacity-building between The Field Museum and three Congolese institutions: the Centre de Recherche en Sciences Naturelles (CRSN) in Lwiro, the Centre de Recherche Hydrobiologique (CRH, Uvira), and the Institut Congolais pour la Conservacion de la Nature (ICCN). In 2005, teams conducted studies of birds, small mammals, aquatic insects, and plants. Over a four-week period, this team surveyed three montane forest sites in Kahuzi-Biega National Park, a World Heritage Site administered by ICCN. Participating Field Museum staff included Bates (Birds), Adjunct Curator Julian Kerbis (Mammals) and Post-doctoral Fellow Steffen Pauls (Insects). A second team studied fish and water chemistry on Lake Tanganyika near the CRH station. Since 2000 in Uganda, MacArthur Foundation funding also has supported Masters and/or Ph.D. work of ten African students studying Albertine Rift Biodiversity at Makerere University (Kampala). In August, Bates participated in the final examination of one of these students, Congolese colleague Charles Kahindo, who successfully defended his dissertation on genetic structure in groups of Albertine Rift birds, becoming only the second Ph.D. ornithologist from his country.

Specimen preparation training in South Africa. Assistant Collection Manager Tom Gnoske (Zoology/Birds) conducted a workshop on avian specimen preparation for students and staff at the University of Capetown in November. Organized by former Field Museum post-doctoral fellow Rauri Bowie (now a professor at the University of Stellenbosch), the sessions taught participants how to maximize data-gathering while preparing the best possible scientific specimens.

Philippines biodiversity and conservation. Curator Larry Heaney (Zoology/Mammals) has been working for more than two decades on documentation and conservation of vertebrate biodiversity in the Philippines, and training has been a prominent component of this project. The Philippines is now considered to have perhaps the highest concentration of unique biodiversity of any country, but is also listed as one of the most severely threatened. With past funding from the Museum, the National Science Foundation, and the John D. & Catherine T. MacArthur Foundation, Heaney has trained more than 50 young Filipino university biologists, park managers, and government officials in techniques for field biodiversity assessment, protected area and wildlife management, analysis of conservation priorities, and faunistics. In 2005, he instructed one graduate student from the University of the Philippines and two young biologists from Conservation International-Philippines on methods of mammalian surveys, field identification, and biodiversity conservation for three weeks on Mt. Natib, Bataan National Park, Luzon, Philippines. One junior researcher from the Philippine National Museum and the two young biologists from CI-Philippines came to the Field Museum for a month of advanced training in assessment of mammalian diversity for conservation science.

Mammalian Biodiversity in Utah. Larry Heaney continued his training of graduate and undergraduate students through a “classroom-in-the-field” program in the La Sal Mountains of southern Utah in 2005. Four graduate students from the University of Chicago were trained in field preparation techniques, field identification of small mammals, and methods for the assessment and analysis of mammalian diversity along elevational gradients.

ACADEMIC AFFAIRS INTERNS, 2005

HIGH SCHOOL INTERNS

Department of Geology
Yevgeniya Andriyevskaya, New Trier High School.

Department of Zoology
Cate Berger, St. Ignatius High School; Mac McNulty, Latin School; Rachael Flynn, New Trier High School; Adrian Harris, Hammond High School; Dan Ioppolo, St. Ignatius High School, Louis Salas, Walter Payton High School.

UNDERGRADUATE STUDENT INTERNS

Department of Anthropology
Karolina Chmiel, Loyola University; Noelle Easterday, University of Notre Dame; Kelly Eldridge, Grinnell College; Andrea Frantz, Bloomsburg State University; David Godow, Miami University; Evan Hawkins, University of Minnesota-Morris; Katie Huntley, University of North Carolina; Enoch Jennison, Kansas University; Bettina Johnson, University of Illinois at Chicago; Michelle Lee Jones, University of Chicago; Alexis Jordan, Brandon Keehner, Iowa State University; Loyola University; Kathy Lemberg, University of Chicago; Patricia Lord, Beloit College; Jessica Martin, Marquette University; Ashley Mehler-Clark, University of Chicago; Daki Moore, Cornell College; Laura Myford, Loyola University; Emily Olson, University of Arizona; Lindsey Palaima, Lake Forest College; Jessie Powers, DePaul University; Matthew Rarey, University of Illinois at Urbana-Champagne; Sara Reynolds, Cornell College; Matthew Saba, University of Chicago; Renee Schergen, North Central College; Katie Skorpinski, Michigan State; Ashton Spatz, University of Notre Dame; Kasia Szremski, University of Illinois at Chicago; Megan Vangstad, Washington State University; Erin Will, Grinnell College.

Department of Botany
Birthe Bongartz, Ruhr- Universität Bochum, Germany; Victoria Church, University of Illinois at Chicago, Chicago, IL; Daniel Duron, Northside College Prep, Chicago, IL; Wyatt Gaswick, University of Illinois, Chicago, IL; Stefanie Kautz, University of Duisburg, Essen, Germany; Claire Keene, Iowa State, IA; Peter Watson, University of Chicago, Chicago, IL; Gwendolyn Williams, University of Chicago, Chicago, IL.

Department of Geology
Holly Berg, University of Iowa, Iowa City, IA; Shannon Loomis, Madeleine McLeester, Hannah Park, Lev Spivak-Birndorf, University of Chicago; Kyle Iverson, DePaul University; Brandon Kilbourne, Louisiana State University.

Department of Zoology
Heather Andrews, Hanover College; Kristen Babcock, Penn State University; Jay Bauman, University of Chicago; Jason Blum, Southern Illinois University; Anne Brock, Northwestern University; Fredell Campbell, Governors State University; Scott Fecho, University of Illinois at Chicago; Anna Goldman, College of the Atlantic; Rebecca Kramer, University of Chicago; Grace Krauss, University of Chicago; Kevin Miklasz, University of Chicago; Elizabeth Phipps, Hanover College; Gregory Underwood, University of Virginia; Judith Wan, University of Michigan; James Waters, University of Chicago; Michael Zubik, Dominican University.

GRADUATE STUDENT INTERNS

Department of Anthropology
Rebecca Cashman, Buffalo State College; Carolin Kauten, John F. Kennedy University; Kerith Koss, New York University; Anya McDavis-Conway, University of Deleware; Brandon Olson, University of Washington; Jackie Petkewicz, University of Illinois at Chicago; Dana Senge, Buffalo State College; Nicola Sharratt, University of Illinois at Chicago.

RESIDENT GRADUATE STUDENTS, 2005

DEPARTMENT OF ANTHROPOLOGY

University of Illinois at Chicago
Sofia Chacaltana, Mark Golitko, Rahul Oka, Rebecca Osborn, Russ Quick, Nicola Sharratt, Joe Szymczak

Northwestern University
Robin Coleman

Southern Illinois University Carbondale
David Goldstein

Moi University, Kenya
Paul Wahiu

DEPARTMENT OF BOTANY

University of Chicago
Sara Branco, Michael Fitzsimons, Kelly Gravier, Matthew Kierle

University of Essen, Germany
Armin Mangold, Nora Wirtz

University of Illinois at Chicago
Amanda Koch, Amy Libman, Tatiana Lobo, Joanna Michael, George Mugambe, Huu Nguyen, Lymari Ruiz-Sanchez, Malini Siram, Donna Webster

University of Michigan
Yi Cui

DEPARTMENT OF GEOLOGY

University of Chicago
Jack Conrad, David Cook, John Finarelli, Anjali Goswami, Christian Kammerer, Brandon Kilbourne, Virginia Miller, Surangi Punyasena, Liping Qin, Rudyard Sadleir, Nate Smith

Northwestern University
Richard Barclay

DEPARTMENT OF ZOOLOGY

Instituto de Ecología, Zalapa, Veracruz, México
Julian Bueno Villegas

Loyola University
Janelle Morano

University of Chicago
Ana Carnaval, James Cooper, Dan Davison, Nicholas Johnson, Christian Kammerer, Lucinda Lawson, Aaron Rice, Trina Roberts, Becca Rowe, Melissah Rowe, Rebecca Rundell, Brian Sidlauskas, Charles Stayton, Dean Thorsen, Sarah Weyandt

University of Illinois at Chicago
Luca Borghesio, Isabel Caballero, David J. Clarke, Norbert Cordeiro, Terrence Demos, Jennifer Fessler, Malu Jorge, Isabella Kappner, Bryan Stuart, Paul Velazco, John Wilk

ACADEMIC AFFAIRS VOLUNTEERS, 2005

DEPARTMENT OF ANTHROPOLOGY

Jenna Beletic, Janice Bell, Charles Brockmann, Anjaneen Campbell, Karolina Chmiel, Robin Coleman (South American Archaeology), Joan Connor, Connie Crane, Emily Delogu (Mesoamerican Archaeology), Meredith Durkin, Michael Ferraro, Andrea Frantz (Mesoamerican Archaeology), Linna Gao, Peter Gayford (Archaeology), William Goldman, Lisa Goodwin (Registration), Warren Haskin (History of the Department of Anthropology) Francis Heller, Dale Hillerman, Belen Jaquez (Southwestern Archaeology), Brandon Keehner (Mesoamerican Archaeology), Sara Kelty, Jennifer Kledis, Grace Krause, Devon Krizan, Andrew Leith, Leonore Levit (Asian Ethnology and Archaeology), Renee Logan, Diane Luhmann (Registration), Jack MacDonald (Registration), Barbara Majerczyk (New Guinea Research Program), Alexandra Martin (Biological Anthropology), Robert McFarland (Circum-Caribbean Archaeology), Eva Mannaberg (Registration), Dan Maratto, Michael Martinez Mann (CRC Historical Archaeology), Josephine Meleico, Dan Melone, Carolyn Moore (Asian Anthropology), Merry Mule, Ellis Murphy (Mesoamerican Anthropology), Katie Nash (Collections), Laura Neufeld, Nisa Nosek, Heather O'Leary, Christina Pak, Dorothea Phipps-Cruz (Registration), Bryan Preston, Mary Prindville (Registration), Kathleen Ratteree, Kathryn Ryberg, Anastasia Schaefer, Esther Schecter (Oceanic Archaeozoology and Ethnology), Barbara Schwartz, Tamara Siuda (CRC Historic Archaeology), John Shea, Beth Spencer (Chinese and Mesoamerican Archaeology), Lisa Stringer (African Ethnology and Archaeology), Ika Tomaschewsky (Southwestern Archaeology), His-tsin Tsiang (Asian Archaeology), Megan Vangstad (Mesoamerican Archaeology), Mary Vermillion (North American Archaeology), Jean Vondriska (Asian Ethnology and Archaeology), Katelyn Warden (Chinese and Mesoamerican Archaeology), Edward Yastrow (Prehistoric Archaeology), Melanie Zanoza, Kevin Zhou (Asian Archaeology)

DEPARTMENT OF BOTANY

Wendy Biggs (V-plants), Barbara Bouton (Bryology), Elizabeth DiGiovine (Bryology), Karen Engel (Bryology), Mary Feay (Mycology), Shana Gallant (Bryology), Garen Gaston (Lichenology), Anders Hagborg (Bryology), Richard Hyerczyk (Lichenology), Nancy Klaud (Scientific Illustration/Vascular Plants), Alice Piller (Mycology), Richard Sabel (Mycology), Raphael Stern (Lichenology), Alisha Towner (Bryology), Dirk Witzke (Lichenology).

DEPARTMENT OF GEOLOGY

Melanie Austin (Vertebrate Paleontology), Kelly Benjamin (Vertebrate Paleontology), Gareth Blakesley (Vertebrate Paleontology), Irene Broede (Vertebrate Paleontology), Julie Calcagno (Vertebrate Paleontology), Mary Sue Coates (Physical Geology), Larry Coronelli (Paleobotany), David Dolak (Invertebrate Paleontology), Mike Eklund (Vertebrate Paleontology), Jim Fairchild (Invertebrate Paleontology), Erin Fitzgerald (Vertebrate Paleontology), Dario Giacomoni (Paleobotany), Tom Kerstann (Vertebrate Paleontology), Dennis Kinzig (Vertebrate Paleontology), Joanne Kluga (Vertebrate Paleontology), Pamela Knight (Vertebrate Paleontology), Megan Kondal (Vertebrate Paleontology), Matthew Konfirst (Vertebrate Paleontology), Stephanie Lukowski (Vertebrate Paleontology), Kendra Massey (Vertebrate Paleontology), John McConnell (Invertebrate Paleontology), Nancy Miller (Paleobotany), Brian Morrill (Vertebrate Paleontology), Nicole Mulcahy (Vertebrate Paleontology), Karen Nordquist (Vertebrate Paleontology), Lillian Parker (Vertebrate Paleontology), Ken Peters (Paleobotany), Gregg Robinson (Fossil Invertebrates, Paleobotany), Paul Satterthwaite (Invertebrate Paleontology), Hedy Turnbull (Vertebrate Paleontology), Mary Valsa (Vertebrate Paleontology) Warren Valsa (Vertebrate Paleontology), Karen Vendl (Physical Geology), Mark Vendl (Physical Geology), Jack Wittry (Paleobotany, Invertebrate Paleontology), George Wolnak (Vertebrate Paleontology), Marie Worley (Vertebrate Paleontology), Elizabeth Wu (Paleobotany), Erica Zahnle (Paleobotany), Steven Zitowsky (Vertebrate Paleontology).

DEPARTMENT OF ZOOLOGY

Dan Barton (Birds), Nicholas Beecher (Mammals), Nancy Bigelow (Insects), Rich Bloomfield (Insects), Helen C. Bonbrest (Invertebrates), Eric Brossman (Fishes), Renee Buecker (Insects), Peter Buol (Birds), Fredell Campbell (Mammals), Dr. Sidney Camras (Insects), Kim A. Davies (Invertebrates), Kathleen Deering (Mammals), Marion Dunn (Fishes), Stanley Dvorak (Invertebrates), Alison Ebert (Mammals), Ralph Eiseman (Birds), Scott T. Fecho (Invertebrates), Antonia Fuerst (Mammals), Glenn Baganski (Birds), Celesia Gastone (Mammals), Arlene Ghiron (Insects), Harvey Golden (Mammals), Joan Goldstein (Fishes), Alex Grohman (Mammals), Lazaro Guinazu (Mammals), Jennifer Gura (Insects), Richard Guzik (Invertebrates), Kiyoko Hamilton (Mammals), Henry Hankin (Mammals), Adrian Harris (Insects), Herbert Hymen (Birds), Edwin Kapus (Invertebrates), Dr. James Kase (Insects), Melissa Kelly (Mammals), Stephanie Kelly (Mammals), Judith Kittle (Mammals), J. Klopp (Mammals), Ricard Landau (Mammals), Adrian LeCesne (Mammals), Sonia Leon (Insects), Armand Littman (Invertebrates), Ryan Lucas (Birds), Leslie Major (Birds), Carl Malstrom (Invertebrates), Teresa Mayfield (Amphibians and Reptiles), Donnie Moore (Mammals), Troy Nowak (Birds), Kayte O'Brien (Amphibians and Reptiles), Susan Okey (Insects), Michael Peters (Insects), Madiha Qureshi (Mammals), Andrea Previtali (Mammals), Roger Reason (Amphibians and Reptiles), Sheila Reynolds (Mammals), Avery Russell (Invertebrates and Mammals), Yvi Russell (Invertebrates and Mammals), Louis Salas (Birds), Nina Sandlin (Insects), Joy Schmoll (Amphibians and Reptiles), Elizabeth Simmons (Insects), Melinda Snapp (Mammals), Bryan Standerski (Amphibians and Reptiles), Rachael Sula (Insects), Dan Tian (Invertebrates), Megan Vangstad (Mammals), Sandy Van Tilburg (Birds), Arleen Tisma-Marks (Chair's office), Sezgi Ulucam (Invertebrates), Christine Vittoe (Invertebrates), David Walker (Invertebrates), Gerald Washington (Mammals), Sarah Watson (Fishes), Joseph Zich (Invertebrates).

HONORARY APPOINTMENTS, 2005

DEPARTMENT OF ANTHROPOLOGY

Curator Emeritus
Phillip Lewis, Ph.D., Primitive Art, Melanesian Ethnology

Adjunct Curators
William Barnett, Ph.D., Old World Prehistory
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
Andrew L. Cousins, Ph.D., Palestinian and Medical Anthropology
Winifred Creamer, Ph.D., Mesoamerican and Southwest Archaeology
Scott Demel, Ph.D., North American and Historical Archaeology
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
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
James L. Phillips, Ph.D., Old World Prehistory, Stone Tools
Jack H. Prost, Ph.D., Physical Anthropology and Primate Behavior
David Reese, Ph.D., Archaeozoology
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
Robert L. Welsch, Ph.D., Oceania
Cameron Wesson, Ph.D., Household Archaeology, Southeastern United States
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
Robert C. Bailey, Ph.D., Biological Anthropology, Africa
Jane Eva Baxter, Ph.D., Historical Archaeology
Richard Blanton, Mesoamerican Archaeology
Deborah Blom, Ph.D., Andean Bioarchaeology
Joshua Borstein, Ph.D., Mesoamerican Archaeology
Robert J. Braidwood, Ph.D., Middle Eastern Archaeology
Jane E. Buikstra, Ph.D., Skeletal Biology, Paleopathology, Paleodemography, Forensic Anthropology

William J. Conklin, Ph.D., Peruvian Anthropology
Nicole Couture, Ph.D., Latin America
Phillip J. C. Dark, Ph.D., African Ethnology
Shannon Dawdy, Ph.D., American South and Caribbean, Creole Cultures
Robert Feldman, Ph.D., Andean Archaeology
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
F. Clark Howell, Ph.D., Old World Prehistory
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
Alan L. Kolata, Ph.D., Andean Archaeology and Ethnohistory
Lyle Konigsberg, Ph.D., Physical Anthropology
David Kuehn, Ph.D., Geoarchaeology
Elizabeth Ann Lillehoj, Ph.D., Japan, Material Culture
Charles E. Lincoln, Ph.D., Mesoamerican Archaeology
Laura Litten, Ph.D., Visual Anthropology
Maria C. Lozada, Ph.D., Peruvian Archaeology
Mark Lycett, Ph.D., US Southwest Archaeology
Donald E. McVicker, Ph.D., Mesoamerican Archaeology
Kathleen Morrison, Ph.D., South Asian Archaeology
Michael E. Moseley, Ph.D., South American Archaeology
Katherine Nelson, Ph.D., American Southwest Archaeology
Nancy Parezo, Ph.D., American Indian Studies
Nadine Ruth Peacock, Ph.D., Biological Anthropology, Africa
Esther Schechter, Ph.D., Kinship
Richard Schlott, Ph.D., Scientific Anthropology
Fred H. Smith, Ph.D., Physical Anthropology
Costas Spirou, Ph.D., Urban Anthropology and Sociology
John Edward Staller, Ph.D., Ethnoarchaeology, West Lowland South America
Gil J. Stein, Ph.D., Near Eastern Archaeology
Ann L.W. Stodder, Ph.D., Bioarchaeology, Oceania
Edward Swensen, Ph.D., Arts in Anthropology
Hans Thomsen, Ph.D., East Asian Art and Archaeology
Robin Torrence, Ph.D., Mediterranean and New Guinean Archaeology
Nikolaas Johannes van der Merwe, Ph.D., African Archaeology and Metallurgy
Ronald Weber, Ph.D., Amazon Basin and Northwest Coast Archaeology and Ethnology
Donald Whitcomb, Ph.D., Egyptian Prehistory

Associates
Connie Crane, A.B., North American Ethnology
Peter Gayford, B.A., African Archaeology and Ethnology
John M. MacDonald, M.S., Oceania
Carolyn Moore, B.A., Asian Material Culture
Judy Odland, M.A., African and South American Textiles
Lisa Stringer, M.A., Archaeology
Edward Yastrow, B.A., Human Origins

DEPARTMENT OF BOTANY

Curator Emeritus
William Burger, Ph.D., Vascular Plants

Adjunct Curators
William A. Alverson, Ph.D., Vascular Plants
Eve Emshwiller, Ph.D., Ethnobotany
Fernando A. Fernández, 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

Visiting Assistant Curator
Fred R. Barrie, Ph.D., Vascular Plants

Research Associates
Robert F. Betz, Ph.D., Vascular Plants
John E. Braggins, Ph.D., Bryophytes
Julieta Carranza, Ph.D., Mycology
Ana Crespo, Ph.D., Lichenology
Jesús Garcia J., Biol., Mycology
Nancy Garwood, Ph.D., Vascular Plants
Sidney F. Glassman, Ph.D., Vascular Plants
Luis D. Gómez, Ph.D., Mycology
Alfredo Gomez-Beloz, Ph.D., Vascular Plants
Jorgé Gómez Laurito, B.S., Vascular Plants
James G. Graham, Ph.D., Vascular Plants
Nancy Hensold, Ph.D., Vascular Plants
Patrick Herendeen, Ph.D., Vascular Plants
Andrew Hipp, Ph.D., Vascular Plants
Sara Hoot, Ph.D., Vascular Plants
Michael Huft, Ph.D., Vascular Plants
Wei Jiang-Chun, Ph.D., Mycology
Marian Kadushin, Ph.D., Vascular Plants
Kuswata Kartawinata, Ph.D., Vascular Plants
Thomas G. Lammers, Ph.D., Vascular Plants
Segundo Leiva González, Ph.D., Vascular Plants
David Lentz, Ph.D., Vascular Plants
Blanca Leon, Ph.D., Pteridology
David P. Lewis, M.S., Mycology
Richard A. Lupia, Ph.D., Paleobotany
John F. Lussenhop, Ph.D., Mycology
James Luteyn, Ph.D., Vascular Plants
François M. Lutzoni, Ph.D., Lichenology
Maria de Milagro Mata Hidalgo, Mycology
Susana A. Magallón-Puebla, Ph.D., Paleobotany
Rogers McVaugh, Ph.D., Vascular Plants
Andrew Miller, Ph.D., Mycology
John (Jack) Murphy, Ph.D., Mycology
Cirilo Nelson, Ph.D., Vascular Plants
Lorin I. Nevling, Jr., Ph.D., Vascular Plants
Stephen Packard, Ecology
Patricio P. Ponce de Leon, Ph.D., Mycology
Kathleen Pryer, Ph.D., Pteridology
Victor Quipuscoa Silvestre, Ph.D., Vascular Plants
James Rastorfer, Ph.D., Bryology
Jacinto C. Regalado, Jr., Ph.D., Vascular Plants
Abundio Sagastegui, Ph.D., Vascular Plants
Isidoro Sanchez Vega, Ph.D., Vascular Plants

Rudolf M. Schuster, Ph.D., Bryology
Alan R. Smith, Ph.D., Pteridology
D. Doel Soejarto, Ph.D., Vascular Plants
Tod F. Stuessy, Ph.D., Vascular Plants
Qiuxin Wu, Ph.D., Mycology
Kenneth Young, Ph.D., Vascular Plants

Field Associates
Sandra Knapp, Ph.D., Vascular Plants
Antonio Molina R., Ing. Agr., Vascular Plants

Associates
Betty Strack, M.S., Mycology

DEPARTMENT OF GEOLOGY

Curators Emeritus
Matthew H. Nitecki, Ph.D., Fossil Invertebrates
William D. Turnbull, Ph.D., Fossil Mammals
Bertram G. Woodland, Ph.D., Petrology

Research Associates
William L. Abler, Ph.D., Fossil Vertebrates
Edgar Allin, Ph.D., Fossil Vertebrates
David Bardack, Ph.D., Fossil Fishes
William Bemis, Ph.D., Fossil Vertebrates
C. Kevin Boyce, Ph.D., Paleobotany
Chris Brochu, Ph.D., Fossil Vertebrates
Greg Buckley, Ph.D., Fossil Vertebrates
Andrew Campbell, Ph.D., Meteoritics
Matthew T. Carrano, Ph.D., Fossil Vertebrates
Robert Clayton, Ph.D., Meteoritics/Geochemistry
Michael Coates, Ph.D., Fossil Fishes
Peter R. Crane, Ph.D., Paleobotany
Darin Croft, Ph.D., Fossil Vertebrates
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 Vertebrates
Michael Foote, Ph.D., Fossil Invertebrates
Catherine Forster, Ph.D., Fossil Vertebrates
Gary Galbreath, Ph.D., Fossil Vertebrates
Timothy Gaudin, Ph.D., Fossil Mammals
Terry Grande, Ph.D., Fossil Fishes
Lawrence Grossman, Ph.D., Meteoritics
Thomas Guensburg, Ph.D., Fossil Invertebrates
William Hammer, Ph.D., Fossil Reptiles
James Hopson, Ph.D., Fossil Vertebrates
David Jablonski, Ph.D., Fossil Invertebrates
Christine Janis, Ph.D., Fossil Mammals/other verts.
Lenny Kouwenberg, Ph.D., Paleoecology
David Krause, Ph.D., Fossil Vertebrates

Michael LaBarbera, Ph.D., Fossil Invertebrates
Ricardo Levi-Setti, Ph.D., Fossil Invertebrates
R. Eric Lombard, Ph.D., Fossil Vertebrates
Ernest Lundelius, Ph.D., Fossil Mammals
Frank McKinney, Ph.D., Fossil Invertebrates
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
Paul Sereno, Ph.D., Fossil Reptiles
Neil H. Shubin, Ph.D., Fossil Vertebrates
Neil C. Sturchio, Ph.D., Meteoritics
Stuart S. Sumida, Ph.D., Fossil Vertebrates
Alfred Traverse, Ph.D., Fossil Plants/Paleopalynology
Leigh Van Valen, Ph.D., Fossil Mammals
Mark Webster, Ph.D., Fossil Invertebrates
André Wyss, Ph.D., Fossil Mammals

Associates
Nicolas Dauphas, Ph.D., Cosmochemistry
Doris Nitecki, M.A., Fossil Invertebrates

DEPARTMENT OF ZOOLOGY

Adjunct Curators
Jack Fooden, Ph.D., Mammals
Julian C. Kerbis Peterhans, Ph.D., Mammals
Harry G. Nelson, S.B., Insects
Thomas S. Schulenberg, Ph.D., Neotropical Birds

Associates
Peter L. Ames, Ph.D., Syringeal Morphology of Passerine Birds
Matt Bonnan, Ph.D., Vertebrate Paleontology
Barbara Brown, B.A., Primates
Sidney Camras, M.D., Systematics of Conopidae (Diptera)
Arvin C. Diesmos, M.S., Philippines Amphibians
Ingrid Fauci, Collection Management, Translations
Barbara A. Harney, M.S., Mammal Ecology
Jacques Hill, Ph.D., Southeast Asian Herpetology
N. Aldrin D. Mallari, M.S., Philippines Conservation
Peggy Macnamara, Artist
Debra K. Moskovits, Ph.D., Conservation
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: Pselaphidae (Coleoptera)

Field Associates
Tom Anton, M.A., Midwestern Amphibians and Reptiles
Pam Austin, M.S., African Mammals
Sherif Baha El Din, M.S., Herpetology of Egypt
Danny Balete, M.S., Philippine Mammals and Conversation
Barbara Becker, M.A., Zoology Research
Somchai Bussarawit, B.S., Biology

Tanya Chan-ard, M.S., Forest Biology
Merel J. Cox, M.S., Geology, Snakes of Thailand
Leif Davenport, Mammals of Burundi
Susan Davis, M.S., Neotropical Birds
Carl W. Dick, M.S., Mammal Ectoparasites
John Douglas, M.S., African Zoology
Brian Fisher, Ph.D., Ants of Madagascar
Steve Fratello, Taxonomy of Lepidoptera
Bruce Hayward, Ph.D., African Mammals
Kiew Bong Heang, Ph.D., Sea Snakes
Nina R. Ingle, Ph.D., Philippine Mammals and Conservation
Djoko T. Iskandar, Ph.D., Genetic and Systematics of Amphibians
Maklarin Lakim, Research Officer
Vachira Lheknim, Ph.D., Fish of Thailand
Kelvin Lim Kok Peng, Amphibians and Reptiles
Antonio Machado-Allison, Ph.D., South American Fishes
David Matusik, Taxonomy of Lepidoptera
Gregory Mayer, Ph.D., Organismic and Evolutionary Biology
Edward Moll, Ph.D., Biology of Freshwater Turtles
John Murphy, M.S., Herpetology
Manuel A. Plenge, Peruvian Bird Distribution
Walter R. Suter, Ph.D., Systematics of Scydmaenidae (Coleoptera)
Blas Tabaranza, M.S., Philippine Mammals
Jamie Thomerson, Ph.D., Central and South American Fishes
Ruth Utzurrum, Ph.D., Philippine Mammals
Anna Wong, B.S., Zoology
Bruce A. Young, Ph.D., Snake Morphology

Research Associates
Michael Alfaro, Ph.D., Molecular Systematics
Mary Ashley, Ph.D., Conservation Genetics
Wirt Atmar, Ph.D., Diversity and Community Structure
Warren Atyeo, Ph.D., Systematics of Acari
Rosemary Barraclough, Ph.D., Blood Bird Parasites
Jason E. Bond, Ph.D., Systematics of Diplopoda and Araneae
John Cadle, Ph.D., Herpetology
Angelo Capparella, Ph.D., Evolution of Neotropical Birds
Jose Maria Cardoso da Silva, Ph.D., Brazilian Birds
Donald S. Chandler, Ph.D., Systematics of Staphylinidae (Coleoptera)
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
Katharina Dittmar de la Cruz, Ph.D., Systematics of Bat Flies
Michael L. Draney, Ph.D., Systematics of Linyphiidae (Araneae)
Amy Driskell, Ph.D., Evolution of Birds and Bioinformatics
Brian Dyer, Ph.D., Biomechanics
Sharon Emerson, Ph.D., Functional Anatomy of Anura
Brian L. Fisher, Ph.D., Ants of Madagascar
John Fitzpatrick, Ph.D., Evolutionary Ecology and Biogeography of Neotropical Birds
Daniel Gebo, Ph.D., Primates
Jaqueline Goerck, Ph.D., Conservation in Brazil

Paul Z. Goldstein, Ph.D., Systematics of Lepidoptera
Melina Hale, Ph.D., Biomechanics
Malcolm Hast, Ph.D., Mammalian Vocal Apparatus
Jacques Hill, Ph.D., Southeast Asian Herpetology
Rainer Hutterer, Ph.D., Mammalian Insectivores
Avis James, Ph.D., Drosophila evolution
Bruce C. Jayne, Ph.D., Marine and Esturarine Snakes
W. 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
Marcus Key, Jr., Ph.D., Bryozoans
Douglas Kelt, Ph.D., South American Mammals
David H. Kistner, Ph.D., Systematics of Staphylinidae Associated with Ants and Termites
Michael La Barbera, Ph.D., Functional Morphology of Pectinidae
Peter E. Lowther, Ph.D., Field Museum Nest and Egg Collection
Jessie Maisano, Ph.D., Skeletal Morphology of Squamates
Yang Chang Man, B.S., Decapods
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
Roy A. Norton, Ph.D., Systematics of Acari
John O'Neill, Ph.D., Neotropical Birds
Link Olson, Ph.D., Malagasy Mammals
Perry Ong, Philippine Mammals
Charles Oxnard, Ph.D., Vertebrate Anatomy
Victor Pacheco, M.A., Peruvian Mammals
Somsak Panha, Ph.D., Southeast Asian Land Snails
Ronald Panzer, Ph.D., Invertebrate Conservation
Stewart B. Peck, Ph.D., Systematics of Colepotera
Tila Maria Perez Ortiz, Ph.D., Systematics of Acari
Philip D. Perkins, Ph.D., Aquatic Coleoptera
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
Matthew Ravosa, Ph.D., Primates
Justine Ray, Ph.D., Central African Mammals
Eric A. Rickart, Ph.D., Mammals in Southeast Asia and North America
Scott Robinson, Ph.D., Birds
Luis Ruedas, Ph.D., Southeast Asian Mammals
Victor Sanchez-Cordero, Ph.D., Mexican Mammals
Jorge A. Santiago-Blay, Ph.D., Insects
Nikolaos Schizas, Ph.D., Population Genetics
Jodi Sedlock, Ph.D., Bat Ecology
H. Bradley Shaffer, Ph.D., Herpetology
Jennifer Shopland, Ph.D., Mixed Species Ecology, Neotropical Birds
Ronald Singer, D.Sc., Mammalian Anatomy
Sergio Solari, M.S., Mammals of Peru
Donald Stewart, Ph.D., South American Fishes
Bill Strausberger, Ph.D., Cowbirds
Robert Stuebing, M.S., Malaysian Ecology

J. Bolling Sullivan III, Ph.D., Systematics of Lepidoptera
Tan Fui Lian, South Asian Frogs
Kumthorn Thirakhupt, Ph. D., Southeast Asian Herpetology
Jamie Thomerson, Ph.D., Central and South American Fishes
Vinton Thompson, Ph.D., Systematics of Homoptera
Robert Timm, Ph.D., New World Mammals
Robert Traub, Ph.D., Siphonaptera
Bruce Walsh, Ph.D., Systematics of Lepidoptera
Joseph Walsh, Ph.D., Mammalian Systematics
Richard Wassersug, Ph.D., Tadpole Research
Lee A. Weigt, M.S., Zoology, Systematics
John Wible, Ph.D., Higher Level Taxonomy of Mammals
Glen Woolfenden, Ph.D., Florida Scrub Jay Behavior
Chris Yahnke, Ph.D., Neotropical Mammal
Anne Yoder, Ph.D., Primate Evolution
John Yunger, Ph.D., Mammals of Chicago Area
Ermi Zhao, Ph.D., Chinese Herpetofauna, Systematics

COLLECTION STATISTICS, 2005

Collection Size and Growth

	2004 Number of Specimens	2005 Number of Specimens	2004-2005 % growth
DEPARTMENT OF ANTHROPOLOGY			
Africa	161,612	161,612	0.00%
Europe	47,470	47,470	0.00%
Asia	89,857	90,702	0.94%
South America	23,339	23,366	0.12%
Central & Middle America	14,585	14,785	1.37%
North America	250,355	250,356	0.00%
Pacific	50,672	50,678	0.01%
Osteological Collection	4,696	4,696	0.00%
Anthropology Subtotal	**642,586**	**643,665**	**0.17%**
DEPARTMENT OF BOTANY			
Algae	78,142	78,142	0.00%
Fungi (including lichens)	176,640	184,990	4.73%
Bryophytes	198,100	200,500	1.21%
Pteridophytes	117,680	117,680	0.00%
Gymnosperms	11,025	11,075	0.45%
Angiosperms	2,127,173	2,130,773	0.17%
Botany Subtotal	**2,708,760**	**2,723,160**	**0.53%**
DEPARTMENT OF GEOLOGY			
Physical Geology	51,010	51,035	0.05%
Invertebrate Paleontology	322,688	322,688	0.00%
Plant Paleontology	66,335	67,714	2.08%
Vertebrate Paleontology	83,912	83,988	0.09%
Geology Subtotal	**523,945**	**525,425**	**0.28%**
DEPARTMENT OF ZOOLOGY			
Amphibians and Reptiles	282,152	283,334	0.42%
Birds	463,143	466,431	0.71%
Fishes	1,884,560	1,889,257	0.25%
Insects	11,470,881	11,610,459	1.22%
Invertebrates	4,327,236	4,329,765	0.06%
Mammals	180,668	187,000	3.50%
Zoology Subtotal	**18,608,640**	**18,766,246**	**0.85%**
TOTAL SPECIMENS	**22,483,091**	**22,658,496**	**0.78%**

COLLECTION STATISTICS, 2005

Outgoing Loans from Field Museum Collections

	Number of Loans	Number of Specimens
DEPARTMENT OF ANTHROPOLOGY		
Anthropology Subtotal	**10**	**33**
DEPARTMENT OF BOTANY		
Algae	0	0
Fungi (including lichens)	13	520
Bryophytes	2	218
Pteridophytes	5	496
Gymnosperms	0	0
Angiosperms	88	8,408
Botany Subtotal	**108**	**9,642**
DEPARTMENT OF GEOLOGY		
Physical Geology	23	52
Invertebrate Paleontology	16	610
Plant Paleontology	3	58
Vertebrate Paleontology	33	284
Geology Subtotal	**75**	**1,004**
DEPARTMENT OF ZOOLOGY		
Amphibians and Reptiles	109	2,439
Birds	120	3,187
Fishes	25	953
Insects	136	27,298
Invertebrates	41	2,607
Mammals	89	1,564
Zoology Subtotal	**520**	**38,048**
TOTAL	**713**	**48,727**

COLLECTIONS STATISTICS, 2005

Incoming Loans from Other Institutions or Parties

	Number of Loans	Number of Specimens
DEPARTMENT OF ANTHROPOLOGY		
Anthropology Subtotal	**0**	**0**
DEPARTMENT OF BOTANY		
Algae	0	0
Fungi (including lichens)	56	1,132
Bryophytes	5	28
Pteridophytes	0	0
Gymnosperms	0	0
Angiosperms	13	1,779
Botany Subtotal	**74**	**2,939**
DEPARTMENT OF GEOLOGY		
Physical Geology	0	0
Invertebrate Paleontology	1	1
Plant Paleontology	1	83
Vertebrate Paleontology	n/a	n/a
Geology Subtotal	**2**	**84**
DEPARTMENT OF ZOOLOGY		
Amphibians and Reptiles	59	2,573
Birds	2	17
Fishes	14	172
Insects	77	9,437
Invertebrates	18	902
Mammals	13	195
Zoology Subtotal	**183**	**13,296**
TOTAL	**260**	**16,320**

COLLECTION STATISTICS, 2005

Use of Collections by Visitors

	Scientific Visitors		Classes		Information/Outreach	
	Total Visitors	Total Visitor Days	Total Classes	Total Students	Total Visits	Total Visitors
ANTHROPOLOGY						
Subtotal	**116**	**175**	**22**	**660**	**38**	**190**
BOTANY						
Algae	0	0	0	0	0	0
Fungi	5	74	1	15	1	15
Bryophytes	5	11	0	0	0	0
Pteridophytes	3	6	0	0	0	0
Gymnosperms	0	0	0	0	0	0
Angiosperms	90	277	5	29	1	60
Subtotal	**103**	**368**	**6**	**44**	**2**	**75**
GEOLOGY						
Physical Geology	3	3	0	0	0	0
Invertebrate Paleo	13	15	4	21	4	5
Plant Paleontology	8	25	3	34	2	4
Vertebrate Paleo	63	169	0	0	2	3
Subtotal	**87**	**212**	**7**	**55**	**8**	**12**
ZOOLOGY						
Amphib./Reptiles	50	304	7	136	26	46
Birds	39	369	5	126	320	1920
Fishes	62	218	11	205	45	130
Insects	38	133	3	44	7	47
Invertebrates	22	29	0	0	17	84
Mammals	107	681	9	261	70	444
Subtotal	**318**	**1,734**	**35**	**772**	**485**	**2,671**
TOTALS	**624**	**2,489**	**70**	**1,531**	**533**	**2,948**

FIELD MUSEUM PRESS - 2005

Fieldiana: Botany

No. 45. "Flora Costaricensis: Family #172 Ericaceae." By Jim Luteyn and Robert Wilbur. 2005. 107 pages. Publication No. 1536.

Fieldiana: Geology

No. 51. "Fossil Shrews from Honduras and Their Significance for Late Glacial Evolution in Body Size (Mammalia: Soricidae: *Cryptotis*)." By Neal Woodman and Darin A. Croft. 2005. 30 pages. Publication No. 1534.

Fieldiana: Zoology

No. 104. "Systematic Review of the Japanese Macaques, *Macaca fuscata* (Gray, 1870)." By Jack Fooden. 2005. 208 pages. Publication No. 1533.

No. 105. "Morphological phylogeny of the Bat Genus *Platyrrhinus* Saussure, 1860 (Chiroptera: Phyllostomidae) with the Description of Four New Species." By Paul Velazco. 2005. 53 pages. Publication No. 1535.

PRITZKER LABORATORY FOR MOLECULAR SYSTEMATICS AND EVOLUTION

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, in 2005 the lab started collecting DNA fragment data, using techniques such as T-RFLP and microsatellites. T-RFLP data are being used by several mycologists in lab to infer species diversity of fungi in soil communities. Microsatellite DNA data are being used for several projects in the Pritzker Laboratory including, mating system of lemon sharks, mate choice in sugarbirds, and population structure in caddisflies.

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 natural selection.

The lab underwent a large turnover this past year with several of our long-time users moving on to other positions. Management committee members Jun Wen and Paul Goldstein are now at the Smithsonian and the Florida Museum of Natural History, respectively. Graduate students Trina Roberts, Ana Carnaval, and Bryan Stuart finished their graduate work and are all postdoctoral associates.

The majority of lab users are Field Museum curators, their graduate students from the University of Chicago and the University of Illinois at Chicago, and their post-doctoral researchers. As it does every year, the lab had many international visitors in 2005. This year, we had visitors from China, Japan, India, Germany, Thailand, Canada, South Africa and Scotland. Each of these visitors was trained in the proper methods for collecting genetic data for their various projects. In 2005, we trained over 20 national and international scientists to collect genetic data on a wide variety of organisms including sharks, mushrooms, coral reef fish, lichenized fungi, bivalves, birds, snakes, toucans, lice, bats, and frogs. 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 2005.

The Pritzker Laboratory 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 Laboratory: http://www.fmnh.org/research_collections/pritzker_lab/pritzker/index.html; or the individual pages of members of the committee that manages the facility: John Bates (Zoology); Thorsten Lumbsch (Botany); Shannon Hackett (Zoology); Rick Ree (Botany); and Kevin Feldheim (Pritzker Laboratory).

SCANNING ELECTRON MICROSCOPE LABORATORY

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 (down to 10 times life-size) 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 Zeiss (formerly LEO) EVO 60 XVP Scanning Electron Microscope, is equipped to analyze an object's elemental composition with the Oxford INCA 350 Energy Dispersive X-ray Microanalysis System (EDS). The Zeiss SEM was installed in April 2004 and has the largest chamber available for viewing sizeable specimens and objects. The Zeiss SEM with the Oxford EDS was generously funded by an anonymous donor and is part of the museum's Elemental Analysis Facility.

Besides the Zeiss SEM, the museum's Amray 1810 SEM has been recently 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 Balzers 030 Critical Point Dryer for drying soft tissue and a Denton Vacuum Desk II Sputter Coater for coating non-conductive specimens with a thin layer of gold.

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. Twenty-five curators, professional staff, graduate students mostly from the University of Chicago and the University of Illinois at Chicago, research associates, and international visiting/collaborating scientists from Academic Affairs operated the SEM in 2005. The staff, students, and collaborating scientists that used the SEM Lab include: Danny Balete, Fred Barrie, Holly Berg, Steffi Ickert-Bond, J.P. Brown, Julian Bueno, Dave Clarke, Ian Glasspool, Jochen Gerber, Larry Heaney, Eric Hilton, Isabella Kappner, Julian Kerbis, Lee Hsiang Liow, David Lentz, Luke Mahler, Peter Makovicky, Will Pestle, Alexey Solodovnikov, Brian Sidlauskas, Petra Sierwald, Bill Turnbull, Bill Whitehead, Nora Wirtz, and Yuping Zhu.

Topics of recent and continuing research projects using the SEM Lab include:

- Identification of archaeological samples from Oaxaca, Mexico
- Trabecular structure of normal and pathological human vertebrae
- Peruvian wood/charcoal identification
- Leaf cuticle and seed morphology of sweet gum plant family
- Morphology of wood from Guatemala
- Lichen cortex morphology
- Fungal spore morphology
- Wear patterns on dinosaur teeth
- Scale/denticle examination of fossil sturgeon
- Small mammal teeth and skulls
- African shrew skulls
- Tooth form and attachment of lizards and snakes
- Beetle morphology
- Marine gastropods and bivalve morphology
- Millipede morphology

SCHOLARSHIP COMMITTEE

The Field Museum encourages and supports the use of its collections and facilities by scholars and students from around the world. The Scholarship Committee is responsible for the review of applications and the disbursement of funds for visiting scientists, graduate fellows and undergraduate interns who wish to work with the museum's collections or collaborate with its scientists. The Scholarship Committee administers nine separate funds. These are the Borg-Warner Robert O. Bass Visiting Scientist Fund, the Karl P. Schmidt Fund, the Thomas J. Dee Fellowship Fund, the Brown Family Graduate Fellowship Fund, the Visiting Scholar Fund, the William A. and Stella Rowley Graduate Fellowship Fund, the Lester Armour Graduate Fellowship Fund, the Women's Board's "Women in Science" Graduate Fellowship Fund, and the Undergraduate Internship Fund.

During 2005 the Scholarship Committee awarded 34 scholarships, 3 fellowships, and 6 internships in all four scientific departments. Twenty scholarships were given to exceptional students who have demonstrated a strong commitment to the study of natural history. Scientists came not only from the United States, but also from Argentina, Bangladesh, Brazil, Canada, China, Germany, India, Italy, Japan, Mexico, The Netherlands, New Zealand, Peru, South Africa, and Spain.

The Scholarship Committee is temporarily chaired by Maureen Kearney, as Meenakshi Wadhwa has been on sabbatical since April. Elaine Zeiger serves as Committee Secretary.

Scholarships, Fellowships, and Internships Awarded in 2005

Lester Armour Family Graduate Fellowship / William A. and Stella Rowley Family Graduate Fellowship (both for outstanding graduate students to pursue advanced studies in one of the scientific departments at the museum): Brian Sidlauskas.

William A. and Stella Rowley Family Graduate Fellowship (for outstanding graduate students to pursue advanced studies in one of the scientific departments at the museum): David Cook.

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

Borg-Warner Robert O. Bass Visiting Scientists (for the support of visiting scientists): André Aptroot, Cornelis Berg, Vishwas Gogte, Yukibumi Kaneko, Ricardo Montero, Amin Uddin Mridha.

Thomas J. Dee Fellows (for research and academic fellowships with priority given to younger, less established research workers and to graduate students): Fernando Abdala, Cynthia Ann Bettison, Sayantan Biswas, Eimy Díaz, Leonardo Gomes Vieira, Pablo Gonçalves, Patricia Hall, Frances Johnson, Edgar Lehr, Paolo Piras, Albert Prieto-Marquez, Quiyari Santiago, Floyd Shockley, Akiko Soejima, Sylvie Tissandier, Yingwei Wang.

Karl P. Schmidt Scholars (for the training of young scientists who desire to study at The Field Museum): Markus Bastir, Dan Blanchon, Lori Jahnke, Francisco Prevosti.

Visiting Scholar Fund Scholars: Maggie Camperlengo, Jacob Esselstyn, Sarah Huber.

Women's Board "Women In Science" Scholarship: Nancy Barrickman, Eimy Díaz, Cecilia Gunzburger, Maria Ines Messuti, Kathleen Muldoon.

Internships (work experience whereby an undergraduate or recent graduate gains hands-on training in his/her field of expertise for one or more semesters): Holly Berg, Victor Hugo Garcia and Hailin Calderon Vaca, Stefanie Kautz, Claire Keene, Brandon Kilbourne, Laura Myford.