

*Plants shown are a part of the Florida Museum of Natural History's  
Herbarium Collection at Dickinson Hall, housing more than 430,000 specimens.*

*This report was produced by:*

Florida Museum of Natural History  
Marketing and Public Relations  
PO Box 112710  
Gainesville, FL 32611-2710

Editor: Paul Ramey, APR

Editorial Assistants:

Lauren Williams

DeLene Beeland

Contributing Editors:

Elise LeCompte

Sharon Thomas

Photography:

Kristin Bartlett

Chris Eversole

Jeff Gage

Tammy Johnson

Kathy Malone

Gustav Paulay

Beverly Sensbach

Bevin Stevens

Design: Leah Parchinski

Printing: StorterChilds Printing, Inc..



poinsettia • *Euphorbia pulcherrima*



crapemyrtle • *Lagerstroemia indica*



chinese-lantern • *Abutilon hybridum*



dwarf dandelion • *Krigia virginica*

# FLORIDA MUSEUM of Natural History

## ANNUAL REPORT 2005-2006



flowering-maple • *Abutilon striatum*



garden nasturtium • *Tropaeolum majus*



waterlily • *Nymphaea* hybrid



musk mallow • *Abelmoschus moschatus*



lily-of-the-Nile • *Agapanthus* hybrid



loblolly bay • *Gordonia lasianthus*



'Flare' hardy hibiscus • *Hibiscus* 'Flare'





**“THE FLORIDA MUSEUM OF NATURAL HISTORY IS  
FLORIDA’S STATE MUSEUM OF NATURAL HISTORY, DEDICATED  
TO UNDERSTANDING, PRESERVING AND INTERPRETING  
BIOLOGICAL DIVERSITY AND CULTURAL HERITAGE.”**



*But a larger staff is only one aspect of growth.*

**EQUALLY SIGNIFICANT IS OUR GROWTH  
IN STAFF QUALITY AND DIVERSITY.**

# A Message From the Director



## MUSEUM WOMEN IN SCIENCE, NATURALLY

*The Florida Museum of Natural History is extremely proud of its outstanding faculty and staff. These dedicated men and women have created one of the finest university natural history museums in the nation. They represent this institution's single greatest resource.*

In 1906, when the University of Florida opened its doors in Gainesville, the Museum occupied the third floor of Science Hall. There was no permanent staff until the first Museum director, Thompson Van Hyning, was hired in 1914. A quick glance at the professional staff listing in this Annual Report shows just how much the Museum's staff has grown in the last century. Our professional staff now tops 125, supplemented by an even greater number of part-time and hourly employees.

But a larger staff is only one aspect of growth. Equally significant is our growth in staff quality and diversity. Unlike the early years when all the Museum's personnel were men, about 40 percent of current staff and faculty are women, several of whom achieved notable distinction this past year.

Curator Emeritus Elizabeth Wing was elected to the U.S. National Academy of Sciences in 2006, an achievement considered one of the highest honors in American science. Dr. Wing is recognized worldwide as a pioneer in zooarchaeology, the study of animal remains in archaeological sites. She initiated the world's first formal program in zooarchaeology at the Florida Museum in 1961 which she nurtured during her 45-year career into the present-day Environmental Archaeology Program. Dr. Wing is only the tenth member of the National Academy from UF, and the third from the Florida Museum (including Drs. David Dilcher and the late Ed Deevey.) We are enormously proud of her contributions to the profession, and particularly of her many associates and students who now continue this work in universities and museums around the world.

Another of our leading female faculty members achieving signal honors this year was Dr. Pamela Soltis who directs the Museum's Molecular Systematics and Evolutionary Genetics program along with husband Doug, Chair of the UF Department of Botany. Pam and her co-authors received the 2005 Stebbins Medal from the International Association of Plant Taxonomists for their landmark book, *Phylogeny and Evolution of Angiosperms*. The Stebbins Medal is awarded for an outstanding publication in plant systematics and plant evolution.

Likewise Pam, Doug, and David Dilcher received 2006 Centennial Awards from the Botanical Society of America. This award was established to acknowledge and honor outstanding contributions to plant sciences. Pam and Doug also jointly received the 2006 Asa Gray Award, the highest honor awarded by the American Society of Plant Taxonomists, established to recognize outstanding scientists for their contributions to systematics research.

The awards and recognition garnered by outstanding women scientists like Drs. Wing and Soltis in the past year speak to the growing reputation of the Museum's professional staff, its research programs and its scholarly accomplishments. Like UF, the Florida Museum has grown in both size and stature from 1906-2006. Led by its dedicated professional staff, the next 100 years promise even more growth.

**Douglas S. Jones, Ph.D.** • Director





## Collections and Research

*Research and curatorial activities at the Florida Museum of Natural History saw another year of vigorous growth during 2005–06. Dickinson Hall, which is no longer open to the public, is where most of the Museum's 24 million objects are housed along with the associated field notes, photographs, databases and libraries that enhance their irreplaceable scientific value.*



The Museum brought in more than \$3.1 million in new and continuing multi-year grants to support research, collections curation and education. Museum research focuses on studies of DNA, anatomy, ecology and behavior and the evolution of plants, animals and human cultures. While the Museum's primary geographic strengths are in Florida, the Southeastern United States, and the Caribbean, the collections and research programs span the globe. Many of the collections of plants, animals, fossils and artifacts rank among the top 10 in the United States.





# 2005-2006 Collections and Research Highlights

## ARCHAEOLOGY AND ETHNOGRAPHY

### Caribbean Archaeology

- Completed a comprehensive survey of St. Lucie, Windward Islands.
- Coauthored an overview of Caribbean Archaeology with Corinne Hofman of Leiden University.
- Initiated development of archaeology program at Island School in Eleuthera, Bahamas.
- Assisted with development of Clifton Heritage Park in the Bahamas.
- Assisted with development of recreated Lucayan village on Grand Turk.
- William Keegan appointed Distinguished Lecturer at the University of the West Indies.

### Environmental Archaeology

- Investigated human impact on ancient environments in cooperation with the Museo de Historia Natural, Universidad de San Carlos.
- Researched migration in ancient Mesoamerican trade, changing environments and climates.
- Acquired the St. Catherine's Island Zooarchaeological and Archaeobotanical Collections.
- Organized *St. Catherine's Island Environmental Archaeology Round-Table*.
- Expanded FAO Schwarz-funded Fish Atlas.
- Kitty Emery listed in *Who's Who of American Teachers* and *Who's Who of American Women*.

### Ethnography

- Curated *Visions of Wind River* exhibit.
- Completed curation of Andean Folk Art collection.
- Curated Native Amazonian ethnographic collection.



### Florida Archaeology

- Completed major hurricane restoration to Randell Research Center, including Calusa Heritage Trail and surrounding properties.
- Assisted in architectural restoration of historic Gill House, administrative center for the Randell Research Center.
- Assisted in urban forest rehabilitation of Randell Research Center and surrounding properties.
- Established Pineland charter regional center within the statewide *Florida Public Archaeology Network*.
- Jerald Milanich awarded 2005 Ken Meeker Travel Writer Award by the Sanibel-Captiva Chamber of Commerce and Lee County Visitor and Convention Bureau.

#### *Florida Archaeology research included:*

- Late Holocene climate archives preserved in archaeological shells.
- National Science Foundation program on calibration of strontium-calcium ratios in clam shells.
- Diets of Florida Indian populations.
- Archaeologically detected foodways as a measure of culture change.
- Petrographic research on pottery from Puerto Rico and Alabama.
- Manufacturing origins of Safety-Harbor related pottery at Pineland, and on chronology of Useppa Island pottery.

### Latin American Archaeology

- Studied Mayapan censers to determine chronology, iconography and external connections on Postclassic censer traditions across Mesoamerica.
- Postclassic Central Mexico research project focused on *Codex Borgia*.
- Susan Milbrath selected as project advisor for Maya Skies planetarium program, Chabot Space & Science Center.





## COLLECTIONS & RESEARCH

### Spanish Colonial Archaeology

- Prepared GIS database for St. Augustine archaeology.
- Excavated Mission San Francisco de Potano, an important Spanish mission site.
- Received donation of a collection of 18<sup>th</sup>- and 19<sup>th</sup>- century historic ceramic objects from John Goggin, a seminal figure in the development of Spanish Colonial archaeology.
- Kathleen Deagan received Society for American Archaeology Presidential Recognition for service on the National Historic Landmarks Review Committee and served as instructor for the Florida Humanities Council-National Endowment for the Humanities project, *Teaching American History*.

### BOTANY

#### Herbarium

- Researched mechanisms of the evolutionary origins of crassulacean acid metabolism in tropical orchids.
- Researched the systematics of Maxillariinae (Orchidaceae).
- Continued development of *Assembling the Tree of Life* database.
- Created *Revealing the Rare: a Virtual Collection of Florida's Endangered Plant Species*.



#### Molecular Systematics and Evolutionary Genetics Laboratory

- Researched genome evolution and macrodiversification in green plants.
- Continued development of *Deep Time: A Comprehensive Phylogenetic Tree of Living and Fossil Angiosperms*.
- Continued work on *The Floral Genome Project: Origin and Evolution of the Floral Genetic Program and Phylogenetic Tools for Evolutionary and Functional Genomics of Angiosperms*.
- Continued collaborative research project *Resolving the Trunk of the Angiosperm Tree and Twelve of its Thorniest Branches*.
- Organized workshops on understanding species diversity, unifying field, museum and laboratory scientists in global biodiversity studies and on establishing a comprehensive database for plant systematics.
- Pam Soltis served as consultant for NOVA program on first flowers.
- Soltis received Centennial Award from the Botanical Society of America.

#### Paleobotany

- Researched a new first flower in the world from China.
- Investigated fossil plant deposits in the Bahamas, Tennessee, Kansas and Nebraska.
- Hosted *Advances in Paleobotany Conference*, the *Florida Paleontological Society* annual meeting, and the *MidContinent Paleobotanical Colloquium*.
- David Dilcher listed in *Who's Who in the World*, *Who's Who in America*, *Who's Who in American Education* and *Who's Who in Medicine and Healthcare*.
- Dilcher awarded the Paleobotanical Society International Medal.



## INVERTEBRATES

### Malacology

- Researched molecular phylogeography and speciation of Indo-West Pacific marine invertebrates.
- Continued marine biodiversity inventory of Oceania.
- Undertook systematic study of neotropical land snails and southeastern freshwater snails.
- Developed online photographic resource for the identification of coral reef invertebrates.
- Created a checklist of land and freshwater snails of Mexico and Central America.

### Invertebrate Paleontology

- Researched new species of frog crabs in the Pliocene Serot Domi Formation, Curacao.
- Collected and studied 10 new species of recently discovered Florida Eocene crabs.
- Received major donation of Antarctica fossils from the University of Illinois.
- Developed new online database.
- Participated in National Science Foundation-sponsored collaborative project with the University of South Florida to provide undergraduate research experiences.
- Researched sclerochronology of coquina clams.

## MUSEUM STUDIES

- Worked on major monograph on William Bartram.
- Researched 18th-century deerskin trade with Creek peoples in east Florida.
- Performed reanalysis of Scientific Revolution as influenced by European Neotropical exploration.
- Presented a lecture prior to a performance of *The Monkey Trial* for UF Performing Arts.
- Charlotte Porter, as Florida Director of the Bartram Trail Conference, spearheaded the *Evinston to Cross Creek Paint Out: Florida's Eden*.

## VERTEBRATES

### Herpetology

- Conducted herpetological species surveys throughout Parque Nacional, Honduras.
- Continued research on introduced exotic herps.
- Studied molecular genetics of king snakes throughout North America.
- Researched turtle populations and water quality in Missouri.
- Studied the ecology of cottonmouths at their northern limit.
- Acquired wet collections from the U.S. National Park Service South Florida Collection Management Center.
- Hosted the 29th Annual Herpetology Conference.
- Co-chaired symposium *Conservations about Invasive Herp Species: Can a Pan-herpetological Approach Help Find Solutions to Some Problems?*



- Wayne King appointed Florida Museum representative to the Florida Fish and Wildlife Conservation Commission Nongame Wildlife Advisory Council by Gov. Jeb Bush.
- King served as consultant for BBC Natural History Unit film on crocodiles for David Attenborough's *Life in Cold Blood* TV series.
- King and Kenneth Krysko served as consultants and on-camera experts for National Geographic Society TV film on alligators and pythons in the Everglades.
- Max Nickerson appointed Conservation Fellow to the Saint Louis Zoo Wildcare Institute.

### Vertebrate Paleontology

- Collaborated on *Crazy Mountains Basin Project: Composition, Diversity, and Evolution of Paleocene mammalian faunas*.
- Continued work on collaborative project to document biotic change in response to rapid, large-scale global warming.
- Investigated origin and early evolution of primates.
- Studied Eocene-Oligocene mammals, paleoecology and geochemistry and fossil mammals from the Neotropics.
- Studied vertebrates and plants from a neotropical rainforest in northern Colombia and Pliocene vertebrates from Florida.
- Investigated macroevolution and diagenesis of giant Cenozoic sharks.
- Continued excavations at the Haile 7G vertebrate site.
- Researched systematics of North American fossil tapirs.
- Studied fossil vertebrates of the Central Florida Phosphate District.
- Continued research on fossil tortoises in Florida, Nebraska and South Carolina.
- Conducted uplift studies of the Andes using stable isotopes.
- Received donation of Dr. Clifford Jeremiah's collection of shark fossils and models, facilitating the development of an upcoming Florida Museum traveling exhibit.
- Received donation of the Hutchens collection of fossils from the Nebraska badlands and from the Florida Neogene (6,000 specimens total), significantly increasing the research potential of the existing northeastern Eocene-Oligocene Badlands and Pliocene Florida.
- Launched online database as part of the international *Paleontology Portal*.





### The Katharine Ordway Chair in Ecosystem Conservation

- Continued research on effects of urbanization on community ecology and population dynamics of birds in Florida.
- Investigated coevolution between cowbirds and their hosts and cowbird parasitism in Florida.
- Studied habitat selection and populations of migratory songbirds in the U.S. Virgin Islands.
- Scott Robinson led UF Alumni field trip to Amazonian Peru.



### Ichthyology

- Studied a new darter from the Upper Tennessee River Drainage.
- Collected freshwater fishes from Sumatra in collaboration with Indonesian scientists.
- Continued research project *All Catfish Species Inventory*.
- Curated Buck Island Reef Monument Bill Smith-Vaniz Cryptic Reef Fish collection.

### Florida Program for Shark Research

- Monitored, documented, evaluated and reported on shark attacks and other shark/human interactions on world-wide basis through Florida Museum International Shark Attack File.

- Involved in international conservation of sharks and rays through IUCN Shark Specialist Group and other initiatives, including co-organizing a fishery training workshop for West African biologists in Senegal.
- Helped orchestrate initial efforts at recovery of first federally endangered marine fish, the smalltooth sawfish.
- Developed bilateral Brazil-U.S. shark research initiative.
- Collaborated on federal fishery management plans for U.S. east coast sharks.
- Conducted *Project Shark Awareness* workshops for teachers and science educators throughout Florida, discussing shark biology, fisheries and conservation.

### Mammalogy

- Investigated host-specific parasites as markers of host evolutionary history.
- Continued research on co-speciation in primates and lice.
- Continued work on *BioCorder* project, a biodiversity inventory tracking system.
- Continued research on endangered Florida panthers, including the use of stable isotopes and Harris lines to assess their health and diet.
- Linked Florida Museum mammal database to MANIS, an international web portal for mammal collections.

### Ornithology

- Investigated avian diversity and habitat relationships in the U.S. Virgin Islands.
- Studied prehistoric diversity of vertebrates on Guam.
- Conducted paleontological and zooarchaeological studies of Neotropical birds ranging from Mexico to Bolivia.
- Continued study of systematics, biogeography and zooarchaeology of birds, with special focus on Trinidad and Tobago, the Turks & Caicos and the Bahamas.
- Collaborated on the *Northern Arawak Diaspora Project: Two Millennia of Pre-Columbian Landscape Alteration in Northeastern South America and the Caribbean*.
- Undertook Florida Fish and Wildlife Conservation Commission-sponsored project to enhance biological knowledge of Florida's birdlife through specimen salvage at wildlife rehabilitation clinics.
- Andrew Kratter served as contributor to the *46<sup>th</sup> Supplement to the American Ornithologists Union Check-List of North American Birds*.
- Jeremy Kirchman, Florida Museum graduate research assistant, received Ph.D. and was appointed Curator of Birds at the New York State Museum.



## Teaching:

### Courses

ANG 5162 Maya Archaeoastronomy and Ethnoastronomy, 3 credits  
 ANG 6186 Maya Zooarchaeology, 3 credits  
 ANG 6905 Individual Studies in Anthropology, 23 credits  
 ANG 6915 Research Projects in Social, Cultural, and Applied Anthropology, 3 credits  
 ANG 6945 Internship in Anthropology, 6 credits  
 ANG 6971 Research for Master's Thesis, 9 credits  
 ANG 7979 Advanced Research, 14 credits  
 ANG 7980 Research for Doctoral Dissertation, 18 credits  
 ANT 4905 Individual Research in Anthropology, 37 credits  
 ANT 4907 Research Projects in Anthropology, 7  
 ANT 4125/ANG 5324 Field Methods in Archaeology, 6 credits  
 ANT 4124/ANG 6905 Laboratory Methods, 3 credits  
 ARE 6973 Individual Project in Lieu of Thesis, 6 credits  
 ARH 6941 Supervised Internship, 3 credits  
 ART 6973 Individual Project in Lieu of Thesis, 15 credits  
 BOT 2710 Practical Plant Taxonomy, 3 credits  
 BOT 5115 Paleobotany, 3 credits  
 BOT 6735 Systematics Journal Club, 2 credits  
 BOT 6905 Individual Studies in Botany, 1 credit  
 BOT 6927 Advances in Botany, 3 credits  
 BOT 6971 Research for Master's Thesis, 7 credits  
 BOT 7979 Advanced Research, 17 credits  
 BOT 7980 Research for Doctoral Dissertation, 16 credits  
 EES 6405 Environmental Toxicology 3 credits  
 ENY 4905 Problems in Entomology, 1 credit  
 ENY 4905/6934 Biology of the Lepidoptera, 3 credits  
 GLY 6971 Research for Master's Thesis, 2 credits  
 PCB 6409 Seminar in Ecology, 1 credit  
 PCB 6605 Principles of Systematic Biology, 4  
 PCB 7979 Advanced Research, 1 credit  
 WIS 6971 Research for Master's Thesis, 5 credits  
 ZOO 2203C Invertebrate Zoology, 4 credits  
 ZOO 4472C Avian Biology, 4 credits  
 ZOO 4905 Individual Studies in Zoology, 4 credit  
 ZOO 6927/GLY 6932 Broader Impacts of Natural Science on Society, 2 credits  
 ZOO 5115C/GLY 6932 Vertebrate Paleontology, 3 credits  
 ZOO 5115C/GLY 6932 Vertebrate Paleontology: Fossil Record and the Evolution of Mammals, 3 credits  
 ZOO 6905 Individual Studies in Zoology, 11 credits  
 ZOO 6927 Methods of Phylogenetic Inference, 3 credits  
 ZOO 6971 Research for Master's Thesis, 11 credits  
 ZOO 7979 Advanced Research, 24 credits  
 ZOO 7980 Research for Doctoral Dissertation, 19 credits

**Graduate Committees Served: 126**

**Graduate Committees Chaired: 66**

**Independent Studies: 86**



## Research Locations:

### Florida

Alachua  
 Baker  
 Bradford  
 Brevard  
 Calhoun  
 Charlotte  
 Citrus  
 Clay  
 Collier  
 Columbia  
 Dade  
 De Soto  
 Dixie  
 Gilchrist  
 Hamilton  
 Hardee  
 Hillsborough  
 Lee  
 Levy  
 Manatee  
 Marion  
 Monroe  
 Okaloosa  
 Pinellas  
 Polk  
 Putnam  
 St. Johns  
 St. Lucie  
 Santa Rosa  
 Sarasota  
 Sumter  
 Suwannee  
 Union  
 Volusia

### International

Bahamas  
 Bolivia  
 China  
 Dominican Republic  
 Ecuador  
 France  
 Germany  
 Guatemala  
 Haiti  
 Honduras  
 Indonesia  
 Italy  
 Line Islands  
 Mexico  
 Netherlands Antilles  
 Peru  
 Puerto Rico  
 Trinidad  
 Turks & Caicos Islands  
 United Kingdom  
 US Virgin Islands

### Other States

Alabama  
 Arkansas  
 Georgia  
 Hawaii  
 Illinois  
 Iowa  
 Kansas  
 Massachusetts  
 Missouri  
 Montana  
 Nebraska  
 Oregon  
 South Carolina  
 Tennessee  
 Texas  
 Wyoming

## Grants:

*Florida Museum faculty and staff received 28 new grants in 2005-06 totaling \$2.1 million from the following sponsors:*

American Museum of Natural History  
 Evolving Earth Foundation  
 Florida Administration for Children & Families  
 Florida Department of Agriculture & Consumer Service  
 Florida Department of State  
 Florida Fish & Wildlife Conservation Commission  
 Lee County  
 National Science Foundation

Water Management Districts  
 University of Florida Foundation  
 University of Nevada  
 University of West Florida  
 U.S. Department of Agriculture  
 U.S. Department of Commerce  
 U.S. Department of the Interior



Japanese maple • *Acer palmatum*



## McGuire Center for Lepidoptera and Biodiversity

*The McGuire Center for Lepidoptera and Biodiversity acquired millions of butterfly and moth specimens last year, increasing the size of the collections housed at the Museum to an estimated eight million. The Museum acquired one of the largest private collections in the world from Germany, which included two million specimens and more than 40,000 Lepidoptera books and journals. McGuire Center faculty and staff spent many weeks packing, shipping and curating these specimens.*



Curators, other staff and graduate students also traveled to the western and northeastern U.S., Central and South America, Asia and Europe to collect thousands of new specimens, conduct research and attend scientific meetings and conferences.

The McGuire Center hosted a four-day combined meeting in June of the international Lepidopterists' Society, the Association for Tropical Lepidoptera and the Southern Lepidopterists' Society, which drew more than 300 participants. Curator Jacqueline Miller and other McGuire staff organized presentations, field trips and workshops for the meeting.

In April, assistant curator Keith R. Willmott organized the Andean Butterfly Biodiversity Workshop, which brought nearly 20 of the world's leading neotropical lepidopterists to plan an intensive professional curatorial training program in conjunction with major museums throughout South America.

McGuire staff also helped construct the new Florida Wildflower and Butterfly Garden west of the Museum and re-plant the north slope butterfly gardens between the Florida Museum and the Harn Museum of Art.

Assistant curator Jaret Daniels continued to direct the Miami Blue butterfly captive propagation program and led numerous trips to South Florida to release caterpillars of this endangered species back into the wild.







# Exhibits and Public Programs

*The Florida Museum's multi-year effort to complete its permanent exhibitions concluded last year, giving rise to a year celebrating accomplishments and hosting and developing temporary and traveling exhibitions. More than 202,000 individuals visited the Florida Museum last year, and its outreach programs touched more than 172,000 people.*

## Awards

The Southeastern Museums Conference awarded its annual and prestigious peer-juried "Award of Excellence" to the *Butterfly Rainforest* and *Butterfly Gallery* exhibits. Other permanent Florida Museum exhibits to win this award in previous years include *South Florida People and Environments* and *Florida Fossils: Evolution of Life and Land*.







### Temporary Exhibitions

*The Museum's 6,000-square-foot changing gallery had an active year of temporary exhibitions.*

- *Natural Curiosity: Artists Explore Florida*—This Florida Museum of Natural History summer exhibition featured paintings and sculptures from regional artists that highlighted natural Florida environments.
- In the fall, the Museum hosted the Smithsonian traveling exhibition *In Search of Giant Squid*. Just as the show opened, international media announced the first documented discovery of a giant squid in its natural environment, sparking extra interest and attention.
- Also in the fall, the Florida Museum opened another exhibition produced in-house. *Journal of Light: A Photographer's Search for the Soul of Florida* showcases the stunning natural history photographs of famed Florida photographer John Moran. This exhibition closed in May and began a multi-year tour to other museums.
- Spring ushered in the exhibition *Glow: Living Lights*, which centered on the natural marvel of bioluminescence. This interactive and family-friendly show from ExhibitsQ delighted children and families with the magic of animals that generate their own light.
- As the year closed, the Florida Museum opened its third in-house exhibition for 2005-06 – *Quilting Natural Florida*. This juried exhibit showcased more than 70 quilts with Florida natural history themes created by artists from Florida and several other states.



*In the Galleria, the Museum hosted a series of smaller temporary exhibitions, all created in-house:*

- Staff photographers Jeff Gage and Tammy Johnson captured science in action in *The Katharine Ordway Preserve*, which showed visitors a glimpse of this 9,300-acre natural area used for natural history research and teaching.
- Curator Gustav Paulay's stunning underwater photographs brought invertebrates to life in *Arms, Legs, and Tentacles: Invertebrate Life on Coral Reefs*.
- *In the Garden* featured lovely watercolors of Florida gardens by local artist Peg Richardson.
- *The Everglades Series* followed, with oil paintings and drawings by well-known artist Jerry Cutler – products of his time as Artist in Residence at Everglades National Park.



Other temporary exhibitions included the eighth-annual *Trashformations*, which highlights art made from recycled material by high school and college students. The Children's Natural History Gallery also hosted several exhibitions of Alachua County Schools student artwork related to the themes of the Museum's permanent and traveling exhibits.

## Educational Programming

*More than 34,000 visitors participated in an array of Florida Museum educational programs during 2005-06. These included curriculum-based tours for students, summer camps, outreach programs to schools and community centers, teacher and other adult workshops, weekday and weekend classes for children, and public events ranging from lectures to the annual Collectors Day.*

Museum education programs emphasize natural history topics, are designed around the collection strengths and staff expertise and are developed in response to needs articulated by our various audiences. Underpinning these objectives are the central notions that the Museum's education initiatives should engage diverse audiences and promote understanding of the processes and findings of science, specifically natural history. The Museum's education programs bridge our scientific research, fieldwork and collections and the public's interest and concern for Florida's past and future natural environments and cultural heritage.



## Public Programs

*Nearly 19,000 adults and children participated in public programming at the Museum.*

These activities included summer camps, adult workshops and classes, field trips, lectures, weekend and school holiday classes for kids and a preschool program for tots and parents. Adult classes ranged from Sunday afternoon lectures and one-day programs on *Edible Geography* to two-day workshops on Botanical Illustration. *Museum Nights* expanded to include special themed programming and the addition of *Science Movie Night*. The Museum added a new weekday program for preschoolers and their parents, *Wigglers & Walkers*, and a new weekend offering, *Let's Explore Science Series*.

The Museum's Public Programs also included annual and special events such as *Collectors Day*, *Celestial Celebrations*, *Earth Day* and *Family Days* at each exhibition opening. Attendance ranged from 500 to more than 3,000 visitors per event. During the summer, the Museum hosted a popular *Discovery Room* full of artifacts, materials and activities that encouraged family interaction and fun. The *Discovery Room* allowed Florida Museum Research and Collections staff to showcase some of the Museum's rarely seen specimens and talk with visitors about research and conservation efforts. The education department also received a \$16,000 gift from the Florida Museum Associates to help support the *Discovery Room* and *Discovery Carts*.





### Volunteers

*The Museum Volunteer Program also continues to grow, with nearly 300 volunteers contributing 42,400 hours during 2005-06.*

Participation in the Junior Volunteer Program for middle- and high-schoolers doubled from 30 to 70 students. These JVs are trained to work as interpreters at the *Discovery Room* and at *Discovery Carts* stationed throughout the Museum, as well as classroom assistants during kids classes and summer camps. Volunteers also participate in enrichment programs offered throughout the year, including 31 in 2005-06. These include training sessions on the permanent and temporary exhibits as well as effective techniques for engaging students in learning through objects and exhibits. From docents who work with our visiting school groups to individuals working behind the scenes in Research and Collections, volunteers provide a wealth of knowledge, expertise and time to the institution and its visitors. Docent Leslie Klein received the 2006 Florida Museum James Pope Cheney Volunteer of the Year Award for her 37 years of hard work and dedication.

### School Programs

*More than 15,000 pre-K through 12<sup>th</sup>-grade students participated in education programs at the Museum or through Inquiry Box outreach presentations at their schools.*

On-site offerings included docent-led tours of our permanent and temporary exhibition galleries, Home School courses such as *Fossils: Clues from the Past* and Outdoor Naturalist programs such as *Ecosystem Expedition* utilizing the Natural Area Teaching Lab south of the Museum. To accommodate the growing number of students attending field trips, the Museum added a *Large Group Tour* option to its guided programs. The offering was popular among teachers, with more than 3,100 visitors participating in *Large Group Tours*. This option allowed students to visit several of the permanent exhibits while interacting with docents at discovery stations throughout the Museum. Expansion of the Inquiry Box outreach program included the addition of two topics – *Butterflies and Moths* and *Geology of Florida* – as well as a revision of existing materials and activities. As in past years, the Florida Museum and the Samuel P. Harn Museum of Art collaborated with Alachua County Schools on the annual Educators Open House, which features the educational resources of the UF Cultural Plaza museums and other community agencies.



### Financial Assistance Programs

*The Florida Museum strives to make its exhibits and programs accessible to all visitors, regardless of socioeconomic status.*

Supported in-part by contributions from individuals, corporations and foundations, the Museum's assistance funds served more than 1,800 individuals. This includes assistance to attend summer camps and classes, and tickets to temporary exhibits and the *Butterfly Rainforest*.



## Office of Museum Technology

The Florida Museum web site, which contains more than 20,000 pages, experienced record visitation during 2005-2006 with more than 14 million visits and more than 231,000 collection database queries. Highlights include:

- Creating a database and web-based user interface for specimens received on long-term loan from the National Park Service and making this information compatible with other Florida Museum collections databases.
- Converting the Florida Museum's Invertebrate Paleontology, Vertebrate Paleontology and Mammals collections databases into formats that allow worldwide access.
- Beginning the Lepidoptera collection database project.
- Processing 1,464 help desk requests from Museum employees.

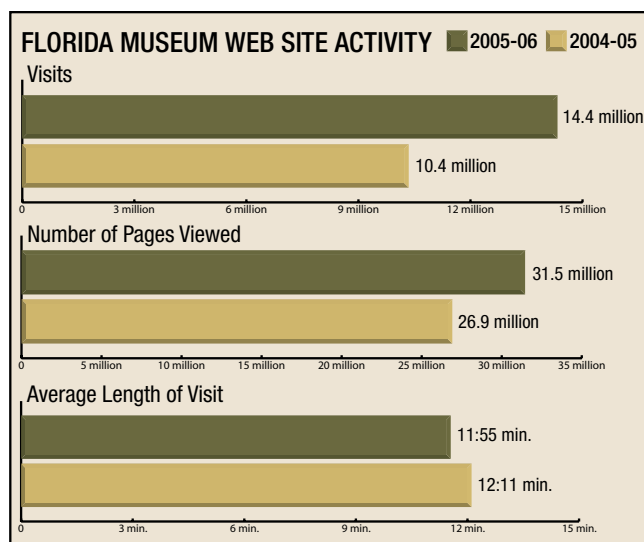


## Marketing & Public Relations

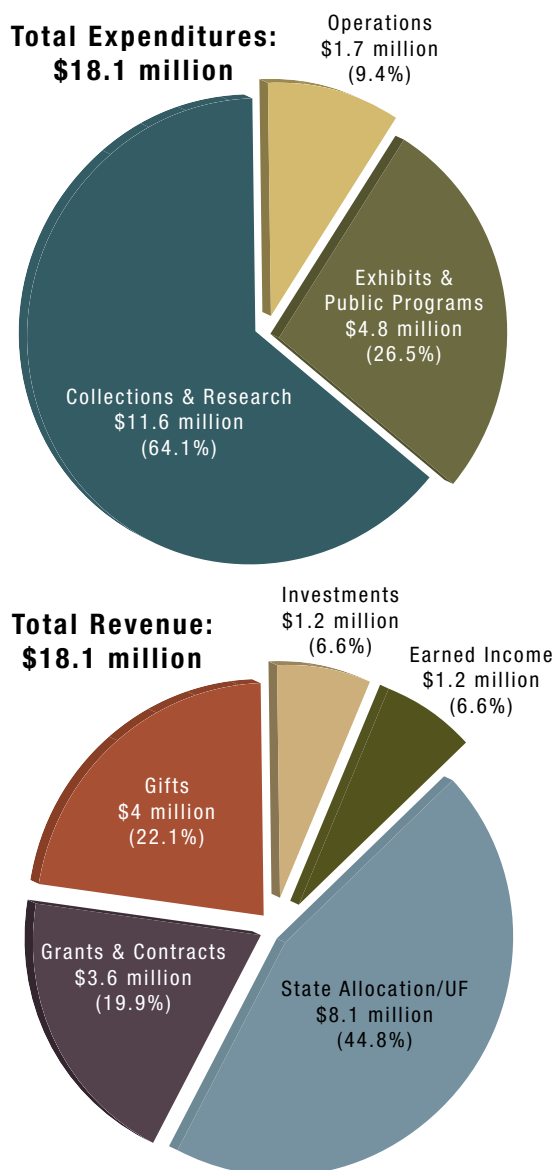
The Marketing and Public Relations Department, including Photography and Media Services, continues to increase its assistance to internal and external audiences. This includes support for the Museum's temporary and traveling exhibits programs, fulfilling audio-visual and other equipment requests in Powell and McGuire Halls, and providing photography and other public relations services throughout the Museum.

### Highlights include:

- Fulfilled 877 requests for information from journalists and other internal and external audiences.
- Planned and coordinated 51 media visits.
- Produced 103 press releases and media advisories and 104 advertisements in newspapers, magazines and other publications for various Museum activities.
- Received and tracked more than 175 media hits for the Museum, with a readership of more than 23 million.
- Coordinated and produced the Museum's four pages for 10 issues of *Natural History* magazine.
- Distributed Museum brochures at more than 475 locations on interstates 4, 10, 75 and 275 and U.S. 19 throughout central and north central Florida, and at all Florida Turnpike service plazas and Florida welcome centers.



## Financial Info FY 2005-2006





## Center for Informal Science Education

*The Florida Museum's Center for Informal Science Education garnered new funding and awards including:*

- A gift from the Thomas H. Maren Foundation to create the *Thomas H. Maren Museum Education Endowment* and support the Center's educational outreach programs.
- More than \$400,000 in grants to expand the *Marvelous Explorations through Science and Stories* program, including one of eight Administration for Children and Families awards from nearly 700 applicants nationwide. Project partners include Childhood Development Services, Inc. of Marion County, Marion County Public Library System, Silver River Museum and Environmental Education Center and Marion County Public Schools. The Florida Museum Associates and Sonny's of Ocala funded additional books and resources for the *MESS* units used in Marion County Head Start classrooms. *MESS* is a multi-faceted program that includes a science-centered curriculum, teacher training and coaching, and family engagement. Using a clinical trials methodology, *MESS* was implemented in 14 Head Start classrooms in Marion County. The three-year implementation award for Marion County *MESS* will total more than \$1.1 million.
- Additional funding from the Maren Foundation to provide Head Start Family Science Programs at 18 sites in Alachua and Marion counties. The programs engage families in hands-on activities and provide each with two science books.
- A \$158,560 General Program Support grant from the Florida Department of State to fund exhibit and education initiatives.



The Center also developed and piloted the *Project Butterfly WINGS Project Guide, Leader and Helper Guide* and web site with 4-H youth and leaders in 33 Florida counties. *Project Butterfly WINGS: Winning Investigative Network for Great Science* is a field- and web-based citizen project that engages 4-H youth in grades 4-8 in the study of butterflies. *WINGS* is a collaborative project with UF's Department of Wildlife Ecology and Conservation and 4-H, Florida Cooperative Extension Service funded by a three-year National Science Foundation grant.

The Center, in collaboration with the McGuire Center and IFAS Extension, completed initial work on the *Florida Wildflowers and Butterflies* brochure, web site, exhibit and demonstration garden. This project is funded by the State of Florida, Florida Wildflower Advisory Council and Florida Wildflower Foundation, Inc.

## Development

*The Florida Museum of Natural History is fortunate to have a remarkable and engaged family of donors and friends who recognize the importance of private giving to the Museum's success. Donations account for nearly one quarter of the Museum's annual budget and are a key factor in the Museum's ability to fulfill its mission. Most importantly, private gifts will continue to provide the margin needed to create new programs or expand existing ones to meet current needs.*

Endowments are critical for providing a reliable and permanent income stream to support the Museum's activities and are eligible for state matching. Several significant gifts were received, including a donation of \$500,000 to support shark research, which is important due to the rapid demise of worldwide shark populations. A \$400,000 gift from the Thomas H. Maren Foundation is designated for the Center for Informal Science Education's *Marvelous Explorations through Science and Stories* program, which encourages reading and science skills in young children enrolled in Head Start.

The Florida Museum continued its partnership with the Samuel P. Harn Museum of Art and the Curtis M. Phillips Center for Performing Arts in presenting the third joint fundraiser, *Motown at the Cultural Plaza*, on January 21, 2006. Featuring the Funk Brothers, the studio musicians who worked with most Motown artists and created more No. 1 hits than the Beatles, Beach Boys, Elvis and Rolling Stones combined, the evening was a tremendous success and raised nearly \$100,000. The Florida Museum looks forward to future collaborations with our sister institutions and also to the return of our own Passport gala in 2007!

The Museum's Membership Program is thriving under the guidance of Leslie Campbell. With nearly 830 members, this group supports both research and public programs. Member previews for *In Search of Giant Squid*, *Glow: Living Lights* and *Quilting Natural Florida* were all well-attended. The Museum is seeking ways to make membership even more rewarding and plans to offer additional member benefits in the coming year.



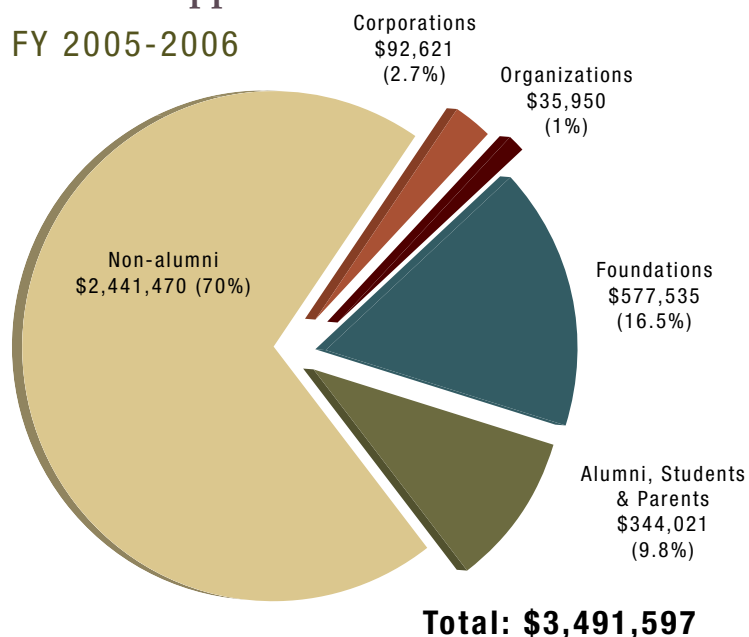
As we look to the future, several priorities will guide the Museum. The basis for all of our activities lies in the collections, which are an international treasure. To ensure adequate funding for maintenance, curatorial activities and data base growth, the Museum is seeking collections endowments for each department. In addition, training students is one of the Museum's highest priorities. Funding to support their laboratory research and travel is sorely needed, as are funds to support international students.

The Museum also hopes to build an auditorium and education wing at Powell Hall. With all classes at maximum enrollment and our public lectures over capacity, the time is right to expand the facility and meet the community need for science and education programming.

The Florida Museum is excited by its progress and vision for future growth and expansion. By building upon the solid base already created by friends and donors, the Museum hopes to continue that support and reach others who care about the environment and diversity of life on earth, and who want to join us as we strive to understand and protect both.

## Private Support

FY 2005-2006





# 2005-2006 Honor Roll of Donors



flowering maple • *Abutilon striatum*

## GIFTS OF \$500,000 OR MORE

Robert C. & Ana M. Dorion

## GIFTS OF \$100,000 OR MORE

Thomas H. Maren Foundation

## GIFTS OF \$50,000 OR MORE

Charles H. & Wanda N. Denny (C, M)  
William W. & Nadine M. McGuire  
Family Foundation

## GIFTS OF \$10,000 OR MORE

Gladys G. Cofrin  
Peter DeSorcy  
Elizabeth Ordway Dunn Foundation, Inc.  
Mr. & Mrs. Wesley R. Edens  
The Hough Family Foundation, Inc. (M)  
William P. & Cheryl S. Jones  
Marc A. Letellier  
Maple Hill Foundation (R)  
Paul F. & Ella Warren Miller (R)  
The Museum Collectors Shop, Inc.  
William D. & Sandra T. Olinger (F, M)  
Jeffrey M. Siegal  
James K. & Lori M. Toomey (F)

## GIFTS OF \$5,000 OR MORE

John & Gretchen Coyle (R)  
James H. Hecht  
Dr. Madelyn M. Lockhart (M)  
J. W. Nixon  
Howard B. Spey  
Wachovia Foundation  
Mr. Mack L. Whittle, Jr.

## GIFTS OF \$2,500 OR MORE

Alyce B. Boyd (M)  
Chris C. & Gayle P. Bundschu (R)  
Sheila K. Dickson (M)  
Michael M. Dion  
C. Alexander & Elaine S. Elliott-Moskwa  
Florida Anthropological Society, Inc. (R)  
Richard L. & Mary Ann Green (C)  
Peggy W. & W. Marvin Gresham (M)  
Harriett P. Hulbert  
Richard C. Hulbert, Jr.  
IBM Corporation (\*)  
John W. & Peggy B. Kirkpatrick (F, M)  
Susan V. Palmer (M)  
Pamphalon Foundation, Inc. (C)  
Armistead D. & Julie Puryear  
Toomey Foundation for the  
Natural Sciences

## GIFTS OF \$1,000 OR MORE

Mr. & Mrs. Edward J. Amsler (R)  
Mr. & Mrs. Lawrence E. Aten (R)  
Mr. & Mrs. Garfield Beckstead (R)  
Kenneth I. & Laura L. Berns (C)  
David T. & Carolyn T. Brown (C)  
The Bonita Bay Group (R)  
Jane W. Burnette (C)  
Burns Brothers, Inc. (F, M)  
Joseph C. & Virginia J. Cauthen (F, M)  
David R. & Jacklyn A. Challoner (C)  
David R. & Marion F. Colburn (C)  
John Conroy (R)  
Charles V. & Elizabeth B. Covell (\*, M)  
Carol A. Crevasse (F, M)  
Kathleen A. Deagan &  
Lawrence D. Harris (F)  
Sarah B. & Joshua C. Dickinson III (\*, C)  
The Hon. Joseph A. &  
Lynn H. Domenech (\*)  
Mary Polly French & Paul L. Doughty (M)  
Ehrhart Family Foundation  
Florida Paleontological Society, Inc.  
Leonard T. & Elizabeth T. Furlow (F, M)  
Christopher M. James &  
Cynthia Frenchman (M)  
Bernard Johnson (R)  
Douglas S. & Sheila H. Jones (\*, F, M)  
Kelly Foundation, Inc.  
Paul A. & Leslie R. Klein (M)  
David & Claudia Ladensohn (M)  
Judy L. Locascio (\*, M)  
J. Bernard & Christine A. Machen (M)  
Kenneth R. & Linda C. McGurn (F)  
Mark W. Meisel & Anna-Lisa Paul (C)  
Lee D. & Jacqueline Y. Miller (\*, F)  
Ann E. & Geoffrey W. Moore (M)  
North Central Florida Region-AACA  
Penniman Foundation Charitable Trust (R)  
Marshall E. Rinker, Sr.  
Foundation, Inc. (M)  
Rodent Pro.Com LLC  
John S. Scherlis  
Sear Family Foundation (R)  
Shands at the University of Florida (F)  
Harvey M. Budd &  
Ilene Silverman-Budd (\*, M)  
Richard T. & Jean W. Smith  
Robert B. Spangenberg (C)  
C. Frederick & Aase B.  
Thompson Foundation (M)  
Tolbert Environmental Design  
Uniforce Sales & Engineering  
Daniel B. Ward  
Howard V. & Camilla B. Weems (C)  
Ronald G. & Patricia D. Zollars (M)  
Zoo Med Laboratories, Inc.

## GIFTS OF \$500 OR MORE

Mr. & Mrs. Peter A. Bergsten (R)  
Anne K. & Robert E. Boomer (R)  
California Zoological Supply  
Campus USA Credit Union  
Richard L. & Gloria A. Comstock (\*)  
Donald A. Czerwinski (R)  
Mark F. Dean (R)  
Desoto Veterinary Services (C)  
Lammot duPont (R)  
Frey Foundation  
Margaret Maples & Charles H.  
Gilliland, Sr. (C)  
Greater Pine Island Chamber of  
Commerce (R)  
Jamie M. Grooms & Lisa A.  
Wasshausen (C)  
A. William & Edna S. Hager (R)  
Mr. & Mrs. William C. Hillegass (\*)  
Robert D. & Lynne W. Holt (C)  
Honc Marine Contracting, Inc. (R)  
Stephen W. Kent (R)  
LASCO, Inc.  
John V. & Cathryn L. Lombardi (C)  
William H. Marquardt (\*, R)  
Mary S. May (C)  
Joan M. McMahan (R)  
Michael P. & Becky A. Moulton  
Joyce C. Mutz (R)  
A. Darlene & Jeffrey L. Novak (\*)  
John A. & Lynne M. Paeno (R)  
Annette L. Perry (C)  
Susan P. & Paul A. Robell (C)  
Edith K. & Arlan L. Rosenbloom (C)  
Bob Rude Structures, Inc. (R)  
Beverly S. & Jon F. Sensbach (C, R)  
Mr. & Mrs. Stephen D. Tutko (R)  
R. Bruce Williams & Carol Byrne (R)  
Victor M. Yellen & Arlene C.  
Huszar (F, M)

Mr. & Mrs. William J. Booth  
BowTie, Inc.  
Branford Elementary School  
William E. & Marica E. Brant (\*)  
Joseph P. Brinton III (R)  
H. Jane Brockmann & Thomas D. Rider (\*)  
Myron A. & Louise W. Brown (\*)  
Robin C. Brown (R)  
Mr. & Mrs. Henry Browne (R)  
Robert A. & Kathryn W. Bryan (\*)  
George H. & Linda S. Burgess (\*)  
Barry J. & Laura J. Byrne (\*)  
Dr. & Mrs. John W. Caffey (\*)  
The Capstone Group (R)  
Cecilia A. & Donald Caton (\*)  
Ramona M. & The Hon.  
Chester B. Chance  
Jefferson Chapman (R)  
Priscilla R. Cheney  
Mary F. & Charles E. Cichra (\*)  
Patrick T. & Cynthia R. Cimino (\*)  
Coastplan, Inc. (R)  
Columbia High School  
Commonwealth Bank of Australia  
Ann S. Cordell (\*, R)  
Lionel L. & Dorothy D. Cornell (\*)  
Richard B. & Catherine A. Crandall (\*)  
Creative Differences Productions, Inc.  
Tamara N. Croy (\*)  
James G. Cusick (\*)  
William W. & Mary S. Czerwinski (R)  
James W. & Geraldine J. Daly (\*)  
Daniel Davidsohn & Rosemary Filippi  
Mr. & Mrs. Cody F. Davis (R)  
Mrs. Lou DeLaney (\*)  
Delectable Collectables  
Paul M. & Carlotta P. Dicker  
Sarah D. & Joshua C. Dickinson, Jr.  
Mr. & Mrs. Robert A. Diedrich  
Eva A. Dimitrov & James C. Betz (\*)  
Barbara B. Dobbs (R)  
J. Lee & Barbara K. Dockery (\*)  
Audrey E. Clark & Richard C. Doenges (\*)  
Paul R. & Mary S. Douglass (R)  
Ian & Susan B. Duvenhage (\*)  
Ecosystem Specialists (R)  
Edison Garden Club (R)  
Mr. & Mrs. Arthur S. Edison (\*)  
George H. & Leonora Edwards (\*, R)  
Karen Eggeling  
Mary Lou & Donald V. Eitzman (\*)  
Janet M. Elliot (\*)  
Angela J. Enzweiler (\*)  
Robert J. & Donna M. Epting (\*)  
David H. & Mrs. Jean R. Evans (\*)  
Barbara W. Fearney (\*)  
Florida Anthropological Society  
Floyd's Foods LLC  
Janie M. Fouke (\*)  
Mr. & Mrs. J. Robin Fox (R)  
Laurel J. & Howard G. Freeman (\*)  
John W. & Leilani S. Freund  
Mr. & Mrs. Michael L. Funston (\*)  
Gaea Guides (R)  
Gainesville Area Parents of Twins Club  
Marc A. Gale (\*)  
Gatewood Custom Carpentry, Inc. (R)

Gator Swim Club  
Mr. & Mrs. Johnny W. Gay  
Genesis Design & Construction, Inc.  
Ira H. & Gerri E. Gessner (\*)  
Nancy H. & Carter R. Gilbert (\*)  
Laura L. Gillman (\*)  
Mrs. Anina Hills Glaize (R)  
Nancy Glickman (R)  
Samuel H. & Deborah L. S. Goforth (\*)  
Gopher Tortoise Council, Inc.  
Elsbeth K. & Michael W. Gordon (\*)  
Barbara L. Hackett (\*)  
Barbara A. & Carl A. Harcourt (R)  
Jeffrey L. & Sarah W. Harrison (\*)  
Lisa Harrison & John J. Howard  
Russell C. & Janet B. Hart  
Gene W. & Evelyn H. Hemp (\*, R)  
Erika R. Henderson  
The Hendry Law Firm, P.A. (R)  
Barbara D. Herbstman (\*)  
John W. & Lynn S. Hermanson (\*)  
Catherine A. House (R)  
Prof. E. L. Roy Hunt (\*)  
David P. Hurst (R)  
Robert T. & Donna M. Ing (\*)  
Mr. & Mrs. Thomas A. Joseph (R)  
Juri V. Kaude  
Mrs. Jean W. Kaufman (\*)  
Malcolm C. & Susan King (\*)  
Carole A. & Dudley P. Kircher (R)  
Suzanne R. & Kenneth B. Kirkpatrick (\*)  
Mr. & Mrs. Robert N. Kish (R)  
Joseph L. & Ann Knapp (\*)  
Ronald M. & Mary M. Koontz (R)  
Matthew B. & Tanya M.  
Koropeckyj-Cox (\*)  
Robin C. Krivanek &  
John E. McAllister (R)  
Raymond A. Larue III (\*)  
Marion M. Lasley (\*)  
Mark Lawrence & Shi A. Breedlove (\*)  
Holly A. McDonald Leber &  
Christopher M. Leber (\*)  
Dennis G. & Caridad E. Lee (\*)  
Lynn W. & Paul W. Lefebvre (\*)  
Frank J. Lepreau, Jr.  
Janet E. Levy (R)  
Norman S. & Roslyn F. Levy (\*)  
Lifelong Learning Institute, Inc. (R)  
Jason F. Lue  
Michel A. & Mary C. Lynch (\*)  
Darcie A. MacMahon &  
David P. Harlos (\*, R)  
Mr. & Mrs. Gary Maier (\*)  
Manley Built Construction (\*)  
Edith Marquardt-Cuda (\*, R)  
Jonathan B. & Ellen E. Martin (\*)  
Suzanne T. Mastin (\*)  
Oliverne M. Mattson (\*)  
Mr. & Mrs. Alan J. McBean (R)  
Mr. & Mrs. F. Jack McCombs (\*)  
Donald E. & Mary Jane McGlothlin (\*)  
Liz M. & J. David McGonagle (\*)  
Elaine M. McLaughlin (R)  
Mr. & Mrs. Robert N. McQueen (R)  
Rick Medina & Teina M. Phillips (\*)  
Medstar Medical

James A. & Mary Lou Merkner (\*)  
William A. & Lou A. Messina (\*)  
Jerald T. Milanich & Maxine L.  
Margolis (\*, R)  
Susan Milbrath & Mark Brenner (\*, R)  
Ellen L. & Gary J. Miller, Ph.D. (\*)  
Mr. & Mrs. Robert P. Mooney (R)  
Barbara W. Mulle (R)  
Carolyn M. Murphey (R)  
Barbara P. & Earle E. Muschlitz, Jr. (\*)  
Christine L. & Philip S. Neuhoﬀ  
Mr. & Mrs. J. William Newbold (R)  
Max A. Nickerson  
June M. Nogle (\*)  
John C. & Nina K. Norris (\*)  
North Florida Regional Medical Center  
Mr. & Mrs. Daniel E. O'Connell (R)  
Sandra J. & M. Jack Ohanian (\*)  
Faith M. & David H. Oi (\*)  
Robin S. Olds  
Anne M. Orlando & Paul J. Wales (\*)  
James A. & Suzanne L. Orr (\*)  
Mr. & Mrs. Bill E. Parker  
Mr. & Mrs. Vernon E. Peeples (R)  
David A. & Darbee S. Percival (R)  
Mr. & Mrs. Jeff Petruy (\*)  
Philips Electronics North America Corp. (R)  
Rhonda G. Phillips & Jay M. Stein (\*)  
Thomas M. & Kenni W. Pinckard (\*)  
Patricia & Jim Pochurek (\*)  
Bill & Norma Pretsch (R)  
Quilters of Alachua County Day Guild  
Karen B. & Paul E. Ramey (\*)  
Kenneth H. & Colleen S. W. Rand (\*)  
Randell Research Center Advisory  
Board (R)  
Donald M. & Linda L. Reed (\*)  
Reptile Industries, Inc.  
Michael B. & Jaquelyn L. Resnick (\*)  
Anne D. & Charles L. Reynolds, Jr. (R)  
Peggy A. Richardson (\*)  
Richard V. & Bettie L. Rickenbach (\*)  
Mr. & Mrs. William F. Roberts (\*)  
William A. & Edda D. Ross (\*)  
Richard E. & Ellen W. Roundtree (\*)  
Mr. & Mrs. Glenn K. Rousseau (\*)  
Donna L. Ruhl (\*, F, R)  
G. E. & Wunhild Ryschkewitsch (\*)  
Arthur W. & Phyllis P. Saarinen (\*)  
William R. & Linda C. Sabis  
Sanibel School (R)  
Carolyn E. Scheaﬀer (\*)  
Mr. & Mrs. Gary W. Schmelz  
William M. Schneikart  
Mr. & Mrs. Karl F. Schroeder (R)  
Graig D. & D. Kris Shaak (\*, F, R)  
Charles V. & Onyx G. Shaffer (\*)  
Joseph W. & Anne R. Shands (\*)  
Mr. & Mrs. James O. Shimeall (\*)  
Celeste A. & Glenn A. Shitama (\*)  
Silver River Museum  
Robert N. & Beverly T. Singer (\*)  
Linda L. & George T. Singleton (\*)  
Lt. Col. John C. & Glenda L. Sirmans (R)  
Patricia F. & Grover C. Smart, Jr. (\*)  
Douglas L. Smith & Elizabeth A. Davis (\*)  
Eileen McCarthy & Jack R. Smith (\*)

Brenda B. & Robert South (R)  
Craig S. Sparks (R)  
Mr. & Mrs. Theodore D. Spiker (\*)  
Mr. & Mrs. Stuart L. Stauss (\*, R)  
David W. Steadman (\*)  
Nikki Stein (R)  
Timothy B. Strauser & Marcella C.  
Wilson (\*)  
Strictly Reptiles, Inc.  
Anthony W. & June M. Sullivan (\*)  
Barbara L. & G. Robert Sumwalt (R)  
James L. & Alice Talbert (\*)  
Tampa Bay Fossil Club, Inc.  
Catherine C. Tarbox  
Teague Middle School  
Mr. & Mrs. Joseph Thomas (\*)  
Thomson Learning  
Mr. & Mrs. Michael Toomey (\*)  
Barbara L. Troendle  
Marilyn L. & George F. Tubb (\*)  
W. H. & Marie R. Tuck (\*)  
Linda S. & Thom L. Tyler (\*)  
John F. & Tracey L. Valentine (\*)  
Mr. & Mrs. Walter E. Volkmann  
Ruth H. Wallbrunn (\*)  
Wilse B. & Mary H. Webb (\*)  
Daniel W. & Marcia E. Welch (\*)  
Cynthia M. Weygant & Gary S.  
Edinger (\*)  
Mary A. & Neil L. White (\*)  
N. Albert & Meredith  
Whittington-Bacharach (\*)  
Laurie Wilkins  
Judith A. Williams (R)  
Dr. & Mrs. Norris H. Williams (\*, F)  
George R. Campbell & Ann L.  
Winterbotham (R)  
Victoria T. & William G. Winterer (R)  
May R. Winters (\*)  
William P. & Ann S. Wollschlager (\*, R)  
Beth C. Wood (\*)  
Charles E. & Maureen K. Wood (\*)  
Laura M. Wright & Paul Coia (\*)  
Michael C. & Susan B. Wright (\*)  
Tammy G. & Thomas W. Wright, M.D. (\*)

## GIFTS-IN-KIND OR COLLECTIONS:

Richard A. Anderson  
George T. Austin  
Bruce M. Boyd  
Charles V. Covell, Jr.  
Jack H. Cox, Jr.  
Joshua C. Dickinson, Jr.  
Robert C. Eisele  
Shari A. Ellis  
Founders Club Development Co. LLC  
The Gainesville Sun  
Garden Gallery  
Lawrence E. Gilbert  
Bruce M. Harris  
Donald J. Harvey  
Richard L. Hesterberg  
Robert C. Hollister  
Cecil Kersting  
Bernarr R. Kumashiro  
William W. McGuire

Marc C. Minno  
W. Jeffrey Mudgett  
John Nordin  
Austin P. Platt  
Floyd W. Preston  
Donna Rada  
Roy W. Rings  
Joan E. Rothrock  
Patrick J. Savage  
Dale W. Schneider, Inc.  
James D. Shull  
Mark J. Simon  
Jon D. Turner  
Thomas Turner  
Valerie Warren  
S. David Webb

## GIFTS IN HONOR OR MEMORY OF:

Katelyn Joy Derstine  
Adrian Filippi  
Wetona "Toni" Vernon Fitzpatrick  
Justin Moore  
David Thompson  
Allan Wilby  
Anne Christine Wilby

## 2005-2006 FLORIDA MUSEUM ASSOCIATES BOARD

Ray Cauthon  
Jacki Challoner  
Joyce Daniels  
Barbara Emmer  
Mary Ellen Funderburk  
Libby Furlow  
Sam Goforth  
Elise Gresham  
Malcolm King  
Peggy Kirkpatrick  
Suzanne Kirkpatrick  
Leslie Klein  
Carrie Lee  
Roslyn Levy  
Judy Locascio  
Ken McGurn  
Rick Medina  
Bill Olinger  
Kirk Ruth  
Jim Shimeall  
Ilene Silverman, *President*  
Beverly Singer  
Aase Thompson  
Marie Tuck  
Deborah Usher  
Lisa Wasshausen  
Victor Yellen

### CODE:

\* = Museum Associate  
C = Curators Society  
F = Founders Society (gifts this fiscal year)  
M = Monarch Society  
R = Randell Research Center



# PUBLICATIONS

## Peer-Reviewed and Other Scientific Publications:

Banks, R.C., C. Cicero, J.L. Dunn, A.W. Kratter, P.C. Rasmussen, J.V. Remsen, Jr., J.A. Rising, and D.F. Stotz. 2005. Forty-sixth supplement to the American Ornithologists' Union check-list of North American birds. *Auk* 122:1026-1031.

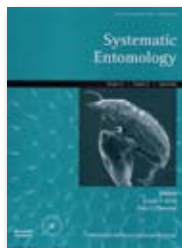


Bell, C.D., D.E. Soltis, and P.S. Soltis. 2005. The age of the angiosperms: a molecular timescale without a clock. *Evolution* 59:1245-1258.

Blanco, M.A., W.M. Whitten, D.S. Penneys, N.H. Williams, K.M. Neubig, and C.L. Endara. 2006. A simple and safe method for rapid drying of plant specimens using forced-air space heaters. *Selbyana* 27:83-87.

Blanco, M.A., W.M. Whitten, N.H. Williams, and S. Koehler. 2006. Capillitial extrusion from fruits of *Maxillaria nardoides* (Orchidaceae: Maxillariinae). *Lindleyana* 75(9):684-691.

Bloch, J.I. and M.T. Silcox. 2006. Cranial anatomy of *Carpolestes simpsoni* (Mammalia, Primates) using ultra high-resolution X-ray computed tomography, and the relationships of plesiadapiforms to Euprimates. *Journal of Human Evolution* 50:1-35.

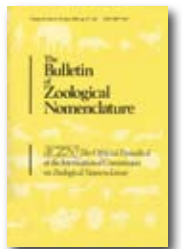


Brower, A.V.Z., A.V.L. Freitas, M.-M. Lee, K.L. Silva Brandão, A. Whinnett, and K.R. Willmott. 2006. Phylogenetic relationships among the Ithomiini (Lepidoptera: Nymphalidae) inferred from one mitochondrial and two nuclear gene regions. *Systematic Entomology* 31:288-301.

Burgess, G.H., L.R. Beerkircher, G.M. Cailliet, J.K. Carlson, E. Cortés, K.J. Goldman, R.D. Grubbs, J.A. Musick, M.K. Musyl, and C.A. Simpfendorfer. 2005. Is the collapse of shark populations in the northwest Atlantic Ocean and Gulf of Mexico real? *Fisheries* 30(10):19-26.

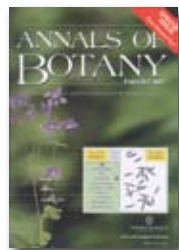
Burgess, G.H., L.R. Beerkircher, G.M. Cailliet, J.K. Carlson, E. Cortés, K.J. Goldman, R.D. Grubbs, J.A. Musick, M.K. Musyl, and C.A. Simpfendorfer. 2005. Reply to "Robust estimates of decline for pelagic shark populations in the northwest Atlantic and Gulf of Mexico." *Fisheries* 30(10):30-31.

Buzgo, M., P.S. Soltis, and D.E. Soltis. 2005. The making of the flower. *The Biologist* 52:149-154.



Calhoun, J., L.D. Miller, and J.Y. Miller. 2005. *Melitaea nycteis* Doubleday, 1847 (currently *Chlosyne nycteis*; Insecta, Lepidoptera): proposed conservation of the specific name. *Bulletin of Zoological Nomenclature* 62(2):79-83.

Carlswald, B.S., W.M. Whitten, N.H. Williams, and B. Bytebie. 2006. Molecular phylogenetics of Vandae (Orchidaceae) and the evolution of leafless. *American Journal of Botany* 93:770-786.



Chase M.W., L. Hanson, V.A. Albert, W.M. Whitten, and N.H. Williams. 2005. Life history evolution and genome size in subtribe Oncidiinae (Orchidaceae). *Annals of Botany* 95:191-199.

Chapa-Vargas, L. and S.K. Robinson. 2006. Nesting success of a songbird in a complex floodplain forest landscape in Illinois, USA: local fragmentation vs. vegetation structure. *Landscape Ecology* 21:525-537.

Deagan, K.D. 2006. A retrospective history of academic archaeology in St. Augustine, 1972-2005. *El Escrivano* 43:3-13.

Dilcher, D.L. and T.A. Lott. 2005. A middle Eocene fossil plant assemblage (Powers Clay Pit) from western Tennessee. *Bulletin of the Florida Museum of Natural History* 45(1):1-43.

Dilcher, D.L. and T.A. Lott. 2005. Plant atlas. pp 339-365 in R.J. Buta, A.K. Rindsberg, and D.C. Kapaska-Merkel, eds. *Pennsylvanian Footprints in the Black Warrior Basin of Alabama*, Monograph No. 1. Alabama Paleontological Society, Birmingham, AL.

Dilcher, D.L., T.A. Lott, and B.J. Axsmith. 2005. Fossil plants from the Union Chapel Mine, Alabama. pp. 153-168 in R.J. Buta, A.K. Rindsberg, and D.C. Kopaska-Merkel, eds. *Pennsylvanian Footprints in the Black Warrior Basin of Alabama*, Monograph 1. Alabama Paleontological Society, Birmingham, AL.

Dilcher, D.L., M.E. Bernardes-de-Oliveira, D. Pons, and T.A. Lott. 2005. Welwitschiaceae from the Lower Cretaceous of northeastern Brazil. *American Journal of Botany* 92(8):1294-1310.

Donders, T.H., F. Wagner, D.L. Dilcher, and H. Visscher. 2005. Mid- to late-Holocene El Niño-southern oscillation dynamics reflected in the subtropical terrestrial realm. *Proceedings of the National Academy of Sciences* 102(31):10904-10908.

Edwards, C.E., D.E. Soltis, and P.S. Soltis. 2006. Molecular phylogeny of *Conradina* and other scrub mints (Lamiaceae) from the southeastern USA: evidence for hybridization in Pleistocene refugia. *Systematic Botany* 31:191-205.

Emery, K.F. and K. Aoyama. 2005. La elaboración de herramientas de hueso en los grupos domésticos de la elite Maya de Aguatca, Guatemala. Chapter 77, pp. 1-18 in J.P. Laporte, B. Arroyo, and H.E. Mejía, eds. *XVII Simposio de Investigaciones Arqueológicas en Guatemala, 2004*. Instituto de Antropología e Historia, Guatemala. [http://www.famsi.org/reports/03101es/77emery\\_aoyama/77emery\\_aoyama.pdf](http://www.famsi.org/reports/03101es/77emery_aoyama/77emery_aoyama.pdf).



Feranec, R.S. and B.J. MacFadden. 2006. Isotopic discrimination of resource partitioning among ungulates in C3 dominated communities from the Miocene of Florida and California. *Paleobiology* 32:190-205.

Fibiger, M. and P.Z. Goldstein. 2005. New Subtribe. p. 182 in A. Zilli, L. Ronkay, and M. Fibiger, eds. *Noctuidae Europaeae Vol. 8 Apameini*. Entomological Press, Sorø, Denmark.

Fibiger, M.A. Zilli, L. Ronkay, and P.Z. Goldstein. 2005. New Genus. pp. 109-112 in A. Zilli, L. Ronkay, and M. Fibiger, eds. *Noctuidae Europaeae Vol. 8 Apameini*. Entomological Press, Sorø, Denmark.

Fowler, S.L., R.D. Cavanagh, M. Camhi, G.H. Burgess, G.M. Cailliet, S.V. Fordham, C.A. Simpfendorfer, and J.A. Musick. 2005. *Sharks, Rays and Chimaerae: The Status of the Chondrichthyan Fishes*. IUCN/SSC Shark Specialist Group. Gland, Switzerland and Cambridge, UK.

Franz, R. and I.R. Quitmyer. 2005. A fossil and zooarchaeological history of the gopher tortoise (*Gopherus polyphemus*) in the southeastern United States. pp. 179-200 in R. Hulbert, G. Morgan, and J.A. Baskin, eds. *Cenozoic vertebrates of the Americas: Papers to Honor S. David Webb*. *Bulletin of the Florida Museum of Natural History* 45(4).

Garzione, C.N., P. Molnar, J.C. Libarkin, and B.J. MacFadden. 2006. Rapid late Miocene rise of the Bolivian altiplano: evidence for removal of mantle lithosphere. *Earth and Planetary Science Letters* 241:543-556.

Goldstein, P.Z. and M.F. Fibiger. 2005. Biosystematics and evolution of the *Apameini*: A global synopsis. pp. 15-23 in A. Zilli, L. Ronkay, and M. Fibiger, eds. *Noctuidae Europaeae Vol. 8 Apameini*. Sorø, Denmark. Entomological Press.

Gould, G.C. and I.R. Quitmyer. 2005. *Titanis walleri*: bones of contention. pp. 201-230 in R.C. Hulbert, G.S. Morgan, and J.A. Baskin, eds. *Cenozoic Vertebrates of the Americas: Papers to Honor S. David Webb*. *Bulletin of the Florida Museum of Natural History* 45(4).



Green, J.L. and R.C. Hulbert. 2005. The deciduous premolars of *Mammot americanum* (Mammalia, Proboscidea). *Journal of Vertebrate Paleontology* 25(3):702-715.

Greer, A.E. and K. Auffenberg. 2006. Studies on Pakistan lizards: observations on the scincid lizard *Eurylepis taeniolatus* (Blyth, 1854). *Hamadryad* 30(1-2):92-101.

Hall, J.P.W. and K.R. Willmott. 2005. A new species of *Paivaarria* (Lepidoptera: Lycaenidae: Eumaeini) from western Ecuador. *Proceedings of the Entomological Society of Washington* 107(4):960-967.

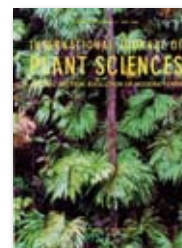
Hazin, F.H.V., A.F. Fischer, M.K. Broadhurst, D.P. Veras, P.G.V. Oliveira, and G.H. Burgess. 2006. Notes on the reproduction of *Squalus megalops* off northeastern Brazil. *Fisheries Research* 79:251-257.

Henry, T.J., C.V. Covell, Jr., and A.G. Wheeler. 2005. The plant bugs, or Miridae (Hemiptera, Heteroptera), of Kentucky. *Journal of New York Entomological Society*. 113(1-2):24-76.

Hoover, J.P. 2006. Water depth influences rates of nest predation for a wetland-dependent bird, the Prothonotary Warbler. *Biological Conservation* 127:37-45.

Hoover, J.P. and M.J. Reetz. 2006. Brood parasitism increases provisioning rate, and reduces offspring recruitment and adult return rates, in a cowbird host. *Oecologia* 149:165-173.

Hoover, J.P., K. Yasukawa, and M.E. Hauber. 2006. Spatially and temporally structured avian brood parasitism affects the fitness benefits of hosts' rejection strategies. *Animal Behaviour* 72:881-890.



Hu, S., D. Dilcher, H. Schneider, and D.M. Jarzen. 2006. Eusporangiate ferns from the Dakota Formation, Minnesota, USA. *International Journal of Plant Sciences* 167(3):579-589.

Hulbert, R.C. 2005. Late Miocene *Tapirus* (Mammalia, Perissodactyla) from Florida, with description of a new species, *Tapirus webbi*. pp. 465-494 in R.C. Hulbert, G.S. Morgan, and J.A. Baskin, eds. *Cenozoic Vertebrates of the Americas: Papers to Honor S. David Webb*. *Bulletin of the Florida Museum of Natural History* 45(4).

Hulbert, R.C. and F.C. Whitmore. 2006. Late Miocene mammals from the Mauvilla local fauna, Alabama. *Bulletin of the Florida Museum of Natural History* 46(1):1-28.

Hulbert, R.C., N.J. Czaplewski, and S.D. Webb. 2005. New records of *Pseudhipparion simpsoni* (Mammalia, Equidae) from the late Hemphillian of Oklahoma and Florida. *Journal of Vertebrate Paleontology* 25(3):737-740.

Jones, D.S., I.R. Quitmyer, and C.F.T. Andrus. 2005. Oxygen isotopic evidence for greater seasonality in holocene shells of *Donax variabilis* from Florida. *Palaeogeography, Palaeoclimatology, Palaeoecology* 288:96-108.

Keegan, W.F. 2006. Caribbean area. pp. 29-36 in T. North, K. D. McCann and L. Boudon, eds. *Handbook of Latin American Studies*, Vol. 61. U.S. Library of Congress, Hispanic Division, University of Texas Press, Austin, TX.

**Keegan, W.F.** 2006. All in the family: descent and succession in the Protohistoric chiefdoms of the Greater Antilles—A Comment on Curet. *Ethnohistory* 53:383-392.

**Keegan, W.F.** 2006. Foreword. pp. XI-XII in D. Kennett and B. Winterhalder, eds. *Human Behavioral Ecology and the Transition to Agriculture*. University of California Press, Berkeley, CA.

**Keegan, W.F.** and R.R. Ramos. 2005. Sin rodeos. *El Caribe Arqueológico* 8:8-13.

Kelly, J.A., R.H. Tykot, and J.T. Milanich. 2006. Evidence for the early use of maize in peninsular Florida. pp. 249-261 in J. Staller, R. Tykot, and B. Benz, eds. *Histories of Maize: Multidisciplinary Approaches to the Prehistory, Linguistics, Biogeography, Domestication, and Evolution of Maize*. Elsevier Academic Press, Burlington, MA.

**Kim, S., J. Koh, H. Ma, Y. Hu, P.K. Endress, M. Buzgo, B.A. Hauser, P.S. Soltis, and D.E. Soltis.** 2005. Sequence and expression studies of A-, B-, and E-class MADS-box genes in *Eupomatia* (Eupomatiaceae): support for the bracteate origin of the calyptra. *International Journal of Plant Sciences* 166:185-198.

**Kim, S., J. Koh, M.-J. Yoo, H. Kong, Y. Hu, H. Ma, P.S. Soltis, and D.E. Soltis.** 2005. Expression of floral MADS-box genes in basal angiosperms: implications for the evolution of floral regulators. *The Plant Journal* 43:724-744.

**Kim, S., P.S. Soltis, and D.E. Soltis.** 2006. Phylogenetic analyses of the APETALA2-like gene family reveals a pattern of AP2 domain evolution. *Molecular Biology and Evolution* 23:107-120.

Kirby, M.X. and B.J. MacFadden. 2005. Was southern Central America an archipelago or a peninsula in the middle Miocene? A test using land-mammal body size. *Palaeogeography, Palaeoclimatology, Palaeoecology* 228:193-202.

**Kirchman, J.J. and D.W. Steadman.** 2006. New species of rails (Aves: Rallidae) from an archaeological site on Huahine, Society Islands. *Pacific Science* 60:279-295.



**Krisko, K.L. and A.N. Hooper.** 2006. *Phelsuma madagascariensis grandis* (Madagascar Giant Day Gecko). Nectarivory; Potential Pollination. *Herpetological Review* 37:226.

**Krisko, K.L. and W.S. Judd.** 2006. Morphological systematics of kingsnakes, *Lampropeltis getula* complex (Serpentes: Colubridae), in the eastern United States. *Zootaxa* 1193:1-39.

**Krisko, K.L., J.C. Seitz, J.H. Townsend, and K.M. Enge.** 2006. The introduced brown basilisk, *Basiliscus vittatus* Wiegmann 1828, in Florida. *Iguana* 13:24-30.

Kvacek, Z., S.R. Manchester, and M.A. Akhmetiev. 2005. Review of the fossil history of *Craigia* (Malvaceae sl.) in the northern hemisphere based on fruits and co-occurring foliage. pp. 114-140 in M.A. Akhmetiev and A.B. Herman, eds. *Modern problems of Palaeofloristics, Palaeophytogeography and Phytostратigraphy*. Moscow GEOS.

Leebens-Mack, J.H., D.E. Soltis, and P.S. Soltis. 2006. Phylogenetics and functional genomics pave the road to advances in plant reproductive biology. *Comparative and Functional Genomics* 6:159-169.

**Lopez, J.A., J.A. Ryburn, O. Fedrigo, and G.J.P. Naylor.** 2006. Phylogeny of sharks of the family Triakidae (Carcharhiniformes) and its implications for the evolution of Carcharhiniform placental viviparity. *Molecular Phylogenetics and Evolution* 40(1):50-60.

**MacFadden, B.J.** 2005. Diet and habitat of toxodont megaherbivores (Mammalian, Notoungulata) from the late Quaternary of South and Central America. *Quaternary Research* 64:113-124.

**MacFadden, B.J.** 2005. Vertebrate ecology and evolution in "Deep Time." *Trends in Ecology and Evolution* 20:355.

**MacFadden, B.J.** 2005. Introduction. S. David Webb—paleontologist, scholar, and colleague. pp. 128-141 in **Hulbert, R.C., G.S. Morgan, and J.A. Baskin**, eds. *Cenozoic Vertebrates of the Americas: Papers to Honor S. David Webb*. *Bulletin of the Florida Museum of Natural History* 45(4).

**MacFadden, B.J.** 2006. Extinct mammalian biodiversity of the ancient New World tropics. *Trends in Ecology and Evolution* 21:157-165.

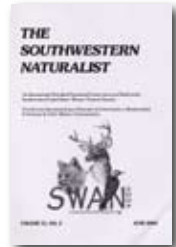
Macnamara, P., J.H. Boone, P.Z. Goldstein, C. Grinter, J. Louderman, A.F. Newton, P.P. Parrillo, M.B. Prondzinski, M.K. Thayer, P. Sierwald, D.A. Summers, and J.A. Wagner. 2005. *Illinois Insects and Spiders*. University of Chicago Press in association with the Field Museum. Chicago, IL.

**Manchester S.R., Z.D. Chen, B. Geng, and J. Tao.** 2005. Middle Eocene flora of Huadian, Jilin Province, northeastern China. *Acta Palaeobotanica* 45:3-26.

**Manchester S.R., Z.D. Chen, and Z.K. Zhou.** 2006. Wood anatomy of *Craigia* (Malvales) from southeastern Yunnan, China. *International Association of Wood Anatomists Journal* 27:129-136.

**Marquardt, W.H. and P.J. Watson** (editors and contributors). 2005. *Archaeology of the Middle Green River Region, Kentucky*. University of Florida Institute of Archaeology and Paleoenvironmental Studies, Monograph 5. University Press of Florida, Gainesville, FL.

McCranie, J.R., J.H. Townsend, and L.D. Wilson. 2006. *The Amphibians and Reptiles of the Honduran Mosquitia*. Krieger Publishing Company, Malabar, FL.



Mead, J.I., A. Baez, S.L. Swift, M. C. Carpenter, M. Hollenshead, N.J. Czaplewski, D.W. Steadman, J. Bright, and J. Arroyo-Cabral. 2006. Tropical marsh and savanna of the late Pleistocene in northeastern Sonora, México. *Southwestern Naturalist* 51:226-239.

Melendez-Ackerman, E.J., P. Speranza, W.J. Kress, L. Rohena, E. Toledo, C. Cortes, D. Treece, M. Gitzendanner, P. Soltis, and D. Soltis. 2005. Microevolutionary processes inferred from AFLP and morphological variation in *Heliconia Bihai* (Heliconiaceae). *International Journal of Plant Sciences* 166:781-794.

Metzler, E.H., J.A. Shuey, L.A. Ferge, R.A. Henderson, and P.Z. Goldstein. 2005. Contributions to the understanding of tallgrass prairie-dependent butterflies and moths (Lepidoptera) and their biogeography in the United States. *Ohio Biological Survey Bulletin New Series* 15(1).



Meyer, C., J. Geller, and G. Paulay. 2005. Fine scale endemism on coral reefs: archipelagic differentiation in turbinid gastropods. *Evolution* 59(1):113-125.

Meyer, C.P. and G. Paulay. 2005. DNA barcoding: error rates based on comprehensive sampling. *Public Library of Science, Biology* (12): e422.

**Milanich, J.T.** 2005. Archaeological evidence of colonialism: Franciscan Spanish missions in *La Florida*. *Missionalia* 32:332-356.

**Milanich, J.T.** 2005. A century of research on the Franciscan missions of Spanish Florida. *Missionalia* 32:313-331.

**Milanich, J.T.** 2005. *Frolicking Bears, Wet Vultures, and Other Oddities: A New York City Journalist in Nineteenth-Century Florida*. University Press of Florida, Gainesville, FL.

**Milanich, J.T.** 2006. *Laboring in the Fields of the Lord, Spanish Missions and Southeastern Indians*. University Press of Florida, Gainesville, FL. [Paperback reprint]

**Milanich, J.T.** 2005. Homeless collections. What happens to artifacts when they have no place to go? *Archaeology* 58(6):57-60, 62, 64.

**Milanich, J.T.** 2006. Foreword. p. i in K.E. Sassaman, ed. *People of the Shoals: Stallings Culture of the Savannah River Valley*. University Press of Florida, Gainesville, FL.

**Milbrath, S.** 2005. Jupiter in classic and postclassic Maya art. pp. 301-329 in J. Fountain and R. Sinclair, eds. *Current Studies in Archaeoastronomy: Selected Papers from the Fifth Oxford International Conference at Santa Fe, 1996*. Carolina Academic Press, Durham, NC.

Missiaen, P., T. Smith, D. Guo, J. I. Bloch, and P. D. Gingerich. 2006. Asian gliriform origin for arctostyloid mammals. *Naturwissenschaften* 93:407-411.

Mosbrugger, V., T. Utescher, and D.L. Dilcher. 2005. Cenozoic continental climatic evolution of Central Europe. *Proceedings of the National Academy of Sciences* 102(42):14964-14969.

Naylor, G.J.P., J.A. Ryburn, O. Fedrigo, and J.A. Lopez. 2005. Phylogenetic relationships among the major lineages of modern Elasmobranchs. pp. 1-25 in W. C. Hamlett, ed. *Reproductive Biology and Phylogeny of Chondrichthyes: Sharks, Batoids and Chimaeras*. Science Publishers, Enfield, NH.



Nesbitt Styrsky, J., J.D. Brawn, and S.K. Robinson. 2005. Juvenile mortality increases with clutch size in a neotropical bird. *Ecology* 86:3238-3244.

**Nickerson, M.A. and C.E. Mays.** 2005. *The Hellbenders*. The Center for North American Herpetology, Lawrence, KS.

**Page, L.M.** 2005. Organisms in nature as a central focus for biology. *Trends in Ecology and Evolution* 20:361-362.

**Page, L.M.** 2006. Planetary Biodiversity Inventories: A response to the taxonomic crisis. *ActionBioscience.org*. <http://www.actionbioscience.org/biodiversity/page.html>.

**Page, L.M. and R.H. Robins.** 2006. Identification of sailfin catfishes (Teleostei: Loricariidae) in southeastern Asia. *Raffles Bulletin of Zoology* 54:455-457.



**Paulay, G. and C. Meyer.** 2006. Dispersal and divergence across the greatest ocean: do larvae matter? *Integrative & Comparative Biology* 46:269-281.

**Piercy, A., J. Gelsleichter, and F.F. Snelson, Jr.** 2006. Morphological changes in the clasper gland of the Atlantic stingray, *Dasyatis sabina*, associated with the seasonal reproductive cycle. *Journal of Morphology* 267:109-114.



Pitt, A.L. and M.A. Nickerson. 2006. *Cryptobranchus alleganiensis* (Hellbender Salamander). Larval Diet. *Herpetological Review* 37(1):69.

Pluckhahn, T.J., R.F. Ethridge, J.T. Milanich, and M.T. Smith. 2006. Introduction. pp. 1-25 in T.J. Pluckhahn and R.F. Ethridge, eds. *Light on the Path: The Anthropology and History of the Southeastern Indians*. University of Alabama Press, Tuscaloosa, AL.

**Porter, C.M.** 2005. An eighteenth-century flower: William Bartram. pp. 47-71 in J.E. Davis and R. Arsenault, eds. *Paradise Lost? The Environmental History of Florida*. University Press of Florida, Gainesville, FL.

**Porter, C.M.** 2005. Review of *Constantine Samuel Rafinesque: a voice in the American wilderness* by Leonard Warren. *Journal of the History of Biology* 38:647-678.

Pranty, B., A.W. Kratter, and R. Bowman. 2005. Records of Bullock's orioles in Florida. *The Florida Field Naturalist* 33:41-46.

Qiu, Y.-L., O. Dombrowska, J. Lee, L. Li, B.A. Whitlock, F. Bernasconi-Quadroni, J.S. Rest, C.C. Davis, T. Borsch, K.W. Hilu, S.S. Renner, D.E. Soltis, P.S. Soltis, M.J. Zanis, J.J. Cannone, R.R. Gutell, M. Powell, V. Savolainen, L.W. Chatrou, and M.W. Chase. 2005. Phylogenetic analyses of basal angiosperms based on nine plastid, mitochondrial, and nuclear genes. *International Journal of Plant Sciences* 166:815-842.



# PUBLICATIONS

**Quitmyer, I.R.** and E.J. Reitz. 2006. Marine trophic levels targeted between AD 300 and 1500 on the Georgia coast, USA. *Journal of Archaeological Science* 33:806-822.

**Quitmyer, I.R., D.S. Jones,** and C.F.T. Andrus. 2005. Seasonal collection of coquina clams (*Donax variabilis*) during the Archaic and St. Johns Periods in coastal northeast Florida. pp. 18-28 in D. Bar-Yosef, ed. *Archaeomalacology: Molluscs in Former Environments of Human Behavior*. Oxbow Press, London.

**Robbins, R.K., D.H. Ahrenholz,** and C.V. Covell, Jr. 2005. Obituary: Stanley Swenson Nicolay. *Journal of Lepidopterist Society*. 59(3):178-80.



Royer, D.L., P. Wilf, D.A. Janesko, E.A. Kowalski, and D. L. Dilcher. 2005. Correlations of climate and plant ecology of leaf size and shape: potential proxies for the fossil record. *American Journal of Botany* 92:1141-1151.

Sandoval, A.C. and F.G. Thompson. 2005. Gastropodos terrestres de Tamaulipas. pp. 97-104 in L.B. Lozano, A.C. Sandoval, J.V.H. Vega, and J.G.

Jimenez, eds. *Biodiversidad Tamaulipeca I*. Direccion General de Educacion Superior Tecnologica. Instituto Tecnologico de Ciudad Victoria. Ciudad Victoria, Tamaulipas, Mexico.

**Scudder, S.** 2006. Terrestrial soil or submerged sediment?: The early Archaic at Page-Ladson. Chapter 15 in S.D. Webb, ed. *First Floridians and Last Mastodons: The Page-Ladson Site on the Aucilla River*. Springer, New York, NY.

**Scudder, S.** 2006. Anatomy of a southwest Florida sand burial mound: Smith Mound at the Pineland Site Complex. Chapter 5 in E. Reitz, M. Scarry, and S. Scudder, eds. *Case Studies in Environmental Archaeology*, 2nd Edition. Springer, New York, NY.

**Scudder, S.J.** 2006. Early Arawak subsistence strategies: the Rodney's House Site of Jamaica. Chapter 8, pp 113-130 in L.-G. Atkinson, ed. *The Earliest Inhabitants: The Dynamics of the Jamaican Taino*. University of the West Indies Press, Jamaica.

Soltis, D.E., P.S. Soltis, P.K. Endress, and M.W. Chase. 2005. *Angiosperm Phylogeny and Evolution*. Sinauer Press, Sunderland, CT.

**Soltis, P.S.** 2006. *Tragopogon*. pp. 303-306 in Flora of North America Editorial Committee, eds. *Flora of North America* Vol. 19. Oxford University Press, New York.

**Steadman, D.W.** 2005. Late Pleistocene birds from Kingston Saltpeter Cave, Southern Appalachian Mountains, Georgia. *Bulletin of the Florida Museum of Natural History* 45:231-248.

**Steadman, D.W.** 2006. A new species of extinct parrot (Psittacidae: *Eclectus*) from Tonga and Vanuatu, South Pacific. *Pacific Science* 60:137-145.

**Steadman, D.W.** 2006. A new species of extinct tooth-billed pigeon (*Didunculus*) from the Kingdom of Tonga, and the concept of endemism in insular landbirds. *Journal of Zoology* 268:233-241.

**Steadman, D.W.** and A.V. Stokes. 2005. An archaeological survey and test excavation at the Saladoid Blanchisseuse Site, Trinidad. pp. 299-307 in *Proceedings of the 20th International Congress for Caribbean Archaeology*. Museo del Hombre Dominicano, Santo Domingo, Dominican Republic.

**Steadman, D.W., P.S. Martin, R.D.E. MacPhee, A.J.T. Jull, H.G. McDonald, C.A. Woods, M. Iturralde-Vinent,** and G.W.L. Hodgins. 2005. Asynchronous extinction of late Quaternary sloths on continents and islands. *Proceedings of the National Academy of Sciences* 102:11763-11768.

**Sulikowski, J.A., J. Kneebone, S.L. Elzey, J. Jurek, P.D. Danley, W.H. Howell,** and P.C.W. Tsang. 2005. The reproductive biology of the thorny skate, *Amblyraja radiata*, in the Gulf of Maine. *Fishery Bulletin* 103:536-543.

Surge, D. and K.J. Walker. 2005. Oxygen isotope composition of modern and archaeological otoliths from the estuarine hardhead catfish (*A. felis*) and their potential to record low-latitude climate change. *Palaeogeography, Palaeoclimatology, Palaeoecology* 228:179-191.

Surge, D. and K.J. Walker. 2006. Geochemical variation in microstructural shell layers of the southern quahog (*Merccenaria campechiensis*): implications for reconstructing seasonality. *Palaeogeography, Palaeoclimatology, Palaeoecology* 237:182-190.

Tarter, D.C., D.L. Chaffee, C.V. Covell, Jr., and S.T. O'Keefe. 2006. New distribution records of fishflies (Megaloptera: Corydalidae) for Kentucky, U.S.A. *Entomology News* 117(1):41-46.

**Thompson, F.G.** 2005. Two new species of hydrobiid snails of the genus *Marstonia* from Alabama and Georgia. *Veliger* 47:175-182.

**Thompson, F.G.** 2006. Some landsnails of the genus *Humboldtiana* from Chihuahua and western Texas. *Bulletin of the Florida Museum of Natural History* 46:61-98.

**Thompson, F. G.** 2006. A new landsnail of the genus *Humboldtiana* (Gastropoda: Pulmonata: Humboldtianidae) from Nuevo León, Mexico. *Nautilus* 120:21-24.



**Thompson, F.G.** and O. Mejia. 2006. Two new land snails of the genus *Humboldtiana* (Gastropoda: Pulmonata: Humboldtianidae) from Chihuahua, Mexico. *Nautilus* 120:25-29.

**Thompson, F.G.** and E.L. Mihalcik. 2005. Urocoptid land snails of the genus *Holospira* from southern Mexico. *Bulletin of the Florida Museum of Natural History* 45:63-124.

**Thompson, F.G.** and E.L. Mihalcik. 2005. Proposed conservation of the names *Melania curvicastrata* Reeve, 1861 and *Goniobasis paupercula* Lea, 1862 (currently *Elimia curvicastrata* and *E. paupercula*) (Mollusca, Gastropoda, Pleuroceridae) case closed (Case 3232). *Bulletin of Zoological Nomenclature* 62(2):122-123.

Thornton, E.K. and K.F. Emery. 2005. Estudio preliminar de la utilización animal durante el Preclásico Tardío en El Mirador. Chapter 75, pp. 1-8 in J.P. Laporte, B. Arroyo, and H.E. Mejia, eds. *XVII Simposio de Investigaciones Arqueológicas en Guatemala, 2004*. Instituto de Antropología e Historia, Guatemala. [http://www.famsi.org/reports/03101es/75thornton\\_emery/75thornton\\_emery.pdf](http://www.famsi.org/reports/03101es/75thornton_emery/75thornton_emery.pdf)

**Townsend, J.H.,** and L.D. Wilson. 2006. A new species of snake of the *Geophis dubius* group (Reptilia: Squamata: Colubridae) from the Sierra de Omoa of northwestern Honduras. *Proceedings of the Biological Society of Washington* 119(1):150159.

**Townsend, J.H., J.C. Nifong,** and R. Downing M. 2006. *Oedipina elongata* (Schmidt, 1936) in Honduras. *Salamandra* 42(1):6162.



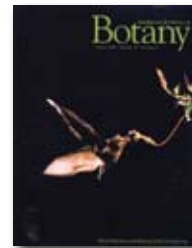
**Townsend, J.H., J.C. Nifong,** and L.D. Wilson. 2005. First record of the colubrid snake *Rhadinaea anachoreta* Smith and Campbell from Honduras. *Herpetological Bulletin* 94:23.

Turner, B.L., J.D. Kingston, and J.T. Milanich. 2005. Isotopic evidence of immigration linked to status during the Weeden Island and Suwanee Valley periods in north Florida. *Southeastern Archaeology* 24:121-136.

**Walker, K.J.** and D. Surge. 2006. Developing oxygen isotope proxies from archaeological sources for the study of Late Holocene human-climate interactions in coastal southwest Florida. *Quaternary International* 150:3-11.

**Wang, H.** and D.L. Dilcher. 2006. Aquatic Angiosperms from the Dakota Formation (Albian, Lower Cretaceous), Hoisington III Locality, Kansas, USA. *International Journal of Plant Sciences* 167(2):385-401.

**Wang, H.** and D.L. Dilcher. 2006. Angiosperm Leaf Megafossils from the Dakota Formation: Braun's Ranch Locality, Cloud County, Kansas, USA. *Palaeontographica Abteilung B* 273:101-137.



Wang, Y.D., G. Guignard, F. Thevenard, D.L. Dilcher, G. Barale, V. Mosbrugger, X. Yang, and S.W. Mei. 2005. Cuticular anatomy of *Sphenobaiera huangii* (Ginkgoales) from the Lower Jurassic of Hubei, China. *American Journal of Botany* 92:709-721.



Whinnett, A., A.V.Z. Brower, M.-M. Lee, K.R. Willmott, and J. Mallet. 2005. The phylogenetic utility of tektin, a novel region for inferring systematic relationships amongst Lepidoptera. *Annals of the Entomological Society of America* 98(6):873-886.

Whinnett, A., F. Simpson, K.R. Willmott, G. Lamas, and J. Mallet. 2005. Mitochondrial DNA provides an insight into the mechanisms driving diversification in the ithomiine butterfly *Hypocada anchiala* (Lepidoptera: Nymphalidae, Ithomiinae). *European Journal of Entomology* 102(4):633-639.



Whinnett, A., M. Zimmermann, K.R. Willmott, N. Herrera, R. Mallarino, F. Simpson, M. Joron, G. Lamas, and J. Mallet. 2005. Strikingly variable divergence times inferred across an Amazonian butterfly "suture zone." *Proceedings of the Royal Society of London B* 272(1580):2525-2533.

**Whitten, W.M., N.H. Williams,** R.L. Dressler, G. Gerlach, and F. Pupulin. 2005. Generic relationships of Zygopteralinae (Orchidaceae: Cymbidieae): combined molecular evidence. *Lankesteriana* 5:87-108.

**Williams, N.H., W.M. Whitten,** and R.L. Dressler. 2005. Molecular systematics of *Telipogon* (Orchidaceae: Oncidiinae) and its allies: nuclear and plastid DNA sequence data. *Lankesteriana* 5:163-184.

Wilson, L.D. and J.H. Townsend. 2006. The herpetofauna of the rainforests of Honduras. *Caribbean Journal of Science* 42(1):88113.



Winfrey, R., J. Dushoff, S.K. Robinson, and D. Bengali. 2006. A Monte Carlo model for estimating the productivity of a generalist brood parasite across multiple host species. *Evolutionary Ecology Research* 8:213-236.

Wing, S.L., G.J. Harrington, F. Smith, J.I. Bloch, and D.M. Boyer. 2005. Transient floral change and rapid global warming at the Paleocene-Eocene boundary. *Science* 310:993-996.

**Worth, J.E.** 2006. Bridging prehistory and history in the Southeast: evaluating the utility of the acculturation concept. pp. 196-206 in T.J. Pluckhahn and R. Ethridge, eds. *Light on the Path: The Anthropology and History of the Southeastern Indians*. University of Alabama Press, Tuscaloosa, AL.

Xiang, Q.-Y., D.T. Thomas, W. Zhang, S.R. Manchester, and Z. Murrell. 2006. Species level phylogeny of the genus *Cornus* (Cornaceae) based on molecular and morphological evidence—implications for taxonomy and Tertiary intercontinental migration. *Taxon* 55:9-30.

Yoo, M.-J., V.A. Albert, P.S. Soltis, and D.E. Soltis. 2006. Diversification of glycogen synthase kinase 3/shaggy-like kinase genes in plants. *BMC Plant Biology* 6:3.





Yoo, M.-J., C.D. Bell, P.S. Soltis, and D.E. Soltis. 2005. Divergence times and historical biogeography of Nymphaeales. *Systematic Botany* 30:693-704.

Zomlefer, W.B., W.M. Whitten, N.H. Williams, and W.S. Judd. 2006. Infrageneric phylogeny of *Sebennoaulon* (Liliales: Melanthiaceae) with clarification of cryptic species based on ITS sequence data and geographical distribution. *American Journal of Botany* 93:1178-1192.

## Popular Publications, Miscellaneous Reports:

Burgess, G.H. 2005. When the shark bites. *Globe and Mail*, 2 July 2005:D6. Toronto, Canada.

Burgess, G., B. Seret, and M. Diop. 2005. *Séminaire de formation des enquêteurs des pêches sur la l'écobiologie l'aménagement des Requins. Rapport Final*. PSRA Requins. Commission Sous-Régionale des Pêches (CSR). Dakar, Senegal.

Carlson, B., D.W. Steadman, and W.F. Keegan. 2006. Birdland. *Times of the Islands* (Spring) 74:64-69.

Carlson, L.A. with contributions from W.H. Keegan and C. Kozy. 2006. *Strategic Archaeological Impact Assessment of the Moore Hall Beach Club and Resort Development, North Caicos, Turks and Caicos Islands, B.W.I.* SEARCH project No. 05183. Southeastern Archaeological Research, Gainesville, FL.

Cortes, E., A. Morgan, and G.H. Burgess. 2005. *Standardized catch rates of large coastal sharks from the Commercial Shark Fishery Observer Program 1994-2004*. National Marine Fisheries Service Shark SEDAR Data Workshop Document LCS05/06-DW-17. Panama City, FL.

Dilcher, D.L. 2006. *A Curious Life. An Autobiographical Sketch*. Shanghai Scientific and Technological Education Publishing House. Shanghai, China.

Emery, K.F. 2005. *Animals and ritual in the Copán Acropolis: zooarchaeology of special deposits (2004 Research Season)*. Foundation for the Advancement of Mesoamerican Studies, Inc. (FAMSI) Report Publications. Crystal River, FL. <http://www.famsi.org/reports/03028/index.html>.

Emery, K.F. 2006. A queen's final feast: ritual animal remains from Copan's margarita structure. *Natural History* 115(5):68-69.

Hofman, C.L., A.J. Bright, W.F. Keegan, and M.L.P. Hoogland. 2005. An Amerindian - English encounter on St. Lucia: Giraudy and the olive branch. *Profiel, Archeologisch Studenten Tijdschrift* 11/13:10-15. Leiden University.

Jarzen, D.M. and R.W. Portell. 2005. The oldest land in Florida. *Natural History* 114(10):68-69.

Jarzen, D.M. and D.W. Steadman. 2006. Lost and found? *Natural History* 115(4):68-69.

Jones, D.S. and I.R. Quitmyer. 2006. Sclerochronology: playing back the recordings of life. *Natural History* 115(3):76-77.

Keegan, W.F. 2005. *Archaeological impact assessment Materson's Point, Grand Turk, Turks and Caicos Islands*. Caicos Conch Farm, Providenciales, Turks and Caicos Islands.

Keegan, W.F. 2005. *Strategic archaeological impact assessment Moore Hall Beach Club and Resort, North Caicos, Turks and Caicos Islands*. Woodrow and Partners, Providenciales, Turks and Caicos Islands.

Keegan, W.F. and B. Carlson. 2005. If you like pina colodas.... *Times of the Islands* (Summer) 71:55-60.

Keegan, W.F. and B. Carlson. 2005. Obeah and zombies: the African connection. *Times of the Islands* (Fall) 72:54-59.

Keegan, W.F. and B. Carlson. 2005. Birds of a feather. *Times of the Islands* (Winter) 73:58-64.

Keegan, W.F., T. Sara, and B. Larson. 2005. Along the perimeter fence, Guantanamo Bay, Cuba. *Natural History* 114(6):62-63.

King, F.W. 2005. Ticks bad: redbugs good. *The Sportman's Gazette* 6(6):1, 5.

King, F.W. 2005. It's hurricane season again. *The Sportman's Gazette* 6(7):1, 5.

King, F.W. 2005. Florida wildlife needs your input. *The Sportman's Gazette* 6(8):1, 5.

King, F.W. 2005. Loss of original longleaf pine. *The Sportman's Gazette* 6(9):1, 5.

King, F.W. 2005. What are animals to you? *The Sportman's Gazette* 6(10):1, 5.

King, F.W. 2005. Where are the migratory waterfowl? *The Sportman's Gazette* 6(11):1, 5.

King, F.W. 2005. Exotic species threaten Florida wildlife. *The Sportman's Gazette* 6(12):1, 5.

King, F.W. 2006. Wildlife vs. human conflicts - part 1. *The Sportman's Gazette* 7(1):1, 5.

King, F.W. 2006. Wildlife vs. human conflicts - part 2. *The Sportman's Gazette* 7(2):1, 5.

King, F.W. 2006. Myths about Florida snakes. *The Sportman's Gazette* 7(3):1, 5.

King, F.W. 2006. Problems of mesophytification. *The Sportman's Gazette* 7(4):1, 3.

King, F.W. 2006. Florida rides to the hounds. *The Sportman's Gazette* 7(5):1, 5.

King, F.W. 2006. Tonight armadillo delights. *The Sportman's Gazette* 7(6):1, 5.

King, F.W. 2006. Wildlife space and corridors. *The Sportman's Gazette* 7(7):1, 5.

King, F.W. 2006. What's in a name? *The Sportman's Gazette* 7(8):1, 5.

King, F.W. 2006. Manatees & mermaids. *The Sportman's Gazette* 7(9):1, 9.

King, F.W. 2006. Florida's Saw Palmetto. *The Sportman's Gazette* 7(10):1, 9.

King, F.W. 2006. Sex is important. *The Sportman's Gazette* 7(11):1, 5.

MacFadden, B.J. 2006. The plants that fossil horses ate. pp. 42-43 in S. Manchester, R. Spicer, H. Wang, D. Jarzen, and T. Lott, eds. *Advances in Paleobotany, Recognizing the contributions of David L. Dilcher and Jack A. Wolfe on the occasion of their 70th year*. Program and Abstracts. FLMNH, Gainesville, FL.

Manchester, S., R. Spicer, H. Wang, D. Jarzen, and T. Lott (eds.). 2006. *Advances in Paleobotany--Recognizing the contributions of David L. Dilcher and Jack A. Wolfe on the occasion of their 70th year*. Program and Abstracts. Florida Museum of Natural History, Gainesville, FL.

Marquardt, W.H. 2005. State grants matching funds for classroom. *Friends of the Randell Research Center Newsletter* 4(3):1.

Marquardt, W.H. 2005. Randell Center receives reforestation grant. *Friends of the Randell Research Center Newsletter* 4(4):1.

Marquardt, W.H. 2005. In brief. *Friends of the Randell Research Center Newsletter* 4(4):2, 4.

Marquardt, W.H. 2006. Classroom and book shop taking shape. *Friends of the Randell Research Center Newsletter* 5(1):1.

Marquardt, W.H. 2006. Randell Center will host new Public Archaeologist. *Friends of the Randell Research Center Newsletter* 5(1):2.

Marquardt, W.H. 2006. Endowment goal within reach. *Friends of the Randell Research Center Newsletter* 5(1):3.

Milanich, J.T. 2005. Frolicking Bears and Other Oddities: Florida's Natural History in the Late 19th Century. *Natural History* 115(5):60-61.

Milanich, J.T. 2005. The Missions of Spanish Florida. Museum Archaeologists Uncover a Little Known Chapter in Our Country's History. *Natural History* 115(8):70-71.

Milanich, J.T. 2006. The 1880 wreck of the steamship *City of Vera Cruz* and the aftermath. *Florida Frontier Gazette* 5(2):2-4.

Miller, J.Y. and L.D. Miller. 2006. *Report on Field Work and Observations on Cat Island, Bahamas*. Submitted to the Bahamas National Trust.

Morgan, A. and G. Burgess. 2005. *The Commercial Shark Fishery Observer Program history: collection methodology and summary statistics 1994-2005(1)*. National Marine Fisheries Service Shark SEDAR Data Workshop Document LCS05/06-DW-32. Panama City, FL.

Morgan, A. and G. Burgess. 2006. *The capture depth, time, and booked survival rate for bottom longline caught large coastal sharks*. Annual Report, U.S. National Marine Fisheries Service Cooperative Research Program. Panama City, FL.

Portell, R.W. and D.A.T. Harper. 2005. Brachiopods. *Florida Fossil Invertebrates* 8:1-20.

Portell, R.W., G.L. Polites, and G.W. Schmelz. 2006. Mollusca-Shoal River Formation (Middle Miocene). *Florida Fossil Invertebrates* 9:1-52.

Ruhl, D.L., K.J. Walker, and J.S. Talcott. 2006. *Final report for the analysis, cataloging, and curation of archeobotanical and archeofaunal samples from the Opposite Futch Cove Site (8BR170), Kennedy Space Center, SEAC Accession 1743*. Submitted to the Southeast Archeological Center, National Park Service. Tallahassee, FL.

Walker, K.J. and D.L. Ruhl. 2005. *Historical ecology of the Everglades National Park: annual report on year 6 of environmental archeological analysis, cataloging, and curation of SEAC Accession 590*. Submitted to the Southeast Archeological Center, National Park Service. Tallahassee, FL.

Walker, K.J. and D. Surge. 2005. Clams for climate change. *Friends of the Randell Research Center Newsletter* 4(3):2.

Worth, J.E. 2005. Extra-local stone at Surf Clam Ridge. *Friends of the Randell Research Center Newsletter* 4(4):3.

Worth, J.E. 2006. Early Anglo-American settlers source of local place names. *Friends of the Randell Research Center Newsletter* 5(1):3.

Worth, J.E. 2006. Details emerge on "Spanish Indians" of Ueppa Island. *Friends of the Randell Research Center Newsletter* 5(2):2.

red cedar • *Juniperus virginiana*





# Support the Museum

*Every gift to the Florida Museum of Natural History – whether of time, resources or collections – enhances and expands all of its activities and thus the quality of the visitor experience. There are a variety of ways to contribute to the Museum and its mission, and participation is welcomed at any level:*



**Private Gifts** are crucial to the Museum's success and are tax-deductible. Cash, securities, real estate, collections and other assets are accepted and may be unrestricted or directed to the department or program of the donor's choice. Individuals also may include the Museum in their estate planning by

naming it as a beneficiary of a bequest or life insurance policy, or by establishing a charitable remainder trust or gift annuity.

**Membership** funds are unrestricted and strengthen all of the Museum's programs, from world-class traveling exhibitions to internationally recognized scientific research. Members are recognized annually and receive a variety of benefits including access to special events and programs, invitations to meet with visiting scholars and artists and sneak previews of exhibitions. Other benefits include unique travel opportunities and a subscription to *Natural History* magazine. Facility rentals and membership in the University of Florida's President's Council are additional benefits available at higher levels.

**Monarch Society** gifts support the Museum's McGuire Center for Lepidoptera and Biodiversity. Members of this society commit \$10,000 to enhance the Butterfly Rainforest living exhibit as well as the tropical biodiversity research, education and outreach conducted by the McGuire Center's international faculty and staff.

**Corporations** may support the Museum and help enhance the community at large through exhibit and program sponsorship. Corporate membership in the Museum can enhance both corporate philanthropic and outreach goals.

**Special events** may be held by corporations and organizations in many of the Museum's unique spaces, including the Central Gallery, Galleria and McGuire Center Gallery. Access to the exhibit galleries and the Butterfly Rainforest may be included in facilities rentals.

**Volunteering:** The Museum relies upon a dedicated corps of docents and volunteers of all ages. All volunteers receive training and serve in their area of preference. Volunteer opportunities exist in all divisions of the Museum, including Education, Exhibitions, Public Programs and Research and Collections.

maid marian • *Rhexia mariana*



**Membership levels include:**

<b>Associates:</b>	
Student:	\$25
Individual:	\$50
Dual:	\$75
Family/Group:	\$100
Supporting:	\$150
Explorer:	\$250

**Curators Society:**

Benefactor:	gifts of \$500 and above
Fellow:	gifts of \$1,000 and above
Patron:	gifts of \$2,500 and above
Director's Circle:	gifts of \$5,000 and above



**For additional information please contact:**

**Gifts and Corporate Sponsorship:** Beverly Sensbach, Director of Development, (352) 846-2000, ext. 205.

**Membership:** ([www.flmn.h.ufl.edu/membership](http://www.flmn.h.ufl.edu/membership)) Leslie Campbell, Membership Coordinator, (352) 846-2000, ext. 204.

**Volunteer Opportunities:** ([www.flmn.h.ufl.edu/volunteers](http://www.flmn.h.ufl.edu/volunteers)) Julie Crosby, Volunteer Coordinator, (352) 846-2000, ext. 210.

# Florida Museum of Natural History

## Professional Staff

July 1, 2005 – June 30, 2006

### DIRECTOR'S OFFICE

Director – Douglas S. Jones, Ph.D.  
Associate Director – Graig D. Shaak, Ph.D.  
Executive Secretary – Sharon K. Thomas

### BUDGET AND HUMAN RESOURCES

Coordinator – A. Darlene Novak  
Office Manager – Barbara L. Hackett  
Payroll / Personnel – Leslie L. Campbell /  
Rachel E. Bergen  
Pcards – Audrey L. Ford  
Purchasing – Mary B. Windham  
Travel – Shuronna C. Wilson

### DEVELOPMENT / MEMBERSHIP

Development Director – Beverly S. Sensbach  
Membership & Visitor Services Coordinator –  
Jennifer E. Pochurek / Leslie L. Campbell  
Secretary – Susan A. Jarzen

### MUSEUM TECHNOLOGY

Coordinator – William G. Paine  
Network Manager – Daniel F. Stoner  
Webmaster – Sarah E. Fazenbaker  
Info Tech Specialist – Charles R. Tompkins /  
Matthew A. McDonell  
IT Practitioner – Olusegun Yayi

### DEPARTMENT OF NATURAL HISTORY (Collections & Research)

Assistant Director and Chair – Scott K. Robinson, Ph.D.  
Assistant to Chair & Anthropology Registrar –  
Elise V. LeCompte  
Maintenance Supervisor – George D. Hecht  
Program Assistant – Pamela W. Dennis

### CARIBBEAN ARCHAEOLOGY

Curator – William F. Keegan, Ph.D.

### ENVIRONMENTAL ARCHAEOLOGY

Assistant Curator – Katherine F. Emery, Ph.D.  
Collection Managers – Sylvia J. Scudder  
Irvy R. Quitmyer

### HERBARIUM

Curator and Keeper – Norris H. Williams, Ph.D.  
Collection Manager – Kent D. Perkins  
Sr. Biologist – W. Mark Whitten, Ph.D.  
Program Assistant – Gertrude R. Lindler

### HERPETOLOGY

Curators – F. Wayne King, Ph.D.  
Max A. Nickerson, Ph.D.  
Associate Scientist – L. Richard Franz, Jr.  
Collection Manager – Kenneth L. Krysko, Ph.D.

### ICHTHYOLOGY

Interim Curator – Lawrence M. Page, Ph.D.  
Assistant Scientist – J. Andres Lopez, Ph.D.  
Collection Manager – Robert H. Robins  
Biological Scientist – Griffin E. Sheehy  
Lab Technician – Alfred W. Thomson

### INTERNATIONAL SHARK PROGRAM

Coordinator – George H. Burgess  
Sr. Biologists – Cathleen L. Bester  
Alexia A. Morgan  
Biological Scientist – Andrew N. Piercy

### INVERTEBRATE PALEONTOLOGY

Curator – Douglas S. Jones, Ph.D.  
Collection Manager – Roger W. Portell

### KATHARINE ORDWAY CHAIR OF ECOSYSTEM CONSERVATION

Eminent Scholar – Scott K. Robinson, Ph.D.  
Biological Scientist – Steve G. Daniels  
Post-Doctoral Research Associate –  
Jeffrey P. Hoover, Ph.D.

### LATIN AMERICAN ART AND ARCHAEOLOGY

Curator – Susan Milbrath, Ph.D.

### LEPIDOPTERA AND BIODIVERSITY (MCGUIRE CENTER)

Center Director – Thomas C. Emmel, Ph.D.  
Curator – Lee D. Miller, Ph.D.  
Curator – Jacqueline Y. Miller, Ph.D.  
Assistant Curator – Jaret C. Daniels, Ph.D.  
Assistant Curator – Paul Z. Goldstein, Ph.D.  
Assistant Curator – Keith R. Willmott, Ph.D.  
Curatorial Scientist – Charles V. Covell, Jr., Ph.D.  
Collection Manager – George T. Austin, Ph.D.  
Collections Coordinator – Andrei Sourakov, Ph.D.  
Construction Coordinator – James B. Schlachta  
Program Assistant – Christine M. Eliazar

### MALACOLOGY

Curator – Fred G. Thompson, Ph.D.  
Associate Curator – Gustav Paulay, Ph.D.  
Collection Manager – John D. Slapcinsky

### MAMMALOLOGY

Assistant Curator – David L. Reed, Ph.D.  
Collection Managers – Candace L. McCaffery  
Laurie I. Wilkins  
IT Expert – Greg S. Mullane / Matthew J. Collins  
Post-Doctoral Research Associate – Jessica E.  
Light, Ph.D.

### MOLECULAR SYSTEMATICS & EVOLUTIONARY GENETICS

Curator – Pamela S. Soltis, Ph.D.  
Assistant Scientist – Matthew A. Gitzendanner, Ph.D.

### MUSEUM STUDIES

Curator – Charlotte M. Porter, Ph.D.

### NORTH FLORIDA ARCHAEOLOGY

Curator – Jerald T. Milanich, Ph.D.  
Collection Manager – Donna L. Ruhl  
Ceramic Technologist – Ann S. Cordell

### ORNITHOLOGY

Curator – David W. Steadman, Ph.D.  
Collection Managers – Andrew W. Kratter, Ph.D.  
Thomas A. Webber, Ph.D.

### PALEOBOTANY

Graduate Research Professor – David L. Dilcher, Ph.D.  
Curator – Steven R. Manchester, Ph.D.  
Collection Manager – Hongshan Wang, Ph.D.  
Biological Scientist – Terry A. Lott

### SPANISH COLONIAL ARCHAEOLOGY

Distinguished Research Curator –  
Kathleen A. Deagan, Ph.D.  
Collection Manager – Gifford J. Waters, Ph.D.

### SOUTH FLORIDA ARCHAEOLOGY

Curator – William H. Marquardt, Ph.D.  
Assistant Scientist & Collection Manager –  
Karen J. Walker, Ph.D.

### SW FLORIDA ARCHAEOLOGY (RANDELL RESEARCH CENTER)

Director – William H. Marquardt, Ph.D.  
Assistant Director, Research Programs and Services –  
John E. Worth, Ph.D.  
Program Assistant – Jennifer J. Jennings  
Fiscal Assistant – David P. Hurst

### VERTEBRATE PALEONTOLOGY

Curator – Bruce J. MacFadden, Ph.D.  
Assistant Curator – Jonathan I. Bloch, Ph.D.  
Collection Manager – Richard C. Hulbert, Ph.D.  
Sr. Biologist – Russell W. McCarty II  
Biological Scientist – Arthur R. Poyer

### EXHIBITS AND PUBLIC PROGRAMS

Assistant Director – Susan B. Duvenhage  
Special Events Coordinator – M. Carolina Puente  
Visitor Relations Specialist – Virginia E. Lawrence

### BUSINESS OFFICE

Business Manager – Gloria M. Sanders  
Office Manager – Charlene O. Smith  
Program Assistant – Katherine K. Gerard  
Fiscal Assistant – G. Colin Martin  
Store Manager – Stacey D. Crandall

### EDUCATION

Education Director – Jamie C. Creola  
Public Programs – Victoria L. Derr, Ph.D.  
School Programs – David J. Webb  
Jeannette E. Carlisle  
Volunteer Program – Sally A. Wazny / Julie V. Crosby

### EXHIBITS

Assistant Director – Darcie A. MacMahon  
Designers – Ian M. Breheny  
Jay C. Fowler  
Traveling Exhibits – Tom L. Kyne

### INFORMAL SCIENCE EDUCATION (CENTER)

Center Director – Betty A. Dunckel, Ph.D.  
WINGS Project Director – Marilyn M. Roberts  
WINGS Program Coordinators – Nikole K. Kadel  
Kathy C. Malone  
MESS Project Director – Shari A. Ellis, Ph.D.  
MESS Education Coordinators – Stephanie L. Dodman  
Carrie B. Sheets  
MESS Research Associate – Janice S. Chang

### PUBLIC RELATIONS/MARKETING

Assistant Director – Paul E. Ramey, APR  
Photographer – Jeffrey L. Gage

### SECURITY & FABRICATION

Operations Coordinator – Kurt Auffenberg  
Artisans – Ronald A. Chesser  
Robert S. Leavy  
Carpenters/Cabinet makers – J. Patrick Bennett  
Nathan R. Bruce  
Facilities – Jay C. Weber  
Security Guards – John H. McIntosh  
Harvey E. Yawn

### EMERITUS FACULTY

Director Emeritus – Joshua C. Dickinson, Jr., Ph.D.  
Distinguished Research Curator Emeritus –  
S. David Webb, Ph.D.  
Curator Emeritus – Carter R. Gilbert, Ph.D.  
Curator Emeritus – Elizabeth S. Wing, Ph.D.  
Curator Emeritus – Charles A. Woods, Ph.D.





wattle • *Acacia* sp.



Latin American flebane • *Erigeron karvinskianus*