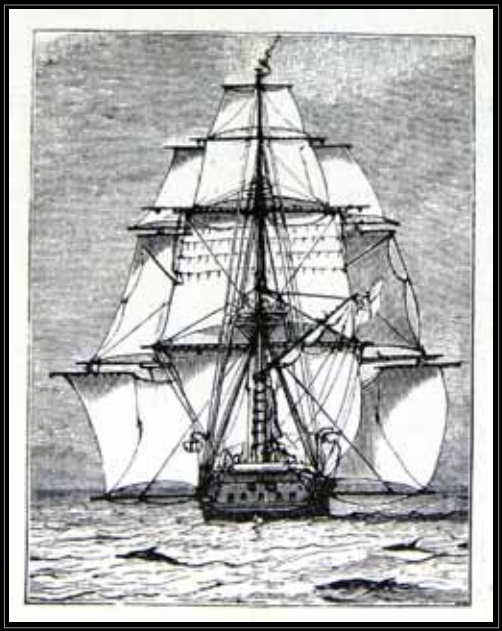
Sam Noble Museum | University of Oklahoma



Annual Report 2009

the year of Darwin

ANNUAL REPORT

OF THE

SAM NOBLE OKLAHOMA MUSEUM *of* NATURAL HISTORY

FOR THE

ANNUAL YEAR 2009

A NEW EDITION

WITH FINANCIALS, TEXT AND PHOTOGRAPHS
OF PROGRAMS AND EVENTS DESCRIBED

Illustrations are courtesy of the History of Science Collections, University of Oklahoma Libraries

NORMAN
THE UNIVERSITY OF OKLAHOMA

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One hundred and fifty years ago, Charles Darwin published *On the Origin of Species*. In honor of this anniversary, the Sam Noble Museum partnered with departments across campus to produce *Darwin 2009*, a celebration of Darwin's life and work. Throughout the year, our museum offered a variety of Darwin-themed programs, including seminars, family programs, and a dozen lectures by visiting scholars.

Central to our celebration was *Darwin at the Museum*, a special exhibition created in partnership with OU Libraries History of Science collection that featured a complete set of first editions of all of Darwin's published books. As an active research museum, The Sam Noble was uniquely suited for this. In addition to the books, *Darwin at the Museum* featured specimens of animals featured in Darwin's works that have been studied by museum curators. More than 33,000 visitors viewed this lovely exhibition.

The museum produced two additional special exhibitions: *One Hundred Summers, A Kiowa Calendar Record*, showcasing a unique set of ledger drawings that the museum received a Save America's Treasures grant to restore and display; and *Drawing the Motmot: An Artist's View of Tropical Nature*, featuring the beautiful artwork of nature artist Debby Kaspari. We also proudly opened the Noble Corporation and Noble Energy Orientation Gallery. This interactive gallery features exhibits that help our visitors understand more about the research, conservation and collection work that takes place behind the scenes at the museum.

Our education department expanded its ExplorOlogy® programming this year with the debut of Paleo Expedition, a 2-week program for high school students that allowed them to work in actual field situations with museum scientists at a remote location in Utah. ExplorOlogy® will continue to grow and develop in the years ahead, allowing us to reach more students and teachers across the state. It is a marvelous science education program.

Behind all of these public offerings, of course, is the ongoing research of our curators. Museum scientists and their students conducted research and fieldwork at locations across the United States in 2009, adding to collections, describing new species, and adding to our overall body of knowledge. The university teaching and research of our curators continues to be excellent.

We are dedicated to serving the people of Oklahoma and visitors to the state. Our efforts at broadening educational opportunities at all levels are significant. We are pleased to have hosted more than 150,000 visitors last year. We invite all of you to come to the museum to enjoy outstanding exhibits and public programs.

Darwin's ideas on evolution by natural selection continue to fuel the scientific and educational mission of our museum. His ideas changed the world. We thought it fitting to fashion our 2009 Annual Report after Darwin's remarkable books. The work he began continues within these walls today.

Dr. Michael A. Mares

"Doing what little one can to increase the general stock of knowledge is as respectable an object of life, as one can ... pursue."

—Charles Darwin

On January 18, 2009, the museum concluded its hosting of the special exhibition "Hatching the Past," which had been on view beginning Oct. 11, 2008. In March 2009, the museum opened its newest permanent exhibit: *The Noble Corporation and Noble Energy Orientation Gallery*. The gallery features *Sauroposeidon proteles*, the world's tallest dinosaur, whose 40-foot-long neck and skull peek into the museum's Great Hall to greet visitors. This interactive gallery shows visitors the behind-the-scenes work of our museum's collections and research departments and answers the questions "What does the museum do?" "Why do they do it?" and "How does it get done?"

The museum featured two special exhibitions in 2009. *One Hundred Summers: A Kiowa Calendar Record* showcased the art of renowned Kiowa artist Silver Horn. This collection of calendar drawings had never before been on display to the public and is one of only two calendars by Silver Horn known to exist.

Touch the Sky: Prairie Photographs by Jim Brandenburg, on view from Feb. 14 through April 12, featured breathtaking photographs of American prairies by the famed National Geographic photographer.

On Oct. 10, the museum opened two special in-house exhibitions. *Drawing the Motmot: An Artist's View of Tropical Nature* featured rainforest paintings and drawings by nature artist Debby Kaspari, who has

Clockwise from top left:
At the entrance to the special exhibition *Darwin at the Museum*, visitors could view a map of Charles Darwin's historic voyage and a first edition of *The Voyage of the Beagle*. Photo: Hadley Jerman

A view of the exhibition *Drawing the Motmot: An Artist's View of Tropical Nature*. Photo: Hadley Jerman.

Detail from Debby Kaspari's painting *Tropical Heat: Broadbilled Motmot*.

Custom made cases display Darwin's three-volume work *Zoology*, while a large screen above showcases images from the books. Photo: Hadley Jerman.

Visitors enjoy the centerpiece exhibit in the new Noble Corporation and Noble Energy Orientation Gallery. Photo: Konrad Eek.

At right:
Detail of a drawing from the Kiowa Calendar by Silver Horn.

done illustrations for several of the museum's permanent exhibits. *Darwin at the Museum*, which opened simultaneously, featured an entire set of first editions of all the books written by Charles Darwin. The exhibition was created in partnership with the University of Oklahoma Libraries History of Science Collection. Both exhibitions remained on view through Jan. 19, 2010.

In August 2009, the museum began planning for a new permanent exhibit in the Hall of Natural Wonders. The 1,800 square foot exhibit will feature the plants and animals of Black Mesa and the surrounding short grass prairie. Black Mesa is the highest and driest location in Oklahoma, and home to dozens of rare species of plants and animals. The exhibit is scheduled for completion in 2011.

$40

"How paramount the future is to the present when one is surrounded by children."

—Charles Darwin

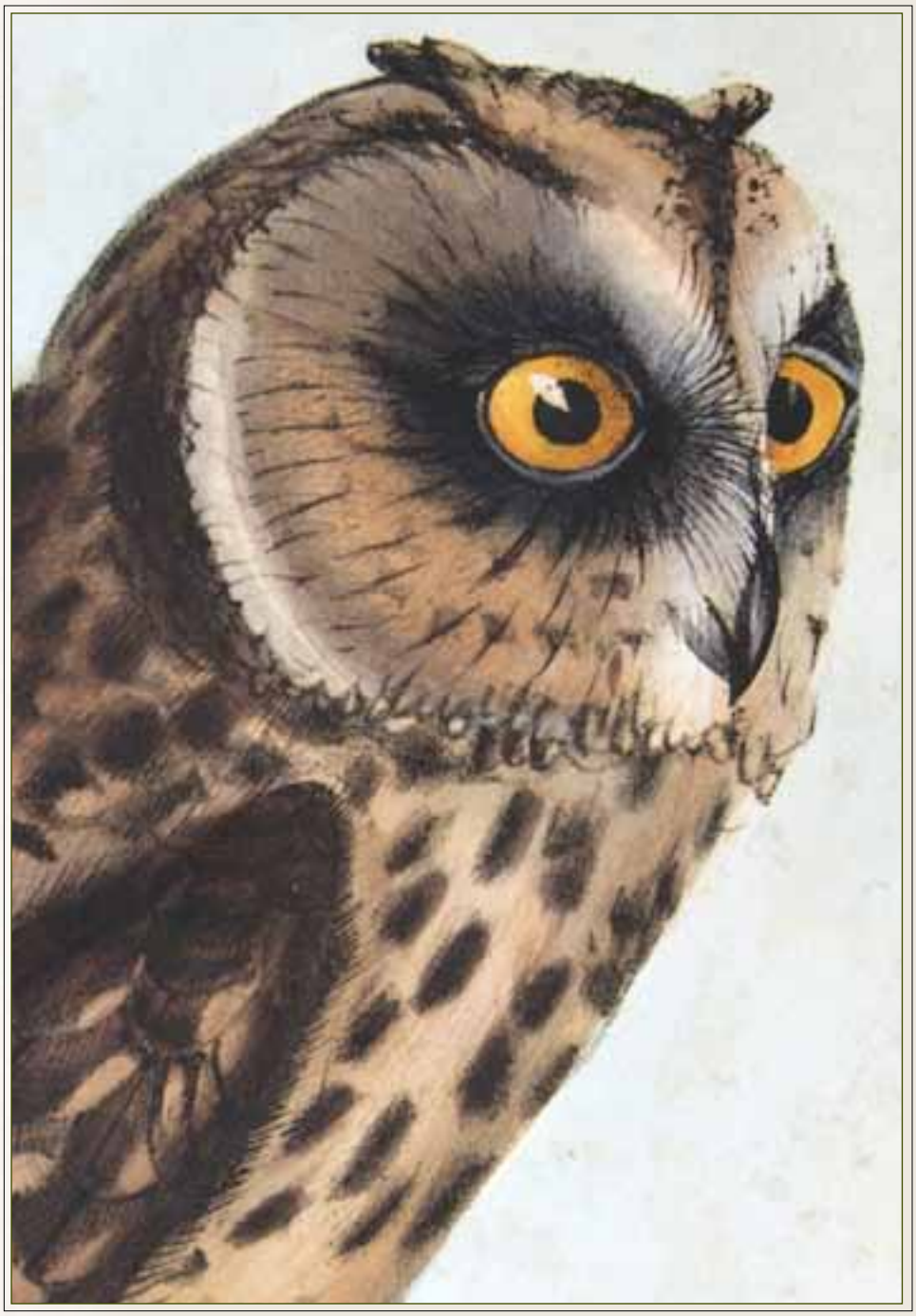
The museum's education department saw many exciting changes in 2009. The ExplorOlogy® program debuted *Paleo Expedition*, a field program for high school students. Ten students were selected for this two-week residential program and traveled to a rugged field location in Utah where they worked with scientists to discover and identify fossils. ExplorOlogy® also continued its flagship program, *Oklahoma Science Adventure*. Twelve middle-school students were chosen to conduct research with scientists at field sites around Oklahoma. ExplorOlogy® also included the *Summer Explorers* program that offered 32 classes for children ages 4 to 14. The *Summer Explorers* program expanded to include six more programs than the previous year and hosted more than 400 children throughout the summer. ExplorOlogy® is generously funded by the Whitten-Newman Foundation.

In March 2009, the museum welcomed Holly Hughes as the new head of education. She came from the South Florida Science Museum in West Palm Beach, where she served as vice president of education and programming. At the SNOMNH, Hughes is in charge of all strategic planning for the museum's educational programs, including public programming for children, families and adults; classes for public and private school groups; public lecture series; informal education programs; and Discovery Room programming. She also oversees the volunteer program.

Volunteers

The museum also welcomed Emily Reynolds as the museum's volunteer coordinator. Reynolds is in charge of managing all volunteer functions at the museum, including the recruitment, training, and scheduling of volunteers in areas across the museum.

The museum boasted 195 active volunteers in 2009, ranging in age from 16 to 90 years old. Volunteers donated 18,880 hours and 58 new volunteers joined the museum. Nancy Coleman was honored as volunteer of the year.



"A man who dares to waste one hour of life has not discovered the value of life."

—Charles Darwin

The Year of Darwin

In celebration of the 150th anniversary of the publication of *On the Origin of Species*, and the 200th anniversary of the birth of Charles Darwin, the museum took part in a campus-wide celebration of Darwin in 2009. In the spring, the museum hosted 13 lectures in two series focusing on the life and legacy of Charles Darwin. One was a series of public lectures by visiting scholars in conjunction with a "Presidential Dream Course" on Darwin sponsored by several departments across campus. Speakers included Ken Taylor, OU History of Science department; Paul White, University of Cambridge; John Lynch, Arizona State University; Michael Ruse, Florida State University; John Beatty, University of British Columbia; John van Wyhe, University of Cambridge; Garland Allen, Washington University in St. Louis; and Joe Cain, University College, London. The other lecture series was sponsored by the Ecology and Evolutionary Biology program at OU. Speakers included Allen Orr, Rochester University; Pam Soltis, Florida Museum of Natural History, Bert Hölldobler, Arizona State University; and Anne Magurran, University of St. Andrews. The museum also was the host site for a full day of panel discussions on Darwin by university faculty titled "Darwin Across the Disciplines" in Feb. 2009. In the fall semester, the museum hosted a series of six evolution seminars lead by OU faculty called "In Discussion with Darwin."

The International Year of Astronomy

In honor of the International Year of Astronomy, the museum formed a partnership with OU's Homer L. Dodge Department of Physics and Astronomy to offer a monthly series of free public astronomy lectures by scientists from OU, the National Optical Astronomy Observatory and NASA, followed by skywatching on the museum grounds with telescopes provided by local astronomy club members.

Public Presentations

Other public presentations co-hosted by the museum included lectures by visiting scholars Lynn Fowler, of the Charles Darwin Foundation; Krishna Dronamraju, of the Foundation for Genetic Research; Janet

Browne, History of Science professor, Harvard University; and Robert Trivers, from the department of Anthropology and Biological Sciences at Rutgers University. Each of these presentations was co-hosted by the museum and one of the academic departments at the University of Oklahoma. The museum also featured a popular presentation by herpetology curator Laurie Vitt, featuring live venomous snakes that Vitt displayed close-up with the aid of a video camera on the Kerr Auditorium stage.

Complimentary Admission Weeks

Complimentary museum admission was offered to key segments of the museum's community with First Responders Week Feb. 9 through 15 and First Responders and Military Week Sept. 20 through 26, as well as an OU Faculty/Staff Week Feb. 16 through 22.

Annual and Sponsored Events

Several popular annual events and free days were offered during 2009, including *Eggstravaganza*, a community egg-hunt produced in partnership with OU's J.C. Penney Leadership Program on April 8; a public free day courtesy of Chesapeake Energy on June 13; *Library Day*, a partnership with the Pioneer and Metro Library systems offering free admission to anyone showing a library card on June 27; *Sonic's Spooky Saturday*, a day of free admission sponsored by Sonic, America's Drive-in on Oct. 30; and *Holiday Happening*, the museum's annual holiday party on Dec. 3, sponsored by Arvest Bank.

Two new events were introduced in 2009: *Dinos and Desserts,* an evening program for adults held on July 25 and Nov. 7, featured open galleries, live music, desserts and a cash bar. *Movie Night at the Museum* featured family movies shown monthly in the museum's Great Hall.

Native American Language Fair

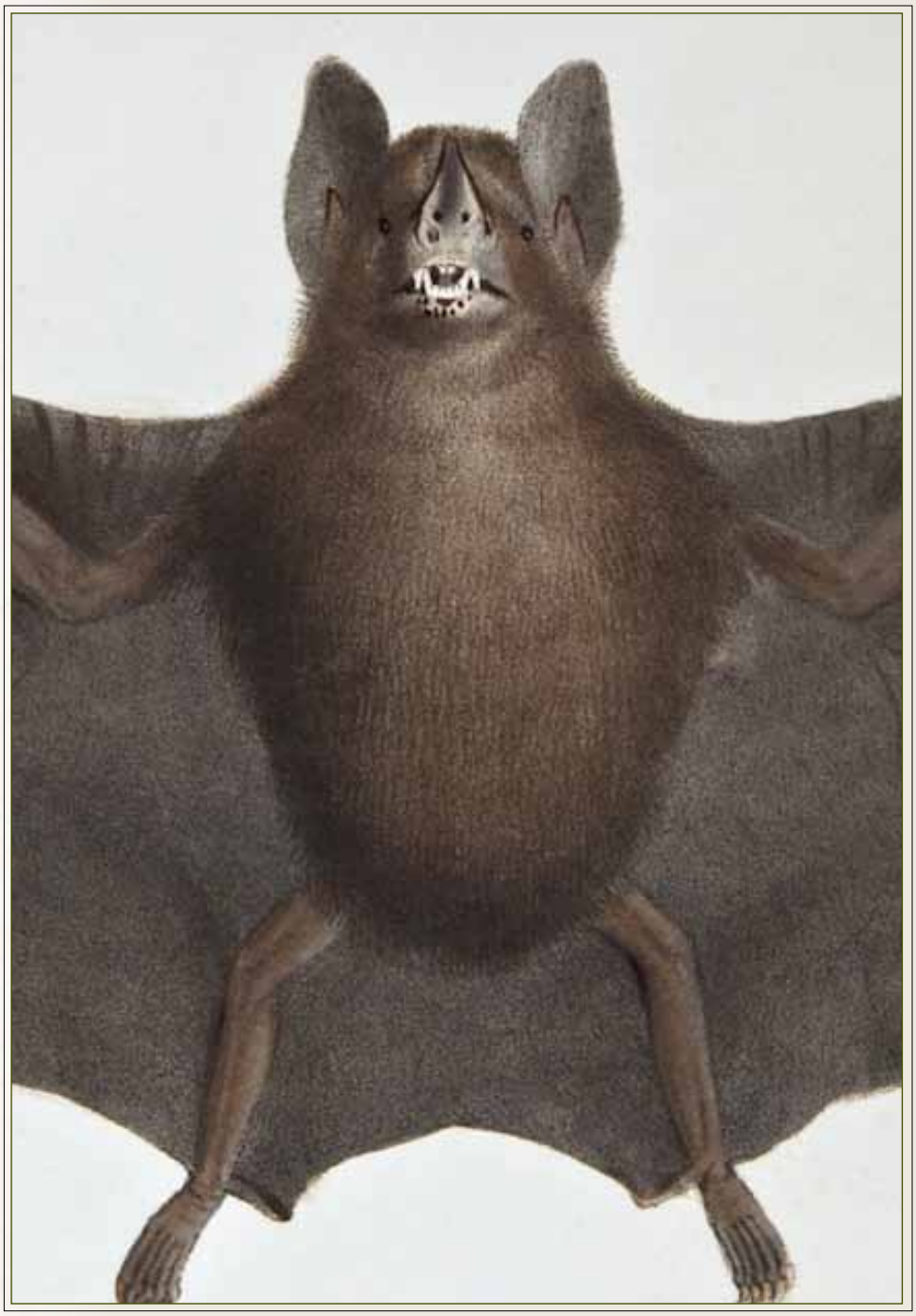
Spring of 2009 saw the seventh annual *Oklahoma Native American Youth Language Fair* at the museum. In this year's two-day event, 838 students from 76 schools or organizations participated. Students came from across Oklahoma as well as from Nebraska, Idaho, Arizona, New Mexico and Alabama. Twenty-two Native American languages were represented. The 2009 ONAYLF was sponsored by Boeing, the Sam Noble Museum, the Muscogee (Creek) Nation, Cherokee Nation Enterprises, Choctaw Nation School of Choctaw Language, OU Department of Anthropology, Osage Nation Language Department, Cheyenne and Arapaho Tribes of Oklahoma and OU American Indian Student Services.

Top row: Children enjoy the craft and coloring activities at *Eggstravaganza*. Photo: Krysten Marshall. Museum director Michael Mares celebrates the holidays with museum mascot "Spike" at *Holiday Happening*.

Center row: Winners in the 2009 Oklahoma Native American Youth Language Fair show off their trophies. Photo: Linda Coldwell.

Bottom row: OU students play cards on blankets in the Great Hall while waiting for film to start during Movie Night at the Museum. Photo: Linda Coldwell. A tempting assortment of sweet treats was offered for guests of *Dinos and Desserts*. Photo: Linda Coldwell.

2009 OKLAHOMA
AMERICAN
YOUTH LANG



"I am turned into a sort of machine for observing facts and grinding out conclusions."

—Charles Darwin

Vertebrate Paleontology

Curators Richard Cifelli and Nicholas Czaplewski have been involved in the painstaking and time-consuming process of sorting and identifying thousands of micro-vertebrate fossils – the tiny teeth, scales, and bones of small mammals, fish, and reptiles – collected over the past several years from sites in Utah, southern Arizona, Oklahoma and California. Though not dramatic to look at, these tiny fossils are the basis of ongoing curatorial research of which sorting and identifying is the crucial first step. Field expeditions to collect additional micro-fossils were made to sites in western Oklahoma, the Mohave desert of California and southeastern Arizona.

Nick Czaplewski completed the two-year revision of a mammalogy text book: *Mammalogy*, 5th ed., which will be published by Jones and Bartlett early in 2010.

Richard Cifelli, along with Cindy Gordon, Assistant Professor in OU's department of Zoology, and a Research Associate in vertebrate paleontology at the museum; and graduate students Charles Baker and Brian Davis, accompanied the first *Paleo Expedition* team of ten high school students into Utah for two weeks of fieldwork as part of the ExplorOlogy® project. Fossil preparator Kyle Davies worked with the students in the museum's vertebrate paleontology laboratory, teaching them techniques in fossil preparation.

Cifelli was interviewed for a new Discovery Channel program titled "Jurassic Predators." The program will feature the museum's *Tenontosaurus* and *Deinonychus* specimens and will air in 2010.

Invertebrate Paleontology

Curator Steve Westrop, along with graduate students and colleagues from the University of Cincinnati, Ohio State University, and SUNY Potsdam, began field work in the summer of 2009 on a large, collaborative NSF-funded project that will look into extinctions of trilobites in eastern North America from the Ordovician period, around 450 million years ago. Sediments from erosion of the newly uplifted mountains in that area caused widespread environmental changes across the eastern part of the continent and may have caused the extinctions. The work will continue over the next two years at sites in Virginia, Tennessee and Ontario, Canada. The data collected at these sites will be compared with information collected from Oklahoma, where no such environmental changes occurred.

Invertebrate Paleontology with Paleobotany

Work continues on a joint databasing project funded by the National Science Foundation. The project will use a database program called *Specify* to allow access to the collections of both departments and make them Web searchable. Paleobotany collection manager Margaret Landis has been compiling catalog information to upload to the system. Information for 7,000 objects from 2,300 localities has been prepared from that collection. In Invertebrate Paleontology, collection manager Roger Burkhalter has been producing high-quality digital images of several views of specimens with a goal of making the collection accessible for "digital loan" to scientists. These high quality images will be available to scientists for research, eliminating the need to ship actual specimens in many cases.

As part of the grant, Westrop is working with paleobotany curator Rick Lupia on creating a public-access Web site called "Common Fossils of Oklahoma," which will feature images from the museum's collections, plus information about what paleontologists do, what Oklahoma was like in different time periods in the past, and the geologic timescale for use by the public and by Oklahoma educators. The new Web site will replace the current "Common Fossils of Oklahoma" listing on the museum's Web site sometime in 2010.

Paleobotany and Micropaleontology

Catalog information has been prepared for inclusion in PaleoPortal, a web-based searchable database linking institutions around the world. A student of Museum Studies has cataloged and indexed more than 400 topographical maps from the files of former Paleobotany curator Leonard R. Wilson that

include his hand-written notations. Digital scans of 270 of these maps also were made for inclusion in the collection's catalog.

Lupia is working to secure funding for a research project on the palynology (fossil spores and pollen) of the early Permian in north central and southwestern Oklahoma. The research is based in part on collections made by OU paleobotany students for classwork over the past several years.

Mammalogy

In 2009, the mammals department, curated by Michael Mares and Janet Braun, added more than 1,500 specimens to its collection, making it the 22nd largest mammal collection in the Western Hemisphere. Some additions resulted from ongoing research projects in Argentina, some were deposited with the museum from an ecological project conducted in west Tennessee, and some resulted from recent collections made in Le Flore County, OK. The last is an ongoing collaborative project with museum herpetology curators that has yielded a number of small mammals either not previously recorded for the county, or not collected for the area in more than 50 years. Le Flore is one of many Oklahoma counties that have been poorly sampled for organisms. The project provides new information on species distributions in southeastern Oklahoma and contributes to the foundation of the state's conservation strategy.

Mares and Braun continue to work toward completion of a comprehensive book and DVD project on the mammals of Argentina, and conducted museum research in Great Britain and Argentina. Braun and Mares, along with colleagues from Oklahoma State University, also have described a new species of grass mouse from Argentina – the 12th new species discovered during their 15-year exploration of Argentina. The description has been accepted for publication early in 2010.

Mares' book, *A Desert Calling: Life in a Forbidding Landscape*, published by Harvard University Press, will appear in a Chinese translation in 2010. It has also been published in Korean.

Ichthyology

Curator Edie Marsh-Matthews has been working in collaboration with OU endocrinologist Rosemary Knapp to examine the effects of stress hormones on mosquitofish. Early results show that, at certain levels, the hormones have the effect of masculinizing female fish without preventing them from

Longear sunfish (*Lepomis megalotis*) caught during collections made in streams on the Tinker Airforce Base in Oklahoma City. Photo: Bill Matthews.

being able to reproduce. The team will be conducting additional experiments.

Beginning in the summer of 2009, Marsh-Matthews began a long-term survey project on Tinker Air Force base studying the effects of urbanization on streams around the base. The project will continue through 2011.

Marsh-Matthews also described a new species of fish from southeast Oklahoma and southwest Arkansas. The Sam Noble fish collection was critical in the species description. Marsh-Matthews relied on collections from the museum that were made 40 years ago—as well as a single fish in a Paris collection dating from 1859—to confirm the new species identity. The description has been accepted for publication and will appear in 2010.

Ornithology

The bird collection (curated by Gary Schnell) received a significant gift from East Central University of 168 nests collected from Oklahoma and Colima, Mexico.

Recently, the department completed a two-and-a-half-year project to assign georeference data (latitude and longitude) to all Oklahoma bird specimens in all major museum collections across the United States. The project is part of ORNIS: the Ornithological Information System, a collaborative data portal funded by the National Science Foundation that provides a suite of online software tools for data search and analysis from bird collections nationwide.

Herpetology

Curators Janalee Caldwell and Laurie Vitt are nearing completion of a multi-year study of Oklahoma Wildlife Management Areas funded by the Oklahoma Department of Wildlife Conservation. Surveys of the three WMAs originally in the grant—Packsaddle, Atoka and Cookson Hills—have been completed and information about the results is available on the herpetology Web site at http://www.snomnh.ou.edu/personnel/herpetology/vitt/WMA/index.shtml. The pair will be conducting survey work at two additional sites in 2010.

Caldwell, in collaboration with colleagues in Brazil, described a new species of frog from South America and published an in-depth re-description of another species first described at the turn of the 19th century. The third edition of the pair's widely used textbook *Herpetology: An Introductory Biology of Amphibians and Reptiles* also was published this year by Academic Press.

The herpetology collection has grown through collections made by Vitt and Caldwell in Le Flore county, where they have been engaged in a long-term survey of reptiles and amphibians, as well as small mammals and insects, a project on which they have partnered with the museum's mammal curators. The herpetology department also received a collection of whiptail lizards from Arizona through the research of OU graduate student Randy Lewis.

As with other departments, the herpetol-

ogy collection is in the process of digitizing catalog records and making them accessible through the World Wide Web. Herpetology collections database records are now georeferenced and will be uploaded to the national portal site HerpNet in 2010. Volunteers are assisting with the digitization of the collection by scanning and cataloging more than 30,000 color slides of animals from the field.

Herpetology curator Laurie Vitt sets traps along a drift fence for collecting reptiles and small mammals in Le Flore County, OK. Photo: Janalee Caldwell.

Archaeology

Curator Don Wyckoff —with former students David Cranford and Elsbeth Dowd—compiled a monograph published by the Oklahoma Anthropological Society on the geoarchaeology of the Cross Timbers. The monograph is a study of buried soils that provides an outline of 13,000 years of landscape and climate changes that took place in central and southwestern Oklahoma, and how these changes affected archaeological sites in those areas.

Collection manager Liz Leith has been supervising the work of two students funded by a grant from the Army Corps of Engineers to repackage artifacts using archival materials. This is part of an ongoing effort to improve the overall stewardship of the collection's 3 million artifacts.

Graduate students in archaeology have been engaged in re-analyzing objects from the collection. Graduate student Justin Moe is in his third year of a contract with the Bureau of Reclamation, Department of the Interior, to re-analyze objects collected in 1964-65 from an area that is now the Lake of the Arbuckles. His study uses new information about where the flint used for tools was collected and will provide for new radiocarbon dating of some materials.

Tim Baugh, research associate from the Oklahoma Office of Historic Preservation, has been using the archaeology collections in his research on the prehistory of the Wichita tribe.

Ethnology

Ethnology curator Dan Swan worked closely with the Kiowa community in preparation for the major exhibition *One Hundred Summers: A Kiowa Calendar Record*, which opened May 1. With the help of museum exhibits and audio-visual technician Michael McCarty, Swan produced a 12-minute video for the exhibition titled *Painting a New Tipi With Battle Images*, featuring interviews with prominent Kiowa elders. Swan and McCarty were also granted exclusive access to the 50th anniversary ceremony of the Kiowa Black Legging Society to document the proceed-

ings in a 6-volume DVD set that has now been deposited with the Library of Congress.

Swan's research has focused on the musical tradition in the Native American Church among the Navajo. He also has helped to develop a two-CD set of Native American Church music for the Cheyenne-Arapaho tribe, and will be looking at ways of collaborating with other Native communities to help document and preserve their traditions through multi-media materials.

The Ethnology collection was able to add some important Native American objects through purchases made possible by the Fred and Enid Brown endowment. There also were several significant donations to the collection, including several works by George M. Sutton, and a collection of objects from Ethiopia, including 61 Ethiopian neck crosses, donated by Kiska Williams, who was the wife of the political officer at the Embassy in Addis Ababa from 1979 to 1982.

Native Languages

Curator Mary Linn is completing several years of work preparing a Euchee language dictionary, a project funded by the National Science Foundation. The work is in its final stages and a manuscript will be ready in 2010.

The Native American Languages collection has been designated as an official repository site for National Science Foundation-funded Documenting Endangered Languages grants in Oklahoma and surrounding states. To date, the collection has received a complete set of copies from the Lenape Delaware Language Project and notification that a large Choctaw language project also will be deposited with the museum. The collection has also received the Osage archives from the estate of affiliated research associate Carolyn Quintero. These archives represent the life's work of Quintero's Osage language documentation. The collection includes recordings of the last fluent native speakers of the language, now all deceased. With this gift, the museum's Native American Language department houses the largest collection of modern Osage recordings in the world.

Recent Invertebrates

The re-curation and databasing of the museum's mollusk collection was completed in 2009 with funding from the Institute of Museum and Library Services, and the database has been made available on the museum's Web site and on the Global Biodiversity Information Facility (GBIF), a database portal

Winners in the 2009 Oklahoma Native American Youth Language Fair pose with their trophy. Photo: Linda Coldwell.

to collections around the world. Janet Braun, acting curator of Invertebrates, notes that the cataloging of the more-than-500,000 specimens in the recent invertebrates collection is an ongoing project that also will take years to complete. Dragonflies and certain genera of bumblebee have been completed to date, with individual specimens re-housed, cataloged and databased. When this process is complete, the Sam Noble Museum will be one of only a few museums in the world whose recent invertebrate collection is fully cataloged, databased and georeferenced.

Genomics

Although only established in 2006, the genomics collection (Janet Braun, curator) continues to be one of the fastest growing collections in the museum, having added 1,636 samples in 2009 for a current total of 7,947 samples from 231 genera and 404 species of mammals, reptiles, amphibians and birds. The collection is now the 12th largest collection of mammal tissues in the U.S. The growth of the collection has prompted the acquisition of a third ultra-cold (-80) freezer, with storage racks and boxes, to accommodate it. Samples from the collection are being used in studies of molecular systematics by scientists from the museum, other OU departments and other institutions in the U.S. and the world.

A bronze sculpture by Willard Stone (Cherokee) is among the gifts made in 2009 to museum collections. Photo: Kate Barr.

Gifts to Collections

The museum received gifts to collections in 2009 from the following:

William Carter
Tiajuana King Cochnauer
Robert DeVore
Gonzalo Ferrer
Reginald Harris, Jr. & Dona Winslow
Michael P. Hoffman
Jason Jackson
Gordon Leaman
Peggy McClanahan
Anna Quintero Murdick
Bruce Pearson
Marcos Quintero
James Rementer
Henry Saulnier
Robert Schick
Constance Taylor
Laurie Vitt
Kiska Williams
Howard G. Wilshire
Don Wyckoff

"...Those who learned to collaborate and improvise most effectively have prevailed."

—Charles Darwin

Museum Membership

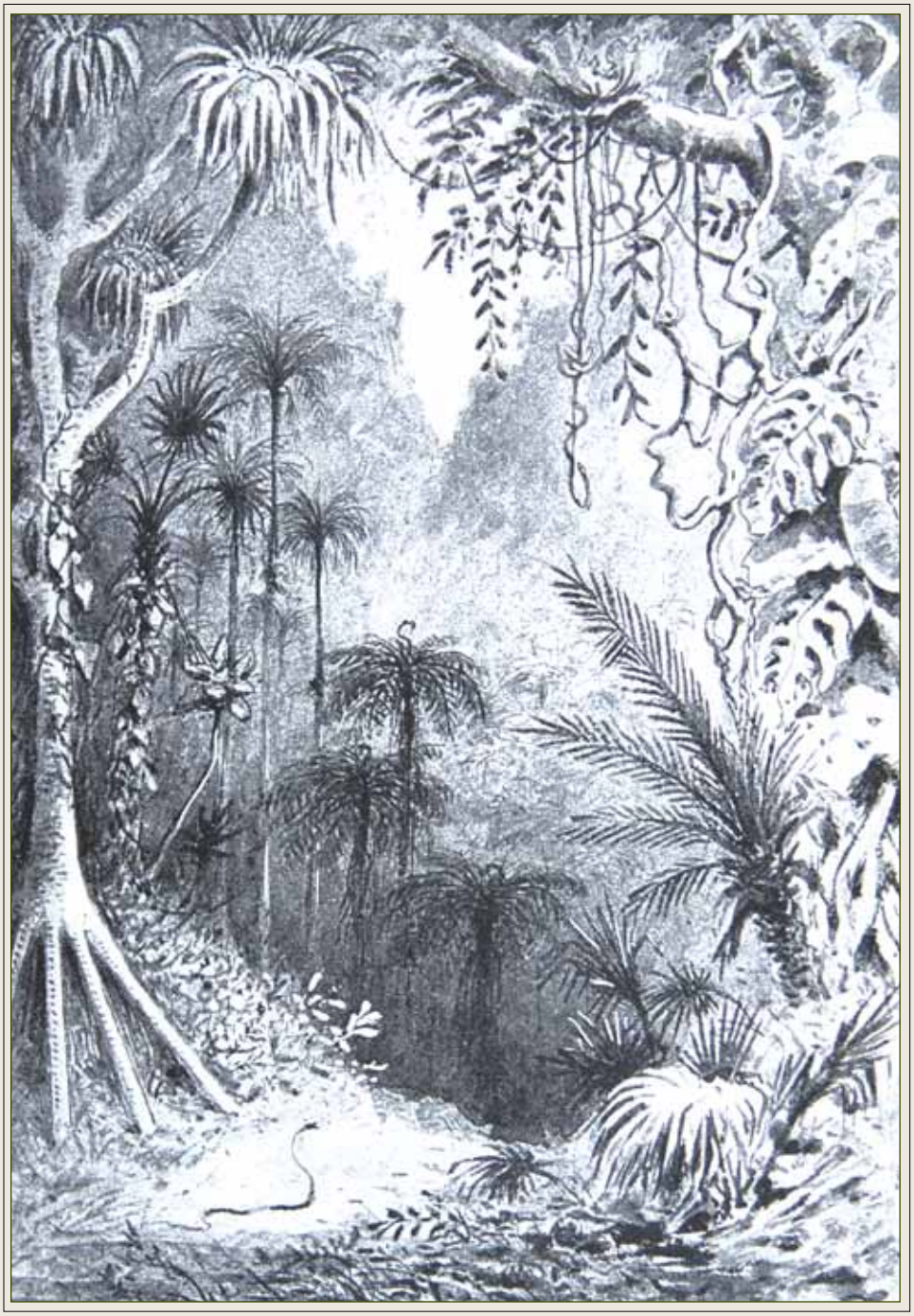
In 2009 the museum boasted more than 2,000 members. Through the course of the year, members were invited to take part in five exclusive membership events, including opening receptions for *Touch the Sky: Prairie Photographs by Jim Brandenburg*, Feb. 13; the *Noble Corporation and Noble Energy Orientation Gallery*, March 28; *One Hundred Summers: A Kiowa Calendar Record*, April 30; and the dual opening for *Drawing the Motmot* and *Darwin at the Museum* on Oct. 9.

Members also enjoyed a chance to tour museum collections and laboratories and talk with curators, collection managers, and other staff at the annual Members Night Behind the Scenes, which took place on Oct. 20.

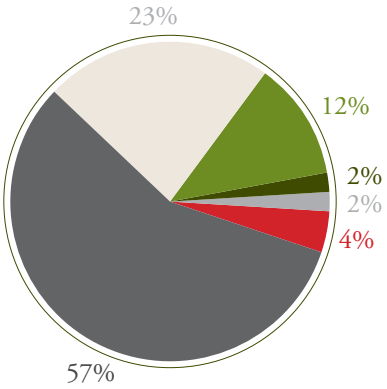
Muse-A-Palooza

The museum's fundraiser event took place on April 25, with a "Treasures from the Vault" theme featuring a showcase of never-before-exhibited objects from museum collections. Guests enjoyed dancing to live music by Triple J Jazz, the 395th Army Band, and bidding in a live auction for a range of items including jewelry, sports ticket packages, travel and leisure packages, VIP behind-the-scenes tours of the museum's laboratories and collections, restaurant packages and more.

Young guests at the museum's annual Members Night Behind the Scenes examine a collection of butterflies in the invertebrates collection. Photo: Krysten Sanders.

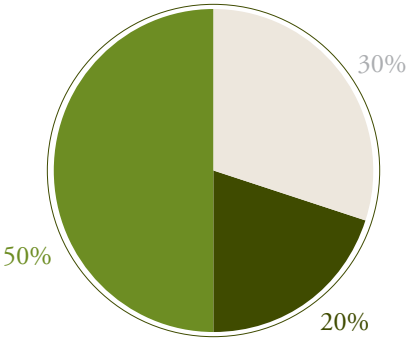


Annual Budget (FY 2009)



Total Revenue: $6.8 million

- State Allocation |$3.9 million
- Gifts | $1.6 million
- Earned Income | $770,000
- Investments | $140,000
- Special Project Support | $150,000
- Grants and Contracts | $280,000



Total Expenses: $6.8 million

- Operations | $3.3 million
- Collections and Research | $2.1 million
- Exhibits and Public Programs | $1.4 million

"A man's friendships are one of the best measures of his worth."

—Charles Darwin

2009 Volunteers

Mitzi Aldrich
John Allen
*Kevin Anderson**
Joe Baalke
Paula Baker
Mervin Barnes
Andrea Barnett
Donald Batchelor
Leonard Beevers
Alice Bentin
Nick Bentin
Thomas Bernstein
Charlotte Bert
*Kaely Bond**
Jane Bowerman
Betty Braun
Anita Marie Brosius
Jordan Buswell
Dan Bye
Betty Callaghan
Ann Callahan
John Campbell, Sr.
Meg Carr
Jacob Carson
Rhota Jean Chapman
Jamison Clair
Jean Cochrane
Nancy Coleman
Carl Collier
Lenore Collier
Helen Copp
Chad Crumley
DeAnna Dalke
Sandra Dalke
Alisha Davis
Paul Dawson
Laura Dean
Ruth DeSilver
Dustin Dewett
Bette English
Dennis Erfourth
Cathy Fagan
Connie Falleaf
Irene Felkner
Harriett Fergason
Amanda Finnen
*Manon Fisher**
Betty Flora
Carolyn Folmsbee
Glenn Folmsbee
*Windy Fox-Ford**
John Fryberger
Melinda Fuson
Mike Galoob
Teresa Galoob
*Aaron Garbarino**
Carmelita Garrison
Neil Garrison
Pat Garrison
Mike Gentry
Ann Geurkink
Kevin Gildea
Christie Godec
Pat Goodey
Delfar Grant
Marjorie Greer
Eileen Grubbs
Tom Gunning
Marilyn Hammond
Susan Hardin
Sandy Hasty-Pratte
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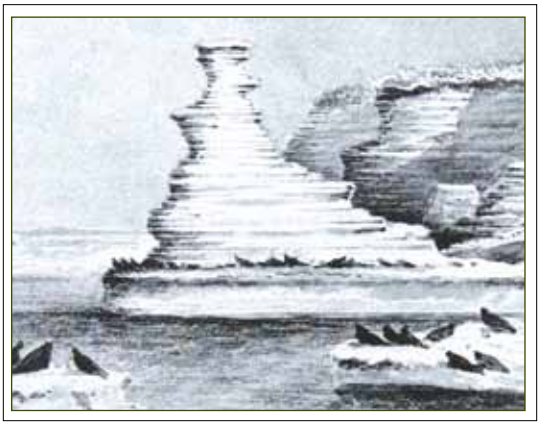

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