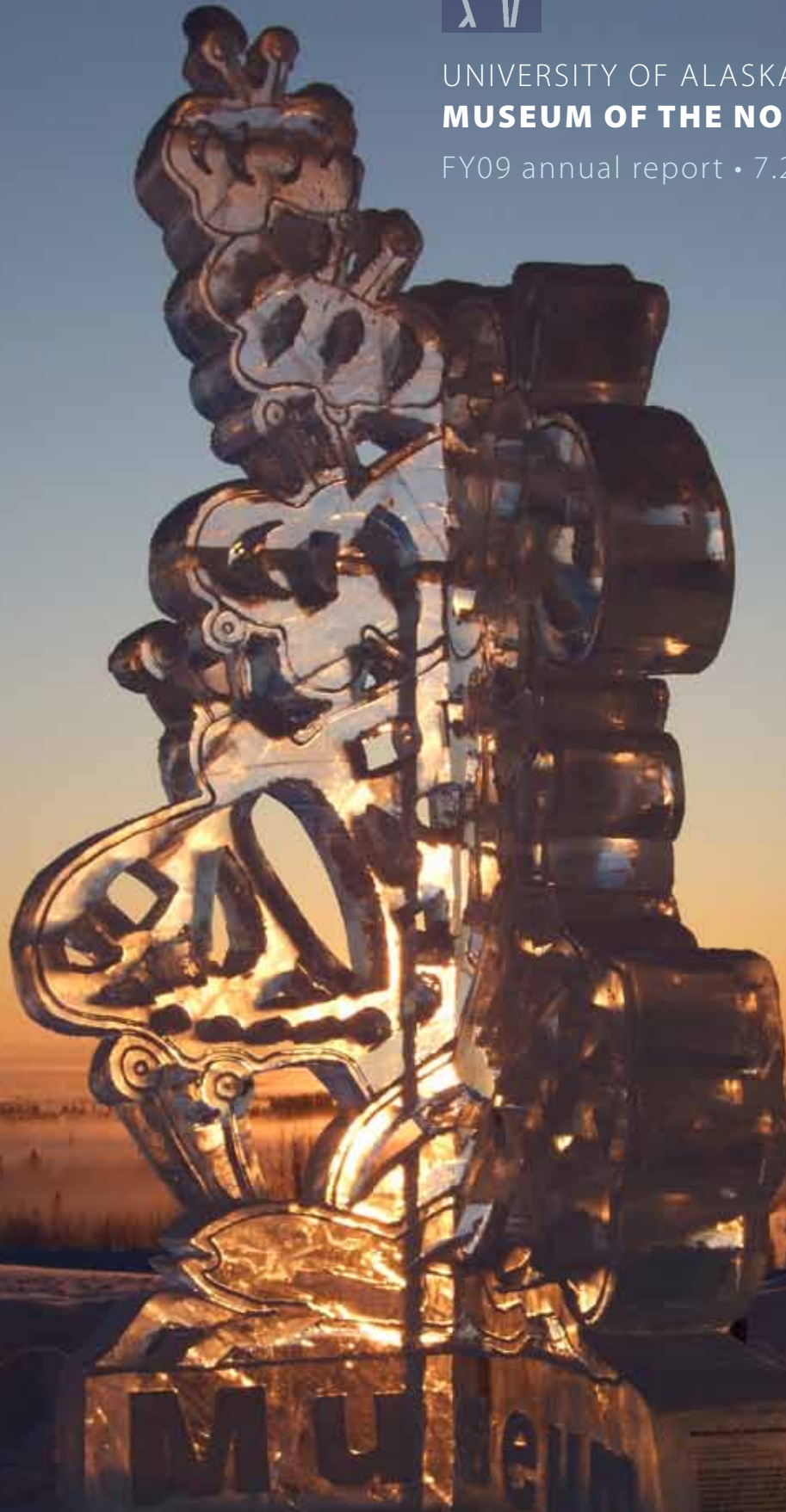




UNIVERSITY OF ALASKA
MUSEUM OF THE NORTH

FY09 annual report • 7.2008–6.2009





The University of Alaska Museum of the North, located on the Fairbanks campus, is the only museum in the state with a tripartite mission of research, teaching, and collecting. The museum's botanical, geological, zoological, and cultural collections, primarily from Alaska and the Circumpolar North, form the basis for understanding the local as well as the global past, present, and future. Through collection-based research, teaching, and public programs, the Museum shares its knowledge and collections with local, national, and international audiences of all ages and backgrounds.

Museum Professional Staff

Carol Diebel, Museum Director

Administration

Barbara Ellanna, Fiscal Professional
Andrew Quainton,
Assistant to the Director
Linda Sheldon, Fiscal Technician

Advancement & Marketing

Lloyd Huskey, Director

Alaska Center for Documentary Film

Leonard Kamerling, Curator*

Archaeology

Jeff Rasic, Acting Curator
James Whitney, Collection Manager

Communications

Kerynn Fisher, Manager

Earth Sciences

Patrick Druckenmiller, Curator*
Amanda Hanson, Curatorial Assistant

Education

Laura Conner, Director
Jennifer Arseneau,
Education Program Leader
Peggy Hetman,
Public Liaison
Roger Topp, New Media Producer

Entomology

Derek Sikes, Curator*
Jozef Slowik, Curatorial Assistant

Ethnology and History

Molly Lee, Curator Emerita
Angela Linn, Collection Manager

Exhibition & Design

Steve Bouta, Chief Preparator
Tamara Martz, Production Assistant

Genomic Resources

Aren Gunderson, Coordinator

Fine Arts

Mareca Guthrie, Collection Manager

Herbarium

Steffi Ickert-Bond, Curator*
Jordan Metzgar, Collection Manager
Dave F. Murray, Curator Emeritus
Carolyn Parker, Research Professional

Ichthyology

Andres Lopez, Curator*

Mammalogy

Link Olson, Curator*
Brandy Jacobsen, Collection Manager
Dusty McDonald, Programmer

Operations

Kevin May, Manager

Ornithology

Kevin Winker, Curator*
Jack Withrow, Collection Manager

Visitor Services

Daniel David, Manager & Retail Buyer
Morgan Simpson, Store Supervisor
Janet Thompson, Assistant Manager
& Tour Coordinator

* UAF faculty holding joint appointment

Museum Advisory Committee

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Linda Anderson
Jane Behlke
Michael Burns
Mary Jane Fate

Kirk Lanterman
Jim Lund
Bob Magee
Sherry Modrow
Grace Berg Schaible

Therese Sharp
Bill Stroecker
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Richard Wien
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Bill Stroecker
Ellen Whitcker



Chilkat wallhanging by Anna Brown Ehlers, purchased with funding from the Rasmuson Foundation Art Acquisition Initiative.

The Year in Numbers

Total attendance: 92,900

Number of free events: 14
Attendance at free events: 3,230

Volunteer hours: 5,244
Full-time staff equivalent: 2.5

Accessions: 296
New specimens: 29,215
Outgoing loans: 113

Museum Director: Carol Diebel
Editor: Kerynn Fisher
Designer: Dixon Jones

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Cover: A four-person team from China created the museum's 2008-09 butterfly-themed ice sculpture, *Awakening Transformation*. Photo by Tamara Martz



The University of Alaska Museum of the North is accredited by the American Association of Museums.



The University of Alaska Fairbanks is accredited by the Northwest Commission on Colleges and Universities.

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University of Alaska Museum of the North
PO Box 756960
Fairbanks, Alaska 99775
Tel 907.474.7505
Fax 907.474.5469
museum@uaf.edu

museum.uaf.edu
www.facebook.com/alaskamuseum
www.twitter.com/alaskamuseum

From the Director



Courtesy of Carol Diebel

Dear Friends,

I'm honored to share with you some of the highlights of the University of Alaska Museum of the North's FY09 fiscal year.

Though I didn't begin my tenure as the museum director until after the close of the FY09 fiscal year, when you read about our activities, I think you'll see why I was drawn to this museum.

With world-class research collections combined with engaging exhibits and outreach programs, the University of Alaska Museum of the North serves very diverse audiences, including visitors from around the world, an international research community and the communities across the state. In FY09, the museum's research, exhibits and research programs served all those audiences admirably.

Field research took our faculty curators and students to all corners of the state as well as several international sites. Often in partnership with federal agencies and community organizations, this work added new specimens and artifacts to our collections, helping us document Alaska's natural history and cultural traditions. We were also honored to co-host the American Society of Mammologists' 2009 annual meeting, an event that brought hundreds of researchers to Fairbanks and gave us a chance to highlight our research programs and our Fairbanks home.

Our exhibits continued to reach diverse audiences. The fiscal year began with a hunting and trapping exhibit. Many of our lectures and family programs were developed to complement that exhibit. We closed the year with a timely photography exhibit that highlighted the impact of climate change on polar bears.

In addition to our existing museum-based education programs, we launched a new initiative to take a planetarium outreach program to rural Alaska school districts. We hope to inspire future generations of scientists through this program, a NASA-funded partnership with UAF's Geophysical Institute.

We did all of these in very challenging economic times. Though we are a state-supported museum, state funding typically accounts for only a third of our budget. A downturn in tourism in Alaska took its toll on our visitation and with it visitor-based revenue, which also accounts for almost a third of our income.

While major economic challenges remain, my first few months at the museum have assured me that the museum is in an excellent position to weather these storms. The strength of our collections and research partnerships, the dedication and expertise of the staff and support from the community will ensure that the museum continues to thrive.

Carol E. Diebel

Carol Diebel
Museum Director

Carol Diebel joined the museum staff in October 2009. She previously served as the director of natural environment at the Museum of New Zealand Te Papa Tongarewa, where she led the museum's natural history research, curatorial and collections team. She succeeded Aldona Jonaitis, who retired in September 2009 after 16 years as museum director.

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The Last Polar Bear special exhibit.

Tamara Mertz

Public Programs



Students learn about insects during a docent-led school tour program.

Tamara Mertz

Exhibits

During FY09, the museum presented four special exhibits:

Hunting & Trapping in Alaska's Interior: Our Stories, Our Lives

highlighted traditions and values passed down through generations of Alaskan hunters and trappers. The exhibit's six-month run was designed to capture both the summer visitor season and the local audience in fall. Several programs were offered in conjunction with the exhibit, including a day-long expo with demonstrations by local experts, a family program on mammal tracking and the premier of the film "Eating Alaska." After the exhibit closed, several components were installed in the Gallery of Alaska, including a display of historic Winchester cartridges and 27 rifles from the history collection along with stone and bone tools from the archaeology collection.

Yuungnaqpiallerput/The Way We Genuinely Live: Masterworks of Yup'ik Science & Survival

highlighted the innovations and ingenuity that have allowed the Yup'ik people to thrive in the subarctic tundra of the Bering Sea coast. The exhibit featured more than 100 artifacts from national and international collections, including 19th and early 20th century tools, containers, weapons, watercraft and clothing. The Anchorage Museum and the Calista Elders Council developed the exhibit with guidance from Yup'ik elders and educators.

RENEW: Fairbanks Cityscapes examined changes in Fairbanks through the eyes of artists, architects and community planners. The exhibit featured objects from the museum's fine arts and archaeology collections, photographs submitted by community members, video footage from the archives at UAF's Rasmuson Library, a virtual tour of historic Fairbanks and planning maps from the Fairbanks North Star Borough and Fairbanks Downtown Association.

The Last Polar Bear, Facing the Truth of a Warming World used large-format color photographs by Steven Kazlowski to take visitors on a journey across the Arctic. Intimate photographic portraits portrayed the bears' annual cycle of life from mothers with cubs to adolescents at play to adults on the hunt. The Burke Museum at the University of Washington organized the exhibit. The Fairbanks showing was its only Alaska venue.

The museum also featured a short-term display of contemporary furnishings by Tanya Aquíñaga, the result of her week-long artist residency UAF.

Additions to the Rose Berry Alaska Art Gallery included a sculpture pair ("Iron Eskimo" and "Iron Matriarch") by Fairbanks artist Mike Croskrey and a 1902 oil painting by James Stuart. Staff also installed a new selection of Michio Hoshino's landscape and wildlife photographs in the Natural Wonders Gallery adjacent to the entrance to the Gallery of Alaska. This exhibit space is dedicated to Hoshino's work, with images selected from the 130 large-scale prints donated to the museum by Naoko Hoshino.

Education & Outreach

The museum launched a major new outreach initiative: taking a digital, portable planetarium to rural villages to inspire students in earth and space sciences. The three-year program is a partnership with UAF's Geophysical Institute and is funded by a \$488,000 NASA grant. In FY09, the program reached 2,700 Alaskans through classroom activities and community science nights.

Almost 3,700 Fairbanks-area school children explored the museum over the course of the school year, a 16% increase from the previous school year. Students on docent-led tours accounted for most of the increase (2,306 students; up from 1,836 in FY08). Visitation from independent teacher-led tours remained relatively stable at 1,388.

Thanks to the museum's continued partnership with Flint Hills Resources, classes on docent-led tours enjoyed free admission for their visit. The museum also offered its first "Home School Day" in FY09. This event, with docents in the galleries and hands-on materials available, served almost 200 home-schooled children and their parents.

More than 750 people attended the museum's FY09 lectures and film screenings. More than 130 attended the museum's Saturday Family Programs, which offer hands-on activities for child-adult pairs in a small group setting. The museum's public programs are offered throughout the academic year on subjects related to the museum's mission and exhibits. The fall 2008 programs were specifically selected to complement the hunting and trapping special exhibit.

continued on page 15



Keyynn Fisher



Keyynn Fisher



Temara Martz

CLOCKWISE FROM ABOVE

Fairbanks painter Karen Austen demonstrates for visitors at the 2009 open house. **RENEW: Fairbanks Cityscapes** special exhibit. Volunteer Barb Gorman, at far right, demonstrates the Eskimo yo-yo for visitors.

Research & Collections



Herbarium researcher Carolyn Parker on Afognak Island.

Stacy Studebaker/USFWS



Earth sciences curator Pat Druckenmiller (far right) with Swedish colleagues and a plesiosaur specimen excavated in Svalbard.

Courtesy of Patric Druckenmiller

Archaeology

The department collaborated with the National Park Service on two projects in Gates of the Arctic National Park during the summer 2008 field season: an archaeological excavation at Matcharak Lake and surveys along the upper Noatak River. Permafrost at Matcharak Lake helped preserve organic artifacts at the 3,000-year-old site, including the largest assemblage of animal remains in Alaska for this time period. During the Noatak surveys, researchers documented ten previously unrecorded archaeological sites. Staff also participated in excavations of historical mining sites on the Middle Fork Koyukuk conducted by the Bureau of Land Management.

Early in the summer 2009 field season, the department worked with the NPS to re-assess 29 sites on the North Fork of the Koyukuk River that were first recorded in the mid-1980s. Two previously unrecorded sites were documented during this effort.

Staff and students conducted continued work to rehouse and catalog collections from several federal agencies, including Bureau of Land Management, US Fish and Wildlife Service, National Park Service, US Forest Service and the US Army Alaska. Funding from each agency supported the work on collections specific to that agency.

Staff and students also worked on several collections-based research projects using collections from St. Lawrence Island, the Kobuk and Noatak River Valleys and the upper Koyukuk River. Several of these projects resulted in presentations, papers and manuscripts.

Earth Sciences

Along with colleagues at the University of Oslo Natural History Museum, curator Patrick Druckenmiller conducted field work in Svalbard, Norway, excavating Jurassic marine reptiles including ichthyosaurs and plesiosaurs. Their work is documented in the History Channel special "Predator X."

Field work in the Talkeetna Mountains included the documentation of a new Jurassic fossil plant site and reconnaissance work to locate new research sites for vertebrate and invertebrate fossils in the area's Jurassic and Cretaceous rock formations.

Staff and students continued work on the 12-foot-long ichthyosaur recovered from the Brooks Range in 2002, cleaning the specimen to reveal the skeletal structure of the ichthyosaur. Druckenmiller's research included work to describe a Triassic ichthyosaur from Alaska's Brooks Range and a new Cretaceous ichthyosaur, based on a specimen at Royal Tyrrell Museum of Paleontology in Alberta, Canada. Efforts to document Cretaceous dinosaur tracks from Alaska's North Slope continued.

The department hosted the annual Alaska Geological Society Technical Conference on the UAF campus in April 2009. The conference drew approximately 100 members of the Alaska professional geoscience community, including industry and private sector representatives, state and federal agency staff and university researchers.

The complete inventory of the collection's specimens continued, with data on 3,000 of 60,000 specimens incorporated into the museum's multi-institution Arctos database.

Entomology

Curator Derek Sikes began a new partnership with the US Fish & Wildlife Service and the US Geologic Service to document the ecosystem assembly and post-eruption recovery of Kasatochi Island in the Aleutians. The project builds on Sikes' 2008 pre-eruption arthropod survey on the island.

Research efforts on federal lands and partnerships with agencies continued to add to the museum's collections, with 13,734 specimens cataloged and 274 new state species records documented in FY09. Specimens include 2,436 specimens from Kanuti NWR, 2,457 specimens from the Alaska Maritime NWR and 1,900 specimens from a transect survey between Fairbanks and UAF's Toolik Lake Field station.

Sikes' catalog of Alaskan arthropod literature records continued, bringing the total number of arthropod species documented in Alaska to 6,850 (up from 6,644 the previous year). Of those, 532 species are known only in Alaska (up from 509 the previous year). UAF graduate student Brandi Fleshman continued her work to update the Spider Fauna of Alaska checklist. The 1947 checklist included 247 species; the updated draft checklist now includes 558 species.

Sikes also continued his "backyard diversity" project, documenting species from his own property in Fairbanks. That study yielded five new state species records in FY09 (11 total since 2006), with a total of 13,238 specimens added to the museum collection to date. The project demonstrates how little is known about the Alaska insect fauna.

Ethnology & History

The department continued its long-term collaborative relationship with the cultural programs division of the Morris Thompson Cultural and Visitors Center, as the new center prepared for the opening of its exhibit space.



Derek Sikes



Keynote Fisher



Scott Shirer

CLOCKWISE FROM ABOVE

Female deer fly on the UAF campus.
Staff archaeologist Chris Houlette in the field on the North Fork Koyukuk River.
Ethnology curatorial assistant Micole Ogletree with new acquisitions at the 2009 open house.

Collection manager Angela Linn and education new media producer Roger Topp edited the companion folio for the hunting and trapping special exhibit. Linn also collaborated with the museum's education staff in the planning of several fall events offered to complement the exhibit. Curatorial assistant Micole Ogletree completed a comprehensive evaluation of the exhibit.

Linn completed the WESTPAS (Western States and Territories Preservation Assistance Service) Emergency Preparedness Workshop with museum operations manager Kevin May.

Film Center

Film curator Leonard Kamerling began a new collaboration with the San Francisco State University Program in Visual Anthropology: a multi-year visual study on the Maasai people in Tanzania and their migration from traditional homelands to urban centers.

In partnership with UAF's Student Support Services, Takashi Sakurai produced "It's Not Going to Change Unless I Change It." With footage from in Anchorage, Bethel, Fairbanks, Bethel and Juneau, the film tells the stories of students from low-income families who fulfill their dreams for a university education.

Work continued on two productions: "Strange and Sacred Noise," a collaboration with Alaska composer John Luther Adams, and "The Fire, The Sun, The Stars," a film biography of Alaska poet John Haines.

Fine Arts

Mareca Guthrie joined the staff as the coordinator for the fine art collection. She succeeded Scott Nacke, who returned New Mexico to finish his Ph.D. in art history.

Guthrie assisted with the *RENEW: Fairbanks Cityscapes* exhibit as well as the planning for the *Ascension* exhibit. She also began planning for the reconfiguration of the museum's imaging lab, which is used by several departments to document museum collections.

The museum's fine arts collection and the exhibition department hosted paper conservator Grace White. She spent six weeks in Fairbanks as part of the Paper Conservation Research Project, an effort sponsored by the Alaska State Museum with support from



Tamara Metz

the Rasmuson Foundation. During this time, she worked to conserve works from the museum's collection, including several Henry Wood Elliot watercolors.

Herbarium

Efforts to digitally image specimens from the herbarium continued, with high-resolution images of approximately 69,000 specimens and related data incorporated into the museum's Arctos database over the course of the year. Funded by the National Science Foundation, the imaging project began in May 2007 and by the end of FY09, 160,000 vascular plant specimens had been incorporated. As a result of this project, researchers, educators, agency staff and the general public can access a comprehensive representation of the museum's botanical holdings.

In a related project, the department worked with a UAF computer sciences student to begin development of an open-source optical character recognition (OCR) service using the Google Books application Tesseract. The service will extract text from labels on the specimen sheets to parse into data elements in the online database. When complete, the service will be available to other herbaria at no charge as an alternate to fee-based OCR services.

Curator Steffi Ickert-Bond continued her work on the "A Tree of Life" project, a National Science Foundation-supported collaboration with 14 other researchers to resolve the phylogenetic relationships in gymnosperms (naked seed-bearing plants). Her work focuses specifically on species in the order Gnetales, which includes Mormon tea and related plants.

Department staff began a collaborative effort with colleagues from the Alaska Plant Materials Center, the US Fish & Wildlife Service and the University of Wyoming to develop a field guide to Alaska grasses to complement more exhaustive taxonomic works.

Research associate Carolyn Parker initiated a botanical inventory of the Upper Black River, a project sponsored by the Bureau of Land Management. Staff also began work on a checklist of Alaska lichens with support from the National Park Service.

Working with the University of Oslo's Reidar Elven, curator emeritus David Murray began a final review of the Panarctic Flora Checklist. The checklist is a detailed account of all arctic vascular plants including accepted name, synonyms, type specimens, chromosome numbers and general distribution.

Following Alan Batten's retirement, Jordan Metzgar joined the department as the collection manager.

ABOVE Visiting conservator Grace White spent six weeks working to stabilize works from the fine arts collection and the UAF archives.

RIGHT *Little Village* by Micah Malcolm, purchased with funding from the Rasmuson Foundation Art Acquisition Initiative.

Micole Ogletree



Ichthyology

Andres Lopez joined the museum staff as the curator of ichthyology (fishes). He holds a Ph.D. in ecology and evolutionary biology from Iowa State University. He previously worked at the Florida Museum of Natural History, where he was a researcher in their ichthyology collection and directed the consolidation of the museum's genetic resources into a centralized repository. His research focuses on fish phylogenetics and systematics, comparing different fish species and populations to determine the nature of their genealogical relationships.

In his first year at the museum, Lopez worked with the Alaska Department of Fish and Game, the National Oceanographic and Atmospheric Administration and Point Stephens Research to have the museum serve as repository for specimens collected during ongoing surveys in Alaska and in the Arctic.

Lopez also began new studies on the genetic diversity of Alaskan freshwater species, with an initial focus on the Alaska blackfish and several species of whitefish. He also continued studies on the evolutionary relationships of all major fish groups and on the genome evolution of esociform fishes.

Mammalogy

Together with UAF's Institute of Arctic Biology, the museum hosted the 89th Annual Meeting of the American Society of Mammalogists in June 2009. ASM is the largest professional organization of mammalogists in the world, and the meeting brought more than 500 scientists to Fairbanks. Planning for the meeting was a major effort for the department during FY09. Curator Link Olson co-chaired the conference, and several staff and students served on the organizing committee.

Research continued on hoary marmots, work supported by the Alaska Department of Fish and Game. The study builds on recent research on alpine mammals, including collared pikas, singing voles and Alaska marmots, also supported by the ADF&G.

The department received a collection of walrus teeth from the US Fish & Wildlife Service. The collection represents approximately 20 years of harvests by subsistence hunters. The department also received a collection from the US Army Alaska of small mammals collected on Army lands in Alaska. Funding from both federal agencies supports the archiving of their material at the museum.

Department staff offered a training workshop on small mammal identification for National Park Service interns working in Denali National Park.

Ornithology

Department staff and students conducted seven field efforts, five in Alaska (Kodiak, Cordova and the Aleutian Islands) and one each in the Philippines and Russia. The collection grew by 1,000 specimens and now ranks among the top ten bird collections in the world with respect to vouchered genetic samples. Staff and students were involved with eight scientific presentations at three different meetings, including the American Ornithologists' Union meeting in Portland, Oregon.

Jack Withrow joined the department as the collection manager in January 2009, following Dan Gibson's retirement in 2008.

FY09 Field Research Sites



Locations in Alaska

Aleutian Islands
Arctic National Wildlife Refuge
Barrow
Black River
Castner Glacier Valley
Cordova
Fairbanks
Gates of the Arctic National Park and Preserve
Kobuk Valley National Park
Kodiak
Middle Fork Koyukuk River
Nome Creek
Palmer

Prince William Sound

Talkeetna Mountains
Wrangell-St. Elias National Park and Preserve
Yukon Flats National Wildlife Refuge

Outside Alaska

Spitsbergen, Svalbard Archipelago, Norway
Yukon, British Columbia, Alberta
Tanzania
Philippines
Russia



LEFT Graduate student Zachary Meyers doing herbarium field research in Kobuk Valley.

RIGHT Visiting researcher Michael Hardman looks for parasites in Pacific cod specimens from the museum's collection.

Selected Publications

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Museum staff and students are indicated in bold.

Staff Professional Service

Alaska Bird Observatory,
Scientific Advisory Committee
Alaska Entomological Society, Secretary
American Ornithologists' Union,
Associate Editor of *The Auk*
American Ornithologists' Union,
Checklist Committee
American Ornithologists' Union,
Committee on Bird Collections, Chair
American Ornithologists' Union,
Publications Committee
American Society of Mammalogists,
89th Annual Meeting, Co-Chair
American Society of Plant Taxonomists,
Chair, Publicity Committee
Biological Survey of Canada,
Scientific Committee Board Member

Conservation of Arctic Flora and Fauna,
Expert Group Member
Fairbanks Convention and Visitors Bureau,
PR Committee
Flora of North America, Board Member &
Regional Coordinator (Alaska & Yukon)
Grasses of Alaska, Steering Committee
National CINE Film Festival, Jury Chair
Panarctic Flora Checklist,
Editorial Committee
Registrars Committee-Western Region,
Secretary
UAF Kuskokwin Campus, Ethnobotany
Program, Advisory Board Member
UAF Troth Yeddha' Planning Committee
Western Museums Association,
Program Committee Member

Attendees at the American Society of Mammalogists Annual Meeting in June 2009.



James Barker

Development & Membership

The museum receives less than 40% of its funding from the state, making support from members, donors and business partners critical to daily operations.

Fairbanks Daily News-Miner, Flint Hills Resources, Holland America Line, Totem Ocean Trailer Express and Wells Fargo continued to serve as museum corporate partners in FY09, joined by BP and Northrim Bank. These partnerships support the museum's education programs, special exhibits and outreach events like the annual open house and Family Fun Fest.

In its sixth year, the museum's membership program raised \$51,115 from 741 members. Members enjoy free admission to the museum, a discount at the Museum Store and other benefits as our thanks for supporting the museum's mission.

Donors of Record

CORPORATE PARTNERS

\$20,000 and above

BP Exploration, Inc.
Totem Ocean Trailer Express, Inc.
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\$10,000-\$19,999

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UNDER \$250

Anonymous (4)
Kenneth and Ellen Adler
T. Kristina Ahlnas
Jaye R. Akey
Alaska Great Lakes Project
Alene R. Christiansen Trust
Dr. Vera Alexander
Thomas and Katherine Alton
Barbara and David Andersen
Janet Asaro

The museum's annual spring fundraiser, the Chocolate Bash, was one victim of the economic downturn. Faced with declining tourism revenue, many of the restaurants that traditionally supported the event could not commit in-kind donations of staff time, culinary expertise and chocolate delicacies. The event was put on-hold for 2009, with staff organizers using the hiatus to evaluate the event and make adjustments for the event's 2010 return.

The TOTE Family Fun Fest, the museum's summer fundraiser, raised more than \$31,160 through contributing sponsorships and admission revenue. The event brought more than 600 children and families to the museum for a day of hands-on activities under the big top tent on the museum's lawn.

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 D Rebecca Snow
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 Paulette M. Wille
 Nadine E. Winters
 Sherry and Terry Wolf
 James Wolfe and
 Carol Hogins-Wolfe
 James G. Wright



Honoring Mique'l formline print by Mike Dangel, donated to the fine arts collection by Aldona Jonaitis.

Gifts to the Collections

The museum's collections have grown through decades of fieldwork and research, careful cultivation and the generosity of people whose passion for science, culture and education leads them to support the museum's mission. We are grateful to our donors for their contributions during FY09.

Gifts to Earth Sciences

Bureau of Land Management North Slope Pleistocene vertebrate collection, approximately 3,000 specimens collected on BLM lands representing the largest regional collection of Ice Age mammals from the North Slope

Gifts to Education

Emile Chin-Dickey Seashell collection; rock and mineral collection
 Glen Simpson Caribou toe clicker
 Joanne Yorke Bunnell Sealskin parka

Gifts to Entomology

Alaska Summer Research Academy students 330 specimens collected in the Fairbanks area
 Matthew Bowser, Kenai NWR 35 specimens of species not previously represented in the museum's collection
 Dominique Collet 67 spiders from donor's private collection
 Robert Ellis 95 *Lasius sp.* ants from Sitka
 Ann Ferguson Seven misc insects from woodpile in North Pole
 Brandi Fleshman 100 aquatic insects from student collection in aquatic entomology course; 19 misc insects from USDA-ARS research sites in Delta Junction area
 Joseph Fortier, Gonzaga University Two paratype specimens of *Aleiodes tullyi*, 217 braconid wasps from around Alaska
 John Hudson, National Marine Fisheries Service 206 dragonflies from Kanuti NWR and other Alaska sites
 Peter Keller, Tetlin NWR Four ectoparasites from banded birds
 Leda Lotspeich-Cole, UAF 49 mosquitoes from undergraduate research project in K. Hueffer's lab
 Kelly May 176 specimens from pitfall trap samples from Talkeetna Mountains
 Brian & Diane Okonek, ADF&G Misc insects from Round Island
 Alberto Pantoja USDA – ARS 8,410 specimens from USDA research projects in interior Alaska
 Michael Rasy, UA Cooperative Extension 10 weevils (*Gymnetron antirrhini*) from Anchorage
 Deborah Rudis, USFWS 136 insects collected near Juneau
 Mark Schultz, US Forest Service Two hahniid spiders from Anchorage
 Todd Sformo, UAF 15 *Camponotus* ants (voucher specimens for freeze tolerance study)
 Derek Sikes 589 misc arthropods collected around Alaska
 Joey Slowik 415 misc arthropods, mostly spiders collected around Alaska; 785 arachnids from Prince of Wales Island
 Susan Woods, UAF 14 grasshopper voucher specimens
 UAF Summer Sessions field entomology students 78 specimens from around Fairbanks

Gifts to Ethnology & History

Jennifer Arseneau Matanuska Maid Dairy baseball cap
 Gerald Barbar Greenlandic Inuit kayak model
 Tommie Calkins Pair of polar bear mukluks from Shishmaref
 Wanda Chin and Terry Dickey Alaska Flag song on a 45 RPM record
 Rex Fisher "Vote for Statehood" handmade sign
 Mark Glunz Two pair of mukluks from Anaktuvuk Pass; one caribou jawbone dogsled
 Annie Hooper Seven ethnological objects collected by her parents, Fred & Elizabeth Buechler
 Molly Lee Two Yup'ik grass baskets; Tsimshian frog carving
 Angela Montana "Alaska Moving Pictures Corporation" capital stock certificate, on behalf of the Steph Family

Margie Payne Robert Mayokok painting on black velvet
 Candace Waugaman Two ribbons from the Independent Order of Odd Fellows; "North to Alaska" board game

Gifts to the Film Center

Eskimo Museum, Churchill, Manitoba Archival recordings of music and elders' voices from St. Lawrence Island.

Gifts to Fine Arts

Don Cross J.W.L Forster painting
 Mrs. Al George Bernard Katexac print
 Ronald Inouye "Fence and Fold" by Wanda Chin
 Aldona Jonaitis John Webber print, Mike Dangeli print
 Casimera Konopka Joseph Konopka painting
 Werner Kramarsky 16 Minimalist and Post-Minimalist works on paper
 National Gallery of Art 50 works from the Vogel Collection
 Grace Schaible 58 Nancy Taylor Stonington watercolors
 Candy Waugaman George Frost watercolor c.1885

Gifts to the Herbarium

University of British Columbia Herbarium 873 bryophyte specimens from Alaska and British Columbia, William B. Schofield
 Smithsonian Institution 733 historical specimens from Western and Central Alaska, Shetler, S.G. et al.1957
 University of Michigan Herbarium 57 historical collections from 1950-1951, William S. Benninghoff, Alaska

Gifts to Ichthyology

Catherine and Anthony Mecklenburg, Point Stephens Research Specimens from fish surveys throughout the state

Gifts to Mammalogy

Mammal specimens donors:
 Kimberlee Beckmen, ADF&G; Karen Bollinger; Kent Bovee, Sitka School District; Kyle Cambell; Suzanne Carriere, Government of Northwest Territories, Canada; Allie Dewey; Nikolai Dokuchaev; Robert Dowler, Angelo State University; Robert Drozda; Melanie Flamme, National Park Service; Craig Gardner, ADF&G; John Haddix, U.S. Army; John Hechtel; Tina Holland; Aldona Jonaitis; Katie Kokx; Kris Larson, UAF; Trixie Lee; Thomas McDonough, ADF&G; Mary Meucci; Tom Paragai, ADF&G; David Roseneau, USFWS; Ken Severin; Joe Shults; Jason Turo; Kevin Winker; Jack Withrow

Marine mammal specimen donors:
 Reid Brewer, UAF Marine Advisory Program; Kathy Burek; John Burns; Anne Hoover, Alaska Sea Life Center; Dana Jenski, USFWS; Shannon Kovac, National Park Service; Lynda Leppert, Alaska Sea Life Center; Angela Linn; Bill Lucey; Barbara Mahoney, NMFS; Todd O'Hara, UAF; Lori Quakenbush; Katherine Savage; Jonathan Snyder, USGS; John Vogt

Gifts to Ornithology

Janet Capito Bird specimens
 Johannes Erritzoe Mute swan and other bird specimens
 Henry Springer New World dove specimens



In December 2008, the University of Alaska Board of Regents dedicated the museum's ornithology lab in honor of Henry Springer, a longtime supporter of the department.

Monique Musick/UA Public Affairs Office

Visitor Services

The museum continued to weather the storms of an economic downturn and declining tourism market.

For FY09, visitation decreased by 4% overall, finishing the year at 92,960 visitors.* The museum captured \$649,600 in admission revenue, a 3% decrease over the previous fiscal year. The museum did see an increase in tour group visitation in FY09, thanks in part to the museum's inclusion in Holland America's tour packages and as an optional tour for several cruise operators.

The museum's summer movies – *Dynamic Aurora* and *Winter* – brought in \$79,000, a 43% increase over the previous year. Changes to the daily show schedule and starting the presentations earlier in the season are credited with the increase in show revenue. Audio guide sales fell 17% during the fiscal year, primarily because many visitors opted for the show pass over the audio guide.

The Museum Store finished the year with \$766,000 in sales, a 12% decline from the previous year. Like decreases in museum admission, declines in store sales were largely a result of the national economic trends. The museum launched its online store in March 2009 with a combination of one-of-a-kind Alaska Native artworks and low-cost museum-branded objects. Online sales grew as the online

store became more established and the offerings expanded. New product development was put on hold due to budget shortfalls; however, significant progress was made on a DVD production of *Dynamic Aurora*.

The museum's visitor services staff and exhibition staff collaborated to improve signage on the parking kiosks to make the instructions more intuitive and to improve wayfinding with both interior and exterior signage.

Coupled with an expansion of the museum's summer hours for the 2008 summer season (remaining open until 9 p.m.), the museum changed its winter opening earlier (at 9 a.m.) on Saturdays and remaining closed on Sundays, beginning in fall 2008.

The museum hosted 50 events during the FY09 fiscal year, including 11 UAF receptions, six other UAF events, six book readings, two conference receptions and one wedding in addition to the museum's own events and programs.

* Because the museum's peak visitor season (June-August) spans fiscal years, the full effect of the decline in tourism will be spread out over our FY09 and FY10 fiscal years. Summer visitation in 2009 decreased 25% from 2008. Overall, the museum fared better than many other tourism businesses, some suffering 40% loss in visitor-related revenue during the summer 2009 season.

Education continued from p. 3

More than 450 visitors participated in the volunteer-led tours of the art gallery during July and August 2008. The department also coordinated artist demonstrations during the summer and during major annual events such as the military appreciation family day and the open house.

In the summer of 2009, the museum youth volunteers used the museum's hands-on collections and exhibits to present programs for summer visitors. The museum's first-ever Student Conservation Association intern, Christina Miller, led the youth volunteers.

Several curators and research staff members shared their expertise through other UAF programs, including the Alaska Summer Research Academy, Rural Alaska Honors Institute, Osher Lifelong Learning Institute and Summer Sessions. They also served as science fair judges, visited schools in the Fairbanks area and assisted with outreach events organized by state and federal agencies and local non-profit education groups.

UAF Courses

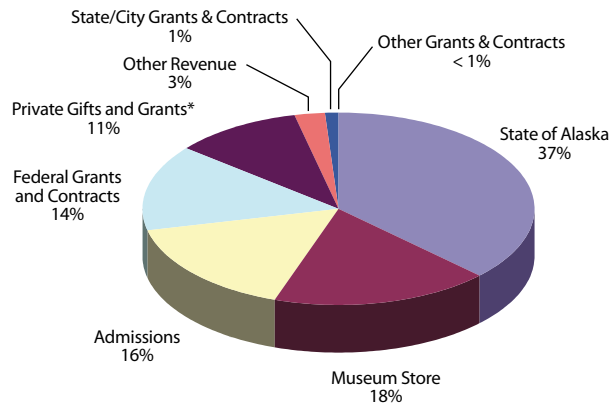
The museum's curators serve joint appointments as faculty members at the University of Alaska Fairbanks. During FY09, museum curators and other staff taught the following UAF courses:

ART 262 World Art History
ART 419/619 Life Drawing
ART 497 Museum Practicum
BIOL 192P Introduction to Alaska's Flora
BIOL 195 Field Entomology
BIOL 195 Introduction to Alaska's Flora
BIOL 331 Systematic Botany
BIOL 406 Entomology
BIOL 425 Mammalogy
BIOL 441 Animal Behavior
BIOL 497 Individual Study: Development of an Online Key of Cyperaceae of Alaska
BIOL 697 Independent Research
BIOL/NRM 393 Natural Resource Interpretation
ENG/FILM 217 Intro to Film
ENGL 688 Writing for Film and Television
ENGL488 Dramatic Writing
FISH 427 Ichthyology
FISH 497 Independent study
GEOS 492 Vertebrate Paleontology

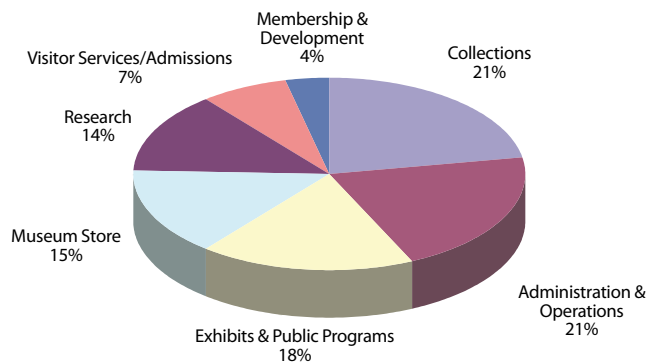
Many of these courses draw on the museum's exhibits and research collections. In addition, the museum serves as a valuable resource for other faculty members and for informal learning. During FY09, more than 2,600 UAF students visited the museum as part of their coursework and on their own time.

Financial Summary

INCOME		FY09
State of Alaska		\$1,625,080
Museum Store		788,253
Admissions		706,471
Federal Grants and Contracts		621,385
Private Gifts & Grants*		460,747
Other Revenue		114,689
State/City Grants & Contracts		45,264
Other Grants & Contracts		1,502
Total income		\$4,363,391



EXPENSE		FY09
Collections		\$967,244
Exhibits & Public Programs		775,256
Museum Store		641,899
Research		596,063
Visitor Services/Admissions		313,128
Membership & Development		161,256
Total expenses		\$4,363,391



* Note: Revenue from museum memberships, bequests and other private donations are held and managed by the University of Alaska Foundation and only appear in the museum's financial summary as those funds are transferred to the museum's spending accounts. For a detailed listing of the museum's private support, please refer to the Donors of Record listing on page 9.

Grants & Contracts*

Alaska Department of Environmental Conservation, Village Safe Water Program	
Deering Archaeological Collections (Rasic)	\$50,000
Bureau of Land Management	
BLM Archaeology Collections Management (Whitney)	\$20,180
National Science Foundation	
Artistic Production and Oral Tradition in a Yup'ik Community (Lee)	\$12,000
Capacity Extension and Imaging: Tessaract; REU supplement (Ickert-Bond)	\$18,599
Critical Upgrade to the Insect Collection (Sikes)	\$272,631
Gymnosperm AToL: Plastid Phylogenomics; RAHHS supplement (Ickert-Bond)	\$2,751
Gymnosperm AToL: Pollen Morphology and Ultrastructure of <i>Ephedra</i> ; REU supplement (Ickert-Bond)	\$7,500
National Park Service	
Cultural Exchange: Training & Logistical Support for Russian Delegations and Alaska Science Symposium (Rasic)	\$58,136
Murie Science and Learning Center Research Fellowship (Meyers)	\$4,950
Rasmuson Foundation	
Art Acquisition Initiative (Guthrie, Linn)	\$27,140
<ul style="list-style-type: none"> James Adcox – <i>Travis: portrait of a young man from Brevig Mission reclining against two Conex trailers</i> Anna Brown Ehlers – Chilkat wallhanging Nancy Burnham – <i>Daily Ritual</i> Sandy Gillespie – <i>The Word</i> Micah Malcolm – <i>Little Village</i> Ron Senungetuk – <i>Umealiq</i> 	
Front-End Evaluation for Exhibits (Conner)	\$5,000
UAF Provost Instructional Equipment Funds	
Videocamera system to aid in teaching (Ickert-Bond)	\$16,160
US Fish & Wildlife Service	
Arctic NWR Vegetation Sampling & ID (Batten)	\$2,813
Beetles & Spiders in the Aleutian Islands (Sikes)	\$24,044
Catalog & Re-house four Accessions from the Aleutians (Whitney)	\$5,000
Curate a Preliminary Aquatic Invertebrates Inventory Collection from Alaska Peninsula/Becharof NWR (Sikes)	\$677
Identify Alaska Peninsula/Becharof Specimens - Herbarium (Batten)	\$1,038
Identify/Report Vascular Plants Kodiak NWR - 2008 (Parker)	\$12,000
Insect & Plant Study – Kanuti NWR (Sikes, Parker)	\$6,452
Pleistocene Fossils – Selawik & Kobuk River (Druckenmiller)	\$20,400
Rehabilitation of Archaeological Collections from Amchitka Island (Whitney)	\$7,000
Survey of Aleutian Island Arthropods (Sikes)	\$8,500
US Forest Service	
Curation of Archaeological Collections from On Your Knees Cave (Whitney)	\$11,400

* This list reflects new grants and contracts awarded during the FY09 fiscal year only. It does not include multi-year grants or contracts awarded in previous years.



Umealiq by Ron Senungetuk, purchased with funding from the Rasmuson Foundation Art Acquisition Initiative.

Research Associates and Affiliates

Alaska Center for Documentary Film

John Luther Adams

Aquatics

Nora Foster

Archaeology

Claire Alix
Julie Esdale
Caroline Funk
Erica Hill
Howard Smith

Earth Science

William A. Clemens
Joseph Paine Dudley
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Sarah Fowell
R. Dale Guthrie
Paul J. McCarthy
Dave Norton
Thomas Hewitt Rich
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Education

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Herminia Wei-Hsin Din
Timothy P. Doran

Entomology

James Kruse
Alberto Pantoja
Steve Peek
Kenelm W. Philip

Ethnology & History

Ann Fienup-Riordan
Hiroko Ikuta
Steve Jacobson
Lawrence Kaplan
Michael Krauss
Patricia Partnow
Katrin Simon
Glen Simpson
Candy Waugaman

Fine Arts

Mary Goodwin
Charles Mason
Ken Tape
Kesler Woodward

Herbarium

Richard Bond
W. Scott Armbruster
Reidar Elven
Sarah Fowell
Gary Laursen
Robert Lipkin
Cynthia R. Meyers

Barbara Murray
Carl Roland
Leslie A. Viereck
Donald Walker

Mammalogy

Joseph A. Cook
Kimberlee Beckmen
John Burns
Nikolai Dokuchaev
Jacob Esselstyn
Heikki Henttonen
Stephen O. MacDonald
Thomas McDonough
Lori Quakenbush
Trina Roberts
Amy Runk
Eric Sargis
Gay Sheffield
Marcelo Weksler
Jack Whitman
Neal Woodman

Ornithology

Johannes Erritzoe
Kevin McCracken
Rose Meier
Heinrich Springer

Volunteers

Acquisition Committee

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Phyllis Movius
Glen Simpson
Kesler Woodward

Archaeology

Lori Hanson
Steve Lanford (12)
Jessica Zaydak

Earth Sciences

Victoria Florey
Ernie Luikart
Kelly May
Tim Williams

Education

Kristin Adam
Maïte Agopian
Liz Allen
Anguyaluk Jill Anderson
Amy Ash
Tom Baring (2)
Bill Barnes
Maggie Billington (4)
Bryan Birkholz
Caitlin Birkholz
John Boyle
Pat Cariati (4)
Anne Castle (4)
Al Cox

Leigh Anne Cox (4)
Denaueh Davis
Jim Deining
Mikey Dewey
Kathy Dubbs
Mary Gathoni Egger (2)
Quinn Evenson
Anna Fath (3)
Virginia Gallagher
Barbara Gorman (11)
Jack Grandfield (8)
Gretchen Hundertmark (2)
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Logan Johnson
Patricia Johnson (3)
Alexis Keller
Al Knapp (12)

Meryem Kugzruk
Mia McClain
Christina Miller
Luke Port
Marceline Post (2)
Joyce Potter (8)
Lorraine Province
Kathryn Richardson
Moki Rigby-Ronningen
Ellie Shaver
Adrienne Smith
Adele Solski
Mikael Stovarsky
Leslie Swenson (3)
Terry Tomczak
Tumi Traustason
Callie Underwood
Vincent R. Varieur
Avalon Wappett (4)
Sandra Wittenbrink

Entomology

Tim Bouta
Nora Foster
Kelly May (2)
Steve Peek
Sayde Ridling
Kaley Sikes
Jill Stockbridge

Fine Arts

Savanna Bradley
Nona Debenham
Somer Hahm
Kathy Hamby
John Smelter
Miki Smelter

Mammalogy

Danielle Gunderman
Maia Pierce (4)

Ornithology

Elizabeth Humphries (4)
Michael Schwitters (3)
David Sonneborn (4)

(#) For volunteers with more than one year of volunteer service to the museum, the number in parentheses indicates total years of service.

Students

Archaeology

Fawn Carter
Roberta Eastwood
Aimee Ely, B.S.
Jessica Peterson
Kelsey Vallejos

Earth Sciences

Jennifer Parsons
Kevin Stack
Jacob van Veldhuizen
Carrie Yardley

Education

Ariel Blankenship

Entomology

Carolene Coon
Brandi Fleshman
Sayde Ridling
Joey Slowik
Jill Stockbridge

Exhibition & Design

Eric Henderson
Yasunari Izaki

Herbarium

Eggemeyer Blake
Monte Garroutte, B.S.
Sayuri Ito, B.S.
Zachary Meyers
Celia Miller
Matthew Campbell

Mammals

Heather Bryant
Ryan Cooper
Iris Hartshorn
Kyndall Hildebrandt
Hayley Lanier
Sonia Peterson
Sumiyo Sekine, B.S.
Kirsten Woodard

Ornithology

Kyle Campbell
Elizabeth Humphries, M.S.

FY09 graduates are indicated by the degree received after their names.



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