

Tracks

Volume 38, Number 1

News from The Cleveland Museum of Natural History



**90 years and growing
Museum celebrates anniversary**

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January/February 2010

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Cleveland Museum of
NATURAL HISTORY



Keeping Track with the Director

As we ring in the new year, the Museum marks an important milestone. In 2010, we celebrate our 90th anniversary.

From humble beginnings that grew from a wooden building on Cleveland's Public Square to our current status as a world-renowned scientific institution, it has been a long and fruitful journey—an amazing nine decades dedicated to natural history, education, health, sustainability and the pursuit of science.

Thanks to our visionary founders and generations of dedicated leadership, staff and supporters, we boast a rich history of which we can be proud. The Museum's longevity is a reflection of the commitment of those who believe in our mission—then and now.

To learn more about the Museum's storied past and its many groundbreaking accomplishments, read the article featured on page 4 of this issue.

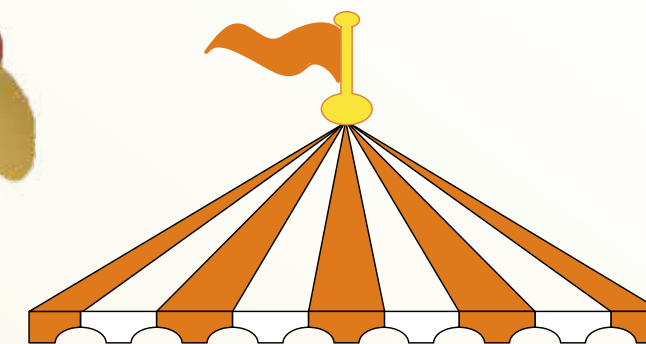
We are excited about commemorating this milestone with special events and quality programming. For instance, you won't want to miss our Curator's Forum Series, which kicks off in February. This popular lecture series showcases our curators and their important scientific research.

I encourage you to visit often, get involved, engage your mind and allow us to inspire you through science. We're looking forward to sharing this special year with our members and friends.

And finally, we need to bid a fond farewell to Dr. Joe Keiper, director of science and curator of invertebrate zoology. He will become executive director of the Virginia Museum of Natural History in February. Joe came to the Museum in 2000 and made headline news with his work as a forensic entomologist – working with the Coroner's Office, the FBI and the Bureau of Criminal Investigations. Joe's wife, Pam, also worked at the Museum as the coordinator of the Science Resource Center. We wish them all the best on their new life in Virginia.

Bonnie Cummings

Bonnie Cummings
Interim Executive Director
Chief Operating Officer



Amazing Feats of Aging

Exhibition examines fascinating facts about aging

Teenagers long for the muscles and curves that come with years. Baby boomers are on the lookout for the latest cosmetic way to make their faces look younger. Pre-schoolers wish they were big enough to ride older siblings' two-wheelers. Senior citizens long for the flexibility they once had.

Humans have long been fascinated with aging and how it impacts their bodies and minds, but how many of us fully understand why and how we age? An exhibition opening Jan. 23 at the Museum seeks to answer those questions and more. **Amazing Feats of Aging** explores the science of aging, putting emphasis on healthy aging, the aging brain and how animals age.

The interactive exhibition has three major themes:

Mysteries of Aging Revealed. Visitors consider what aging means and how it impacts them now and in the future. This section includes information about what aging is (A loss or gain; gradual or sudden; environmental or genetic); computerized software that can "age" visitors' faces up to 25 years; an explanation of free-radical cell damage, a major cause of aging; a look at the different speeds at which human cells age; and what people can do to promote healthy aging.

The Wild World of Aging. Explore the different ways in which animals age; look at inter-generational relationships of a variety of animals; compare male and female life expectancy; discover which animals live longest; and learn some of the signs of aging in animals.

The Amazing Aging Brain. Examine changes that occur in the brain with aging and how choices we make can nurture the brain. Discover how exercise, challenges and social experience enrich the brain and how a healthy brain changes as it ages; use a computer game to see how response times change with age; consider the vast vocabulary of older adults; and view a three-dimensional brain model and see how Alzheimer's impacts it.

The exhibition was designed to appeal to visitors of all ages and includes many family-friendly activities especially suited to intergenerational groups. Its end message: healthy aging is a slowing down while essential functions remain intact. While you can't avoid it, there are many healthy choices that can help people age gracefully.

Amazing Feats of Aging will be on display in Fawick Gallery through May 2.

Feats by humans

- The longevity winner is Jeanne Calment of France, who died in 1997 at age 122.
- The human brain has four times the information at age 60 than it does at age 20.
- Heart muscle cells and brain nerve cells have the capacity to last more than 100 years.
- Hearts of some 80-year-olds pump as efficiently as those of 40-year-olds.

Feats by animals

- Tortoises living on Galapagos Island today may have been alive when Charles Darwin visited the islands in 1835.
- Bowhead whales have been estimated to live more than 200 years.
- A black ant queen has the longest recorded life span for an insect – 28¾ years.
- Elephant family groups led by matriarchs 55 and older produce more calves than those with younger leaders. The older leaders were better at recognizing threats, researchers found.

2010 Natural Areas Native Plant Sale

Mark your calendar for April, when the third annual native plant sale takes bloom. The Natural Areas Division offers the sale exclusively to Museum members.

The sale features native plants that are difficult to find at local garden centers—All offered at significantly reduced prices as a benefit to members. Several popular favorites are available this year, including spice bush, paw paw and wafer ash, as well as new offerings such as shrubby St. John's wort, fragrant sumac, prickly pear cactus, mountain holly and eastern ninebark. In addition to shrub and tree selections, a variety of perennials will be available.

Don't miss out on this opportunity to incorporate some of Northeast Ohio's native plants into your landscape plans.

Pre-ordering is required by April 6.

For more information, contact Garrett Ormiston at (216) 231-4600, ext. 3352 or gormisto@cmnh.org. Details about the sale, order form and plant descriptions are available online at www.cmnh.org/site/Conservation/NaturalAreas/TreeSale.aspx.

Plants such as the wafer ash (left) will be available as part of the plant sale. The wafer ash is in decline in Northeast Ohio. As a result, the giant swallowtail butterfly is also disappearing from Cuyahoga county.

Take a step toward preserving these and other species for future generations by purchasing and planting native trees and shrubs available through our annual sale.



Celebrating 90 years

Museum keeps in step with growing scientific, education missions

The Museum draws visitors who are curious about the past and present, the world as it once was and how it is today. It is the site of daily “construction” – the building of young and old minds by educators and researchers. And that building process is never done, as so eloquently put by longtime Museum curator Ellen Walters in a 1973 article in *Tracks*: “There is no such thing as a finished natural history museum. The world changes every day. How can we remain the same.”



Clearly, the Museum has changed dramatically since its founding in 1920 and is poised for even more dramatic changes as it moves beyond its 90th anniversary in 2010. None of this would be possible without the vision and work of the 24 founders – business tycoons, bankers and pillars of the community. Within a few years, the founders had hired the Museum’s first director, established a library, became one of the first natural history museums in the U.S. to have an education department and opened exhibits to the public at its Euclid Avenue mansion, donated by Mrs. Leonard C. Hanna, Sr.



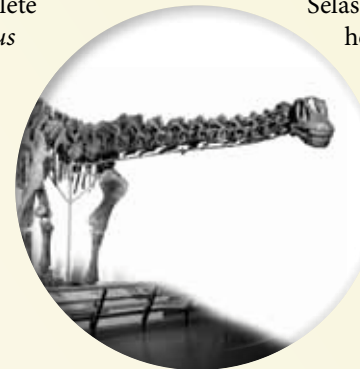
Change came quickly for the Museum team during the first decade. A three-year expedition to South Atlantic islands was launched and returned with an impressive collection of specimens. The ornithology department was formed. Two significant collections of precious and semi-precious gems and materials were donated. A popular lecture series was launched. An estimated 25,000 school children visited the museum each year.

Other expeditions – to Wyoming and Africa – were made by Museum officials. Clevelanders opened their hearts and wallets to rescue famed sled dog Balto and his team, who made their new home at the Brookside Zoo, which the Museum later took over at the request of Cleveland city officials. The Johnstown Mastadon was purchased. And the Museum installed the first nature trail in the North Chagrin area, which later became part of the Cleveland MetroParks system.



In the 1930s, the Museum was involved in the creation and early management of the Holden Arboretum, as well as more Cleveland area park trails. The Hanna Star Dome opened as Ohio’s first planetarium.

Many more “firsts” – often in the form of scientific discoveries – continued for the Museum and its leaders as the institution came of age. The fossil of *Dunkleosteus terrelli*, a predator fish in ocean waters which covered Ohio in the late Devonian Period, was discovered and named for David Dunkle, a former paleontologist at the Museum. A relatively complete *Haplocanthosaurus delfsi* – affectionately called “Happy” – was discovered by a CMNH-organized team.



Dr. Donald Johansen, curator of physical anthropology, discovered the partial remains for a new hominid species, *Australopithecus afarensis*. Nicknamed Lucy, the more than 3-million-year-old skeleton sparked international interest in the Museum. That interest spiked again years later with the discovery of another hominid species by an international team including Dr. Bruce Latimer, then curator of physical anthropology and later director of the Museum. Latimer, now with Case Western Reserve University, and Dr. Yohannes Haile-Selassie, the Museum’s curator and head of physical anthropology, were also part of the international team which discovered the 4.4- million-year-old hominid species *Ardipithecus ramidus*. Nicknamed “Ardi,” the



specimen is the earliest skeleton known from the human branch of the primate family tree. Its discovery was announced in the fall.

The Museum opened its current building in 1957. Many construction projects have followed to keep the institution in step with its growing scientific and education goals. Unique habitats have been purchased as the Museum’s preservation goals have developed. Throughout the years, the institution’s leaders have remained dedicated to its mission, a pledge “to inspire, through science and education, a passion for nature, the protection of natural diversity, the fostering of health, and leadership to a sustainable future.”



Look closer. Our cover image is found in the frame below. This diorama was one of the Arkites first collection pieces. It is currently displayed in the Museum’s Rare Book Room.

In a diorama, founders join in a single small wooden building on Public Square in Downtown Cleveland to explore and share their interest in the natural sciences.

Circa 1820



The 24 founders of the Cleveland Museum of Natural History

Institutions, halls, exhibits and natural settings throughout northeastern Ohio have been named after these visionaries.

- Harold T. Clark
- Lewis B. Williams
- Alvin C. Ernst
- O.P. and M.J. Van Sweringen
- Frank C. Newcomer
- Kermode F. Gill
- George Garretson Wade
- Cyrus S. Eaton
- Dr. George W. Crile
- Alva and Charles Bradley
- Warren S. Hayden

- Woods King
- Adrian Joyce
- Dr. Henry P. Cushing
- Frank R. Van Horn
- Warren Bicknell
- George W. Grandin
- Kenyon V. Painter
- Joseph P. Harris
- George M. Rogers
- Benjamin P. Bole
- Edmond S. Burke Jr.



“There is no such thing as a finished natural history museum. The world changes every day. How can we remain the same.”

The late Ellen Walters, Museum curator

Knowledge of dinosaurs is evolving

Those dinosaur facts you learned about in school 20 years ago or read about in books with your children might be markedly different from what visitors learn at **Dinosaurs: Ancient Fossils, New Discoveries**, the exhibition that continues through January 31 at the Museum.

“Science is constantly evolving,” said Dr. Michael Ryan, the Museum’s curator of Vertebrate Paleontology. “Research and new discoveries often lead us to re-examine what we think we know. This exhibition allows visitors to not only learn from the latest dinosaur discoveries, but to better understand the methods in which new information about these prehistoric creatures is updated as science progresses.”

The exhibition’s opening section examines new discoveries and

technologies changing our understanding about dinosaurs. It features the most complete dromaeosaur discovered to date, a highly agile and effective predator that flourished in Asia and North America during the Cretaceous Period. Scientific evidence is presented showing the fossil’s relationship to evolutionary links between birds and dinosaurs.

The Liaoning Forest diorama is the exhibition’s centerpiece, immersing visitors in a habitat that existed 130 million years ago in what is now Liaoning, China. Fossil discoveries from Liaoning have shed light on the origins of birds, mammals, feathers, flight and flowering plants. A small bird-like dinosaur is shown sleeping with its head tucked between its forearm and trunk with its tail encircling its body, a model based on the first discovered fossil of a sleeping theropod.

In the Extinction section, visitors explore evidence for theories on what ended the Age of the Dinosaurs. A slab of sedimentary rock from New Jersey clearly shows a thin layer of iridium, a metallic element that marks the boundary between the end of the Cretaceous epoch and the start of the Tertiary era about 65 million years ago. Some scientists believe the layer represents the remnants of a massive asteroid or comet that vaporized upon impact with Earth and contributed to extinction of 85 percent of all species on Earth including dinosaurs.

Dinosaurs: Ancient Fossils, New Discoveries was organized by the American Museum of Natural History in collaboration with the Houston Museum of Natural Science, California Academy of Sciences, The Field Museum and North Carolina Museum of Natural Sciences.

Eco-Minded: ideas for living sustainably

Cell phone recycling a good call

Are you the proud owner of a new cell phone? If so, you can make the call to put your old phone to good use.

By bringing your old cell phone to the Museum today, you can help preserve the environment for tomorrow. And your recycled phone will raise money to support Museum greening projects.

It’s easy. Simply bring your unwanted cell phones, and any chargers or cell phone accessories, during regular Museum hours to the Protection Services desk across from the Admissions area near the main doors.

Cell phones are collected and sent to a recycling facility in Northeast Ohio where they are tested. Reusable phones are reconditioned and sold. Phones that can’t be refurbished are dismantled. The recyclable materials are harvested and any waste is disposed of in accordance with current EPA regulation—Nothing is placed in a landfill.

Responsible cell phone disposal helps the environment and the community. The Museum receives a small donation for the phones. These proceeds go into a dedicated fund to further our efforts to make the Museum more sustainable.



Eyes of the Eagle exhibit



Lessons in healthy eating are presented in a colorful, engaging exhibition running through Jan. 24 in the Museum’s Corning Gallery. *Through the Eyes of the Eagle: Illustrating Healthy Living for Children* is based on the Eagles Books series written by Georgia Perez, a community health representative for Nambe Pueblo in New Mexico.

The books, featuring human and animal characters, were written to

promote exercise and healthy eating among children. The series was aimed originally at Native Americans and Alaskan Natives, but it speaks to all children. Diabetes has risen to epidemic proportions in the United States, and the Centers for Disease Control and Prevention was involved in the creation of the exhibition.

A wise eagle is the tribal elder in the books. He befriends a young boy and reminds him about the healthy activities

and eating habits of his ancestors. Other animal characters expand and reinforce those messages throughout the series, encouraging children to eat a variety of colorful foods and to keep moving.

The exhibition includes 65 watercolors created by Patrick Rolo and Lisa A. Fifield. Multiple copies of the book are available for children and their families to read during their Museum visit.

Making Tracks Staff news

Staff presentations

Curator of Invertebrate Paleontology **Dr. Joe Hannibal** presented a paper, “Vestiges of evolution in a presidential library: evolutionary concepts in the books of James A. Garfield, twentieth president of the United States” at the annual meeting of the Geological Society of America in Portland, Oregon in October. He also presented two papers at the 45th Forum on the Geology of Industrial Minerals held in Delaware, Ohio, in October. One paper was titled “Adelbert Hall, a rare surviving example of a northeastern-Ohio structure built using all three major historic northeastern-Ohio building stones.” The other, co-authored by Curator of Mineralogy **Dr. David Saja**, was “Bowling of marble inside historic northeastern Ohio buildings.”

Curator & trustee honored

In December, Curator of Botany **Dr. Jim Bissell** and Museum Trustee **Nelson (Bud) Talbott** were recognized by the Ohio Department of Natural Resources and inducted into its Hall of Fame. Each year, the organization recognizes individuals who have gone over and above in the area of natural resources. The Hall of Fame awards program is Ohio’s top honor for individuals who have made significant contributions to preserving and protecting the state’s water, soil, forests, wildlife and mineral resources.

Film crew spotlights Balto

The Museum participated in filming for a television documentary about Balto and the Alaskan serum run being produced by the Norwegian Broadcasting Corporation. The crew filmed educator **JoAnn Coburn** presenting the story to a group of students.

Harvey Webster, director of Wildlife Resources, was also interviewed about the Cleveland connection to the hero dog. Museum Trustee and Archivist **Evie Newell** and **Steve Misencik** of Exhibits provided historical background for the project.

Journalist/producer Per Kristian Olsen’s grandmother was the cousin of Gunnar Kaasen, the musher of Balto’s sled team.

For the seventh consecutive year, **David Chapman**, Vertebrate Paleontology casting technician, and department volunteer **Joe Klunder** presented a program on the geologic history and fossils of Ohio to eighth-grade science students at Willoughby Middle School. Chapman and Klunder spoke to 260 students in 10 classes and showcased casts and fossils from the Museum’s collection.



Longtime member supports education programs

As a longtime member of the Museum, Alyce Jarr wanted to be sure that the things she enjoyed most in life—travel, arts and culture, and the natural world—would be secured for future generations. She did this through her passionate involvement with community organizations throughout her life and in her passing by leaving a legacy gift to the Museum. Jarr was not a wealthy person, and she did not make large contributions to the Museum during her lifetime. However, unbeknownst to the Museum, she left a bequest to support the institution's educational programming.

A native Clevelander, growing up and living her adult life in Garfield Heights, Jarr worked for many years as a secretary at Thompson Products.

She enjoyed traveling and sharing her experience with children of family and friends. She traveled to Europe, the West Indies and throughout the United States. She was very fond of Cleveland's cultural organizations and the Cleveland Metroparks and was always pleased to see young people participating in classes and programs. She was committed to these organizations, remaining actively engaged, always learning and gaining great pleasure from her involvement throughout her life.

Jarr's family instilled the importance of giving to the community, and she knew that by making a bequest to the Museum she would be helping future generations enjoy the organization in which she so strongly believed.

Museum trustee honored

In November, Museum staff participated in National Philanthropy Day. This nationwide event, organized locally by the Greater Cleveland Chapter of the Association of Fundraising Professionals, recognizes the efforts of local philanthropists. The day included workshops for development professionals and volunteers and an awards luncheon.

During the event, the Museum recognized Trustee Maynard H. Murch V. A lead gift from The Murch Foundation last year kicked off the Museum's Spring 2009 Good News Challenge, which raised a total of \$60,737 for the Annual Fund, exceeding the initial goal of \$40,000 in new or increased gifts. Murch also orchestrated additional support for enhancements to the Museum's Murch Auditorium this past year.



The Museum is deeply indebted to our members and friends who have created legacy gifts to help ensure our future. A simple way to make arrangements for a gift of perpetuity is to name the Museum in your will or life insurance policy. These gifts can be designated to the Museum's General Endowment or a particular fund that compliments your interests. If you would like to continue your commitment and generosity to the Museum, please contact Sheryl Hoffman, Director of Major and Planned Gifts, at (216) 231-4600, ext. 3310 or shoffman@cmnh.org.

Acknowledgments

The Museum gratefully acknowledges the following gifts and grants made from September 12, 2009 through November 6, 2009.

The **Giant Eagle Foundation** awarded a \$5,000 grant to develop a distance learning program on Balto, in recognition of the 85th anniversary of the 1925 serum run to save Nome, Alaska, from a diphtheria outbreak.

The Laub Foundation granted \$2,500 in support of the Museum's distance learning programs and \$5,000 for the 2010 Archaeology in Action program.

Medical Mutual contributed \$10,000 in support of the Wellness@Work Awards Ceremony and the spring 2010 community health fair. This gift will also provide free health educational programming for students.

A grant of \$100,000 was received from **The Kelvin & Eleanor Smith Foundation** for the Conservation Outreach Program.

The **Charles L. Pack Foundation** awarded \$12,500 toward the acquisition of the Kroner property in Ashtabula County.

The GreenCityBlueLake Institute received a grant of \$15,000 from the **Northeast Ohio Regional Sewer District** for a water quality study.

The following individuals generously contributed \$1,500 or more to the Museum's Annual Fund and/or to a restricted fund and therefore have been named to The Linnaean Society.

Linnaean Kingdom (\$10,000 and above)

Patricia L. Droba
Rufus and Kathleen Sparks
Thomas A. Swift
Thomas and Anne Tormey
Lawrence S. Turner

Linnaean Class (\$5,000-\$7,499)

John and Maxeen Flower

Linnaean Order (\$2,500-\$4,999)

Chace and Josephine Anderson
Gene and Marion Faubel
Jack and Betty Hollister
Michael and Ann Humphrey
Scott and Josephine Inkley
Anne M. Jones
Jack and Kristie Kohl
Heather Moore and Thomas Frontini
Robert and Janet Neary
Andrew L. Sparks
Kate and Steve Zannoni

Linnaean Family (\$1,500-\$2,499)

Barbara Brown and Steven Ward
Anita E. Chapman
William and Cora Lee Dice
Allen H. Ford
Mary C. Groves
William and Phyllis Gunton
Charles and Cynthia Herndon
Daniel and Joan Holmes
G. Russell and Constance Lincoln
Fredric and Jane Litt
Charles and Susan Marston
John and Sally Morley
Keith and Marjorie Russell
Charles and Lucy Weller
Connie White

The following organizations generously contributed \$1,000 or more to the Museum's Annual Fund and/or to a restricted fund and therefore have been named to The Corporate Partners Program.

Corporate Heron (\$10,000-\$24,999)

Dominion Resources
Forest City Enterprises Charitable Foundation, Inc.
The Goldman Sachs Foundation

Corporate Benefactor (\$2,500-\$4,999)

Vision Service Plan

Corporate Patron (\$1,500-\$2,499)

Laurice Skin Care and Cosmetics

Corporate Contributor (\$1,000-\$1,499)

AirTran Airways
Barnes, Wendling CPA Inc.
Brush Engineered Materials Inc.
Calfee, Halter & Griswold
Heather B. Moore Inc.
Karen Skunta & Company
The Leiden Cabinet Company
The Lube Stop, Inc.

The Museum has made every effort to include all appropriate names. If you are aware of any gifts not honored, please contact Director of Annual Giving Jeffrey Gueulette at (216) 231-4600, ext. 3287.

The Museum gratefully acknowledges the citizens of Cuyahoga County for their support through Cuyahoga Arts and Culture.



Museum Events and Programs

Lectures

Cleveland Archaeological Society Lecture Series

The Cleveland Archaeological Society, a local society of the Archaeological Institute of America (AIA), holds its annual lecture series at the Museum. Programs are held in Murch Auditorium. **Free and open to the public.**

Building Power: The Architecture of the Emperor Maxentius in Rome (306-312 CE)

Dr. Elisha Ann Dumser, Ursuline College
Wednesday, February 10, 7:30 pm
Acclaimed emperor during a popular uprising in Rome in 306 CE, Maxentius fought to legitimize his rule and solidify his power for all six years of his reign. Maxentius promised to renew Rome as the seat of the imperial power. He styled himself as Rome's "preserver of the city," a slogan that proclaimed the importance of Rome and his architectural patronage there. His prominent building commissions, which included the city's largest temple and the world's most expansive cross-vaulted interior space, featured innovative architectural forms that testify to the skill and creativity of the late-antique architects working under his command. This talk introduces Maxentius, his turbulent times and his striking architectural works.

Audubon Society of Greater Cleveland Program Series

A series of free lectures open to the public. Programs will be held in the Rare Book Room.

African Penguins in the 21st Century

Tom Leiden, president and CEO of Leiden Cabinet Company, Museum trustee and Mystic Aquarium & Institute for Exploration trustee
Wednesday January 13, 7 pm
The threatened African Penguin lives along the rocky coastline of southwest Africa. It is found nowhere else in the world. Its population has declined by 90 percent since the turn of the 20th century with about 200,000 birds left in the wild. Tom Leiden and his wife, Kathy, have assisted researchers studying the species on the coastal islands. This presentation will focus on the challenges facing the African Penguin, efforts underway to protect them and how people can help ensure their survival.

All in the Family: Father and Son Birding Adventures

Wednesday, February 10, 7 pm
Jim McCarty, reporter and columnist for The Plain Dealer, and Bret McCarty, high school student and member of Ohio Young Birder's Club

An avid birder for years, Jim McCarty chronicles his sightings in his weekly "Aerial View" newspaper column. In recent years, he has been joined on his outings by his son, Bret. Both will share stories and photos of father-and-son birding and discuss some of the adventures they've had together, including trips to Manitoba, North Dakota, Washington and British Columbia and Colorado, as well as the familiar bird haunts here in Ohio.

Museum Events

Clock Day

Saturday, February 13, 10 am to 4 pm
Co-sponsored by the National Association of Watch and Clock Collectors

It's time again for Clock Day. Find your old clocks and watches and bring them to the Museum to discover if their value is real or just sentimental. Members of the NAWCC will be available to tell you what you've got and, if it isn't working, whether it's worth the effort to fix it. While you're visiting, explore the beautiful Hexter Collection of timepieces, sundials and astronomical instruments on display in the Reinberger Hall of Astronomy outside the Shafran Planetarium. **Free with Museum admission.**

The Natural History of Chocolate

Saturday, February 13
reception 6:30 pm; dinner 8 pm

This dining adventure allows guests to indulge in decadent chocolate. The evening begins with a reception featuring an expert from Malley's Chocolates. Guest chef Jonathon Sawyer of The Greenhouse Tavern will prepare a seven-course gourmet meal showcasing the culinary possibilities of this sweet treat. Accompanying wine and champagne selections will be supplied by the Hammer Company and presented by Amy Lear from Moet Hennessy Champagne. Reservations required. Seating is limited to 100. **Tickets: \$150 per person.**

Join us for the remaining evenings in the series:

April 24: The Natural History of Balsamic Vinegar – Steve Schimoler, Crop Bistro and Bar

June 19: The Natural History of Cherries – John Taylor, Sammy's

For tickets or reservations for Museum events, call (216) 231-1177 or 800-317-9155, ext. 3279, or purchase online at www.cmnh.org.

Museum Programs

In the Shafran Planetarium

Sky shows in the Museum's 87-seat planetarium bring the wonders of the universe down to Earth. To guarantee seating, please arrive 20 minutes before show time to claim your tickets with your confirmation number. Unclaimed tickets will be released for purchase on a first-come, first-served basis 10 minutes before show time. **Tickets: Members: Free; nonmembers: \$4 per person with Museum admission. Please reserve in advance.**

2012: Doomsday?

Monday through Friday 2:30 pm;
Wednesday, 8 pm; Saturday, 10:30 am*, 12:30, 2 and 4 pm; Sunday, 12:30, 2 and 4 pm

A lot of silliness is spreading about a global cataclysm predicted to occur when a Mayan calendar "rolls over" in December 2012. Celestial claims are being made. Is there anything to it? Come and find out.

*On January 3 and February 7 Star Babies will be offered at this time instead of this program. Star Babies gives children 2 and younger a gentle, 15-minute introduction to the planetarium and the wonders of the night sky.

Children's Show: Have You Seen Any Martians Lately?

Saturday, 11:30 am and 3 pm;
Sunday 1:15 and 3 pm

Is there any chance of life on Mars today? How about long ago? We'll explore the possibilities.

In the Mueller Observatory

Mars reaches "opposition," or closest approach to Earth, in late January. The first two months of 2010 offer the best view for the next couple of years. **Free with Museum admission.**



Smead Discovery Center

Monday through Saturday, 10 am to 4:30 pm; Wednesday, 10 am to 8 pm; Sunday, 1 to 4:30 pm. Free with Museum admission.

Visit the Smead Discovery Center for hands-on fun on the Museum's Lower Level. Visitors of all ages are welcome in this multigenerational space. We have concrete activities for tots and "brain buster" puzzles for teens and adults. Play a birdsong piano, touch real fossils, dig for a dinosaur, use a microscope and more!

Special Programs

Martin Luther King Jr. Discovery Day

Monday, January 18, 10 am to 4 pm
Come enjoy the many hands-on opportunities for all ages.

Through the Eyes of the Eagle: Understanding Diabetes for the Whole Family

Saturday, January 23, 1 to 4 pm
Diabetes is a problem for both adults and kids. So how can families prevent and deal with diabetes? During this program, health educators will explain the science of diabetes in ways that adults and kids can understand and teach you how to make choices that diminish your likelihood of getting the disease. Appropriate for the entire family. This program is inspired by our exhibition *Through the Eyes of the Eagle*, which is based on a Native American children's book series about diabetes.

Toad Tunes and Raccoon Rhapsodies

Wednesday, January 27, 3:30 to 5 pm
Discovery Center Coordinator Beth Gatchell will read stories, play guitar and sing songs about nature and science. This program is designed so you can drop in at any time during the listed hours and see and hear something interesting. Bring your voice, your dancing feet or just your listening ears and get ready for a good time! All ages welcome.

President's Day Potpourri

Monday, February 15, 10 am to 4 pm
You guessed it, today will be a little bit of everything: We've amassed a variety of educational craft projects over the years, so we will open up our cupboards and share all sorts of science and nature crafts. Come with your curiosity and leave with some crafts and more knowledge about the importance of native plants and animals. There will be something for everyone, so bring the whole family!

Museum Events and Programs

Live Animal Programs

Staff and volunteers will introduce visitors to Northeast Ohio's wild creatures using live ambassadors from the Museum's Wildlife Resource Center. Saturday and Sunday, 1 pm in the Museum lobby and 3 pm in the Ralph Perkins II Wildlife Center & Woods Garden. **Free with Museum admission.**

January and February: Coping with the Cold

As winter approaches, we start making preparations for the extremes of the season. Fix up the furnace. Winterize the car. Get out the overcoats, hats and mittens. You know the drill. Well, just as we have to prepare for the season, so does the living world around us. The bitter cold and howling winds of winter present a major survival challenge to wildlife. Migration, hibernation and changing habitats and diets are some of the strategies animals use to survive. Explore with us the adaptations of Ohio's wild animals that allow them to survive the sometimes brutal conditions of winter.

Groundhog Sun-day January 31, 1 to 4 pm

On February 2, legend has it that the venerable groundhog, *Marmota monax*, rouses himself from his long winter's sleep and ventures from his hibernaculum into the light of day. If he sees his shadow then there will be six more weeks of winter. If not, spring is nigh. Truth or fiction? Join the Museum's Wildlife Resources staff and volunteers in an afternoon celebration of everything woodchuck. This festival, two days before Groundhog Day, will feature live animals, crafts and demonstrations.

So rouse yourself from wintertime lethargy and make your way down to your favorite museum for our Groundhog Sun-day! In Kirtland Hall, Perkins Wildlife Center & Woods Garden and Murch Auditorium. **Free with Museum admission.**



Carol H. Sweet Nature Center at Mentor Marsh

Mentor Marsh is an interpretive nature preserve of the Museum and the Ohio Division of Natural Areas and Preserves. It is located at 5185 Corduroy Road, Mentor. Trails: open daily, year-round, dawn to dusk. Nature Center: open 11 am to 4 pm the first Sunday of each month during the winter season (through March). Join us for family hikes from 2 to 3:30 pm on these Sundays. Programs are free and will be conducted in all but severe weather, so come prepared for the conditions. Registration is requested for all programs at rdonalds@cmnh.org or (440) 257-0777. Hot drinks are available back at the Nature Center following winter programs. During the week, programs for groups are available by appointment at a nominal charge.

Special Programs

January 3: New Year's Resolution

Enjoy nature in all seasons! Come on out to explore the Marsh and retune your senses with nature.

February 7: What's the Status of the Marsh?

Come join us for a discussion of the natural resources issues in and around the Marsh. Topics will include salt contamination and invasive plant control.

Beaumont Boy Scout Camp Nature Programs

Join the Museum's Natural Areas staff as they partner with Beaumont Boy Scout Camp to offer a series of nature programs at the new Environmental Resource center. The Center was designed to achieve a LEED silver rating. The camp is located adjacent to the Museum's Grand River Terraces Preserve in Ashtabula County. Class size is limited. Call Chris Friswold at the Scout Council Service Center at (216) 458-8904 for reservations at least one week in advance. **Free and open to the public.**

Winter Birds & Animal Tracks Sunday, January 10, noon to 2 pm Leaders: Judy Semroc and Larry Rosche

Enjoy a winter hike as we search for birds and other animals that overwinter in our region, utilizing seeds and wintering insects for food in these harsh weather conditions. Likewise, tracks and signs of animals could be found with enough snow cover. Deciphering the movements of these creatures can be very intriguing.

Evening Astronomy Program Saturday, February 13, 6:30 to 8:30 pm

Mars, the planet of intrigue and mystery appears in the evening skies of February. Learn some interesting facts about Mars from "alien" observers. We will start with an indoor program at the Environmental Resource Center, followed by an outdoor telescope session with views of Mars, if the weather permits.

For tickets or reservations for Museum events, call (216) 231-1177 or 800-317-9155, ext. 3279, or purchase online at www.cmnh.org.

Donor Recognition dinner:

On December 14, the Museum held a dinner to recognize financial supporters during the last year. Ronald Richard, president and CEO of the Cleveland Foundation was the keynote speaker. Long-standing donors were especially recognized with the creation of a new giving circle, The Arkite Society, named for the original founders of the Museum. Honored were donors who have given continuously for 25 years or more.



January

2010


Sunday Monday Tuesday Wednesday Thursday Friday Saturday

<p>Exhibits & Shows Kahn Hall – <i>Dinosaurs: Ancient Fossils, New Discoveries</i>, through January 31 Fawick Gallery – <i>Every Body Eats</i>, through January 10; Amazing Feats of Aging, January 23 through May 9 Corning Gallery – <i>Through the Eyes of the Eagle: Illustrating Healthy Living for Children</i>, through January 24 Lower Level Gallery – <i>Fieldwork: The Rare and the Wonderful at Singer Lake Bog</i>, through July 12, 2010.</p>	<p>Harold Terry Clark Library Tuesday through Friday, 10 am to 2:30 pm The Museum's non-lending research library features books and periodicals on science topics. Library hours occasionally vary. Please call ext. 3222 to confirm library staff is on duty.</p> <p>For Visitor Information Call (216) 231-4600 or 800-317-9155 or visit www.cmnh.org</p>	<p>Museum Closed for New Year's Day</p>	<p>1</p>	<p>2</p>		
<p>Adult Field Trip, Gulls on Lake Erie, 9 am</p> <p>3</p>	<p>4</p>	<p>5</p>	<p>READ! SOAR! EXPLORE!, Science: Mysteries, Marvels & Fun!, 4 pm; Adult Program, An Introduction to the Art of Fly-Tying, 7 pm (thru 2/10); Kirtland Bird Club, 7:30 pm</p> <p>6</p>	<p>7</p>	<p>8</p>	<p>Kirtlandia Society, 9:30 am; Adult Field Trip, McCoy Woods Adventure, 10 am; Youth Program, Junior Docents, 1 pm (thru 3/13);</p> <p>9</p>
<p>Nature Program, Winter Birds and Animal Tracks, 12 pm,</p> <p>10</p>	<p>11</p>	<p>12</p>	<p>READ! SOAR! EXPLORE!, Science: Mysteries, Marvels & Fun!, 4 pm; Audubon Society, African Penguins in the 21st Century, 7 pm; Guild of Nature Artists, 7:30 pm</p> <p>13</p>	<p>14</p>	<p>Explorer Series, Across the Andes: A 7,800-mile Journey Toward Understanding, Gregg Treinish and Deia Schlosberg, 7:30 pm</p> <p>15</p>	<p>Adult Field Trip, Snowshoeing at Grimm Fen, 10 am; Travel Program, Natural History of Southern Florida, Jan 16 (thru 1/23)</p> <p>16</p>
<p>17</p>	<p>Smead Discovery Center, Martin Luther King Jr. Discovery Day, 10 am</p> <p>18</p>	<p>19</p>	<p>READ! SOAR! EXPLORE!, Science: Mysteries, Marvels & Fun!, 4 pm; Trout Club, 6 pm; Cleveland Geological Society, 7:30 pm</p> <p>20</p>	<p>21</p>	<p>Parent and Preschoolers, Polar Animals, Tiny Trekkers, 9:30 am; Young Explorers, 11 am</p> <p>22</p>	<p>Amazing Feats of Aging, Exhibit opens; Parent and Preschoolers, Polar Animals, Tiny Trekkers, 9:30 am; Young Explorers, 11 am; Youth Program, Super Science Saturday, Magic Among Us, 10 am; Family Field Trip, Winter Hike at Squire's Castle, 11 am; Smead Discovery Center, 23</p>
<p>24</p> <p>Groundhog Sun-Day, 1 pm</p> <p>31</p>	<p>25</p> 	<p>26</p>	<p>Smead Discovery Center, Toad Tunes and Raccoon Rhapsodies, 3:30 PM; READ! SOAR! EXPLORE!, Science: Mysteries, Marvels & Fun!, 4 pm; Guild of Nature Artists, 7:30 pm</p> <p>27</p>	<p>28</p>	<p>Explorer Series, The Dinosaurs of West America: Life, Death and Evolution on an Island Continent, Dr. Scott D. Sampson, 7:30 pm</p> <p>29</p>	<p>Through the Eyes of the Eagle: Understanding Diabetes for the Whole Family, 1 pm; Adult Field Trip, Hikes and Pints: Second in a Series, 1 pm; Micromineral Society, 1 pm; Family Program, Dancin' with Dinosaurs, 7 pm; Adult Field Trip, Winter at the Ledges, 10 am</p> <p>30</p>

February

2010

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

 <p>Adult Field Trip, Annual Groundhog Day Hike, 10 am</p> <p>2</p>	<p>Kirtland Bird Club, 7:30 pm</p> <p>3</p>	<p>4</p>	<p>5</p>	<p>6</p>	<p>Winter Student Naturalists I, Grades 5-6, 9 am (thru 2/20); Youth Programs, Cartooning at the Museum Workshop, Grades 1-4, 10 am; Grades 5-8, 1 pm</p>	
<p>9</p>	<p>10</p>	<p>Adult Program, Native Plants for the Home Garden, 6:30 pm; Audubon Society, All in the Family: Father & Son Birding Adventures, 7 pm; Guild of Nature Artists, 7:30 pm; Cleveland Archaeological Society, 7:30 pm</p> <p>11</p>	<p>12</p>	<p>Adult Field Trip, Winter Raptors, Waterfowl & Rural Birds, 9 am; Explorer Series, Marathon in Antarctica: The Coldest, Highest, Driest, Windiest, Loneliest Continent, Edwin (Win) V. Apel, Jr., 7:30 pm</p> <p>13</p>	<p>Kirtlandia Society, 9:30 am; Adult Field Trip, Annual Winter Trip to the Sundberg Meadow, 10 am; Clock Day, 10 am; Nature Program, Evening Astronomy Program, 6 pm; The Natural History of Chocolate, 6:30 pm</p>	
<p>14</p>	<p>Smead Discovery Center, President's Day Potpourri, 10 am</p> <p>15</p>	<p>16</p>	<p>Trout Club, 6 pm; Cleveland Geological Society, 7:30 pm</p> <p>17</p>	<p>18</p>	<p>Parent and Preschoolers, Mammoths and Elephants, Tiny Trekkers, 9:30 am; Young Explorers, 11 am</p> <p>19</p>	<p>Adult Program, CPR - Adult, Infant, and Child, 9 am; Parent and Preschoolers, Mammoths and Elephants, Tiny Trekkers, 9:30 am; Young Explorers, 11 am; Youth Programs, Super Science Saturday, Do the Locomotion, 10 am; Scout Day at the Museum, 10 am</p> <p>20</p>
<p>21</p>	<p>22</p>	<p>23</p>	<p>Adult Program, Intermediate Fly-Tying, 7 pm (thru 3/31); Curator's forum, 7pm; Guild of Nature Artists, 7:30 pm</p> <p>24</p>	<p>25</p>	<p>26</p>	<p>Youth Program, Winter Student Naturalists II, Grades 7-8, 9 am (thru 3/13); Adult Program, The Nature of Lunch: Winter Session, 9 am (thru 3/6); Adult Field Trip, Pond Brook Restoration Area at Liberty Park, 10 am; Micromineral Society, 1 pm</p> <p>27</p>
<p>28</p>	<p>Museum Hours Monday through Saturday, 10 am to 5 pm; Wednesday, 10 am to 10 pm (Observatory open 8:30 to 10 pm through May, weather permitting); Sunday, noon to 5 pm</p> <p>Museum Store Hours Monday through Saturday, 10 am to 5 pm; Wednesday, 10 am to 8:30 pm; Sunday, noon to 5 pm</p>		<p>Harold Terry Clark Library Tuesday through Friday, 10 am to 2:30 pm The Museum's non-lending research library features books and periodicals on science topics. Library hours occasionally vary. Please call ext. 3222 to confirm library staff is on duty.</p> <p>For Visitor Information Call (216) 231-4600 or 800-317-9155 or visit www.cmnh.org</p>		<p>29</p>	<p>30</p>

EXPLORER Series

2009-2010

Inspire your Curiosity

Join us for the 2009-2010 season of the Explorer Series. Each evening begins at 5:30 pm with live music, Museum exhibitions, shopping and raffle sign-up in the Museum Store, and food and beverages for purchase in The Blue Planet café and Museum lobby.

Afterward, select speakers will sign their books and, on clear nights, the Mueller Observatory will be open for stargazing. All programs will be held in the Museum's 500-seat Murch Auditorium.

TICKETS: Member adults \$8; member students and seniors \$7; nonmember adults \$10; nonmember students and seniors \$9. For tickets, call (216) 231-1177 or visit www.cmnh.org.

For the full Explorer Series schedule, visit www.cmnh.org.

The Explorer Series is generously supported by The Women's Committee of The Cleveland Museum of Natural History.

This season's promotional sponsors are WVIZ/WCPN ideastream, WKSU, Cleveland Magazine and Cuyahoga County Public Library.



**Across the Andes:
A 7,800-Mile Journey
Toward Understanding**
Gregg Treinish and
Deia Schlosberg,
2008/2009 National Geographic
Adventurers of the Year
Friday, January 15, 7:30 pm



**The Dinosaurs of West
America: Life, Death and
Evolution on an Island
Continent**
Dr. Scott D. Sampson,
paleontologist
Friday, January 29, 7:30 pm



**Marathon in Antarctica:
The Coldest, Highest,
Driest, Windiest,
Loneliest Continent**
Edwin (Win) V. Apel, Jr.,
marathon competitor
Friday, February 12, 7:30 pm

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To sign up for this eco-friendly edition, visit www.cmnh.org/site/SignUpforTracks.aspx.

Dance Party at the Museum

What will you do in January when all the holiday fun is over? Come to Dancin' with Dinos on Saturday, January 23, from 7-9pm at the Museum. DJ Dino and his Cretaceous Crew are in the house! Swing like a sauropod and twist like a theropod among the dinosaurs in Kirtland Hall. This event is open to kids from ages 2 to 102. Bring your family and friends for a dino-dance contest and special tours of the *Dinosaurs: Ancient Fossils, New Discoveries* exhibition. We'll have pizza, drinks, snacks, and fun for everyone. Join us for this Earth-shaking evening.

Members: (under 16) \$7, (16+) \$9

Nonmembers: (under 16) \$9, (16+) \$12

Limit 100

Preschool Programs

Each month our Early Childhood Education Coordinator, Kate Iverson, offers classes for preschoolers. This is a great way for an adult and preschooler to spend time together learning at the Museum. Kate introduces a new topic each month with interactive games, realistic replicas, age-appropriate activities, Museum specimens, books and crafts. Every class ends with a visit to our galleries so your preschooler becomes comfortable in our Museum helps them learn even more.

Fee is per child/adult pair. Members: \$7; nonmembers: \$9

Limit 10 children per session

Visit www.cmnh.org to review topics, dates, and times.

Museum Discovery Cards

A new year means a new series of Museum Discovery Cards. The Cleveland Museum of Natural History is celebrating 90 years of research, conservation and education. Each month's card will feature a piece of the history behind the Museum.



**Joe
Hannibal**

Dueling Titans of Natural History: The Story of John Strong Newberry and Col. Charles Whittlesey

Geologist and paleontologist John Strong Newberry and geologist, archaeologist, and historian Col. Charles Whittlesey were famed nineteenth-century scientists, notable for their many achievements. Dr. Joe Hannibal, Curator of Invertebrate Paleontology, will describe their observations and discoveries, and discuss those objects that were named for them. This included fossils, an archaeological culture, and a volcano. Dr. Hannibal will recount the conflict between these two great Cleveland figures.

**Curator
Forum** 20**10**