

# Tracks

News from The Cleveland Museum of Natural History



September/October 2009

In this issue...

## Rendezvous with rex

Women's Committee hosts dino-themed benefit Page 2

## Uncovering the mysteries of dinosaurs

Innovative exhibition reveals latest tools of scientific sleuthing . . . .Page 3

## Health on display

Two exhibitions opening in October focus on healthy living Page 4

## Eco-friendly travel

Sustainable transportation options. . . . .Page 8

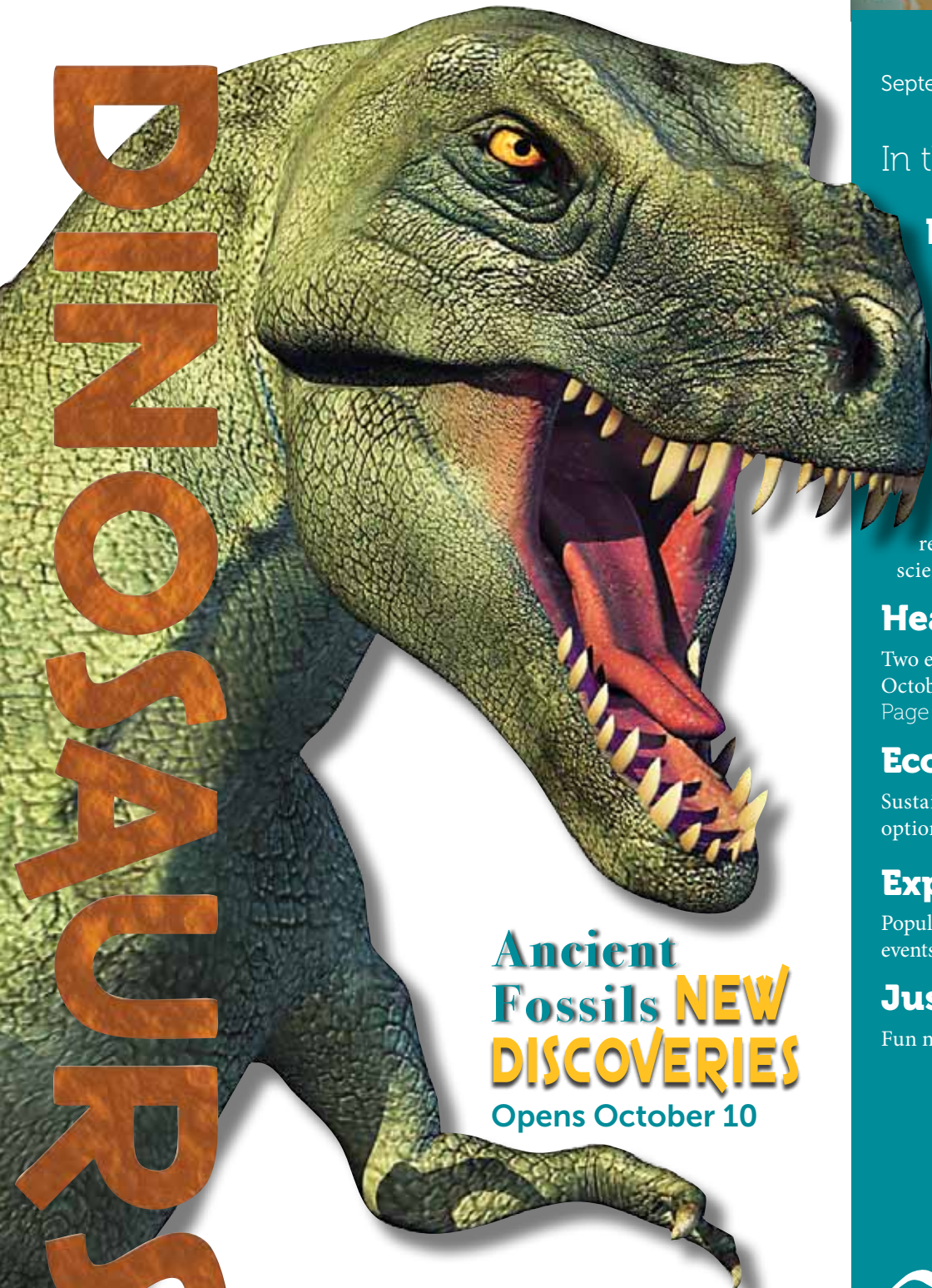
## Explorer Series

Popular lecture series kicks off fall events. . . . .Page 9

## Just for kids

Fun new exhibits. . . . .Page 16

DINOSAURS



**Ancient Fossils** **NEW DISCOVERIES**  
Opens October 10

Page 3

## Keeping Track with the Director

It's been a busy summer at the Museum. With families opting for "staycations" close to home, we offer an affordable alternative to travel. In fact, I'm happy to report that our July admissions increased 14 percent over last year. Now, with our summer interns back at school and curators back from researching in the field, our staff is looking forward to an exciting fall.

We're gearing up for a season filled with fresh educational programming, a new line up of interesting lectures and innovative exhibitions, including one that explores dinosaurs and technological advances in paleontology.

While dinosaurs are a big part of what makes up a natural history museum, our work extends beyond fossils. We know that preserving our natural world demands that a healthy planet must have healthy people. So another important part of the Museum's work reaches into the community to encourage its vitality.

We think community collaborations are key. We partner with a variety of

groups to reach out to our neighborhoods in unique ways to promote health and well-being. We have worked with local organizations to educate residents about the dangers of lead poisoning, provide free health screenings to low-income men and youth, and take the wellness message into the workplace.

Our mission of health and education takes us into the schools and classrooms where we focus our efforts on advancing the health of children. Congratulations to our education team for winning the Center for Interactive Learning and Collaboration's 2008-2009 Pinnacle Award. This annual award is based on teacher evaluations and recognizes outstanding performance by an educational content provider using videoconferencing and other collaborative technologies. Outstanding, indeed!

The Museum is currently in the process of seeking re-accreditation from the American Association of Museums. This process is done every

10 years and begins with a self study that includes submitting data on our mission, attendance records, collections status and data storage capabilities, among other information. An internal committee has taken on the task of updating our disaster and emergency preparedness plans. The self study will be submitted early next year, with a site visit by evaluators to follow.

Re-accreditation involves a rigorous peer review. The evaluation of our policies and procedures ensures high standards and operational efficiency. Re-accreditation is a significant credential for which we strive, placing us among the finest institutions in the country. We confidently expect a successful outcome, which will validate our efforts and motivate us to carry on our mission.

*Bonnie Cummings*

Bonnie Cummings  
Interim Executive Director  
Chief Operating Officer

## A new look at the past

### Museum exhibition sheds light on prehistoric creatures

Dinosaurs, though extinct for nearly 65 million years, will be virtually brought to life in the Museum's upcoming exhibition, *Dinosaurs: Ancient Fossils, New Discoveries*, which opens in Kahn Hall October 10. 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, the innovative exhibition reveals how current theories about dinosaur biology have changed over the past two decades.

Through a combination of recent major fossil finds, captivating computer simulations and animations and provocative life-size models, *Dinosaurs* will introduce a dynamic new vision of dinosaurs and the scientists who study them. Examining the scientific sleuthing and the array of investigative tools—from bioengineering computer software to CT scans—the exhibition presents an up-to-date look at how scientists are reinterpreting many of the persistent and puzzling mysteries of dinosaurs: what they looked like, how they behaved, and how they moved, as well as the complex and hotly debated theories of why—or even whether—they became extinct.

The exhibition's introductory section illustrates how paleontologists are using new ideas, new discoveries and new technologies to revolutionize our understanding of dinosaurs. The centerpiece is a relatively recent fossil discovery, a small carnivorous dinosaur, *Bambiraptor feinbergi*, the best-preserved

and most complete dromaeosaur yet found in North America. Visitors can view colorful graphics and CT scans to see how this fossil provides evidence about the evolutionary links between birds and dinosaurs.

In *How Dinosaurs Moved*, the latest biomechanical studies on dinosaur movement spring to life from the engineer's computer screen. Highlights include a six-foot-long mechanical *T. rex* skeleton that walks in place, illustrating how experts in biomechanics and paleontology are teaming up to estimate the typical speed and gait of a rampaging tyrannosaur.

A major highlight of the exhibition is *The Liaoning Forest*, a 700-square-foot re-creation of a 130-million-year-old Mesozoic forest that existed in what is now northeast China. Visitors can stroll back in time and come face to face with many of the creatures that once inhabited this prehistoric woodland, including the largest Mesozoic mammal ever discovered, the badger-sized *Repenomamus giganticus*, and *Dilong paradoxus*, a newly identified tyrannosaur

whose feathers were similar to those of modern birds.

The *How Dinosaurs Behaved* section of the exhibition demonstrates how scientists are reinterpreting old fossil evidence, using new approaches and new technologies to unlock the secrets of dinosaur behavior. A re-creation of the famous Davenport Ranch Trackway, a collection of sauropod and theropod dinosaur prints unearthed in Texas in the 1930s and 1940s, shows visitors how recent analysis of the tracks has revealed new ideas on these dinosaurs' herding behavior. A large wall that showcases mounted dinosaur skulls illustrates the latest theories on the functions of the unusual horns, frills, crests and domes found on many dinosaur skulls.

The *Extinction* section explores the hard evidence for theories on the possible events that ended the Age of Dinosaurs, including asteroid impact, global climate change and massive volcanic eruptions. A computer simulation presents vivid re-creations of various extinction scenarios.

## Prehistoric party

The Museum's Women's Committee invites you to join them on Friday, October 9 for a benefit party. The Rendezvous with Rex dinosaur-themed event offers a sneak preview of the new exhibition *Dinosaurs: Ancient Fossils, New Discoveries*.

Guests can enjoy cocktails and hors d'oeuvres, a sit-down dinner catered by Sammy's and dancing to the Fat City band. They can tour the new exhibition, meet Curator of Vertebrate Paleontology Dr. Michael Ryan and grab a photo op with the Museum's *T. rex*. A unique selection of silent auction items will also be available for bidding.

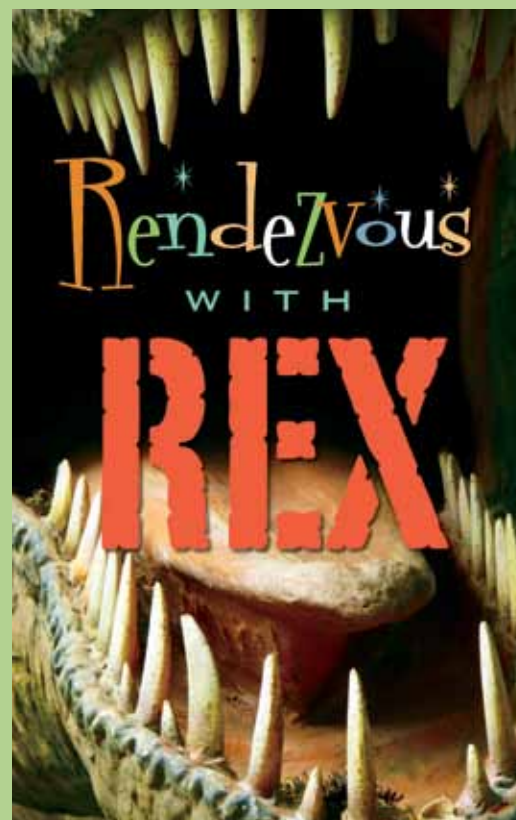
The event starts at 6:30 pm and ends at midnight. Dress is khaki casual.

Proceeds from the benefit will support Museum educational programs, including the Explorer Series, which has been supported by Women's Committee underwriting since the 1970s.

Don't miss out on the fun.  
Reserve your tickets by September 21.

Ticket prices are \$125, \$250, \$500 and \$1,000  
(portions of the prices are tax deductible).

To reserve your tickets, visit [www.cmnh.org](http://www.cmnh.org) or contact Beth Whalley in Development at (216) 231-4600, ext. 3286 or [bwhalley@cmnh.org](mailto:bwhalley@cmnh.org).



*Dinosaurs: Ancient Fossils, New Discoveries* will be on display through January 31.

Media sponsors: *Cleveland Magazine*, WVIZ/WCPN ideastream, Plain Dealer, Western Reserve Television, WEWS TV5, WDOK, WKSU, WQAL



# Promoting healthy habits

## Illustrating healthy living for children

**Through the Eyes of the Eagle: Illustrating Healthy Living for Children** will open October 24 in Corning Gallery. The exhibition is based on the book series written by Georgia Perez that features human and animal characters to encourage healthy eating and exercise

among young children. Because diabetes disproportionately affects youths of Native American and Alaskan Native descent, the author originally created the stories to educate this community about the problems that can result from an unhealthy lifestyle.

The exhibit features original watercolors and illustrations from the book series along with text panels. Three of the four books will be featured in the Museum's installation, including *Through the Eyes of the Eagle*, *Plate Full of Color* and *Tricky Treats*. Sets of the complete book series will be available for visitors to

read in the gallery.

Developed by the Centers for Disease Control and Prevention in collaboration with the Tribal Leaders Diabetes Committee and the Indian Health Service, the exhibit is designed to prevent type 2 diabetes using the traditional story-telling methods of Native Americans and Alaskan Natives.

*Through the Eyes of the Eagle* will be on display through January 24



# Food for thought

Discover the truths about nutritional health and have your most pressing nutrition questions answered when **Every Body Eats** opens in Fawick Gallery October 24. The interactive exhibition, which was developed by the Oregon Museum of Science and Industry, explores nutrition and teaches the science of making healthy food choices.

Visitors will see what ingredients are in various foods, learn how to read food labels and find out what an appropriate serving size looks like. They can pedal a hand cycle to determine how long it takes to burn off the calories of various snacks.

Common nutrition myths will also be dispelled, and visitors will learn the basics of correctly identifying hints of hunger. Families are encouraged to participate in a dinner theater production using food

puppets to perform their own plays about the nutrients our bodies need. They can also detect hidden messages in food advertisements and learn how to look at these ads critically.

Other highlights include a mini supermarket where visitors can scan groceries they would need to make a healthy dinner for their family. Instead of getting a price, they are given feedback about their choices and information on how to create a balanced meal. Guests can also find out how doctors and nutritionists utilize clinical research to create recommendations for what we should eat.

**Every Body Eats** aims to show that healthy choices are always within our reach. It will be on display through January 10.



# Beyond the classroom

High school and college students from around the country spent their summer gaining hands-on work experience at the Museum

The **Donald S. Dean Adopt-A-Student** program, sponsored by the **Kirtlandia Society**, a Museum associated society, offers college students an opportunity to obtain career experience in scientific fields. For eight weeks, students work under the guidance of a curator to complete special research projects that incorporate the Museum's collections or fieldwork. The students present the results of their projects at the Kirtlandia Society's August luncheon. Marketing and Communications Division interns Amanda Egut and Bridget Mahovlic talked with this year's class about their projects and experiences.

Visit [www.cmnh.org](http://www.cmnh.org) to learn more about the Adopt-A-Student program.



The 2009 Adopt-A-Students included (front, from left:) Dylan Beach, Bettina Kaphingst, Christine Shuss, Heidi Wollaeger and Theresa Kalka; (back, from left:) Chris Cheney, Kaleigh Eichel, Caitlin Burkman, Michele Nelson and Katherine Sterner.

### Katherine Sterner

**Department:** Archaeology; **Adviser:** Ann DuFresne; **School:** Graduated from Pennsylvania State University in 2009 with a B.A. in anthropology; **Project:** Studied triangulation projectile points to create typology; **Best Experience:** Fieldwork at the Heckleman site and gaining a greater understanding of Ohio.

### Chris Chaney

**Department:** Natural Areas and Botany; **Adviser:** David Kriska; **School:** Kent State University, senior botany major; **Project:** Working on a survey of aquatic plants in Ohio's glacial lakes.

### Brian Shultz

**Department:** Natural Areas and Botany; **Adviser:** David Kriska; **School:** Walsh University, senior botany major/chemistry minor; **Project:** Working on the glacial lakes aquatic plant survey.

### Theresa Kalka

**Department:** Invertebrate Paleontology; **Adviser:** Dr. Joe Hannibal; **School:** Heidelberg University, junior anthropology and music double major; **Project:** Studying wear patterns on millstones and figuring out where they are found.

### Michele Nelson

**Department:** Invertebrate Zoology; **Adviser:** Dr. Joe Keiper; **School:** Baldwin-Wallace College biology graduate with a concentration in environmental studies; **Project:** Researching a snail-killing fly and studying the competition between the maggots and how it can affect their development.

### Caitlin Burkman

**Department:** Mineralogy; **Adviser:** Dr. David Saja; **School:** Case Western Reserve University, senior biology and geology double major; **Project:** Studying the cases that caddisfly larvae create to decipher the composition of the cases.

### Heidi Wollaeger

**Department:** Paleobotany; **Adviser:** Dr. Shya Chitale; **School:** Wittenberg University, junior biology major/studio art minor; **Project:** Comparing and contrasting petrified wood in the Museum lab; **Best experience:** "It's exciting to see what you are supposed to see after going through a long preparation of fossils."

### Bettina Kahingst

**Department:** Physical Anthropology; **Adviser:** Lyman Jellema; **School:** Case Western Reserve University, junior biology and anthropology double major; **Project:** Repairing broken bones from the decimal collection, a part of the Hamman-Todd Collection; **Best Experience:** The networking opportunity.

### Kaleigh Eichel

**Department:** Vertebrate Zoology; **Adviser:** Dr. Tim Matson; **School:** University of Waterloo, sophomore knowledge integration major/biology and anthropology minor; **Project:** Catching and tagging mudpuppies in the Ashtabula and Geauga Rivers to see how lampricide treatments have affected their populations.

### Chrissie Shuss

**Department:** Vertebrate Zoology; **Adviser:** Dr. Tim Matson; **School:** Wittenberg University, senior biology major/psychology minor; **Project:** Catching and tagging mudpuppies in the Ashtabula and Geauga Rivers to see how lampricide treatments have affected their populations; **Best experience:** Fieldwork. "The data we are collecting will be extremely useful to show that lampricide treatments do harm the mudpuppy population."

### Joseph Kilmer

**Department:** Vertebrate Zoology; **Adviser:** Dr. Tim Matson; **School:** Kalamazoo College, Michigan, senior biology major with a concentration in environmental studies; **Project:** Catching and tagging mudpuppies in the Ashtabula and Geauga Rivers to see how lampricide treatments have affected their populations; **Best Experience:** "The whole thing is great, being outside doing fieldwork, enjoying nature and catching things in a stream."

### Dylan Beach

**Department:** Wildlife Resources; **Adviser:** Michelle Leighty; **School:** Denison University, senior biology major/environmental studies minor; **Project:** Conducting research with two Museum crows, Roxy and Rook, to determine if crows use their sense of smell to detect food; **Best experience:** Working with birds of prey. "There's something exhilarating about having a Red-tailed Hawk on your arm."

In addition to Adopt-A-Student interns, Museum staff worked with a total of 33 high school and college interns throughout the summer.

# The nature of giving



assisted the Museum with its move from Euclid Avenue to University Circle in 1957. In 1983, Motch became a Museum trustee and has remained on the Board as an honorary trustee. His interests include archaeology, photography, fly fishing and travel. However, he is most passionate about river rafting. He has been rafting in East Central Idaho on the Selway River for 30 years. He loves being on this river, one of Idaho's most wild and scenic, surrounded by wilderness—at times seeing no one but his rafting companions for days on end.

Motch's passion extends to the Museum. "When you come to the Museum and see how vast and how amazing the universe is, you can't help but be greatly impressed by it all," says Motch. He believes that it is important for the Museum to be able to serve future generations so that they, too, can gain knowledge about the natural world and about our role in it.

How did the Big Bang occur? How did a single-cell life form evolve to multi-cell life forms? Just how close to "Lucy" are we? How has evolution occurred? What is the natural process that gives us animals like the duckbilled platypus, which lays eggs, yet nurses its young? What is our vision, our role in all this? It is because of these questions and his desire to find answers, that Motch continues to support the Museum and has joined others in leaving a legacy gift to the Museum.

At 81, Eddie Motch still recalls his first visit to the Museum. He was a young elementary school student, full of curiosity and eager to learn about the world around him. He remembers being fascinated by the mounted animals. It sparked his imagination and began what he calls a journey of discovery into the "how and why of the universe and life on our planet."

Motch and his family enjoyed visiting the Museum over the years. His wife, Gloria, was one of several volunteers who

If you, too, are interested in providing inspiring experiences and continued knowledge for visitors today and for future generations, please consider a legacy gift to the Museum. It is possible to name the Museum in your will and/or your life insurance policy. Both are relatively easy to do and, most importantly, both help secure the future of the Museum.

By making a bequest or naming the Museum in your life insurance policy, you will become a member of The Marie Odenkirk Clark Society and join others who care deeply about science and education, are passionate about nature and the protection of natural diversity and support the Museum's mission.

For more information about making a legacy gift to the Museum and becoming a member of the Marie Odenkirk Clark Society, please contact Sheryl Hoffman, Director of Major & Planned Gifts at (216) 231-4600, ext. 3310 or shoffman@cmnh.org.

## Spreading the good news

Thanks to those who supported the Museum's Spring 2009 Good News Challenge campaign. Your gifts are greatly appreciated.

The challenge raised a total of **\$60,737**, which exceeded the Museum's initial goal of \$40,000. These contributions helped the 2008-2009 Annual Fund

total of **\$946,590** surpass the budget goal of \$938,000 for the fiscal year.

Every dollar donated will advance the Museum's efforts to provide high-quality services to our community. So, thank you for your generosity and help in spreading the good news!

## Acknowledgments

The Museum gratefully acknowledges the following gifts and grants made between May 9, 2009 and June 30, 2009.

The **Museum's Women's Committee** renewed its support of the Explorer Series for the 2009-2010 season with a gift of \$27,500. The Committee also contributed \$5,000 to the 2009-2010 Annual Fund.

The **Grimm Family Foundation** awarded a \$15,000 grant designated as follows: \$8,000 for the Annual Fund, \$5,000 toward the acquisition of Carlisle Farm and \$2,000 in support of the Cooper's Hawk in the Perkins Wildlife Center & Woods Garden.

The **Bicknell Fund** contributed an additional \$25,000 toward the dinosaur face-off exhibit featuring the *Triceratops* and *Tyrannosaurus rex*.

The **Parma Hospital Health Care Foundation** awarded a \$10,000 grant to support Health on Wheels programs for schools in the Greater Parma area.

The GreenCityBlueLake Institute received grants from The **Garden Club of Cleveland** (\$1,000 for sustainability workshops) and the **Lake Erie Protection Fund** (\$15,000 to promote regional land use planning).

The **Goldman Sachs Foundation** awarded \$40,000 to conduct a feasibility study regarding adapting the Urban Advantage program in Cleveland in partnership with the Cleveland Metropolitan School District. Urban Advantage is a national network founded to improve science teaching and learning in middle school public education through sustained, focused partnerships between science cultural institutions and school districts.

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)

- Linda Butler and Steven Nissen
- Jack and Kristie Kohl
- Dan and Marjorie Moore
- Miriam Greek Smead
- Nathaniel and Betsy Smith
- Frederick and Betsy Stueber
- Jean Hower Taber
- Thomas and Anne Tormey

### Linnaean Phylum (\$7,500-\$9,999)

- Tim and Heather Ryan

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

- James and Mary Bright
- Scott and Josephine Inkley
- George and Susan Klein
- S. Sterling and Judith McMillan
- C.W. Eliot and Linda Paine
- Howard and Cara Stirn

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

- Anonymous (1)
- H. William and Diane Christ
- Amos and Samantha Crowley
- Thomas and Katharine Morley
- Emily C. Parkman
- John and Alexa Sulak

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

- Anonymous (1)
- John and Wilma Bergfeld
- Peter and Janice Calfee
- Ronald and Vicki Copeland
- Dr. and Mrs. Morris S. Dixon, Jr.
- William and Judith Hoislbauer
- Mortimer Kadish, Ph.D. & Emilie Kadish, Ph.D.
- Thomas and Kathleen Leiden
- Bill and Betty-Ann Lynerd

- Richard and Marilyn Marrapese
- Edwin R. Motch III
- Heath and Sylvia Oliver
- Mary Jane Saunders, Ph.D.
- Joseph and Marla Shafran
- Greg and Joyce Studen
- J. Mary Taylor, Ph.D.
- William and Mary Weber
- Dickson Whitney

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)**  
The Lincoln Electric Foundation

**Corporate Fellow (\$5,000-\$9,999)**  
Archaeological Networks, Inc.  
Kaiser Permanente  
The Lube Stop, Inc.

**Corporate Benefactor (\$2,500-\$4,999)**  
Innovative Science Solutions LLC

**Corporate Patron (\$1,500-\$2,499)**  
Alnylam US, Inc.  
Executive Arrangements, Inc.  
NACCO Industries, Inc.

**Corporate Contributor (\$1,000-\$1,499)**  
AirTran Airways  
Gould Electronics, Inc.  
Greater Cleveland Partnership  
Pepsi Americas  
Terra Incognita Ecotours

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.

Seth Chwast is an up-and-coming local artist whose works are showcased in the Museum's *Visions of Galapagos* exhibition. Browse our selection of his prints richly reproduced on archival paper and some of his original works. Posters start at \$10 and prints are priced at \$45, \$75 and \$150. Turtle T-shirts, sculptures and more are also available. Stop in and take home an affordable piece of the Galapagos.

**Hours:** Monday through Saturday, 10 am to 5 pm; Wednesday, 10 am to 8:30 pm; and Sunday, noon to 5 pm. Or shop online anytime at [www.cmnh.org](http://www.cmnh.org).

## museum STORE



## sustainable saturdays

Saturday, September 12 & Saturday, October 10

Stop in the Museum Store on the second Saturday of each month for discussions on sustainability.

The September talk will focus on education and how to help our schools create a culture of sustainability. October's discussion will be centered on buildings and the deconstruction movement, which involves using reclaimed building materials and designing unique furniture to preserve history and improve our environment. Join us any time between 1 and 4 pm to participate.

Summer may be coming to a close but sustainable transportation alternatives are available year round. Why not enjoy the mild weather while it's here and consider bicycling and walking instead of driving?

In Cleveland, cycling is possible most months of the year with appropriate clothing. It can help reduce your carbon footprint, connect you with nature and prolong the feeling of summer well into the fall.

According to Walk+Roll Cleveland, riding your bicycle or walking, even occasionally, will have a positive impact on your health, the environment and your wallet. The organization offers the following statistics. For more information, visit [www.walkroll.com](http://www.walkroll.com).

- The average person loses 13 pounds in their first year of commuting to work via bicycle.

- 40 percent of all auto trips are less than 2 miles, a distance easily bikeable in less than 12 minutes.
- 60 percent of pollution created by cars happens in the first few minutes of operation.
- If 10 percent of commuters switched to a bicycle, carbon dioxide pollution would be reduced by 25 million tons per year.

NOACA, the Northeast Ohio Areawide Coordinating Agency, encourages local municipalities to become bicycle-friendly communities, as well as promotes walkable communities. NOACA offers two free online services, Ohio Rideshare and Ohio BikeBuddies, to help commuters find carpool partners or bike buddies. For details, visit [www.ohiorideshare.com/bike\\_buddies.aspx](http://www.ohiorideshare.com/bike_buddies.aspx).

In addition, the City of Cleveland has committed to becoming a bicycle-friendly community. Its Web site, <http://planning.city.cleveland.oh.us/bike>, offers information

on existing trails and routes, city and state bicycle laws and current planning.

Cleveland Bikes ([www.clevelandbikes.org](http://www.clevelandbikes.org)) promotes the rights of Northeastern Ohio bikers with a goal of making Ohio a safer place for all cyclists. It also provides resources, promotes advocacy and organizes events for cycling enthusiasts.

For those who commute via public transportation, all of the Greater Cleveland Regional Transit Authority's (RTA) buses are equipped to carry bikes, and bikes are permitted on the rapids based on operators' discretion. For more information, visit [www.riderta.com](http://www.riderta.com).

The Museum's GreenCityBlueLake Institute ([www.gcbl.org](http://www.gcbl.org)) is another resource for alternative transportation ideas to get around Northeast Ohio without a car.

Ultimately, there are many options and resources available to help us learn about and opt for healthier, more eco-friendly methods of travel.

millipede was named in a recent issue of the *International Journal of Myriapodology*.

**Hannibal** presented a paper, "Inside-out Arthropoda: new taxa and the reinterpretation of the enigmatic Devonian phyllocarid *Ohiocaris*," at the ninth North American Paleontological Convention in Cincinnati in June. He also co-lead a daylong conference field trip that explored the building stones of downtown Cincinnati and assisted with another field trip that examined outcrops of black shale in the Midwest.

Curator and Head of Paleobotany **Dr. Shya Chitaley** was presented with a Special Certificate of Distinction in honor of her contributions to paleobotany from the Florida Museum of Natural History. The award was mentioned in a recent issue of the International Organisation of Palaeobotany's newsletter.

**Chitaley** was also one of three authors of a paper titled "Occurrence of spores from an isoetalean lycopsid of the Polysporia-type in the Late Devonian of Ohio, USA." This paper is based on the research done by **Chitaley**

from the Late Devonian Cleveland Shale. The paper was published in the journal *Review of Palaeobotany and Palynology*, an international publication from the Netherlands.

In addition, eight papers authored or co-authored by **Chitaley** were referenced in the 2009 textbook titled *Paleobotany: The Biology and Evolution of Fossil Plants*, which was published by Academic Press. She is also credited in the book's acknowledgments for her contributions.

### A unique collaboration

The Museum collaborated again this summer with the Cleveland Sight Center on its Fundamentals for Success program, a six-week residential summer program for blind and visually impaired teens and young adults designed to develop independent living skills, job skills and social experiences. This year's participants made braille labels for the Smead Discovery Center, cared for live insects, studied rocks and minerals, stocked shelves in the Museum Store and reviewed signage to ensure visual accessibility.

## Making Tracks

### Staff news

Curator and Head of Physical Anthropology **Dr. Yohannes Haile-Selassie** co-edited the book *Ardipithecus kadabba: Late Miocene Evidence from the Middle Awash, Ethiopia*, which was recently published by the University of California Press. Haile-Selassie co-authored or authored 17 of the book's 20 chapters. The book represents the first complete description of an early hominid older than 5 million years and is the first of its kind to describe an early hominid and its paleoenvironment with insights into what the common ancestor of humans and chimpanzees might have looked like in its dental morphology.

A team of scientists from Virginia, Kansas and France recently named a new genus of fossil millipede for Curator of Invertebrate Paleontology **Dr. Joe Hannibal** in honor of his work on fossil myriapods. The millipede genus, *Hannibaliulus*, is based on specimens from the Triassic rocks of France. The

# Museum Events and Programs

## Lectures

### Explorer Series 2009-2010

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 ext. 3279 or visit [www.cmnh.org](http://www.cmnh.org).**

### Wild Ohio: The Best of Our Natural Heritage



Jim McCormac, author, newspaper columnist and president of the Ohio Ornithological Society  
Friday, September 25, 7:30 pm  
**Co-sponsored by The Native Plant Society of Northeastern Ohio**

Based on McCormac's latest book *Wild Ohio: The Best of Our Natural Heritage* (with imagery by Gary Meszaros), this program is a photographic journey through the best remaining places in the Buckeye State. From southern haunts bordering the Ohio River to lakeshore habitats buffering Lake Erie, Ohio is filled with wild landscapes. Learn about some of the creatures and plants that make these sites so special and the global role Ohio plays in conservation. A book signing will follow the presentation.

### Plastic Debris: Lakes to Sea



Dr. Marcus Eriksen, environmental scientist and educator  
Friday, October 2, 7:30 pm  
**Co-sponsored by Biodiversity Alliance and Dominion**

*The Northeast Ohio Environmental Awards Ceremony will precede this program.* Join us for the annual Northeast Ohio Environmental Awards ceremony. This event recognizes individuals and organizations that have demonstrated a commitment to environmental excellence, leadership and accomplishment in the categories of business, community, primary/secondary education and higher education in Northeast Ohio. The evening's keynote speaker will be Dr. Marcus Eriksen, director of education at the Algalita Marine Research Foundation in Long Beach, California, who will address the issue of plastic, a new threat to our oceans. Eriksen constructed a raft from more than 15,000 plastic bottles and sailed it from Los Angeles to Hawaii in 2008. He will discuss his journey and solutions to this modern plastic plague.

### An Animated Approach to Dinosaur Locomotion



Dr. Stephen Gatesy, paleontologist and morphologist  
Friday, October 16, 7:30 pm

Dr. Stephen Gatesy is a paleontologist and evolutionary functional morphologist who teaches human anatomy for medical students at Brown University. For the last 15 years, he has used 3-D animation software to help visualize and analyze bipedal locomotion in carnivorous dinosaurs like *Tyrannosaurus rex*. He will discuss the process and problems in reconstructing tyrannosaur locomotion as well as his research on fossil footprints and the origins of bird flight.

**For the full Explorer Series schedule, visit [www.cmnh.org](http://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, *Cleveland Magazine* and Cuyahoga County Public Library.

EXPLORER  
Series

# Museum Events and Programs

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

## Sixth-Annual Conservation Symposium

### Ecology Underfoot: The Secret Life of Soil

Thursday through Saturday, September 10 – 12

This year's symposium will explore soil, Earth's most abundant terrestrial ecosystem. For more information and details on keynote addresses, workshops and field trips, and to register, visit [www.cmnh.org](http://www.cmnh.org).

## Great Lake Erie Boat Float

Saturday, October 3, 9 am boat launch Edgewater Park Beach, Cleveland Help raise awareness about the impact of plastic on our environment by participating in this special event. In 2008, Dr. Marcus Eriksen sailed the Pacific Ocean on a raft made of 15,000 plastic bottles. While in Cleveland to present as part of the 2009 Northeast Ohio Environmental Awards, Eriksen will build another plastic bottle boat called The Cola-hoga. He will then sail Lake Erie on this unique vessel from Edgewater State Park Beach.

Join the cause and build your own plastic boat to launch on the lake that day. Registration is \$50. All registered participants will be invited to a workshop with Eriksen to discuss boat construction strategies. They will also receive complimentary tickets to the October 2 Northeast Ohio Environmental Awards ceremony to hear Eriksen's Explorer Series lecture. Those who prefer not to float their boats in the lake can build their own tabletop plastic boats for the Mini-Boat Float-illa. Float-illa registration is required but there is no fee. Spectators welcome.

For more details or to register, visit [www.lakeerieboatfloat.org](http://www.lakeerieboatfloat.org) or contact Cathi Lehn of Biodiversity Alliance at (216) 707-2826 or [clehn@cbgarden.org](mailto:clehn@cbgarden.org).

## Cleveland Archaeological Society Lecture Series

The Cleveland Archaeological Society, a local society of the Archaeological Institute of America (AIA), holds its annual lecture series in the Museum's Murch Auditorium. Each lecture is followed by a reception. **Free and open to the public.**

### Silk Route and Diamond Path: The Archaeology of Tibetan Buddhism

Dr. Mark Aldenderfer, University of Arizona  
Wednesday, September 9, 7:30 pm  
For most westerners, Buddhism is timeless, and Tibet remote and romantic. For the archaeologist, though, the two are intimately connected. Dr. Mark Aldenderfer will discuss what is known of Tibetan Buddhist archaeology and describe the historical and cultural influences on the expression of Buddhism on the plateau, and the transformations it is undergoing in the modern political climate.

### New Insights into Fort Ancient Social Structure and Settlement Patterning

Dr. Robert Cook, Ohio State University  
Wednesday, October 14, 7:30 pm  
Fort Ancient peoples were the last prehistoric inhabitants of the Middle Ohio River Valley, circa A.D. 1000-1650. The best known of their villages is the SunWatch site, located in Dayton, Ohio, along the Great Miami River. Learn about recent analyses at the site and other settlements in southwest Ohio that reveal new details about Fort Ancient social structure and settlement patterning with respect to interactions with neighboring Mississippians and responses to environmental fluctuations.

## Frontiers of Astronomy

### The Dark Side of the Universe

Dr. Neta Bahcall, Princeton University  
Thursday, October 15, 8 pm  
Join us for the first presentation in this season's series of free public lectures featuring some of the latest research in astronomy. Lectures are held in the Museum's Murch Auditorium. On clear evenings, enjoy stargazing afterward in the Ralph Mueller Observatory. No tickets or reservations required.

*Frontiers of Astronomy* is sponsored by the Department of Astronomy at Case Western Reserve University through the support of the Arthur S. Holden, Sr. Endowment; The Cleveland Museum of Natural History; and The Cleveland Astronomical Society.

### Frontiers of Astronomy dates through 2009:

**November 12**  
**December 10**

## Museum Events

### Fall Farm Tour

Sunday, September 20, 1 to 5:30 pm  
The Museum, in partnership with Bioneers Cleveland, will host a tour to Killbuck Valley Mushrooms in Burbank, Ohio, just outside of Wooster. Tom and Wendy Wiandt will share their knowledge of the fungi kingdom allowing participants to forage for mushrooms and savor them while learning about the scientific wonders of this fungi. They will be joined by the Museum's own mushroom expert Bob Bartolotta. Space is limited. Transportation will be provided via van from the Museum. The event will be held rain or shine. Please wear comfortable walking/hiking shoes. **\$20 per person.**

### Earth Science Day

Saturday, October 17, 11 am to 2 pm  
Celebrate National Earth Science Week at the Museum on this special day. Meet geologists and other experts in the field of Earth science. Learn about mineralogy, geology, paleontology and paleobotany. Bring in your rocks for identification. **Free with Museum admission.**

### Trout Club Annual Clambake

Wednesday, October 21, 6 pm  
Join the Trout Club for its annual fall clambake. The evening's featured speaker will be Lance Wilt, who will discuss "The Best of Both Worlds: In Search of the Perfect Waters." For reservations, contact Karen Menn at (216) 231-4600, ext. 3278 or [kmenn@cmnh.org](mailto:kmenn@cmnh.org).

### Archaeology Day

Saturday, October 24, 10 am to 4 pm  
Join us as we discover the science and fun of archaeology through exhibits of artifacts and hands-on activities. Bring in your artifacts to be identified. **Free with Museum admission.**

### Astronomy Day

Saturday, October 24, 10 am to 4 pm  
The Museum is hosting this special event in recognition of the International Year of Astronomy. Learn more about the nature of the universe through demonstrations, exhibits and hands-on activities for the whole family. See a show in the Shafran Planetarium, visit the Ralph Mueller Observatory and enjoy activities in the Smead Discovery Center. Local astronomy clubs will be on hand to share the wonders of the sky. **Free with Museum admission.**

### Enrichment Day

Saturday, October 24, 11 am to 4 pm  
This year's Enrichment Day in the Museum's Ralph Perkins Wildlife Center features a Halloween twist! Observe live enrichment demonstrations with our carnivores and omnivores. Help make enrichment treats for our critters and enjoy crafts and games. Receive a Halloween treat if you bring our animals a treat of a pumpkin (any size or shape). Costumes welcome and encouraged. **Free with Museum admission.**



### Bones, Bugs and Dead Animals

**The Nature League's 13<sup>th</sup> Annual Halloween Party**  
Saturday, October 31, 8 pm to midnight

This annual bash features one of the best costume contests in Cleveland. Enjoy live music, delicious food and dessert buffets, a \$3 bar and free drink ticket with admission. Prizes for best costumes in four categories will be awarded: Best of Show, Best Ensemble, Scariest Costume and People's Choice Award. Open to those 21 and over only. **Tickets: Nature League Members, \$25; nonmembers, \$30; \$35 at the door.**

## Save these Dates!

### Wild and Scenic Environmental Film Festival on Tour

Friday, November 6, 6 pm reception; 7 pm film fest; 10 pm Q&A

This popular film festival brings together award-winning environmental films that motivate viewers to help make a difference in their community and around the world. **Tickets: Museum members: \$10; nonmembers: \$15; high school students: \$5.**

### The Natural History of Food Series

Explore the natural history of various foods and experience their culinary versatility at the 2009-2010 Natural History of Food Series. Each unique Saturday evening event features local experts on food and wine and a seven-course gourmet meal served in elegance at the Museum. Please call (216) 231-1177 for reservations. **Tickets: Single evening: \$150 per person; all four evenings: \$500 per person**

November 21  
The Natural History of Onions  
Chef Ben Bebenroth, chef and owner of Spice of Life  
6:30 pm reception; 8 pm dinner

### Series dates for 2010:

February 13, 2010  
The Natural History of Chocolate  
April 24, 2010  
June 19, 2010



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## 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.**

**The Telescope's Top 10**  
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

2009 is the first International Year of Astronomy, celebrating four centuries of telescope observing. We've selected what we consider the top 10 discoveries made over the years with telescopes of every make and design.

\* On October 3, 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:**  
**An Eyeful of Surprises**  
Saturday, 11:30 am and 3 pm;  
Sunday, 1:15 and 3 pm  
Galileo first pointed the newly invented telescope to the skies in the year 1609. What world of wonder did he discover? Come and find out!

### In the Mueller Observatory

Wednesday evenings, weather permitting, September through the end of May, 8:30 to 11 pm (arrive before 10 pm; dress for the weather). View the night skies through our 105-year-old, 10 ½-inch Warner & Swasey telescope. Jupiter is back in all its glory. See the always-shifting four Galilean moons swinging around the gas giant.



### In the Smead Discovery Center

Monday through Saturday, 10 am to 4:30 pm;  
Wednesday, 10 am to 8 pm; Sunday, 1 to 4:30 pm

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! Check out our new and improved giant world map.

### Smead Discovery Center Programs

**Free with Museum admission.**  
**Dinosaurs Galore!**

Saturday, October 10, 10 am to 4 pm;  
Sunday, October 11, 1 pm to 4 pm

Enjoy special dino activities and crafts that complement the new exhibit *Dinosaurs: Ancient Fossils, New Discoveries*. What will you and your family discover?

### Archaeology Day in the Smead Discovery Center

Saturday, October 24, 10 am to 4 pm

What does an archaeologist do? What clues help them understand the past? How is an archaeologist different from a paleontologist? Learn about how archaeologists make meaning from their discoveries. Our family friendly activities will help you understand the science (and fun) of archaeology.

## 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.**

### September and October: Creepy Creatures and Critters People Love to Hate

Many are the creatures that people find creepy — denizens of dark or underground places, critters that slither, slime, stink or spray, or those animals with more than four legs. These animals may seem scary to us because they inhabit worlds we don't understand, and we don't see how they function. Join us in an exploration of some of the creepy creatures and discover their true nature.



## 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 Saturday and Sunday, noon to 5 pm. All programs are offered from 2 to 3:30 pm unless otherwise noted, and are free with registration at [rdonalds@cmnh.org](mailto:rdonalds@cmnh.org) or (440) 257-0777. Please dress for the weather; trails may be muddy.

### Special Programs

#### September 6: Naturalist's Choice:

So much is blooming and buzzing this fun time of year. Let's discover the late summer wonders on a walk in and around the marsh.

#### September 13: What's in the House?

Explore Mentor Marsh with your left and right brain as we talk and walk about the marsh and respond using poetic poems like alphabet and picture poems that everyone can write.

#### Saturday, September 19:

##### Coastweeks Cleanup 8 to 10 am

Join us at the Nature Center to take part in the International Coastal Cleanup. Please wear clothing and footwear appropriate for wet and muddy clean-up locations. Bring gloves if you have them and we'll provide bags. Follow up the morning's work with a guided marsh hike led by the Museum's Curator of Botany Dr. Jim Bissell.

#### September 20: Marsh Highlights 8 to 10 am

If you couldn't attend the Saturday Coastal Cleanup hike with Dr. Jim Bissell, join us today for a recap hike.

## Saturday Science Programs

Saturday Science is a family program geared toward kids in elementary school. Each program is held the third Saturday of each month, and includes a story, a hike and a craft or activity. Meet at the Nature Center. Registration is required at (440) 257-0777 or [rdonalds@cmnh.org](mailto:rdonalds@cmnh.org). Limit 20. One adult for every three children please. Dress for the weather—light rain will not cancel the program. Insect repellent is recommended.

#### September 19: Nature's Alphabet

We will put a different spin on the alphabet and discover it out in nature!

#### October 17: On the Trail of . . .

Calling all nature detectives! We will be looking for what animals are roaming the marsh.

#### September 27: Lagoons Discovery Hike

Meet us at the Mentor Lagoons City Nature Preserve trailhead (8365 Harbor Drive) for a walk at the western edge of the marsh.

#### October 4: Buckeye Trail Explorations

Join Buckeye Trail Volunteer Debbie Zampini for a hike on Mentor Marsh's section of the Buckeye Trail. We'll learn a little history of the Buckeye Trail along the way.

#### October 11: Fall in the Forest

Fall is a great time to get to know the trees. This hike will be a fun way to do it.

#### October 18: Ready, Set, Sleep

Discover how nature prepares for winter and hike through the marsh.

#### October 25: Lagoons Discovery Hike

Meet us at the Mentor Lagoons City Nature Preserve trailhead (8365 Harbor Drive) for a walk at the western edge of the marsh.

# September

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

## Museum Hours

Monday through Saturday, 10 am to 5 pm;  
Wednesday, 10 am to 10 pm (Observatory open 8:30 to 11 pm  
through May, weather permitting);  
Sunday, noon to 5 pm

## Museum Store Hours

Monday through Saturday, 10 am to 5 pm;  
Wednesday, 10 am to 8:30 pm;  
Sunday, noon to 5 pm

1

**Audubon Society, 7:30 pm;**  
**Gemological Society, 7:30 pm**

6

**Kirtlandia Society, 9:30 am**



13

20

27

**Kirtland Bird Club, 7:30 pm**

**Guild of Nature Artists, 7 pm**

**Trout Club, 6 pm**

**Adult Field Trip, Urban Botany  
Trek, 9 am;**  
**Guild of Nature Artists, 7 pm**

23

30

**Kelley Cup Golf Classic, 7:30 am**

**Conservation Symposium, 9 am**

**Adult Field Trips, Hawk  
Migration at Oak Openings, 7 am;  
Autumn Weekend Adventure  
4 pm (thru 9/27);  
Explorer Series, Wild Ohio: The  
Best of Our Natural Heritage,  
Jim McCormac, 7:30 pm**

24

## 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.

## For Visitor Information

Call (216) 231-4600 or 800-317-9155 or visit [www.cmmh.org](http://www.cmmh.org)

**Adult Field Trips, Survival  
Techniques for Backpackers,  
8 am (thru 9/6); The Flora and  
Fauna of Caves, Ledges and  
Rock Formations, 10 am**

**Conservation Symposium, 8 am**

**Early Childhood: Parent and  
Preschoolers, Tiny Trekkers,  
9:30 am; Young Explorers, 11 am**

**Adult Field Trips, Hawk  
Migration at Oak Openings, 7 am;  
Autumn Weekend Adventure  
4 pm (thru 9/27);  
Explorer Series, Wild Ohio: The  
Best of Our Natural Heritage,  
Jim McCormac, 7:30 pm**

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**Photographic Society, 10 am**

**Conservation Symposium, 9 am;  
Adult Field Trip, Downtown  
Cleveland Rocks, 10 am;  
Family Programs, Mineral  
Identification Workshop for  
Adults and Children, 1 pm**

**Adult Field Trip, Fall Warbler  
Migration, 8 am; Youth  
Programs, Future Scientists, 9  
am; Dinosaurs of a Feather, 10  
am; Early Childhood: Parent  
and Preschoolers, Tiny Trekkers,  
9:30 am; Young Explorers, 11 am;  
Family Program, Sustainability  
for Families, 1 pm; Explorer  
Travel Club, Peru: (thru 9/29)**

**Youth Programs, Fall Student  
Naturalists I, 9 am;  
Future Scientists, 9 am;  
Adult Program, CPR-Adult,  
Infant and Child, 9 am;  
Adult Field Trip, All  
Things Natural Tour, 10 am;  
Micromineral Society, 1 pm**

26

# October

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

## Exhibits & Shows

**Kahn Hall – Dinosaurs: Ancient Fossils, New Discoveries,**  
October 10 through January 31  
**Fawick Gallery – Visions of Galapagos,** through October 11  
**Every Body Eats,** October 24 through January 10  
**Corning Gallery – Through the Eyes of the Eagle: Illustrating  
Health Living for Children,** October 24 through January 24  
**Lower Level Gallery – Fieldwork: The Rare and the Wonderful  
at Singer Lake Bog**

**Audubon Society, 7:30 pm;**  
**Gemological Society, 7:30 pm**

**Kirtlandia Society, 9:30 am;**  
**Smead Discovery Center,**  
Dinosaurs Galore!, 1 pm

**Family Field Trip, Fall Family  
Fossil Fun, 10 am**



**Adult Program, Coffee with a  
Curator, 10:30 am;**  
**READY! SOAR! EXPLORE!, 4 pm;**  
**Kirtland Bird Club, 7:30 pm**

**Adult Program, Coffee with a  
Curator, 10:30 am;**  
**READY! SOAR! EXPLORE!, 4 pm;**  
**Guild of Nature Artists, 7 pm**

**Adult Program, Coffee with a  
Curator, 10:30 am;**  
**READY! SOAR! EXPLORE!, 4 pm;**  
**Trout Club Clambake, 6 pm;**  
**Explorer Travel Club, Travel  
Preview Night, 7 pm;**  
**Cleveland Geological Society,  
7:30 pm**

**Adult Programs, Coffee with a  
Curator, 10:30 am; The Science  
of Natural History, 6 pm;**  
**READY! SOAR! EXPLORE!, 4 pm;**

1

**Explorer Series, Plastic Debris:  
Lakes to Sea, Dr. Marcus  
Eriksen, 7:30 pm**

**Adult Field Trip, Sparrow  
Search, 9 am;**  
**Women's Committee Benefit,  
Rendezvous with Rex, 6:30 pm**

8

**Frontiers of Astronomy, 8 pm**

**Early Childhood Parents and  
Preschoolers, Tiny Trekkers,  
9:30 am; Young Explorers, 11 am;  
Adult Field Trips, Explore Scott  
Hollow Cave in West Virginia, 1  
pm, (thru 10/25); Saw-whet Owl  
Branding on Kelleys Island, 4 pm  
(thru 10/24);  
Youth Program, Future  
Scientists, 4:15 pm (thru 9/25)**

22

**Adult Field Trip, Haunted Hike  
at Hadlock, 8 pm**

**Youth Programs, Fall Student  
Naturalists I, 9 am;  
Future Scientists, 9 am;  
Explorer Travel Club,  
Canadian Rockies by Rail  
(thru 10/12);  
Photographic Society, 10 am**

**Dinosaurs: Ancient Fossils, New  
Discoveries** exhibition opens;  
**Youth Program, Future  
Scientists, 9 am; Smead  
Discovery Center, Dinosaurs  
Galore!, 10 am;**  
**Adult Field Trip, Grand River  
Terraces, 10 am**

10

**Youth Programs, Fall Student  
Naturalists I, 9 am; Future  
Scientists, 9 am;**  
**Adult Field Trip, Autumn  
Colors in the Gorge, 10 am;  
Earth Science Day, 11 am**

**Every Body Eats** exhibition  
opens; **Through the Eyes of  
the Eagle** exhibition opens;  
**Early Childhood Parents and  
Preschoolers, Tiny Trekkers,  
9:30 am; Young Explorers, 11 am;  
Youth Program, Dinosaurs, Dinos,  
Dinos, 10 am;**  
**Smead Discovery Center,  
Archaeology Day, 10 am;**  
**Adult Field Trip, Exploring  
Harvard Grove Cemetery, 10 am;**  
**Archaeology Day, 10 am;**  
**Astronomy Day, 10 am;**  
**Enrichment Day, 11 am;**  
**Micromineral Society, 1 pm**

17

**Nature League's Annual  
Halloween Party, 8 pm**

31

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24

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Previous page

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# Tracks

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### Go green

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To sign up for this eco-friendly edition, visit [www.cmnh.org/site/SignUpforTracks.aspx](http://www.cmnh.org/site/SignUpforTracks.aspx).

### A New Look at Old Dinosaurs

Travel back in time to the Age of Dinosaurs! Opening October 10, ***Dinosaurs: Ancient Fossils, New Discoveries*** reveals new and exciting ways that paleontologists research dinosaurs and search for fossils. From GPS to computer imaging, they can now accurately find fossil hotspots and gain new insights into how dinosaurs behaved. From walking to breathing, this exhibit shows how technology is unlocking the mysteries surrounding these ancient creatures.

### Every Body Eats

So what do all those labels on your food mean anyway? Starting October 24, ***Every Body Eats*** will offer a closer look at the food we eat every day. Go grocery shopping in the mini grocery store and learn how to plan a balanced meal. Uncover advertising tricks used to get customers to buy unhealthy foods. Explore the different effects that healthy food and junk food have on your body. This interactive exhibit will give you the tools you need to make better food choices for a healthier lifestyle.

### Museum Discovery Cards

Be sure to pick up the latest Museum Discovery Card during your visit. Collect a new card each month to learn about our prehistoric creatures.

