

Tracks



Cleveland Museum of
NATURAL HISTORY

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Let's start talking

Starting September 27, the exhibition **RACE: Are We So Different?** begins a unique discussion about the science, history and everyday impact of race and racism.



From the time we're very young, we all notice that people are different.

Historically, these differences have been sources of strength, unity and community. But they also have been the basis of oppression and discrimination.

And while our differences are socially and culturally real, contemporary science is beginning to challenge "racial" differences, and even question the very concept of race.

RACE: Are We So Different?, which opens in Kahn Hall on September 27, lets visitors explore the science, history and everyday impact of race and racism. Developed by the American Anthropological Association in collaboration with the Science Museum of Minnesota, the exhibition's compelling presentation of artifacts, historic and contemporary photography, multimedia components and interactive

activities gives visitors of all ages the opportunity to think and talk about a topic that touches their lives daily.

"This is an amazing exhibition that tackles an issue that's important to our community and our country," explains Director of Human Health Dr. Linda Spurlock. "It offers a powerful look at race and racism and challenges visitors to talk about the issue and their own experiences."

RACE uses three different perspectives to address the topics of race and racism:

- The Science of Human Variation: Learn what current science research tells us about human variation and its connection to ideas about race. Explore our common ancestry, discover why we are different as well as alike, and see how many common ideas about race are inaccurate or incomplete.

- The History of Race: Ideas about race have been around for hundreds of years, and they have changed over time. This section demonstrates that, throughout American history, economic interests, popular culture, science, politics and the struggle for power have played a role in shaping our understanding of race. Learn about race as a human invention and see how scientists who once legitimized ideas about race are now dismantling them.
- Everyday Experience (Race in our Culture): Though race may not be a real biological concept, it certainly is real both socially and culturally. See how we experience the concept of race in everyday American life — at school and work, at the doctor's office, in the halls of Congress, and even every time we switch on the television!

In conjunction with the exhibition, Museum staff is planning a variety of programs to encourage continuing discussions about race. These include town hall meetings, lectures, a professional development series, teachers workshops and a health fair. (See the first page of this issue's *Inside Tracks* section and visit www.cmnh.org/site/RACE.aspx for more information.)

"The Museum is using this exhibition to create a broader platform from which to engage our community," says Spurlock.

Learn more about the exhibition and explore the topics of race and racism in depth at the accompanying Web site, www.understandingrace.org.

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Life in art



The late William E. Scheele contributed tremendously to the Museum and Cleveland during his life. A new Museum exhibition highlights one of these legacies: his art.

William E. Scheele contributed to the Museum and Cleveland on many different levels over the course of three decades: as Museum director, conservation activist, newspaper columnist and magazine editor. But he left a considerable artistic legacy as well.

Throughout his life, Scheele delighted in drawing and painting. The exhibition *A Passion for Natural History: The Art of William E. Scheele*, which goes on display in Fawick Gallery on October 15, showcases the incredible body of work that Scheele amassed and recounts his life's story.

Artwork in the exhibition, arranged chronologically, starts with his school years. Scheele learned art from teachers Jean and Paul Ulen at West Tech High School and Henry Keller, Frank Wilcox and Paul Travis at the Cleveland School of Art (now the Cleveland Institute of Art).

While still a student, Scheele volunteered at the Museum and eventually was hired as an exhibits preparator. A stint in the Army Corps of Engineers during World War II interrupted his academic and career plans.

Back in Cleveland, Scheele finished his schooling and resumed work at the Museum, this time as head of the Exhibitions Department. In 1949, impressed by his vision for the Museum's future, the institution's board of trustees offered him the job of director.

Under Scheele's leadership, the Museum moved from its original Euclid Avenue location to University Circle. He worked to make the institution a vital part of the University Circle community

and a natural history museum unique in its time. "He made it a walk through the evolution of the planet," remembers his son William G. Scheele. "He brought in native plants and other outdoor features, and those evolved into Perkins."



and a natural history museum unique in its time. "He made it a walk through the evolution of the planet," remembers his son William G. Scheele. "He brought in native plants and other outdoor features, and those evolved into Perkins."

During this period of his life, Scheele's art focused on topics related to Ohio wildlife and Museum-related subjects. He often depicted birds and other animals. "My Dad could do so much to evoke the feeling of an animal just with a couple of lines," his son recalls.

Scheele started a quarterly Museum magazine, *The Explorer*, that became

the membership magazine for a group of Midwest museums. He wrote and illustrated many of its articles. Several examples are included in the exhibition. At the same time, he was writing and illustrating a weekly column on Cleveland's natural history for *The Cleveland Press*.

Between 1954 and 1963, he wrote and illustrated seven books on natural history, which will be on display. These were intended for a young audience, and as the decades passed Scheele frequently heard from people who considered the books their inspiration to pursue careers in science.

Scheele was a voice for issues related to the natural world during the early days of the contemporary environmental movement. He brought influential scientists and thinkers such as Rachel Carson and David Brower to speak at the Museum. Concerned about changes to the land locally, he acquired the first parcel of land in what is today the Natural Areas Program.

In 1972, when Scheele left the Museum to head the World Wildlife Fund in Washington, D.C., a reporter for *The Cleveland Press* wrote, "For nearly a quarter of a century, William E. Scheele has been the local prophet, expounding the beauties of nature and warning us about the evils we are doing to our surroundings." His efforts and ideas helped shape the Museum into the institution it is today.

This exhibition will run through January 11, 2009. It is sponsored by The Louise H. and David S. Ingalls Foundation.

Keeping Track with the Director

The Museum has been a part of my life since 1976.

That's the year I started working in the Physical Anthropology Lab as a grad student. I became a curator in 1989 and executive director in 2000. It's been an amazing three decades.

It was with mixed emotions that on July 21 I announced to Museum staff my intention to retire from the Museum at the end of August. I will miss so many things about the Museum: the intellectual camaraderie, shared passion for science, the work that we do every day to explain how the natural world works and define humanity's place in it.

But it's time I attended to other aspects of my life. I want to spend more time with my family, particularly before my daughter goes off to college. I need more time to devote to the book that is itching to get out of my head and onto the printed page. And I'd like more time to spend in the classroom, helping prepare the next generation of scientists for careers like I've enjoyed.

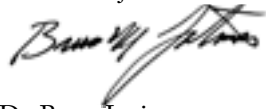
I've done my best to leave the Museum a better place. It's certainly a different one than it was eight years ago. We've made terrific physical improvements, including the Shafran Planetarium and renovated Perkins Wildlife Center & Woods Garden. We've added human health and sustainability to our work through our mergers with HealthSpace Cleveland and EcoCity Cleveland. And we've created collaborations

with other institutions within University Circle and with those that have similar missions in Northeast Ohio.

Our aspirations are grander as well. We are poised to reinvent the traditional model of the natural history museum. We'll trace the evolution of life on our planet from the Big Bang to the present. This will include human evolution, and thanks to Dr. Yohannes Haile-Selassie and our collaborations with anthropologists at area universities, we have the intellectual capital necessary to make this the definitive treatment of this subject. Along the way, we'll point out the connections to human health, fold in messages about conservation and raise awareness of the need to reconsider how we as a species treat our planet.

Starting September 1, Museum COO Bonnie Cummings will become interim executive director. A search for my successor is already under way. In the meantime, our renovation and expansion plans will continue on their intended path, and all other Museum work will go on as usual.

I want to thank you for your support as a member and friend of this museum. It has been an honor to be associated with such a fine institution, truly one of Cleveland's jewels.



Dr. Bruce Latimer
Executive Director



A partnership for learning

A new approach to high school education has debuted in University Circle this school year, and the Museum is a part of it.

Montessori High School at University Circle is the first school in the area to serve students through 12th grade with a Montessori-based curriculum. Montessori education is child-directed, allowing students to learn at their own pace, with minimal testing and no standard textbooks.

For nearly a year before it opened in mid-August, Museum staff worked with the school's executive director, David Kahn, and its director of curriculum, Chris Kjaer, on curriculum, student open houses and introductory programs.

The Museum is a "staging area" for the school. Students come here for experiences

that allow them to apply the information they've learned in the classroom.

They work with personnel in the Museum's curatorial, wildlife, natural areas, photographic and educational departments, as well as other areas, in a number of ways. Many of these interactions benefit the students and support Museum operations at the same time.

Museum scientists and other personnel present special lectures and provide informational support for class projects. Special experiences for student groups, such as behind-the-scenes tours and field trips, are also available, as are opportunities to volunteer for short-term service projects.

Individually, students can arrange to shadow a Museum curator during their break between semesters. They also can

apply for an apprenticeship with a certain curator or other Museum staffer. If a student is accepted, he or she undergoes training to gain the skills necessary to be a productive part-time worker in that Museum area. The Museum is paid for training the student, and that money is directed to the specific department doing the training.

"If all goes well, that could be a person who spends four years interacting with a certain department, developing skills so that they become an asset," says Museum Director of Science and Curator of Invertebrate Zoology Dr. Joe Keiper. "Our staff is enthusiastic about an opportunity to serve the Museum's mission while, in some instances, obtaining funds to support ongoing programs."

The Museum is one of the educational resources available to students at the new Montessori High School in University Circle.

Acknowledgments

The Museum gratefully acknowledges the following gifts and grants made between May 10 and June 30, 2008.

The **Grimm Family Foundation** contributed \$7,500 for the Annual Fund, \$20,000 to the Natural Areas Program to protect Geneva and Kingsville swamps, and \$2,500 for the Cooper's Hawk in the Ralph Perkins II Wildlife Center & Woods Garden.

The **Saint Luke's Foundation of Cleveland, Ohio** awarded a \$10,000 grant in support of the upcoming exhibition *RACE: Are We So Different?* and related educational programming.

The **Mastin Fund of The Lakeland Foundation** renewed its support for the Mentor schools to take field trips to Mentor Marsh with a grant of \$1,500.

The **Leakey Foundation** awarded a grant of \$15,000 to Dr. Yohannes Haile-Selassie to continue his hominid analysis research.

A \$12,500 grant was received from **The Lincoln Electric Foundation** for the Annual Fund.

Forest City Enterprises Charitable Foundation, Inc. contributed \$25,000 in support of the RACE Project and exhibition *RACE: Are We So Different?*

A grant of \$33,334 from the **Bicknell Fund** will support the purchase of a *Tyrannosaurus rex* mount to complete the new dinosaur exhibit in Kirtland Hall.

The **National Park Service** awarded a \$4,264 grant to support Dr. N'omi Greber's archaeological field studies of the High Bank Earthworks in Ross County, Ohio.

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)

Robert and Beverly Danielson
John and Kristie Kohl
Emily C. Parkman
Allen D. Smith
Frederick and Betsy Stueber

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

Laurence G. Isard
C.W. Eliot and Linda Paine
Nathaniel and Mary Smith

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

Anonymous (1)
Scott and Josephine Inkley
Thomas and Kathleen Leiden
S. Sterling and Judith McMillan
James and Dolores Storer

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

John and Wilma Bergfeld
Raajnish Chitaley
William and Barbara Coleman
Amos and Samantha Crowley
Roy Kaelin
Creighton and Janice Murch
Joseph and Marla Shafran
John and Alexa Sulak

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

Willard W. Brown, Jr.
Peter and Janice Calfee
Ellen W. Chinn
Ronald and Vicki Copeland
Morris and Jill Dixon
William and Judith Hoislbauer
Dennis Kaelin
Dr. Bruce M. Latimer and Ms. Cindy Cover
Bill and Betty-Ann Lynerd
Richard and Marilyn Marrapese
Stephen and Amanda Morris
Mrs. Judith C. Murch
Ms. Lanie Strassburger

J. Mary Taylor, Ph.D.
Betty Weiss
Jeffrey and Missy Wert
John and Margaret Wheeler

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 Eagle (\$50,000 and above)

Dominion Foundation
Robbins & Myers Foundation

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

Forest City Enterprises Charitable Foundation, Inc
The Lincoln Electric Foundation

Corporate Fellow (\$5,000-\$9,999)

Archeological Networks, Inc.

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

Eaton Corp.
NACCO Industries, Inc.
Smith & Oby

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

Ben Venue Laboratories, 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.



Eco-Minded: ideas for living sustainably

How walkable is your address?

You may already have a sense of how walkable your neighborhood is. Now you can put that perception to the test at www.walkscore.org. It's an interesting, if not entirely accurate, tool and a way to get people thinking about the value of being able to take care of the tasks of daily life without having to drive.

Reconsider your commute

Last July, the Northeast Ohio Areawide Coordinating Agency (NOACA) issued its annual Commuter Challenge, asking Northeast Ohioans, "How many days can you avoid commuting alone?" It's a worthy question to consider any time of

year. To explore whether carpooling or bicycling to work could work for you, visit www.noaca.org/greencommute.html or www.ohiorideshare.org.

Change a light bulb (or two)

Compact fluorescent light (CFL) bulbs use up to 75 percent less energy than traditional incandescent bulbs and can last 10 times as long. However, because each bulb contains a small amount of mercury, their safe disposal has been a concern. As of last June, The Home Depot began recycling CFL bulbs. Simply take your expired, unbroken bulbs to the returns desk at any location.



Staff news

Find out what's new in the Ralph Perkins II Wildlife Center & Woods Garden on the blog being kept by Wildlife Resources Division staffers. You can find it at www.cmnh.org/site/AtTheMuseum/Wildlife/Blog.aspx.

Curator of Physical Anthropology Dr. Yohannes Haile-Selassie and Giday WoldeGabriel of Los Alamos National Laboratory edited the monograph "*Ardipithecus kadabba*: Late Miocene Evidence from the Middle Awash, Ethiopia." This book is the second in a series dedicated to fossil discoveries made in the Afar region of Ethiopia. It will be available in November.

David Beach, director of the GreenCityBlueLake Institute, wrote two journal articles with Joseph A. MacDonald, senior associate for program development at the American Planning Association. The first, "Saving a shared asset: Ohio communities protect their Great Lake Watersheds," was published in the August/September issue of *Planning: The Magazine of the American Planning Association*. The second, "Applying GIS-based land suitability analysis: The Ohio Lake Erie experience," appeared in the July/August issue of *PAS Memo*, a bimonthly digital publication of the Planning Advisory Service.



Museum bobcats have new space

Gallery changes

Visitors to the Museum may have noticed changes to our permanent exhibits. In Sears Hall, the African lion family was replaced by the mount of a leopard hunting a springbok, a gift of Dr. Fred A. Brindle. The lions will receive a much-deserved cleaning and refurbishment, and then take up residence in the Museum's Cold Room while awaiting future display.

Last June, the Museum's two bobcats moved into an expanded and refurbished enclosure in the Ralph Perkins II Wildlife Center & Woods Garden. Most notable about this new space are the 20-foot-high poles, outfitted with perches, that support the vaulted wire

roof. This "enhanced verticality" allows Wildlife Resources Division staff to add enrichment activities that encourage the animals to use their natural climbing and leaping abilities. The enclosure was made possible by a gift from Museum trustee Anne Jones.

Watch for major exhibit changes in Kirtland Hall of Prehistoric Life beginning this fall. During the latter half of October, *Allosaurus* will be taken off display. This move will make room for a new *T. rex* replica mount, which will be displayed with the existing *Triceratops* mount in face-off position starting mid-December. *Allosaurus* will be remounted in a position that reflects current thinking on theropod posture and returned to display in 2009.

A unique collaboration

Thanks to the efforts of students from Cleveland Sight Center, the "Please Touch" Wall and Bird Song Piano exhibits in the Museum's Smead Discovery Center have been outfitted with new labels with both Braille and printed text. It was the first of several visual accessibility projects planned for the SDC.

Cory McMahon of St. Louis, Missouri; Lauren Adams of Pickerington, Ohio; Kelsey Nicolai of Medina; and Jack Desmond of Shaker Heights worked on the Braille project from the summer of 2007 through spring 2008. After much fine-tuning, they fit Braille and printed text into spaces on the exhibits designed only for the latter. Museum Exhibits Division and Discovery Center staffers completed mounting the labels this past summer.

Three students in this group were participants in Fundamentals for Success, a six-week Cleveland Sight Center program that helps high-schoolers with sight impairments acquire the skills they need to live and work independently. This program also placed eight students at the Museum during summer 2008: William Cunningham of Warrensville Heights; Viktoriya Ivanchuk of Chesterfield, Missouri; Ryan Lesley of Jackson, Missouri; Ryan Sima of Brooklyn, Ohio; Kyle Cox of Ansonia, Ohio; Corey Pappas of Oregon, Ohio; Holden McFarland of Bonne Terre, Missouri; and Michael Walker of Arnold, Missouri.

Several of this summer's students were involved in determining ways the Museum can provide greater accessibility to sight-impaired visitors. They worked in the Smead Discovery Center and other public Museum areas. Others gained work experience in the Museum Store, where they assisted with inventory and processing new

merchandise, and the astronomy and volunteer departments.

Museum friends remembered

The Museum lost two supporters of its scientific work recently. Veterinarian Dr. Wallace Wendt donated a conservation easement on his 272-acre property on the West Branch of the Rocky River, called Wendtwood, to the Museum and Western Reserve Land Conservancy in June 2006. For years, he allowed Museum staffers to lead members field trips on the property. He died last April.

George Reich, who died in June, spent many hours with his wife, Doris, and sons, Kurt and Mark, walking area rivers and streams looking for Devonian Period fossils. They would search the exposed shale cliffs for concretions that might contain fossil material or actual fossilized bone exposed by erosion. They'd then alert Vertebrate Paleontology Department personnel about promising sites, many of which yielded excellent specimens. Reich and his family also donated fossil plant material to the Museum.



Judy Semroc

The Baum Tract on Conneaut Creek

New natural areas dedicated

On May 18, the Natural Areas Division dedicated the Baum Tract on Conneaut Creek. The tract was named after William Baum in honor of his lifelong passion for the preservation of ecologically significant natural areas. The 56-acre property connects the 140-acre Blakeslee/Barrows Preserve and Richardson Tract to the 203-acre Hubbard Easement, protecting 400 acres of continuous forest along Conneaut Creek.

On August 2, the Lyman-Powell-Armstrong Hemlock Swamp was dedicated. This 14-acre preserve is located in Conneaut.

Correction

In the July/August issue, in the brief article about Kent Hale Smith Award winner David Mitchell, the name of the docent who assisted him with the Human Evolution chart should have been Lillian Rubin.

Learning by doing

This summer, students from high schools and colleges close to home and around the country gained real-world work experience at the Museum.



The 2008 Adopt-A-Students included (l to r) Anthony Wong, Katherine Marshall, Allison Parker, Malaney Varaljay and Jovanna Silipigni.

The 2008 Adopt-A-Students and Kirtlandia Interns

The **Donald S. Dean Adopt-A-Student program**, sponsored by the Kirtlandia Society, a Museum Associated Society, offers college students the chance to gain career experience in scientific fields. For eight weeks, students work under the guidance of a curator to complete a special research project that incorporates the Museum's collections or fieldwork. Similarly, one to two students each year work as **Kirtlandia Interns**, working on a project within a Museum division other than Collections & Research. All students present the results of their projects at the Kirtlandia Society's August luncheon. Marketing and Communications Division interns Nicole Karn and Russ Elek talked with this year's students about their projects and experiences.

Visit www.cmnh.org to learn more about the Adopt-A-Student program.

Jovanna Silipigni

Department: Cultural Anthropology; **Adviser:** Adriann Balok; **School:** John Carroll University graduate, sociology major/history minor; **Project:** Identifying the 300 to 400 unknown objects in the Cultural Anthropology collection, focusing on items made for tourists; **Best Experience:** Working with a variety

of individuals, as well as experiencing cultures throughout the world by interacting with their material objects

Matthew Kneitel

Department: Wildlife Resources; **Adviser:** Harvey Webster; **School:** The Ohio State University, senior zoology major; **Project:** Working alongside staff members as they compared the eating habits of the Museum's owls with those of other institutions to determine if diet has anything to do with liver failure in the Museum's owls; **Best Experience:** Building relationships with the mammals in Perkins Wildlife Center

Heather Hillenbrand

Department: Physical Anthropology; **Adviser:** Dr. Yohannes Haile-Selassie; **School:** Miami University, senior anthropology major; **Project:** Looking at adaptations for bipedalism in an australopithecine first metatarsal by comparing it to a sample of first metatarsals from modern humans and chimpanzees; **Best Experience:** Working with the Hamann-Todd Osteological Collection. "It is amazing to have daily access to such a fantastic resource."

Waymon Holloway

Department: Paleobotany; **Adviser:** Dr. Shya Chitale; **School:** Ohio University graduate, anthropology major; **Project:** A comparative study of

the three members of the Ohio Shale near Cleveland (Huron, Chagrin and Cleveland shales), with a focus on the Huron Shale; **Best Experience:** Field work. "Any day that you get to wade through a river and break open rocks with a hammer is a good day."

Rebecca Safron

Department: Vertebrate Zoology; **Adviser:** Dr. Tim Matson; **School:** Bowling Green State University, senior biology major with a focus in conservation and ecology; **Project:** Multiple projects including collections work and field research involving mudpuppies and lampicide; **Best Experience:** "I liked going out in the field. Tim [Matson] and Roberta [Muehlheim] are really great to work with. I liked learning the local species of flora and fauna. It's cool to say, 'I know that.'"

Anthony Wong

Department: Astronomy; **Adviser:** Clyde Simpson; **School:** Ohio Wesleyan, junior astrophysics and math double major; **Project:** Working with the department's new digital video camera, taking images and videos with it to incorporate into planetarium shows; **Best Experience:** Taking the images that will actually be used in a display or show, answering questions after a planetarium show and helping the public out

Katherine Marshall

Division/Department: Natural Areas and Botany; **Adviser:** Dr. Jim Bissell; **School:** Earlham College, Indiana, sophomore, undecided major; **Project:** The Ohio Glacial Lakes Survey: comparing current plant life in and around lakes with the plant life found when the survey was first done; **Best Experience:** The chance to learn and get outside

Allison Parker

Department: Natural Areas and Botany; **Adviser:** Dr. Jim Bissell; **School:** University of Richmond, junior biology major; **Project:** The Ohio Glacial Lakes Survey: Comparing current plant life in and around lakes with plant life found when the survey was first done; **Best Experience:** Building experience for a future career in some aspect of conservation and biology

Allison Vitkus

Department: Invertebrate Paleontology; **Adviser:** Dr. Joe Hannibal; **School:** Carlton College, Minnesota, junior geology major; **Project:** Looking at trace fossils in a certain area of Chagrin Shale; **Best Experience:** Learning to identify some of the trace fossils. “It’s great when you can say, ‘Is this what it is? Yes!’”

Malaney Varaljay

Department: Archaeology; **Adviser:** Dr. N’omi Greber; **School:** Indiana University, senior anthropology and geography double major; **Project:** Working on a Hopewell culture Native American earthworks site; **Best Experience:** Getting the chance to work on an archaeological dig and gain “amazing exposure to the richness of Ohio archeology and its past.”

Additional Museum interns

This year’s Cleveland Archaeological Society intern was **Ciera Herron**, a senior at Case Western Reserve University majoring in history and anthropology with a concentration in archaeology and a minor in Spanish. She worked as a field school assistant at the Burrell Orchard site in June and early July and then completed an analysis of the 4,000-year-old stone tools from the site.

Lora DiFranco, a student at Oberlin College, interned with the

GreenCityBlueLake Institute. She created an inventory of environmental sustainability initiatives at colleges and universities in Northeast Ohio for the GreenCityBlueLake Web site, as well as a tool kit for campuses to use as they work to achieve climate neutrality. Her internship was underwritten by a grant from the Abington Foundation.

Rebecca Moore, a senior economics and political science major at Case Western Reserve University, also interned with GreenCityBlueLake Institute. She researched the Green Jobs industry and job potential for the state of Ohio and the economic implications of various climate change policy strategies. She also helped with the climate change project, which is mapping out a transition plan for Northeast Ohio to reduce its carbon footprint.

Katie Overholser, a student at Case Western Reserve University with an interest in veterinary medicine, interned in the Wildlife Resources Division.

Maddy Culbertson also interned in the Wildlife Resources Division. She wanted to obtain on-the-job experience before pursuing a degree at John Carroll University.

Katie Lorber, a sophomore at Cleveland State University, worked as an intern in the Science Resource Center. She helped update SRC thematic teaching kits with current

scientific information and new equipment and align them with Ohio Academic Content Standards.

In the Marketing & Communications Division, **Nicole Karn**, a junior at Case Western Reserve University, put together an event protocol planning binder in addition to interviewing Adopt-A-Students for *Tracks*. **Ali Tabaczynski**, a senior marketing major at American University, created a database of teacher contact information that will be used to market the Museum’s educational programs. And recent Hiram College grad **Russ Elek** helped create press releases and assisted with other public relations duties while also contributing interviews of Adopt-A-Students to this newsletter.

Cleveland Metropolitan School District students **Dominique Adams** and **Monique Russell** worked in the invertebrate paleontology and archaeology departments for their nine-week internship arranged through the Future Connections Program.

Each summer, the Museum’s Natural Areas Division hires Conservation Interns to tackle the tough work of removing invasive plants and clearing brush on our preserves. This year’s interns were **Barbara Summers, David Chirdon, Seth Grissett, Lauren Wargo, Josh Clevenger** and **Kara Quirke**.

Mission (statement) accomplished

In June, the Museum adopted a revised mission statement better reflecting the multifaceted nature of its work.

Former Mission Statement

(adopted: 1995):

The Cleveland Museum of Natural History aspires to instill a deeper understanding of and appreciation for nature. The Museum will engage, educate and enrich people of all ages, abilities and backgrounds with a recognition of their role in nature, and the need for conservation and preservation of natural diversity in a rapidly changing world.

New Mission Statement

(adopted: 2008):

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.

On June 17, the Museum’s board of trustees approved a new mission statement for the Museum that reflects how the institution’s work has expanded in the past decade.

A committee of eight Museum staff members and trustees began work on creating the new statement last December. The committee was led by Trustee Amos Crowley, who is principal of Crowley Media, an advertising sales firm.

“We didn’t set out to change the mission statement, but to update it,” Crowley explains. “A lot has changed in 15 years.”

Committee members recognized that they needed to condense the Museum’s multifaceted work into one sentence. They also wanted the statement to be something

that resonated with Museum constituents.

“Natural history is as broad a subject as you can come up with,” Crowley comments. “When you factor in health, conservation and sustainability, which are things that the typical natural history museum doesn’t have, then that scope is even broader.”

The committee worked for five months, occasionally seeking outside advice and input. The results were presented to the board’s Executive Committee on May 13 and, after some additional tweaking, brought before the full board on June 17 for approval.

“I’m pleased with what we came up with,” Crowley says. “This mission statement will last us. It’s broad enough to allow us to evolve, yet specific enough to identify what we do now.”

Inside Tracks



Cleveland Museum of
NATURAL HISTORY

September/October 2008

Continue the **Conversation About RACE**

Join us at the Museum for these programs offered in conjunction with the exhibition *RACE: Are We So Different?* Unless otherwise noted, events will be held at the Museum and are free and open to the public.

Town Hall Meeting Series

These informal gatherings are open to the community and are intended to foster open communication about issues involving race and racism. Additional town hall meetings will take place through December. All evenings start at 6 pm with a reception; conversation begins at 7 pm.

Inclusion, Equity, Privilege, Leadership and Social Responsibility: Are We Making Progress in the 21st Century?

Tuesday, October 7

Dynamic speaker and diversity consultant Dr. Eddie Moore Jr. addresses the topics of inclusion, equity, privilege, leadership and social responsibility. You're then invited to join the conversation on these issues. *Co-sponsored by YWCA Greater Cleveland*

Race, Health and Biology

Thursday, October 23

A panel of experts from the Museum, local hospitals and area universities will address the origins of race as they relate to human variation and science, the role of science in shaping the concept of race, and connections to genetic research, forensic work and biology.

Race and Politics

Tuesday, October 28

A panel of local, regional and, possibly, national politicians will talk about race and its impact on the upcoming election and the country.

These were the programs confirmed as of press time.

Special Events

Community Conversation Featuring Marian Wright Edelman

Wednesday, October 1,

6 pm reception, 7 pm lecture



Facing History and Ourselves and The Allstate Foundation present a Community Conversation Featuring Marian Wright Edelman. President of the Children's Defense Fund and a best-selling author, Edelman examines how to make our nation and world safe and fair for all children. She also offers insights from her new book, *The Sea Is So Wide and My Boat Is So Small*. This event is part of a national speaker series offered by Facing

History and Ourselves and The Allstate Foundation that explores issues of civic responsibility. Presented in partnership with The Cleveland Museum of Natural History.

Urban Professionals Night

Friday, October 10, 5:30 pm

This after-work event will bring together Northeast Ohio's groups for young urban professionals for a networking opportunity. The evening will feature a speaker who will discuss the changing face of America's race and its impact on future generations and the workplace. *Co-sponsored by Cool Cleveland*

Community Health and Wellness Fair

Saturday, October 25, 10 am to 3 pm

Come to the Museum for a day devoted to health and wellness for everyone. Attend workshops and presentations on health, wellness and fitness topics. Participate in health related screenings. Special emphasis will be placed on educating participants about the benefits of wellness and fitness.

Please visit www.cmnh.org/site/RACE.aspx for a full schedule of programs and more information.

Fifth-Annual Conservation Symposium Keeping Current: Stream Ecology, Conservation & Restoration

Thursday through Saturday, September 4 to 6

Rivers and streams are the lifeblood of a region's ecological systems. When they are of high-quality, they help maintain the health of local habitats. Rivers and streams also impact the quality of human life, and are themselves affected by human activity. This year's symposium will explore what's going right with the conservation of rivers and streams in our region and what challenges we presently face. Join us on Thursday afternoon, September 4 and Saturday morning, September 6 for field trips to various locations along the region's many watersheds. Also on September 4, we will offer optional daylong workshops on the Headwater Habitat Evaluation Index and Dragonfly Larval Identification, plus an evening cruise on the Cuyahoga River. **Workshops: \$25; Cuyahoga Cruise: \$30; Symposium: \$15**



Are We So Different?

Family Activity

Bike Ride on the Underground Railroad Bicycle Route

Sunday, October 5, noon to 6 pm

Join us for a 15-mile ride on the Western Reserve Greenway bike trail in Ashtabula County, part of the Adventure Cycling Association's international Underground Railroad Bicycle Route. Moderately strenuous. Minimum age: 12. **Members: \$20; nonmembers: \$27. Limit 10. Register at (216) 231-4600, ext. 3214, or www.cmnh.org.**

Exploring Race: Lunchtime Conversations

Mondays, October 20 and 27, November 3 and 10,
noon to 1 pm

Each week, a different professional will speak on race within the context of laws and customs of our nation, science, health and the living experience. **October 20:** Dr. Charles Modlin: Race and Health Disparities; **October 27:** Race and the Lived Experience; **November 3:** Kathryn Hall: Race and the Legal Issues of Inclusion; **November 10:** Linda Spurlock, Ph.D.: The Science of Race. Bring a bag lunch — we'll supply coffee and tea. **Members and nonmembers: \$40. Limit 20. Register at (216) 231-4600, ext. 3214, or www.cmnh.org. Co-sponsored by Case Western Reserve University**

Professional Development Series

Three-part series offered twice between October 14
and November 6

In partnership with The Diversity Center, the Museum is offering a three-part series of three-hour afternoon and evening workshops on race and topics covered in the exhibition. **Fee: \$150 per person per series or \$65 per session.**

Carol H. Sweet Nature Center Programs at Mentor Marsh

5185 Corduroy Road, Mentor

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Mentor Marsh is an interpretive nature preserve of the Museum and the Ohio Division of Natural Areas and Preserves. Trails: open daily, year-round, dawn to dusk. Nature Center: open Saturdays and Sundays, noon to 5 pm from April through October; starting November, open the first Sunday of the month, 11 am to 4 pm.

Saturday Science family programs are offered on the third Saturday of the month from 10 to 11:30 am. They are geared toward kids at specific age levels and include a story, hike and craft or activity. **Free with registration at (440) 257-0777 or bkooser@cmnh.org.**

September 20, grades 1 and 2: Nature's Alphabet — Discover the alphabet in nature.

October 18, grades 3 and 4: On the Trail of... — Find out what animals are roaming the marsh.

Nature programs are offered each Sunday at 2 pm through October 26, then the first Sunday of each month through March. Meet at the Nature Center unless otherwise indicated. Dress for the weather. **Free. Unless otherwise indicated, register at (440) 257-0777 or bkooser@cmnh.org.**

September 7: Monarch Walk — We'll talk about monarch butterflies, then go to Headlands Beach State Park to see if we can spot any.

September 14: What a Wetland! — Examine Mentor Marsh from the inside as we check out the benefits wetlands provide. Part of **Coastweeks 2008**. Register at (440) 974-5720 before 4 pm on Sept. 12.

September 21: Year of the Frog — Venture out to our amphibian ponds to see what is around. Part of **Coastweeks 2008**. Register at (440) 974-5720 before 4 pm on Sept. 19.

September 28: Mentor Lagoons Discovery Walk — Walk the western end of the marsh (meet at Mentor Lagoons, 8365 Harbor Dr.).

October 5: Oh Deer! — Hike on Zimmerman Trail to the deer exclosures.

October 12: Hike on Kerven Trail — Look for late wildflowers and any butterflies that are still around.

October 19: Colors of the Fall — Hike on Zimmerman Trail and see fall colors.

October 21: Who's Been Here? — Walk on Wake Robin Trail and look for evidence of animals.

October 26: Mentor Lagoons Discovery Walk — Walk the western end of the marsh (meet at Mentor Lagoons, 8365 Harbor Dr.).

Join us for additional **Coastweeks 2008** programs (See www.epa.state.oh.us/oleo/cw/events08.html for a schedule.)



Inspire your curiosity

EXPLORER Series

2008-2009

The *Explorer Series* offers memorable presentations on an array of fascinating topics. Make a night of it and arrive early before each talk. Each evening begins at 5:30 pm. Purchase food in The Blue Planet cafe, catch up with friends and family, listen to live music, enjoy the Museum's outstanding exhibitions and browse the merchandise in the Museum Store. Stay afterward for book signings by selected speakers and stargazing in the Ralph Mueller Observatory, weather permitting.

Tickets: Members: adults \$8; students and seniors \$7; Nonmembers: adults \$10; students and seniors \$9. Or purchase tickets for the entire *Explorer Series* season today — just \$64 for members, \$80 for nonmembers — and save 20 percent off the full ticket price.

The *Explorer Series* is generously sponsored by the Museum's Women's Committee, WVIZ/WCPN ideastream, Cleveland Magazine and Cuyahoga County Public Library.

For tickets to Museum events, call (216) 231-1177 or 800-317-9155, ext. 3279, or visit www.cmnh.org.



Stories from a Changing Planet

Dr. George Divoky, Dr. David Harwood, Dr. Ralph Harvey and Dr. Christine Foreman, polar researchers
Friday, September 12, 7:30 pm

Find out what Earth's polar regions can tell us about how and why our global climate is changing from scientists who've lived and worked in these icy, remote places. Ornithologist Dr. George Divoky of Friends of Cooper Island, geologist Dr. David Harwood of University of Nebraska-Lincoln and the Antarctic Drilling Program, planetary geologist Dr. Ralph Harvey of Case Western Reserve University, and microbiologist Christine Foreman of Montana State University share what they've seen and learned in compelling presentations that use authentic artifacts and dramatic high-definition video clips. Discover why the poles matter to Cleveland. **Join us for the family version of this presentation, POLAR-PALOOZA, on Saturday, September 13. See next page for details.**



Ecological Design Across the Changing Metropolis

Joan Iverson Nassauer, landscape architect
Friday, September 26, 7:30 pm

Co-sponsored by The Native Plant Society of Northeastern Ohio
Ecological design means using every aspect of the planning, design, construction and management of metropolitan

landscapes to benefit long-term ecological health and ecosystem services. One of its fundamental requirements is cultural sustainability: ensuring that people enjoy and appreciate landscapes that are patterned and managed to benefit ecological health. Joan Iverson Nassauer, professor of landscape architecture at the University of Michigan, describes culturally sustainable ecological designs for road corridors, vacant urban properties, brownfields, greenfield subdivisions and home landscapes. She also discusses on-the-ground experiments and Web surveys that demonstrate how and why these designs work.



Peace and Science in the Middle East

Dr. Uri S. ten Brink, geophysicist
Friday, October 17, 7:30 pm

Co-sponsored by the Incorporated Research Institutions for Seismology and the Seismological Society of America

The cultures and political conflicts of the Middle East have been shaped by a diverse and youthful landscape dominated by the Dead Sea rift valley. Thanks to recent peace agreements, scientists have been able to cooperate on large-scale geophysical projects to study this feature, a fault system sunk between the western highlands of Israel and the Palestinian territories and the eastern highlands of Jordan. Dr. Uri S. ten Brink, geophysicist at the USGS Woods Hole Field Center, describes three such projects, which have yielded important scientific information and generated peace and friendship among the many people involved. **This lecture is part of Earth Science Evening. See next page for more information.**

Thursday, October 16, 8 pm

Chemistry Meets Astronomy: The Role of Molecules in Understanding Stellar and Planetary Formation

Dr. Eric Herbst, The Ohio State University

Thursday, October 16, 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. If the evening is clear, join us afterward for stargazing 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.



POLAR-PALOOZA: A Celebration of Polar Research

Saturday, September 13, 11 am to 3 pm

Free with Museum admission; no registration required

Join us for a day of exciting hands-on activities stationed throughout the Museum. Here are a few examples of what you will experience:

- Meet researchers who live and work in some of the most extreme conditions on the planet.
- View a stunning HD, family-friendly presentation in our auditorium at 2 pm, followed by Q&A with the researchers.
- See a 3,000-year-old ice core and touch 230 million-year-old fossilized wood from Antarctica.
- Try on some of the cold-weather gear used in the U.S. Antarctic Program.

Earth Science Evening

Friday, October 17, exhibits open at 5:30 pm; lecture is at 7:30 pm

Sponsored by the Cleveland Geological Society in celebration of National Earth Science Week

See special exhibits by geologists and other experts in the fields of earth science and paleontology. Among those present will be the Gold Prospectors Association of America, the Museum's Micromineral Society, Case Western Reserve University's Geology Club and Geology Department and the Museum's Invertebrate Paleontology, Mineralogy, Paleobotany and Vertebrate Paleontology departments (for a full list of participants visit www.cmnh.org). There will also be tours of the Museum's seismic lab. A number of experts will be available to identify your rocks, minerals and fossils. Then attend Dr. Uri ten Brink's *Explorer Series* presentation, *Peace and Science in the Middle East*, sponsored by IRIS/SSA and the Museum. **The evening's activities are included in the Explorer Series ticket price: members: adults \$8; students and seniors \$7; nonmembers: adults \$10; students and seniors \$9.**

Special Lecture by Neil Shubin

Tuesday, October 14, 7 pm

Dr. Neil Shubin, provost of The Field Museum and associate dean and professor of anatomy at the University of Chicago, researches the evolutionary origin of the anatomical features of animals, specifically the evolution of limbs. His most recent discovery, *Tiktaalik roseae*, has been dubbed the "missing link" between fishes and land animals. Shubin discusses *Tiktaalik* and his new book, *Your Inner Fish: A Journey Through the 3.5-Billion-Year History of the Human Body*. **This talk is held at the Museum in conjunction with the Society of Vertebrate Paleontology's annual meeting in downtown Cleveland. Free and open to the public, but tickets are required for entry. Call (216) 231-1177 or visit www.cmnh.org.**



Neil Shubin and part of *Tiktaalik roseae*. (photo by Dan Dry)

Northeast Ohio Environmental Awards

Friday, October 3, 7:30 pm

Co-sponsored by Dominion and Biodiversity Alliance

Join us for the first Northeast Ohio Environmental Awards ceremony. This event will recognize those 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. Michael Hutchins**, executive director and CEO of The Wildlife Society. His talk will address his organization's efforts to tackle some of the most pressing issues facing wildlife managers and conservationists today, ranging from the pending retirements of many wildlife professionals, to energy development, to issues surrounding the sustainable utilization of wildlife, to the need to control populations of selected wildlife species. **Tickets: \$8**

Celebrate Ohio Archaeology Month at the Museum!

Join us for these October programs and classes, offered as part of a statewide, monthlong celebration of archaeology and Ohio's prehistory and history.

Archaeology Day 2008

Saturday, October 4, 10 am to 4 pm
Free with Museum admission

- Archaeology takes center stage at the Museum on this special day. Discover the science and fun of archaeology through exhibits of artifacts and hands-on activities.
- See demonstrations, such as how tools are chipped from stone
 - Try primitive technologies, including atlatl throwing, pump drilling and cordage making.
 - Bring in your artifacts for identification.
 - Meet archaeologists from the Museum and other institutions and members of archaeology-related clubs and organizations.
 - Try kid-friendly crafts in the Smead Discovery Center (see the Visitor Programs page for details).



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

Special Archaeology Lectures

Co-sponsored by the Museum and The Archaeological Conservancy. Lectures are held in Murch Auditorium. Admission is free.

Twenty Years of Archaeological Discoveries in the Hocking River Valley in Southeast Ohio

Dr. Elliot M. Abrams, Ohio University

Wednesday, October 1, 7:30 pm

The last two decades of archaeological research in the Hocking River Valley of southeastern Ohio have yielded significant new findings concerning past indigenous societies. Dr. Elliot Abrams explains how these discoveries serve as the basis for generating refined reconstructions of the important economic transition from food procurement to food production that began some 3,500 years ago. He also discusses other findings, which address the issues of sedentism (living permanently in one place), social organization and regional community formation.

Pottery Ethnoarchaeology in Michoacán, Mexico

Dr. Michael J. Shott, University of Akron

Wednesday, October 29, 7:30 pm

How long did ancient pottery last? This question is deceptively profound, because pottery is abundant in the archaeological record, and its quantity is linked to prehistoric population size and duration of occupation. One way to find out how long ancient pottery lasted is to determine how long pottery lasts today. Dr. Michael Shott discusses the findings of a five-year project that studied the ceramic technology of modern Purépecha in Michoacán, Mexico, which is similar to prehistoric antecedents in western Mexico, to determine the longevity of the resulting pottery.

Cleveland Archaeological Society Lecture Series

The Importance of Cacao at Ancient Copan (Honduras): Ancestor Trees and Fertility

Dr. Cameron L. McNeil, Queens College of City University of New York

Wednesday, September 17, 7:30 pm

Dr. Cameron McNeil has studied cacao residues and iconography found at the Maya ruins at Copan, Honduras, to elucidate the role of this important ancient food in the ritual life of the polity. She explains where she has found cacao, what types of food it appeared in, and the iconography about it that appears on Copan's monumental structures, stone sculptures and ceramics. This iconography links cacao to fertility, the rebirth of ancestors, the feminine and maize, and McNeil addresses possible reasons for the unique presence of all of these associations in one location.

KV-63: The First Tomb Found in the Valley of the Kings Since Tutankhamun's

Dr. Earl Ertman, University of Akron

Wednesday, October 22, 7:30 pm

Dr. Earl Ertman reviews the events leading to the discovery of KV-63 in the Valley of the Kings (Luxor, Egypt) and the key finds made at the site. He explains how the location's varied artifacts — including coffins, many badly damaged by termites — were treated and removed to nearby KV-10 for storage, conservation and further study. Ertman discusses plans for the resumption of work at this unique location.

Docent Training: The Museum at Your Fingertips

Wednesday evenings and Saturdays, September 10 through November 22

Wednesdays: 6 to 9 pm; Saturdays: noon to 5 pm

Find out more about the Museum and help others discover the fascinating realm of natural history by becoming a docent. Docents are volunteers trained to lead Museum tours for the public and assist the Education Division in providing educational programs. No prior teaching experience or knowledge of natural history is necessary, but a zeal for learning and sharing information with visitors of all ages is a must! Those 18 years and older are encouraged to apply. (NOTE: We'll offer our Junior Docent training for teens in grades 9 to 12 starting January 10, 2009.) Please contact Docent Coordinator Nancy Howell at (216) 231-4600, ext. 3225, or nhowell@cmnh.org for additional information and an application form. **Free with Museum membership.**



Bones, Bugs and Dead Animals

Friday, October 31,
9 pm to 1 am

Don't miss the Nature League's annual Halloween party, featuring a costume contest, live music by Abby Normal & the Detroit Lean, food and an open bar. **Tickets: Nature League members: \$25, nonmembers: \$30; at the door: \$35.**



Save These Dates!

The Wild and Scenic Environmental Film Festival on Tour

Saturday, November 15

Reception: 6 pm; show: 7 to 11 pm

The Wild and Scenic Environmental Film Festival on Tour brings together award-winning environmental films that help raise awareness of the natural world and our role in it, and motivates viewers to make a difference locally and globally. Enjoy a reception with food, beverages and exhibits by local environmental groups beforehand. **Tickets: \$10 members; \$15 nonmembers; \$5 high school students**



Museum Store Programs

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READ! SOAR! EXPLORE!

Wednesday evenings in October
(no program October 15), 4 to 7 pm

Become a Museum book explorer through this program offered by the Museum Store. Join us as we go "Around the World in Five Weeks." Each week we will read a story that takes us to a different part of the world, then we'll try a project that relates to that story or culture. Drop in anytime during the hours indicated. **Free with Museum admission.**

Planet Chat

Join us in the Museum Store for a series of discussions on the first Wednesday of each month about topics in conservation, research and the world around us. **Free with Museum admission.**

September 3:

Ralph Mueller Observatory:

Meet a Museum astronomer and learn about the history and present-day uses of this facility.

October 1:

Student Environmental Congress: SEC Director Dawn Wrench talks about this program that encourages high school students to design a clean, healthy future for our community and the world.

Trout Club Annual Clambake

Wednesday, October 22, 6 pm

Join the Trout Club for its annual fall clambake. The evening's featured speaker will be Otto Beck, president and CEO of wholesale fly supplier Otto Beck Company in Pittsburgh. He'll present the talk "Meeting the Demand for High-Quality Fishing Flies." Contact Karen Menn for reservations: (216) 231-4600, ext. 3278, or kmenn@cmnh.org.

The Natural History of Food Series

Explore the natural history of various foods and experience their culinary versatility at the 2008-2009 Natural History of Food Series. Each of these unforgettable evenings features local experts on food and wine and a fantastic meal served in elegant, relaxed surroundings at the Museum. Please call (216) 231-1177 for reservations. Seating is limited to 100 per evening. **Tickets: Single evening: \$150 per person; all four evenings: \$500 per person**

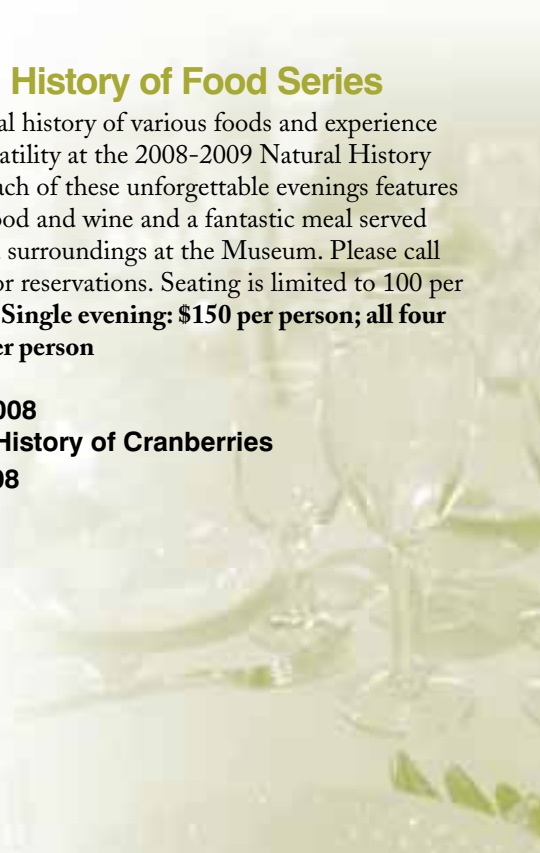
November 8, 2008

The Natural History of Cranberries

February 7, 2008

April 18, 2008

June 20, 2008



A variety of visitor programs for everyone!

Please note that public programs will not be offered in the Shafran Planetarium on September 5.

Shafran Planetarium

Our Solar System: Beyond Belief

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

Earth and its planetary neighbors offer a spectacular gallery of alien landscapes, each tantalizingly familiar, yet at the same time foreign. Journey with us through the solar system on a voyage of breathtaking beauty and surreal majesty.

Children's Program Earth and Worlds Beyond

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

Ever wonder what other planets look like up close? We'll take a trip across the solar system and show you our planetary neighbors in all of their natural splendor. No seat belts required.

Planetarium programs are \$4 per person with Museum admission, and tickets should be reserved in advance.

Members are free. 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.

Call (216) 231-1177 or 800-317-9155, ext. 3279, Monday through Friday to make reservations.

Ralph Mueller Observatory

Wednesdays, 8:30 to 10 pm (weather permitting)

September and October will be our prime viewing months for Jupiter this year. Check out the planet's cloud bands, its four bright moons and maybe get a glimpse of the Great Red Spot.

Live Animal Programs

Saturday and Sunday, 1 pm in the Museum lobby or Murch Auditorium and 3 pm in the Ralph Perkins II Wildlife Center & Woods Garden. Free with Museum admission.

Wildlife in Our Big Backyard

Join us in a celebration of the wild creatures that share everybody's backyards in this part of the world. Along the way, we'll explore the special attributes of Ohio's wildlife and the places that sustain them. Wildlife Resources Center staff and volunteers will introduce visitors to this neighborhood wildlife using live ambassadors from the Museum's animal teaching corps and, depending on the weather, lead tours of the Ralph Perkins II Wildlife Center & Woods Garden.

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. Learn and enjoy. We have concrete activities for tots and "brain buster" puzzles for adults who need a challenge. Need some help pronouncing some of those dino names? Try our dinosaur naming activity with your child. Explore what it means to be a nature artist and draw our step-by-step "creature feature." Discover our new tree display to learn about native trees in your own backyard. Find out about local frogs and figure out what keeps them hopping. Put on a health vest and wear your insides on your outside! Play a birdsong piano, touch real fossils, look at creepy crawlies under a microscope, dig for a dino skull and much more! Please supervise children at all times and save your snacks for The Blue Planet cafe.

Join us for these special programs. Both are free with Museum admission:

- **Archaeology Day in the Discovery Center, Saturday, October 4, 10 am to 4 pm:** Who is an archaeologist? How is archaeology different from paleontology? Learn about how archaeologists make meaning from

their discoveries. Our family-friendly activities will help you understand the science (and fun) of archaeology.

- **Toad Tunes and Raccoon Rhapsodies: Halloween Family Fun, Wednesday, October 29, 3 to 7:30 pm:** Discovery Center Coordinator Beth Gatchell plays and sings songs about nature and science and shares some of the Museum's live animals with you. Drop in between 3 and 5 pm and get ready to learn about bats, spiders, salamanders and all sorts of other animals. Bring your voice or just your listening ears and get ready for a good time! Museum staffer and guest artist Lisa Cheng will be here from 5:30 to 7:30 pm to show you how to make origami animals. All ages welcome. Wear your Halloween costume for more fun!

Natureguide Audio Tour

More than four hours of information about the Museum's permanent exhibits is at your fingertips when you rent the Natureguide Audio Tour on an iPod Nano at the Admissions Desk. This award-winning audio tour now features music composed by Cleveland Institute of Music students. Funded in part by the National Science Foundation. **All units free for members; nonmembers: \$2.**

Harold Terry Clark Library

The Museum's non-lending research library features books and periodicals on science topics. **Open for public use by appointment. Call (216) 231-4600, ext. 3222.**

Museum Hours

Monday through Saturday, 10 am to 5 pm; Wednesday, 10 am to 10 pm (Observatory open 8:30 to 10 pm, weather permitting); Sunday, noon to 5 pm. Museum is closed Labor Day, Monday, September 1. Museum will close at 5 pm on Wednesday, October 15.

Museum Store Hours

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

For visitor information:

Call (216) 231-4600 or 800-317-9155
or visit www.cmnh.org

September

- Wed 3 **Museum Store**, Planet Chat, 5 pm
Kirtland Bird Club, *Grass Wrens of the Australian Desert*, Antonio Salvatori, 7:30 pm
- Fri 5 **Conservation Symposium**, 8 am
- Sat 6 **Photographic Society**, 9 am
Youth Program, Museum Trekkers & Explorers: Weather Wonders, 10 am
Adult Field Trips, Green Building Tour, 9 am; A Moth's Night Out, 8 pm
- Wed 10 **Adult Programs**, Docent Training (Wednesdays and Saturdays thru 11/22 except 10/15, meet 10/16 instead), 6 pm
Guild of Nature Artists, 7 pm
Cleveland Geological Society, *Cement: The Search for Historic Sources in Ohio's Rocks*, Evan Scott and Joe Hannibal, 7:30 pm
- Fri 12 **Adult Field Trip**, Lost Habitats: The Art and Science of Restoration, 10 am
Explorer Series, *Stories from a Changing Planet*, Dr. George Divoky, Dr. David Harwood, Dr. Ralph Harvey and Dr. Christine Foreman, 7:30 pm
- Sat 13 **Adult Field Trips**, The Dirty Dozen: NEO's Worst Invaders, 9 am; Singer's Singers, 5 pm
Kirtlandia Society, *The Wonderful World of Birds of Prey*, Laura Jordan, 9:30 am
Adult Programs, Docent Training (Wednesdays and Saturdays thru 11/22), noon
Family Fun, POLAR-PALOOZA: A Celebration of Polar Research, 11 am
- Mon 15 **Adult Program**, Looking Up: Astronomy at CMNH (Mondays thru 10/6), noon
- Wed 17 **Adult Programs**, Coffee With a Curator Session I (Wednesdays thru 10/8), 10:30 am; The Science of Natural History, 6 pm
Adult Field Trip, Urban Botany Trek: The Flats, noon
Cleveland Archaeological Society, *The Importance of Cacao at Ancient Copan (Honduras): Ancestor Trees and Fertility*, Dr. Cameron L. McNeil, 7:30 pm
- Fri 19 **Adult Field Trip**, Equinox Weekend Adventure, 4 pm (thru 9/21)
- Sat 20 **Youth Programs**, Future Scientists, 9 am; InnerSpace Adventures, 10 am
Adult Field Trip, Downtown Cleveland Rocks: Classic Cleveland Buildings and Their Stones, 10 am
- Mon 22 **Adult Program**, Looking Up: Astronomy at CMNH, noon
- Wed 24 **Adult Programs**, The Science of Natural History, 6 pm
Guild of Nature Artists, 7 pm
- Fri 26 **Adult Field Trip**, Bird Banding on Kelleys Island, 8 am
Preschool Program (Fridays thru 10/10), AWESOME Autumn, Tiny Trekkers, 9:30 am, Young Explorers, 11 am
Explorer Series, *Ecological Design Across the Changing Metropolis*, Joan Iverson Nassauer, 7:30 pm
- Sat 27 **Youth Programs**, Student Naturalists I, 9 am (Saturdays thru 10/18 except 10/11); Future Scientists, 9 am; First Aid for Webelos and Girl Scouts, 10 am
Adult Field Trip, Going With the Flow: Living in Ohio's Small Streams, 9 am
Preschool Program (Saturdays thru 10/11), AWESOME Autumn, Tiny Trekkers, 9:30 am, Young Explorers, 11 am
Micromineral Society, 1 pm
RACE Exhibition Members Opening Reception, 6 pm
- Mon 29 **Adult Program**, Looking Up: Astronomy at CMNH, noon

Be sure to hop on up to
Corning Gallery to see the
exhibition **Toad-ily Frogs**
before it closes on
September 28!

October

- Wed 1 **Museum Store**, READ! SOAR! EXPLORE! (Wednesdays thru 10/29 except 10/15), 4 pm; Planet Chat, 5 pm
Community Conversation Featuring Marian Wright Edelman, 6 pm
Special Archaeology Lecture, *Twenty Years of Archaeological Discoveries in the Hocking River Valley*, Dr. Elliot M. Abrams, 7:30 pm
Kirtland Bird Club, *Chasing Rarities in Gambell and St. Paul*, Dwight Chaser, 7:30 pm
- Fri 3 **Northeast Ohio Environmental Awards**, 7:30 pm
- Sat 4 **Photographic Society**, 9 am
Archaeology Day, 10 am
Adult Field Trip, Orchid Hunt, 10 am
- Sun 5 **Family Fun**, The Nature Team: Bike Ride on the Underground Railroad Bicycle Route, noon
- Mon 6 **Adult Program**, Looking Up: Astronomy at CMNH, noon
- Tue 7 **Town Hall Meeting**, *Inclusion, Equity, Privilege, Leadership and Social Responsibility: Are We Making Progress in the 21st Century?*, 6 pm
- Wed 8 **Guild of Nature Artists**, 7 pm
Audubon Society of Greater Cleveland, *Visions of Africa*, Miles Reed, 7 pm
- Thu 9 **Adult Program**, Stargazing in Autumn Skies (Thursdays thru 10/30), 6:30 pm
- Fri 10 **Urban Professionals Night**, 5:30 pm
- Sat 11 **Youth Program**, Future Scientists, 9 am
Kirtlandia Society, *Dr. Jared Potter Kirtland — Kirtlandia's Namesake*, Mazie M. Adams, 9:30 am
Adult Field Trip, Moss Hunt at the Swamp, 10 am
- Tue 14 **Special Lecture**, Dr. Neil Shubin, 7 pm
- Wed 15 **Adult Programs**, Coffee With a Curator Session II (Wednesdays thru 11/5), 10:30 am
- Thu 16 **Docent Training**, 6 pm
Frontiers of Astronomy, *Chemistry Meets Astronomy*, Dr. Eric Herbst, 8 pm
- Fri 17 **Earth Science Evening**, 5:30 pm
Explorer Series, *Peace and Science in the Middle East*, Dr. Uri S. ten Brink, 7:30 pm
- Sat 18 **Youth Program**, Future Scientists, 9 am
- Mon 20 **Adult Program**, Exploring Race (Mondays thru 11/10), noon
- Wed 22 **Trout Club**, 6 pm
Guild of Nature Artists, 7 pm
Cleveland Archaeological Society, *KV-63: The First Tomb Found in the Valley of the Kings Since Tutankhamun's*, Dr. Earl Ertman, 7:30 pm
- Thu 23 **Town Hall Meeting**, Race, Health and Biology, 6 pm
- Fri 24 **Family Fun**, Creepy Camp-In: Regurgitated, 7 pm (thru 10/25 at 8 am)
- Sat 25 **Youth Programs**, Student Naturalists II, 9 am (Saturdays thru 11/8); Future Scientists, 9 am; Museum Trekkers & Explorers: Colors of Fall, 10 am
Adult Field Trips, Hike at East Harbor, 10 am; Fall Colors at the Sugar Bush, 10 am
Community Health and Wellness Fair, 10 am
Micromineral Society, 1 pm
- Tue 28 **Town Hall Meeting**, *Race and Politics*, 6 pm
- Wed 29 **Smead Discovery Center**, Toad Tunes and Raccoon Rhapsodies: Halloween Family Fun, 3 pm
Special Archaeology Lecture, *Pottery Ethnoarchaeology in Michoacán, Mexico*, Dr. Michael Shott, 7:30 pm
- Fri 31 **Youth Program**, Future Scientists: Halloween Night With Kelleys Island Owls, 4 pm (thru 11/1 at 4 pm)
Nature League Halloween Party, Bones, Bugs and Dead Animals, 9 pm

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Tracks

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Going beyond

Michael Benson has created detailed pictures of planets and moons from around the solar system.

Filmmaker, journalist and photographer Michael Benson searches the archives of NASA and other sources for the best photos of planets, moons and landscapes produced by unmanned space missions. He then digitally enhances the original raw data from each mission to achieve a flawless final product.

Through October 5, the results of his painstaking work are on display in Fawick Gallery in the exhibition *Beyond: Visions of Planetary Landscapes*. These 35 large-scale images, enhanced by educational text about the planets, their moons and the probes themselves, offer a comprehensive look at our solar system.

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