

**Volume 6, No. 9**

**May 14, 2008 - Building a Presence for Science: Ohio eBlast**

**Contents:**

- 1. Gr 6-12: New Science Teacher Academy for Middle and High School Science Teachers**
- 2. Gr 6-12: e-Mentoring Applications for 2008-2009 Now Available**
- 3. Gr 6-8: COSI has 13 open slots for girls to attend this summer day camp.**
- 4. Gr 2-8: Attend the 16th Annual Teachers, Industry, and Environment Conference**
- 5. Gr 3-8: Free Teacher Forestry Tour**
- 6. K-16: Nationally Syndicated TV Talk Show Seeks Teacher for Science Demos**
- 7. K-12: Fall '08 Zoo Expedition application now online**
- 8. K-12: 25th Anniversary of Sally Ride's First Space Shuttle Mission**
- 9. K-12: New NASA Website**
- 10. K-12: Make a human Iceberg at your local science center in Dayton, OH.**
- 11. Gr 9-12: Wanted, High School biology teachers**
- 12. Gr 9-12: Nanotechnology Workshop for High School teachers**
- 13. K-12: Need course credit this summer? Consider an online course from the American Museum of Natural History.**

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**Calendar: Upcoming Events/Opportunities/Deadlines**  
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**1. Gr 6-12: New Science Teacher Academy for Middle and High School Science Teachers**  
<http://www.nsta.org/academy>

Applications are still being accepted to become a "Fellow" in the NSTA New Science Teacher Academy for 2008–09. New science teachers throughout the country who are entering their second or third year of teaching with a schedule that includes at least 51% science teaching time to middle or high school students are encouraged to apply.

Cofounded by the Amgen Foundation, the NSTA New Science Teacher Academy is a fellowship program created to help promote quality science teaching, enhance teacher confidence and classroom excellence, and improve teacher content knowledge. NSTA Fellows chosen for the program which runs from August 2008 through June 2009, will receive a comprehensive NSTA membership package; participation in an e-m!entoring program developed by NSTA, the New Teacher Center at UC–San ta Cruz, and Montana State University; and access to a variety of web-based professional development activities including web seminars. Each NSTA Fellow will receive financial support to attend and participate in NSTA's 2009 National Conference on Science Education in New Orleans, scheduled for mid-March.

Applications must be submitted no later than May 23, 2008, to be considered.

**2. Gr 6-12: e-Mentoring Applications for 2008-2009 Now Available**

To watch a virtual tour, please visit:

<http://emss.nsta.org>

e-Mentoring for Student Success (eMSS) is recruiting 1st – 3rd year middle and high school science teachers to participate in an innovative online mentoring project. Mentees will work online with experienced science educators, research scientists and other new teachers.

**Mentee Benefits:**

- \* Be matched with an experienced science teacher as your personal mentor.
- \* Participate in a content-focused professional learning community.
- \* Access to a vast array of science resources.
- \* Receive verification of professional development participation.
- \* Option to receive academic credit.

**Expectations of eMSS Mentees include:**

- \* Complete eMSS Mentee Online Orientation by September 30, 2008.
- \* Participate on a weekly basis in the eMSS online site.
- \* Work with mentor on the curriculum in the eMSS environment.

To apply, please visit:

<http://newteachercenter.org/emssapp/>

**3. Gr 6-8: COSI has 13 open slots for girls to attend this summer day camp.**

<http://www.cosi.org/visitors/family/camp-COSI/12-14-camps/>

NEW! Science of Video Games | 5-Day Camp

August 4-8, 2008 (9am-4pm)

Learn programming concepts and create a new game to share with family and friends! Includes a field trip to the computer game development lab at the Ohio State University!

\$265 for COSI Members; \$300 for non-members.

Wrap-around care is available for an additional fee.

**4. Gr 2-8: Attend the 16th Annual Teachers, Industry, and Environment Conference**

<http://www.ohiochemistry.org>

[click on the Education link at the top of the home page, and then click on TIE Conference]

The 16th Annual TIE Conference will be held October 8-10, 2008 at the DoubleTree Hotel in Worthington, Ohio, and we need your help in order to continue this worthwhile outreach program. October may be many months away, however, the end of this school year is fast approaching, and it is important to have teacher commitments now so that we can secure company sponsors.

TIE offers teachers the opportunity to participate in an intensive, hands-on, two-day exposure to creative and dramatic approaches to teaching principles of physics, chemistry, and the life sciences. Now in its 16th year, TIE has allowed more than 900 2-8th grade teachers from across Ohio to interact with scientists, engineers, and environmentalists – and to take back to their classrooms exciting practical experiments, demonstrations, and teaching materials/resources to enrich the learning environment for their students.

TIE exists because leading companies in Ohio's high-tech chemistry industry believe that an interest in science must be instilled in children early in their educational journeys. When the interest is sparked, children are more likely to pursue careers in sciences and engineering. And that is critical to the future ability of our state to have the technically-qualified work force needed to support a high-technology economy.

Each year, nearly 60 teachers participate, with each sponsored by a member company of the Ohio Chemistry Technology Council. The sponsorship fee paid by the company pays for transportation (teachers will receive a \$75 stipend at the conclusion of the conference), lodging, meals, registration, and the cost of hiring a substitute teacher, if necessary, while the teacher is at the conference. TIE participants will also receive a Hands-On Activity Guide on a USB that includes all workshops presented so that teachers can duplicate in the classroom, an Internet Site Guide, and several CD-ROMs including Protecting Your Environment, Science Enhancement for Science Advancement (SESA), and Explore Science.

For more information about TIE, please contact:

Christina Materni, Executive Vice President

Ohio Chemistry Technology Council

88 E. Broad St., Suite 1490

Columbus OH 43215

Phone 614-224-1730

Fax 614-224-5168

[cmaterni@ohiochemistry.org](mailto:cmaterni@ohiochemistry.org)

### **5. Gr 3-8: Free Teacher Forestry Tour**

<http://www.forestinfo.org/Teachers/teachers.htm>

Each summer the Temperate Forest Foundation organizes intensive three-day woods and mill tours for 3rd-8th grade science teachers in various regions throughout North America. Teachers are sponsored by a local business, which pays for registration (\$700) and travel expenses.

Teacher Forestry Tours run from a Wednesday afternoon through a Saturday morning, and include a Thursday and Friday full of woods and mill visits. This year's Great Lakes States Region Tour is in Escanaba, Michigan from July 16 – 19. If you are a teacher interested in participating on this tour, please visit the URL, or contact Lisa Leonard at [leonard@forestinfo.org](mailto:leonard@forestinfo.org)

### **6. K-12: Nationally Syndicated TV Talk Show Seeks Teacher for Science Demos**

Jimmy Kimmel Live is looking for someone who is passionate and knowledgeable about science, who would feel comfortable taking Jimmy through multiple unusual and entertaining science experiments for a new segment that they're hoping to have on Jimmy Kimmel Live. Ideally, if they find the right personality for the segment, they would like to make this a recurring bit.

Anyone who is interested is welcome to submit a brief video introducing himself/herself, sharing some background information, mentioning a few potential experiments, and explaining why he/she would be a good candidate for this segment. The video should be no longer than 5 minutes and can be submitted via e-mail at [ftsjkl@gmail.com](mailto:ftsjkl@gmail.com) or mailed directly to the address below.

Deadline for submission: June 2, 2008.

Tara Varilek, Jimmy Kimmel Live, 6834 Hollywood Blvd. 6th Floor, Hollywood, CA 90028

### **7. K-12: Fall '08 Zoo Expedition application now online**

<http://www.EarthExpeditions.org>

Earth Expeditions is accepting applications now for its tuition-free Fall 2008 graduate courses, which merge the academic expertise of Miami University's Project Dragonfly with the world-class wildlife conservation of the Cincinnati Zoo & Botanical Garden.

Earth Expeditions will accept educators to its Zoo Expeditions courses on a first-come, first-served basis.

In addition to traditional teachers and administrators, all informal educators and naturalists from non-school settings are eligible to apply. Since its start in 2003, more than 320 tri-state educators have enrolled in Zoo Expeditions graduate courses, investigating the Zoo's wealth of plant and animal life in classes exploring:

- Plants & People;
- Habitats, Adaptation, & Evolution; and
- Primate Behavior & Conservation.

Taught by Cincinnati Zoo and Miami University instructors, each three-hour graduate course is designed to fit the needs of working educators, occurring at the Zoo on four Fall Saturdays and on the web throughout the semester.

Miami waives all tuition for accepted applicants totaling \$1,300 for Ohio residents and \$2,950 for residents outside the state.

Please apply or let colleagues know about this opportunity. If you have questions, please contact Program Assistant Connie Malone at [malonecm@muohio.edu](mailto:malonecm@muohio.edu) or (513) 529-5103

Submitted by Project Dragonfly, Miami University, Oxford, OH 45056.  
[earthexpeditions@muohio.edu](mailto:earthexpeditions@muohio.edu)

### **8. K-12: 25th Anniversary of Sally Ride's First Space Shuttle Mission**

<http://www.sallyridescience.com/conferences>

You are invited to celebrate the 25th anniversary of Sally Ride's first space shuttle mission at a summer Educator Conference. The conference, presented by Sally Ride Science, NSTA, and

NOAA, will provide educators an opportunity to learn more about Earth's changing climate and hear from Sally about how Earth has changed in the 25 years since her first flight. The cost of the conference is \$60.

Earth Then, Earth Now: Our Changing Climate  
 July 23 – 24  
 NOAA Science Center  
 Silver Spring, MD

### **9. K-12: New NASA Website**

<http://nasascience.nasa.gov>

NASA's Science Mission Directorate has launched a new Web site that provides enhanced and engaging information about NASA's vast scope of scientific endeavors and achievements. The site will provide in-depth coverage of NASA's past, present and future science missions with features that include:

- + Expanded "For Educators" and "For Kids" pages to provide access to a broader range of resources for learning the science behind NASA missions.
- + Interactive tables and searches for Earth, heliophysics, planetary and astrophysics missions.
- + Insight into dark matter and dark energy, planets around other stars, climate change, Mars and space weather.
- + Resources for researchers including links to upcoming science solicitations and opportunities.
- + A mapping of science questions for NASA science missions and the data they produce.
- + A citizen-scientist page with access to resources that equip the public to engage! e in scientific investigation.
- + Easy-to-navigate design and an improved search engine to help find information.

### **10. K-12: Make a human Iceberg at your local science center in Dayton, OH.**

<http://www.astc.org/iglo/>

The Association of Science Technology Centers (ASTC) is currently running a program on climate change called IGLO (International action on GLObal warming).

The next major event, called the Albedo Experiment will take place this month, from May 15-24 and was created through a partnership between NASA and IGLO. Science centers all over the world are hosting students who will create large spots out of available white material, mimicking the polar ice caps. The goal of this project is to teach students the importance of the albedo effect, the phenomenon by which Earth's climate is regulated through the reflection of the sun's rays by the polar ice caps. NASA satellites will fly overhead, measure the reflectivity of these student-created mock "ice caps", and photograph them.

Four science centers in the United States will participate in this event, and we are looking to increase student participation at their sites so that the biggest possible spots can be created. The larger these mock "ice caps" are, the more visible from space they will be. As Sheldon Schafer, Lakeview Museum of Arts & Sciences, in Peoria, Illinois, put it, "It'll be a great chance for

everyone to get out his/her summer whites and break the rule [of summer whites only between Memorial and Labor Day]. Bring your bedsheets, white towels, bridal gowns, white hats, etc. and help make a human iceberg.”

If you want to be part of this exciting event, you can still help create one of these spots for the Albedo Experiment. Satellite overpass times and institution addresses have been listed. The day's programs for each site will vary as will the location, as the spots will not necessarily be built at the actual science centers. For actual event details, please contact the institutions directly:

Ohio site: Boonshoft Museum of Discovery.  
2600 DeWeese Parkway, Dayton, Ohio 45414

<http://www.boonshoftmuseum.org>

May 20, 2008

Time: 12:07PM and 12:34PM (local time)

SunWatch Indian Village/Archaeological Park 2301 West River Road Dayton, OH 45418

Contact: Robyn Sweet, 937-275-7431 ext 154, [rsweet@boonshoftmuseum.org](mailto:rsweet@boonshoftmuseum.org)

Other sites:

Discovery Science & Outdoor Center, Ocala, Florida

Science Museum of Virginia, Richmond, Virginia

Lakeview Museum of Arts & Sciences, Peoria, Illinois

### **11. Gr 9-12: Wanted, High School biology teachers**

The Education Development Center's Center for Children & Technology is working in partnership with PBS TeacherLine New York and the Buffalo PBS affiliate WNED to conduct this National Science Foundation funded study to learn more about what teachers gain from online professional development and whether it impacts student learning.

They are looking for high school biology teachers with knowledge of genetics and evolution to pilot an assessment.

Interested teachers will:

- \* Receive the assessment electronically
- \* Complete the 60-75 minute assessment which includes content and pedagogy items as well as questions about a lesson plan
- \* Electronically submit the assessment along with the lesson plan
- \* Receive \$50 as compensation

If you are interested, please contact Kristen Griffiths at [KGriffiths@edc.org](mailto:KGriffiths@edc.org) or 212-807-4267.

### **12. Gr 9-12: Nanotechnology Workshop for High School teachers**

<http://projectgro.osu.edu/NanotechTeacherWorkshop.pdf>

The workshop is sponsored by the Nanoscale Science and Engineering Center at The Ohio State University and the National Science Foundation

When: June 10, 2008

Who: High school science teachers

What: An 8 a.m. to 4:30 p.m. hands-on workshop with experiments and a tour of our facilities. You will also receive a kit containing everything you need to do the experiments with your students. (Approximate value, \$100)

Cost: Free

Travel & Housing: Limited funds are available to support teachers from outside the Columbus area.

Application Deadline: May 15, 2008

Online application:

Participants: The workshop will accommodate a maximum of 40 teachers. A certificate of completion for contact hours will be provided.

Questions?. Contact Prem at 614-292-5120 or [kumar@nsec.ohio-state.edu](mailto:kumar@nsec.ohio-state.edu)

Please send completed applications to Prem at [kumar@nsec.ohio-state.edu](mailto:kumar@nsec.ohio-state.edu), fax to 614-292-8685 or mail to 174 W. 18th Ave., 1004 Smith Lab, Columbus, OH 43210 by May 15, 2008.

**13. K-12: Need course credit this summer? Consider an online course from the American Museum of Natural History.**

<http://learn.amnh.org>

Seminars on Science offers award-winning online graduate courses in the life, earth, and physical sciences. Designed for K-12 educators, each six-week course is led by an experienced classroom teacher and a research scientist. In-depth readings and assignments paired with rich web-based discussions assure that educators come away from each class with a deeper understanding of both the science and the tools of scientific inquiry.

Courses may meet your local professional development needs, including degree, certification, NCLB and salary gradation requirements. Check out the Seminars on Science website for complete information, including free sample resources—essays, videos, and interactives—from all of our online courses.

All ten courses are available this summer including: The Solar System; Evolution; Earth: Inside and Out; The Ocean System; Genetics, Genomics, Genethics; and Space, Time and Motion. Free sample resources are available for each course on the Seminars website.

Summer sessions run June 9 – July 20 AND June 30 – August 10. Register early for a \$50 discount. For more information, go to [learn.amnh.org](http://learn.amnh.org) or call direct at 800-649-6715.

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**Calendar: Upcoming Events/Opportunities/Deadlines**

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May 15, 2008: Deadline to apply for Discovery Education Live Green Teacher Grants  
<http://discoveryeducation.com/livegreen>

May 15, 2008: Deadline to apply for the **Nanotechnology Workshop for High School teachers**  
<http://projectgro.osu.edu/NanotechTeacherWorkshop.pdf>

May 16, 2008: Deadline to apply for the Science Enhancement Program at Wright State  
<http://www.wright.edu/excel/>

May 20, 2008: Boonshoft Museum of Discovery Make an Iceberg event  
<http://www.astc.org/iglo/> and <http://www.boonshoftmuseum.org>

May 23, 2008: Deadline to apply for the 2008–2009 NSTA New Science Teacher Academy  
<http://www.nsta.org/academy>

May 23, 2008: Deadline to apply for e-Mentoring (experienced and new teachers)  
<http://emss.nsta.org>

May 30, 2008: Deadline to apply for the WeEXCEL Academy  
<http://www.wright.edu/excel/>

May 31, 2008: Deadline to apply for the Grants and Scholarships for Chemistry Teachers  
<http://www.hachscientificfoundation.org/outreach.shtml>

May 31, 2008: Deadline to apply Penn State Science Workshops for Educators  
<http://teachscience.psu.edu>

June 1, 2008: Deadline for Ohio Environmental Science & Engineering Scholarship applications  
<http://www.ohiosci.org/ScholarshipApplication.pdf>

June 2, 2008: Deadline to submit your Jimmy Kimmel Live video entry to:  
Tara Varilek, Jimmy Kimmel Live, 6834 Hollywood Blvd. 6th Floor, Hollywood, CA 90028

June 10-14, 2008: Central Regional Meeting of the American Chemical Society  
<http://www.cermacs2008.org>

June 16 – 17, 2008: Ohio Literacy Institute in Columbus  
<http://www.ohiorc.org/oli>

July 1, 2008: Applications for the next group of Astronauts are due  
<http://www.nasa.gov/astronauts/recruit.html>

July 7-11, 2008: WestEd's Reading Apprenticeship Science Institute in Oakland, CA

<http://www.wested.org/sli>

July 14-15, 2008: Digital StarLab Workshop  
contact [rvarian@starlab.com](mailto:rvarian@starlab.com)

July 23-24, 2008: Sally Ride's Earth Then, Earth Now: Our Changing Climate conference  
<http://www.sallyridescience.com/conferences>

July 27-Aug 1, 2008: INSPIRE Summer Academy  
<https://engineering.purdue.edu/INSPIRE>

October 8-10, 2008: the 16th Annual Teachers, Industry, and Environment Conference  
<http://www.ohiochemistry.org>

October 15-18, 2008: NAAEE's 37th Annual Conference: EE on the prairie  
<http://www.naaee.org>

October 31, 2008: Deadline to apply for The Mickelson ExxonMobil Teachers Academy  
<http://www.sendmyteacher.com>

February 12, 2009: Charles Darwin Bicentennial Day. For more information, please visit:  
<http://darwinday.org/englishL/assistevent/index.html>

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[Lightbody.1@osu.edu](mailto:Lightbody.1@osu.edu)