

## **Section 2**

### **Earth Science Week 2005 Highlights**

<b><u>News Releases</u></b>	<b><u>Page</u></b>
USGS: Earth Science Week Message	2-3
AGI Press Release: AGI Announces Earth Science Week Theme and New National Contests for 2005	2-4
AGI Press Release: Earth Science Week 2005: Free Kit, New Resources, Emerging Trends	2-5
AGI Press Release: AGI Announces Winners of Earth Science Week 2005 Contests	2-6
NASA Education News: Earth Science Week is Oct. 9-15	2-7
NASA Langley News: NASA and Globe: Observing the Sky for Science	2-8
NASA Goddard News: It's Always Earth Science Week at NASA Goddard	2-10
NASA Looking At Earth: Observing the Sky for Science: NASA and GLOBE Host Contrail Count-a-thon	2-11
NASA Education News: 2005 Contrail Count-a-thon	2-12
Washington State Department of Natural Resources Press Release	2-13
National Parks Service: Earth Science Week in the National Parks	2-14
NOAA, Office of Education and Sustainable Development: Earth Science Week Release	2-15
USA Today Education: Earth Science Week Release	2-16
GSA Education: Earth Science Week Release	2-18
SpaceRef News: NASA and GLOBE: Observing the Sky for Science	2-19
DLESE News and Opportunities: Earth Science Week Listing	2-21
NSDL Resources: Earth Science Week Listing	2-22
Geology.com: Geology and Earth Science Highlights	2-23
AIPG Earth Science Week News Release	2-24
Florida Geological Survey: Earth Science Week News Release	2-28
Kentucky Geological Survey News and Announcements: Earth Science Week	2-29
Maryland Geological Survey: Maryland Geological Survey (MGS) and Earth Science Week 2005	2-31
Fresno State News: Earth Science Week News Release	2-33
Crerar Library News: Earth Science Week News Release	2-33
Kansas City InfoZine: Governor Blunt Proclaims Earth Science Week Oct. 9-15	2-34
Point Reyes National Seashore: Congresswoman Lynn Woolsey Speaks in Behalf of Earth Science Week	2-35
University of New Hampshire Library News: Earth Science Week at the Library	2-36
University of Wisconsin, Fox Valley: Weis Earth Science Museum Celebrates 'Earth Science Week'	2-37
Washington State Inside DNR News: Geology's Gift Baskets Rock!	2-38
Washington State DNR Division of Geology and Earth Resources: Earth Science Week 2005 October 9-15	2-38

Washington Reads: Selections from the State Librarian, “Geology of Washington State”	2-39
Washington DNR, DGER News and Events: Earth Science Week 2005 October 9-15	2-40
Washington Science Teachers Association: Earth Science Sites of the Week	2-42

<b><u>Activity Flyers</u></b>	<b><u>Page</u></b>
Petrified Forest National Park, AZ	2-43
Rocky Mountain Dinosaur Resource Center, Woodland Park, CO	2-48
St. Paris Public Library, St. Paris, OH	2-49
Santa Barbara Museum of Natural History, Santa Barbara, CA	2-50
University of Hawaii School of Ocean and Earth Science and Technology, HA	2-51
University of Connecticut, CT	2-53
University of Texas, El Paso, TX	2-54
Utah Geological Survey, UT	2-58

<b><u>Email Newsletters</u></b>	<b><u>Page</u></b>
<i>Association of Women Geoscientists – March 2005</i>	3-61
<i>Association of Women Geoscientists – September 2005</i>	3-62
<i>NASA Science Mission Directorate – Earth Science Education Update – March 2005</i>	3-63
<i>NASA Science Mission Directorate – Earth Science Education Update – June 2005</i>	3-64
<i>NASA Science Mission Directorate – Earth Science Education Update – August 2005</i>	3-65
<i>NASA Science Mission Directorate – Earth Science Education Update – September 2005</i>	3-66
<i>Triangle Coalition Electronic Bulletin – Sep. 29, 2005</i>	3-67
<i>Triangle Coalition Electronic Bulletin – Dec. 1, 2005</i>	3-68

## USGS Earth Science Week Message

USGS Acting Director, Pat Leahy



**USGS Home**  
**Contact USGS**  
**Search USGS**

### U.S. Geological Survey

[About USGS](#) / [Science Topics](#) / [Maps, Products & Publications](#) / [Partnerships](#) / [Education](#) / [Newsroom](#) / [Jobs](#)

## Geoscientists Explore our Earth



### Earth Science Week Message

P. Patrick Leahy  
Acting USGS Director

This past year, we have poignantly, and all too painfully, seen the devastating power of the Earth: from landslides, earthquakes, and volcanic activity in the West, to hurricanes in the East, to a devastating tsunami and other events around the world. More Americans are at risk from natural hazards than at any other time in our history, and understanding the Earth and its interrelated processes has never been more critical.

As we question the availability of oil, water, and other natural commodities, understanding our natural resources, our ground-water and other earth systems, and the sustainability of our environment has also become increasingly important.

[ESW Home](#)

[Director's Message](#)

[USGS Activities In Your State](#)

[The USGS and Science Education](#)

[Presidential Proclamation](#)

October 9-15, 2005, is Earth Science Week. Join us as we celebrate the contributions geoscientists make to our economy, our environment, and the health and safety of communities around world. This week, we want to display the importance of studying the geosciences and the many career opportunities available to those who do. The theme for this year is "Geoscientists Explore our Earth," and we hope you will see not only the value earth science gives to society, but also the thrills of exploration and discovery enjoyed by geoscientists.

By instilling unique problem-solving skills and teaching how the Earth system influences human activity, earth science provides a strong background for many career paths. Earth scientists work for a wide range of organizations, including resource companies, environmental firms, and engineering and construction companies. They work in local, State, and Federal government agencies and teach in our schools, colleges, and universities. Knowledge of earth science builds a critical foundation for work in other fields as well. Nearly half of those graduating with earth science degrees establish careers in fields as varied as law, systems analysis, financial management, environmental health, public service, telecommunications, and the insurance industry. As we strive to meet the increasing needs and challenges of the future, we must strive to make earth science education a priority at all levels of society.

For more information, visit the [USGS Earth Science Week Web page](#) the [American Geological Institute](#) and the [Earth Science Week Web site](#)

See how the USGS has contributed to the [Katrina](#) and [Rita](#) Hurricane responses.

For more information, contact [Robert Ridky](#)

## **AGI Announces Earth Science Week Theme and New National Contests for 2005**

The American Geological Institute (AGI) announces the theme for Earth Science Week 2005: "Geoscientists Explore the Earth." Focusing on the wide variety of **careers available in the geosciences and the contributions geoscientists make to society**, this theme will raise awareness among students and the public of the exciting opportunities to work in the field. Earth Science Week takes place October 9-15, 2005.

Earth Science Week 2005 will mark the eighth year that AGI has sponsored this international event as a service to the public and the geoscience community. Each year, local geoscience organizations, classrooms and interested individuals organize events to commemorate Earth Science Week. The week was developed to give students and citizens new opportunities to discover the Earth sciences and stewardship of the Earth, as well as highlight the important contributions Earth and environmental sciences make to society. Earth Science Week is supported by the U.S. Geological Survey. To learn more about this event, visit [www.earthsciweek.org](http://www.earthsciweek.org).

In the United States, special events for Earth Science Week will include **three national contests**, hosted by AGI. The contests encourage students and the public to become involved in Earth Science Week by submitting artwork, an essay or a photograph. Entries must be received by October 1, 2005. A grand prize winner in each category will win \$300 and a one-year subscription to *Geotimes*, AGI's monthly newsmagazine for the Earth sciences.

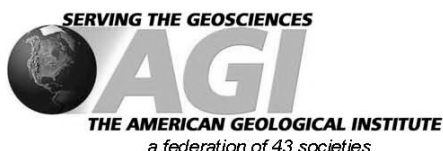
- **Visual Arts:** Students in grades K-5 are eligible to compete in the Visual Arts Contest. They should make a drawing, collage or other 2-dimensional piece of artwork that illustrates the theme "Earth Jobs." Students should depict themselves as geoscientists, engaged in a career they might like to have in the Earth sciences. The artwork should also show some of the scientific tools that would be used in the chosen career. Submissions should be flat and no larger than 24 x 36 inches.
- **Essay:** Students in grades 5-8 are encouraged to compete in the Essay Contest. Submissions should answer the question: "What kind of geoscientist would you like to be, and why?" Essays should be fewer than 500 words in length and should be based on student research about a particular career in the Earth sciences. Students might imagine themselves as geoscientists, explaining the reasons they are interested in their chosen careers. For ideas about the types of careers available, visit [www.earthsciweek.org/careers](http://www.earthsciweek.org/careers).
- **Photography:** The Photography Contest is open to the general public. Submissions should illustrate the theme "Extreme Earth Science" by showing an exciting Earth science subject or geoscientists in an amazing location or situation. Examples might include (but are not limited to) geology field trips to exotic locations, unique geological samples, or photos that capture the breathtaking beauty of the Earth. The goal is to create pictorial evidence of why Earth science is an exciting field to study. Photographs of children under age 18 must be accompanied by a parental consent form that can be found on [www.earthsciweek.org/contests](http://www.earthsciweek.org/contests). Submissions can include print or digital photographs.

More information on the Earth Science Week contests, including rules and submission guidelines, can be found at <http://www.earthsciweek.org/contests>.

The American Geological Institute is a nonprofit federation of 43 scientific and professional associations that represents more than 120,000 geologists, geophysicists, and other Earth scientists. Founded in 1948, AGI provides information services to geoscientists, serves as a voice of shared interest in the profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of the resources and interaction with the environment. More information about AGI can be found at <http://www.agiweb.org/>. The Institute also provides a public outreach site at <http://www.earthscienceworld.org/>.



**AGI Press Release**  
Alexandria, Virginia



4220 King Street  
Alexandria, VA 22302-1502  
703-379-2480; Fax: 703-379-7563  
[www.agiweb.org](http://www.agiweb.org)

FOR IMMEDIATE RELEASE  
September 8, 2005

Contact: Cindy Martinez  
Email: [cmm@agiweb.org](mailto:cmm@agiweb.org)

**Earth Science Week 2005:  
Free Kit, New Resources, Emerging Trends**

ALEXANDRIA, VA — To celebrate Earth Science Week 2005 (October 9-15), the American Geological Institute (AGI) is providing dozens of free, new educational resources to boost awareness about the geosciences and the many exciting career opportunities in the field.

Educators, parents, and interested citizens are invited to order a free **Earth Science Week Kit** (plus \$4.95 shipping and handling), which includes posters, DVDs, CD-ROMs, maps, flyers, contest details, fun learning activities linked to the National Science Education Standards, information tailored for Spanish-speaking audiences, and much more. Order online at [www.earthsciweek.org](http://www.earthsciweek.org).

Also part of the kit is the *Earth Science Week 2005-06 School-Year Calendar*. This new resource features full-color photos, detailed learning activities, science event listings, famous dates in earth science history, and information on earth science careers. The calendar is just one of the many print and electronic resources offered by AGI.

During Earth Science Week, your community can explore how the Earth's systems interact with your local natural and human environment. Such activities include sampling groundwater, monitoring the weather, visiting science centers, and conducting experiments in classrooms. The ability to make scientifically-informed decisions is vital to a healthy and productive environment and economy. Earth Science Week participation helps build science knowledge and skills at home, school, and the office.

The theme of Earth Science Week 2005 — "Geoscientists Explore the Earth" — focuses on career opportunities in the geosciences. The trend toward increasing demand for earth science professionals in the next decade is led by the Baby Boomers' escalating retirements and new opportunities in energy and mineral resources and environmental stewardship.

AGI established Earth Science Week in 1998 to promote public awareness of the earth sciences and stewardship of the Earth. Last year, the Earth Science Week celebration included more than 1.7 million people worldwide — and this year's event promises to reach even more. Resources and events are sponsored by the U.S. Geological Survey, the American Association of Petroleum Geologists Foundation, and the National Park Service, with additional support from NASA, NOAA, and many more organizations. To learn more, visit [www.earthsciweek.org](http://www.earthsciweek.org).

###

The American Geological Institute is a nonprofit federation of 43 scientific and professional associations that represent more than 120,000 geologists, geophysicists, and other earth scientists. Founded in 1948, AGI provides information services to geoscientists, serves as a voice of shared interests in our profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of resources and interaction with the environment. More information about AGI can be found at <http://www.agiweb.org>.

**AGI Press Release**  
Alexandria, Virginia



4220 King Street  
Alexandria, VA 22302-1502  
703-379-2480;  
Fax: 703-379-7563  
[www.agiweb.org](http://www.agiweb.org)

FOR IMMEDIATE RELEASE  
November 21, 2005

Contact: Cindy Martinez  
Email: [cmm@agiweb.org](mailto:cmm@agiweb.org)

**AGI Announces Winners of  
Earth Science Week 2005 Contests**

Alexandria, VA - The American Geological Institute (AGI) is proud to announce the 2005 Earth Science Week contest winners. The contests encourage the public to participate in this annual celebration, which recognizes the importance of the earth sciences in our lives. Selecting from among more than 500 entries, AGI is pleased to name the three winners:

**Brandy Anglen**, of Fresno, California, won the Photography Contest with her photo of scientists testing water for sulfur isotopes on Lake Hoare in the McMurdo Dry Valleys of Antarctica. Entrants of all ages were invited to submit print or digital photos illustrating the theme "Extreme Earth Science" by showing an exciting earth science subject or geoscientists in interesting locations. Anglen's photo will be featured in the Earth Science Week 2005 Web page.

**James Pugh**, of Elgin, South Carolina, won the Visual Art Contest with his work entitled "Volcanologists: It's a Hot Job." Students in grades K-5 were invited to make a drawing, collage, or other 2-dimensional artwork illustrating the theme "Earth Jobs" and showing scientific tools used in the selected career.

**Robert Kendle**, of Phoenix, Arizona, won the Essay Contest with "The Big Dream." Kendle's essay described his love of paleontology and the career he hopes to pursue in this field. Students in grades 5-9 were asked to submit essays of up to 500 words answering the question: "What kind of geoscientist would you like to be, and why?"

All submissions were judged by a panel of geoscientists on creativity, incorporation of the topic, and other relevant factors. Each winner receives \$300 cash. Winning entries and other finalists are posted on the Earth Science Week Web site at [www.earthsciweek.org](http://www.earthsciweek.org).

The contests represent an important part of Earth Science Week, which took place October 9-15, 2005. With active participation in all 50 states and around the world, Earth Science Week provides a focal point for the Earth science community's outreach to the public. The celebration was officially proclaimed by more than 20 state governors and was recognized by President George W. Bush. The theme for Earth Science Week 2005, "Geoscientists Explore the Earth," shone a spotlight on the many exciting and rewarding career opportunities available in the geosciences.


AGI, in collaboration with its member societies and Earth Science Week sponsors, is now preparing for Earth Science Week 2006. To learn how you can participate, visit the Earth Science Week Web site, [www.earthsciweek.org](http://www.earthsciweek.org), or contact Cindy Martinez, Earth Science Week Manager, at (703) 379-2480 x227 or [cmm@agiweb.org](mailto:cmm@agiweb.org).

###

The American Geological Institute is a nonprofit federation of 44 scientific and professional associations that represent more than 120,000 geologists, geophysicists, and other earth scientists. Founded in 1948, AGI provides information services to geoscientists, serves as a voice of shared interests in our profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of resources and interaction with the environment. More information about AGI can be found at <http://www.agiweb.org>.

# NASA Earth Science Week Release

## NASA Education, Features and News


**National Aeronautics  
and Space Administration**

[+ Text Only Site](#)  
[+ Non-Flash Version](#)  
[+ Contact NASA](#)

**FIND IT @ NASA**  
 **+ GO**

[+ CLASSROOM SUBJECTS](#)
[+ EDUCATIONAL MATERIALS](#)
[+ ACT NOW](#)
[+ EDUCATION TV SCHEDULE](#)
[+ EXPRESS MAILING LIST](#)

[+ NASA Home](#)  
[+ NASA Education Home](#)


**For Educators**  
 (Informal Educators)

[- FEATURES AND NEWS](#)  
[+ CONTACTS FOR EDUCATORS](#)  
[+ INTERNET RESOURCES](#)  
[+ LEARNING RESOURCES](#)  
[+ MULTIMEDIA RESOURCES](#)

**Choose another category:**  
[+ For Educators K-4](#)  
[+ For Educators 5-8](#)  
[+ For Educators 9-12](#)  
[+ For Educators Post Secondary](#)

**EDUCATOR FEATURES**  
**Earth Science Week Is Oct. 9-15** 10.29.05

Image to right: Help NASA celebrate Earth Science Week.



Hurricane Katrina has had a lot of people busy at work. As the storm approached the Gulf Coast, meteorologists tracked and forecasted its every move. During the storm, hydrologists calculated the impact of flooding rains. And now that the storm has passed, geologists are studying how best to rebuild New Orleans and other cities so they are better protected from future natural disasters.

All of these people are geoscientists -- scientists who study the Earth and its many processes -- and it is their jobs and others that are the focus of this year's Earth Science Week theme, "Geoscientists Explore the Earth."

What kind of geoscientist would you be? How about an oceanographer, a paleontologist or a volcanologist? What would you do and what kinds of tools would you use? Earth Science Week is the perfect time to think about these questions.

NASA has contributed the following items to an educational kit designed to help teachers engage students in Earth science before, during and after this special week:

- Earth Explorers Poster**  
 Who are NASA Earth Explorers? The scientist drilling Antarctic ice cores to understand Earth's climate history, the teacher explaining how different parts of the Earth system are connected and the citizen-scientist investigating how the sun's variability impacts life on Earth all use NASA Earth science imagery, data and knowledge to satisfy their curiosity about the Earth system.  
  
 The poster, with a color front and black-and-white back, features excerpts and pictures from the Earth Explorers series. Earth Explorers is a monthly series of articles on the NASA Web site featuring explorers of all ages with a variety of backgrounds and interests. Tips for using the series in the classroom are also included.
- Earth Systems Connections CD**  
 Earth Systems Connections is a collection of math, science and technology activities for students in grades K-5. There are 10 learning modules, each containing several lessons aimed at helping students recognize the interconnected nature of the Earth system and appreciate the technology used to study our changing planet.  
  
 The star of Earth Systems Connections is Pixel the Satellite, an Earth-orbiting cartoon character featured in animations that complement the lessons. Each lesson is correlated with national science and math standards and contains an overview, a list of materials needed, a detailed explanation of procedure and suggested assessment activities.
- Contrail Education Pamphlet**  
 Contrails are the streaky clouds created from airplane exhaust. As air travel increases between 3 and 5 percent every year, contrails play an increasingly significant role in global climate.  
  
 This eight-page, black-and-white pamphlet explains how contrails form and why scientists are interested in them. It also includes contrail and cloud identification charts from NASA's GLOBE and S'COOL programs, biographies of NASA scientists, a word-find puzzle and a listing of Web resources.

Earth Science Week is presented annually by the American Geological Institute to help the public gain a better understanding and appreciation for the Earth sciences and to encourage stewardship of the Earth. For more information, and to order an educator kit, please visit the [Earth Science Week Web site](#).

**Related Resources:**  
[Earth Explorers Series](#)  
[+ View site](#)

[Earth Systems Connections](#)  
[+ View site](#)

[GLOBE Contrail Education](#)  
[+ View site](#)

[S'COOL Cloud Identification Chart](#)  
[+ View site](#)

12/19/2005 11

Dan Stillman, Institute for Global Environmental Strategies



[+ Freedom of Information Act](#)  
[+ Budgets, Strategic Plans and Accountability Reports](#)  
[+ The President's Management Agenda](#)  
[+ NASA Privacy Statement, Disclaimer, and Accessibility Certification](#)  
[+ Inspector General Hotline](#)  
[+ Equal Employment Opportunity Data Posted Pursuant to the No Fear Act](#)  
[+ Information-Dissemination Priorities and Inventories](#)



Editor: Shelley Carrington  
 NASA Official: Brian Dunbar  
 Last Updated: October 27, 2005  
[+ Contact NASA](#)

# NASA Earth Science Week and Contrail Count Release

## NASA Langley News



National Aeronautics  
and Space Administration

+ Text Only Site  
+ Non-Flash Version  
+ Contact Langley

FIND IT @ NASA

+ GO



+ NASA Home  
+ LARC Home

**Langley Research  
Center**

+ CENTER HOME

+ ABOUT LANGLEY

**LANGLEY NEWS**

+ MULTIMEDIA

+ LANGLEY EVENTS

+ EDUCATION

+ DOING BUSINESS WITH US

+ LANGLEY RESEARCH

+ REPORTS

+ AERONAUTICS

+ EXPLORATION

+ SCIENCE

SEARCH

+ GO

### NASA and GLOBE: Observing the Sky for Science

10.12.05

NASA and GLOBE, an international student Earth science program, invite the public to join in a scientific experiment on Oct. 13. It's simple: observe the sky over your area and report on the presence or absence of contrails.



Image Left: The Contrail Education program at NASA Langley Research Center works to educate students around the world about atmospheric science research and teach fundamental science concepts. The program is led by Lin Chambers of the Science Directorate, in collaboration with other NASA scientists and professionals, as well as with the National Science Foundation and the GLOBE program.

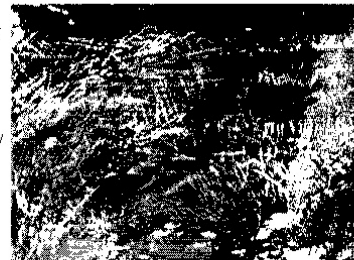
Teachers, students and anyone interested in helping to develop a better understanding of the Earth are welcome to participate in the second annual Fall Contrail Count-a-Thon by submitting contrail observations through an Internet Data Entry Form. Designed to give students and adults an opportunity to collaborate with scientists in a hands-on, real-world science experiment, the Count-a-Thon will also teach participants about contrails, a unique feature of our atmosphere.

Contrails are cirrus clouds formed when water vapor condenses and freezes around small particles (aerosols) in aircraft exhaust. Some of the water vapor comes from the surrounding air; some from the aircraft exhaust itself. Contrails, especially thin ones, are very hard to see from satellites and may have an impact on Earth's atmosphere.

"To augment what we can see from satellite, we hope to receive visual observation reports from lots of people all over the world. Both reports of contrails and reports with no contrails are equally valuable for this research," said Lin Chambers, director of the GLOBE contrail education project at Langley Research Center.

Contrails increase Earth's cloudiness while impacting the atmosphere and climate. Observations in the U.S. and around the globe may help scientists better understand the atmospheric conditions that enable the formation of contrails.

Image Right: This image, from January 29, 2004, shows contrails over the southeastern US as seen by the Terra spacecraft. Image courtesy of Louis Nguyen.



Similar to last year's event, the 2005 Fall Contrail Count-a-Thon will be held during Earth Science Week, Oct. 9 -15. Earth Science Week, sponsored by the American Geological Institute, Alexandria, Va., is an international event to help the public gain a better understanding and appreciation for Earth sciences and to encourage stewardship of our planet.

"We thought spotting contrails would be a fun and educational activity that could include more schools and the general public since no instruments are required," said Peggy LeMone, chief scientist for the GLOBE program. The program is based at the University Corporation for Atmospheric Research, Boulder, Colo. "The distribution of sightings tells us about where jets are flying and where weather conditions favor contrails forming. We can also compare the contrail patterns with satellite images," she said.

GLOBE is managed as a partnership between University Corporation for Atmospheric Research and Colorado State University, Fort Collins, through a cooperative agreement with NASA and sponsorship by the National Science Foundation and the U.S. Department of State.

GLOBE brings students, teachers, and scientists together to support achievements in science, technology, engineering and mathematics. It also helps gather important data for the global Earth science community. As of September 2005, students reported more than 13 million scientific measurements using methods and standards developed by GLOBE scientists.


NASA's Science Mission Directorate also provides funding for the Count-a-Thon. The directorate is dedicated to understanding the Earth as an integrated system. Through the study of Earth, NASA is helping provide sound science to better life here, while developing the technologies needed to explore the universe and search for life beyond our solar system.

+ Return to Researcher News Homepage

By Chris Rink and Katherine Lorentz  
The Researcher News  
NASA Langley Research Center  
Managing Editor and Responsible NASA Official: H. Keith Henry  
Editor and Curator: Patrick Lorentz

# NASA Earth Science Week Release

## NASA Goddard News - Looking At Earth


**National Aeronautics  
and Space Administration**

+ Text Only Site  
+ Non-Flash Version  
+ Contact Goddard

FIND IT @ NASA

+ ABOUT NASA   + LATEST NEWS   + MULTIMEDIA   + MISSIONS   + MY NASA   + WORK FOR NASA

+ NASA Home  
+ Center Home

**Goddard Space  
Flight Center**

+ CENTER HOME  
+ ABOUT  
- NEWS  
+ MULTIMEDIA  
+ MISSIONS  
+ EVENTS  
+ EDUCATION  
+ DOING BUSINESS WITH US  
+ EARTH AND SUN  
+ SOLAR SYSTEM  
+ UNIVERSE  
+ TECHNOLOGY

SEARCH GODDARD  
 + GO

### FEATURE

#### It's Always Earth Science Week at NASA Goddard

10

There is something new in the Earth sciences happening every day at NASA's Goddard Space Center, located in the Maryland countryside near Washington, D.C. At its main location in Greenbelt, Maryland and at a scientific institute in New York City and a rocket launch site in Virginia, scientists, engineers and technicians work to keep an eye on the entire planet.

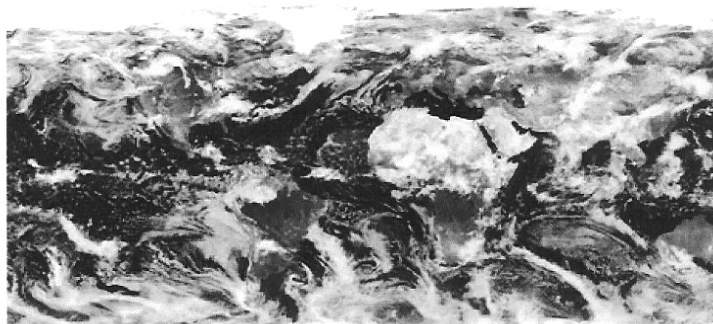


Image above: From the ozone hole over the South Pole to the health of forests around the world, pollution from cities and wildfires, Goddard scientists and engineers see it all. Global views of Earth are received at Goddard every day and distributed to users around the world.

Monitoring the health of the Earth is a big job that requires a lot of different skills. Goddard engineers design and build new tools for seeing Earth from space. Spacecraft mission operators fly globe-orbiting spacecraft around the clock. Earth scientists unravel the secrets of how our planet works. From the ozone hole over the South Pole to the health of forests around the world and air pollution from wildfires, Goddard scientists and engineers see it all.

For many of NASA's Earth-watching spacecraft, Goddard is mission control where workers make sure the satellites are in good shape and working properly as they orbit the globe. These satellites include three big "great observatories" – Terra, Aqua and Aura – as well as the Tropical Rainfall Measuring Mission (TRMM) which can see inside hurricanes. At the Wallops Flight Facility on Virginia's Atlantic coast, Goddard also runs America's oldest continuous rocket range.

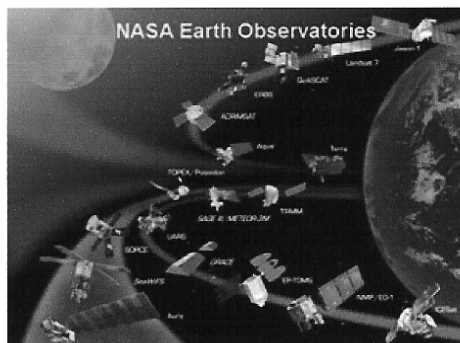


Image to left: Many of NASA's Earth-observing spacecraft are managed from Goddard, including the three "great observatories" – Terra, Aqua and Aura.

Engineers at Goddard use the latest technology to build new instruments that let scientists see the world in many ways. For example, a laser instrument developed at Goddard is right now orbiting over the North and South Poles on the ICESat satellite to make detailed maps of the ice sheets there.

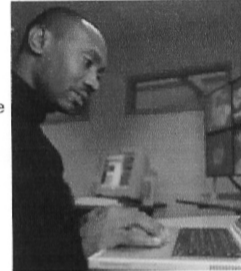
Every single day these satellites and their instruments send down to computers

<http://www.nasa.gov/centers/goddard/news/topstory/2005/earthweek.html>

12/14/2005

Earth millions of megabytes of information. To manage all of this information and get it to the people that use it, software engineers at Goddard created the largest scientific data system on the planet: the Earth Observing System Information System. Scientists, local governments, teachers and the general public use the system to get information from more than 30 satellites. One customized system made at Goddard keeps an eye out for forest fires for the U.S. Forest Service.

**Image to right:** Goddard research meteorologist J. Marshall Shepherd keeps an eye on how hurricanes rise and fall with the aid of images from the Tropical Rainfall Measuring Mission (TRMM) satellite.



Goddard experts also help their colleagues in other parts of the U.S. government who watch the weather every day and keep track of major storms and hurricanes. NASA's TRMM satellite uses radar to look right inside a hurricane and measure how heavy the rain is falling. This is an important clue that tells weather forecasters if the storm is going to get stronger or weaker.

But the really big payoff of all this work at Goddard is the new knowledge gained about how our world works. Every year Goddard scientists make important new discoveries. Recent findings include the surprising results that warmer temperatures around the globe may melt more sea ice around the North Pole but create more ice around the South Pole. Using a computer simulation, other Goddard scientists found that the "Dust Bowl" in the United States in the 1930s was caused by changes in the temperature of the land and Pacific oceans. Understanding how the world's climate is changing, now and in the future, is one of the most important tasks facing scientists and computer modelers busy at the Goddard Institute for Space Sciences in New York.


For more information about how NASA is looking at Earth on the Internet, please visit:  
<http://www.nasa.gov/vision/earth/features/index.html>

For more information about AGI Earth Science Week on the Internet, please visit:  
<http://www.earthsciweek.org/>

Stephen Cole  
NASA Goddard Space Flight Center

# NASA Earth Science Week and Contrail Count Release

## NASA Looking At Earth


**National Aeronautics  
and Space Administration**

[+ Text Only Site](#)  
[+ Non-Flash Version](#)  
[+ Contact NASA](#)

**FIND IT @ NASA :**  
 **+ GO**

[+ ABOUT NASA](#)
[+ LATEST NEWS](#)
[+ MULTIMEDIA](#)
[+ MISSIONS](#)
[+ MY NASA](#)
[+ WORK FOR NASA](#)

[+ Home](#)

**Life on Earth**  
[+ MAIN FEATURES](#)  
[+ IN EVERYDAY LIFE](#)  
**[- LOOKING AT EARTH](#)**  
[+ THE ENVIRONMENT](#)  
[+ NEW TECHNOLOGIES](#)  
[+ LIVING THINGS](#)  
[+ IMPROVING FLIGHT](#)

**Choose another category:**  
[+ Humans in Space](#)  
[+ Exploring the Universe](#)

**EARTH SCIENCE**  
**Observing the Sky for Science: NASA and GLOBE Host Contrail Count-a-thon**
10.12.05

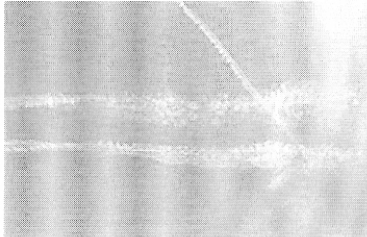
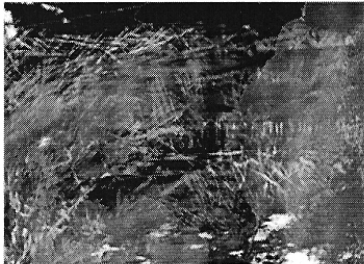
On October 13, NASA and GLOBE invite K-12 students and teachers - as well as interested members of the public - to join in a scientific experiment to observe the presence or absence of contrails in the sky in honor of Earth Science Week. Sponsored by NASA and the National Science Foundation, GLOBE is a student observation campaign in which participants record measurements of the atmosphere, land, water and plant and animal life, for use by students and scientists around the world.

Image to right: Count the contrails for GLOBE Oct. 13, 2005. Credit: NASA.

Contrails are the cloud streaks formed from water vapor in aircraft exhaust. Scientists are interested in studying contrails because of the effects they might have on Earth's climate. Knowing when and where contrails occur is important to predicting their potential impact on climate.

To participate, visit the GLOBE Earth Science Week 2005 Contrail Count-a-thon Web site. Those already registered with GLOBE should report contrails and clouds as they normally do.


Image to left: This image, from January 29, 2004, shows contrails over the southeastern US as seen by the Terra spacecraft. Image credit: Louis Nguyen, NASA Langley.

**Related Resources**  
 To participate in the Count-a-thon, visit:  
[+ http://www.globe.gov/earthsciweek2005](http://www.globe.gov/earthsciweek2005)  
 To learn more about Earth Science Week on the Internet, visit:  
[+ http://www.nasa.gov/vision/earth/lookingatearth/earthweek.html](http://www.nasa.gov/vision/earth/lookingatearth/earthweek.html)  
 To learn more about GLOBE on the Internet, visit:  
[+ http://www.globe.gov](http://www.globe.gov)  
 GLOBE Contrail Education:  
[+ View site](#)  
 Cloud Match Game:  
[+ View site](#)

# NASA Earth Science Week and Contrail Count-a-Thon Release

## NASA, Education, Features and News


**National Aeronautics  
and Space Administration**

[+ Text Only Site](#)  
[+ Non-Flash Version](#)  
[+ Contact NASA](#)

**FIND IT @ NASA :**  
 **+ GO**

[+ ABOUT NASA](#)
[+ LATEST NEWS](#)
[+ MULTIMEDIA](#)
[+ MISSIONS](#)
[+ MY NASA](#)
[+ WORK FOR NASA](#)

[+ NASA Home](#)  
[+ NASA Education Home](#)

**For Students**  
 (Grades 5-8)

[- FEATURES AND NEWS](#)  
[+ HOMEWORK HELP](#)  
[+ INTERNET RESOURCES](#)  
[+ MULTIMEDIA RESOURCES](#)  
[+ LEARNING OPPORTUNITIES](#)  
[+ CONTACTS FOR STUDENTS](#)

**Choose another category:**  
[+ For Students K-4](#)  
[+ For Students 9-12](#)  
[+ For Students Post Secondary](#)

**STUDENT FEATURES**  
**2005 Contrail Count-a-Thon** 09.15.05

NASA and GLOBE need your help.

Image to right: Contrails in the sky. Credit: NASA

We're looking for special clouds called contrails. We want students, teachers and parents all over the world to report whether or not they see contrails in the sky on Oct. 13. Oct. 9-15 is Earth Science Week, a special week for learning about the land, air and water of our planet.

GLOBE is sponsored by NASA and the National Science Foundation. It is a hands-on science and education program for students in grades K-12. GLOBE students take measurements of the environment and report them over the Internet. Students and scientists around the world then use the data to learn more about the Earth system. Your work could help scientists who want to study how contrails affect the air and climate.

Contrails look like white lines in the sky. They form very high in the air where airplanes fly. An airplane's engine releases small particles and gases called exhaust. Invisible water molecules called water vapor are in the exhaust and in the air around the plane. The air is very cold at this height. So if conditions are right, the water vapor condenses into water drops. The water drops then freeze around small particles from the exhaust, and a contrail cloud forms.


For more information, please visit the GLOBE Earth Science Contrail Count-a-Thon Web site . There you will also find directions on how to send us your contrail counts. Talk to your teachers or parents. They can help you identify the contrails in the sky and report what you see.


View GLOBE site:  
<http://www.globe.gov>

**Related Resources**  
 GLOBE Contrail Education  
<http://asd-www.larc.nasa.gov/GLOBE/contrails>


Cloud Match Game  
[http://www.nasa.gov/audience/for\\_kids/games/G\\_Cloud\\_Memory\\_and\\_Matching.html](http://www.nasa.gov/audience/for_kids/games/G_Cloud_Memory_and_Matching.html)

Julia Cole, NASA Langley Research Center  
 Dan Stillman, Institute for Global Environmental Strategies





[+ Inspector General Hotline](#)  
[+ Equal Employment Opportunity Data Posted Pursuant to the No Fear Act](#)  
[+ Budgets, Strategic Plans and Accountability Reports](#)  
[+ Freedom of Information Act](#)  
[+ The President's Management Agenda](#)  
[+ NASA Privacy Statement, Disclaimer, and Accessibility Certification](#)



Editor: Shelley Canright  
 NASA Official: Brian Dunbar  
 Last Updated: September 11, 2005  
[+ Contact NASA](#)



## Geoscience and Earth Science Week Press Release

### Washington State Department of Natural Resources



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

[Home](#) | [Contact Us](#) | [Links](#) | [Divisions](#) | [Regions](#)

#### NEWS RELEASE

About DNR

Programs & Topics

News & Information

Publications & Data

Business with DNR

Recreation

Fire & Natural Hazards

Education & Assistance

Employment with DNR

Site Map / Index

No. 05-127  
October 5, 2005  
Contact: Janet Pearce, 360-902-1122

### Commissioner of Public Lands and State Geologist Donate Geoscience Materials

*Earth Science Week celebrated October 9-15, 2005*

OLYMPIA – The Washington Department of Natural Resources (DNR) announced today that the Division of Geology and Earth Resources will donate geology-related educational materials to the Office of Superintendent of Public Instruction, the Washington State Library, and the Timberland Regional Library on Wednesday, October 12, 2005 at 9:00 a.m. This event will be held at the Washington State Library in Olympia.

"These materials we are donating will help open a world of discovery for students," said Commissioner of Public Lands Doug Sutherland. "They tie closely to the theme of this year's Earth Science Week, which focuses on earth science careers and their importance to society."

Earth Science Week is celebrated from October 9-15, 2005. The American Geological Institute (AGI) organizes this national and international event to help the public gain a better understanding and appreciation for the earth sciences and to encourage stewardship. More information about AGI can be found at <http://www.agiweb.org/>. The Institute also provides a public outreach site at <http://www.earthscienceworld.org/>. The U.S. Geological Survey also supports Earth Science Week. To learn more about events, visit [www.earthsciweek.org](http://www.earthsciweek.org).

The Washington Division of Geology and Earth Resources will host a free noontime presentation by the Ice Age Floods Institute on the proposed multi-state National Ice Age Geological Trail. The proposed trail would tell the story of the cataclysmic Ice Age floods. The program will be held Friday, October 14, 2005 in the Natural Resources Building (NRB), 1111 Washington St. SE, Room 172, Olympia, from 12:00 p.m. to 1:00 p.m. The program is open to the public.

#### DNR's Division of Geology and Earth Resources

Washington is prone to landslides, earthquakes, tsunamis, volcanic eruptions, coastal erosion, mine subsidence, and lahars. The Washington Division of Geology and Earth Resources acts as the State's Geological Survey and has the responsibility to study and map the geology, mineral resources, and geologic hazards of the state. They also distribute this critical information to government officials, state agencies, educators, and the public. The Division's homepage is <http://www.dnr.wa.gov/geology/>.

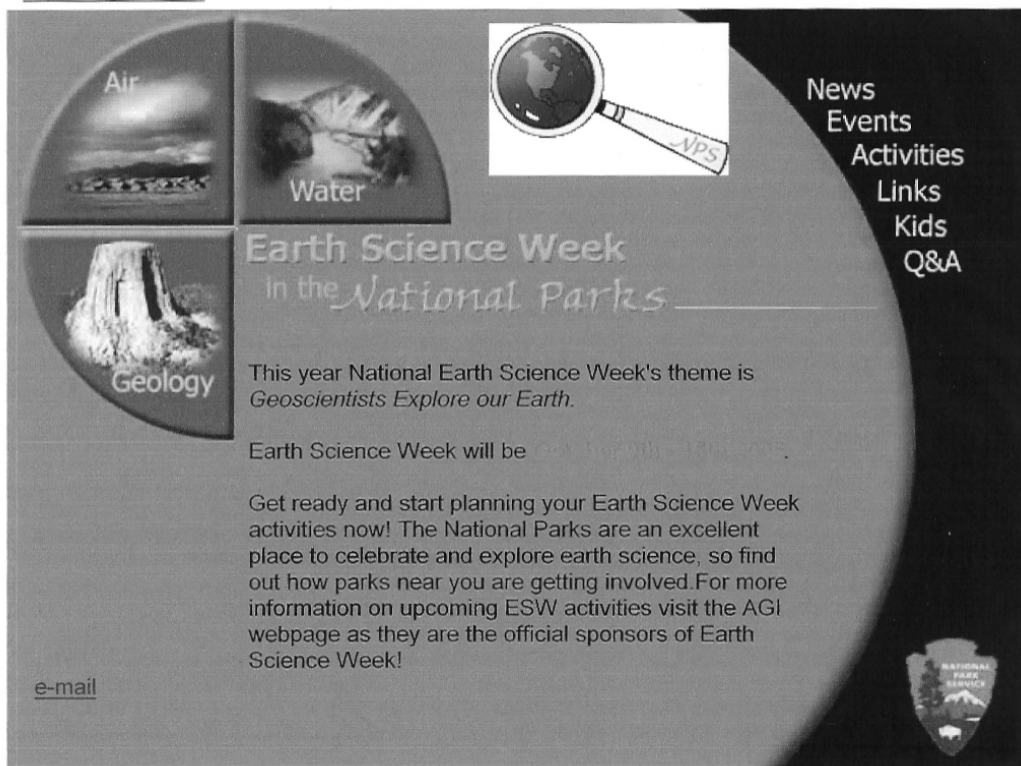
To aid research and geologic study, the Division maintains a reference-only library, open to all. The library's 34,000 items on the geology of Washington State include much that is unique to its collection and cannot be found elsewhere. The library is accessible on-line; the searchable catalog can be found at <http://www.dnr.wa.gov/geology/washbib.htm>.

# # #

## National Parks Service: Earth Science Week in the National Parks

### Earth Science Week News Release

Text Only Version



The banner features a large, light-colored circle on a dark background. Inside the circle, there are three smaller circular images: 'Air' showing a landscape with a body of water, 'Water' showing a close-up of water, and 'Geology' showing a rock formation. To the right of these images is a magnifying glass with a globe inside it and 'NPS' on the handle. The text 'Earth Science Week in the National Parks' is written in a stylized font. Below this, it says 'This year National Earth Science Week's theme is *Geoscientists Explore our Earth.*' and 'Earth Science Week will be' followed by a date range. Further down, it encourages planning activities and visiting the AGI webpage. In the bottom left corner, there is an 'e-mail' link. In the bottom right corner, there is the National Park Service arrowhead logo.

Air

Water

Geology

Earth Science Week  
in the National Parks

This year National Earth Science Week's theme is  
*Geoscientists Explore our Earth.*

Earth Science Week will be

Get ready and start planning your Earth Science Week activities now! The National Parks are an excellent place to celebrate and explore earth science, so find out how parks near you are getting involved. For more information on upcoming ESW activities visit the AGI webpage as they are the official sponsors of Earth Science Week!

e-mail

News  
Events  
Activities  
Links  
Kids  
Q&A

NATIONAL PARK SERVICE

## NOAA Earth Science Week Release

NOAA, Office of Education and Sustainable Development



### Earth Science Week October 9-15, 2005

#### [HOME](#)

#### [NOAA Education Plan](#)

Since October 1998, the [American Geological Institute \(AGI\)](#) has organized this national and international event to help the public gain a better understanding and appreciation for the Earth Sciences and to encourage stewardship of the Earth.

#### [NOAA Education Policy](#)

Please visit the official [Earth Science Week](#) web page to learn more about this event and how to become involved in Earth Science Week 2005.

#### [Funding Opportunities](#)

NOAA contributed to this year's Earth Science Week kits that are being mailed to teachers. To request a kit, click [here](#). NOAA's contributions to the kit can be found below:

#### **Problem-Based Learning Activities for the Classroom:**

##### **Mystery Marine Mollusc**

**Help solve the mystery that faces ocean explorers: identifying new creatures from deep below the sea and learn about the careers involved in exploration and discovery.**

**View and download the "mystery mollusc"** (included in the Earth Science Week Kit)

**View and download the classroom activity to accompany the mystery mollusc image:**

[Problem-Based Career Activity for the Mystery Mollusc NOAA Explore Poster](#)

#### [Hollings Scholarship](#)

#### [NEW Tsunami Education Resource Kit](#)

##### **Tsunami Education Resources**

NOAA has collected educational resources on tsunamis for use in K-12 classrooms. These brochures, websites, hands-on activities, and visualizations can supplement an existing curricula. [Click here for all of the tsunami education resources.](#) (Note: these resources were included on a CD enclosed in the Earth Science Week Kit.)

[Problem-Based Career Activities](#) for the [Tsunami Education Resources CD](#).

#### **CELEBRATE Earth Science Week October 9-15, 2005**

#### [Office Staff](#)

#### [NOAA Education Council](#)

#### [NOAA Education Web Site](#)

#### [NOAA Home Page](#)

**USA Today Education: Earth Science Week Release**  
USA Today, K-12 Education Online



[USA TODAY.COM](#)
[COLLEGIATE](#)
[SIGN IN](#)

# K-12 Education ONLINE

[HOME](#)
[NEWS ACTIVITIES](#)
[PROGRAM INFO](#)
[GETTING STARTED](#)
[SUBSCRIPTION INFO](#)
[CONTACT](#)

## Science, Technology, Engineering and Math

[Career Tech](#)
[English](#)
[Math/Science](#)
[Multicultural](#)
[Reading](#)
[Social Studies](#)
[Natl Standards](#)

## Science, Technology, Engineering and Math Resources



**FREE** online educational resources using USA TODAY content to explore math, science, aeronautics, engineering and technology

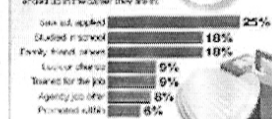
### USA TODAY Snapshots®

#### USA SNAPSHOTS®

A look at statistics that shape your future

#### Career paths

How working adults are they added up in the career they aspire to



- [Earnings by degree](#)
- [Young workers look for future](#)
- [E-business growth](#)
- [Skills in demand](#)
- [How hard can that be?](#)
- [Career paths](#)
- [What I want to be](#)

### USA TODAY Educational resources are:

- Written by experienced math educators
- Based on USA TODAY's articles, Snapshots® and Infographs
- Designed to enhance middle and high-school level curriculum
- Correlated to National Standards

## Activities

Designed to engage students in timely, relevant, real-world information

Requires Adobe  
Acrobat Reader



5.0+

### The Environment

- ▶ [Danny Seo, rolling in green](#)
- ▶ [Buildings designed in cool shades of 'green'](#)
- ▶ [GM, Honda see future in fuel cells that power homes](#)

### Engineering

- ▶ [Percentage of black students graduating in engineering is rising](#)
- ▶ [Better recruiting, education get credit](#)

### Math

- ▶ [Math Lessons](#)

**Earth Science Week 2005: Free Kit, New Resources, Emerging Trends**  
To celebrate Earth Science Week 2005 (October 9-15), the American Geological Institute (AGI) is providing dozens of free, new educational resources to boost awareness about the geosciences and the many exciting career opportunities in the field.

For more information, please go to [www.earthsciweek.org](http://www.earthsciweek.org).

2004

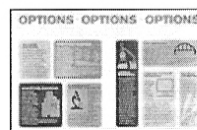
ITEA/Gallup Poll  
"What Americans Think  
About Technology"

### Engineering, Go For It!



**Engineering, Go For It!** is a new guidebook to engineering published by the American Society for Engineering Education to attract high school students and their parents and teachers to the wide world of engineering and technology. [Go>](#)

### Options, Options, Options



## EDUCATION ROUNDUP

### Earth Science Week 2005: Free Kit, New Resources, Emerging Trends

To celebrate Earth Science Week 2005 (October 9-15), the American Geological Institute (AGI) is providing dozens of free, new educational resources to boost awareness about the geosciences and the many exciting career opportunities in the field.

The theme of Earth Science Week 2005 — “Geoscientists Explore the Earth” — focuses on career opportunities in the geosciences. The trend toward increasing demand for earth science professionals in the next decade is led by the Baby Boomers’ escalating retirements and new opportunities in energy and mineral resources and environmental stewardship.

For more information, please go to [www.earthsciweek.org](http://www.earthsciweek.org).



**Days Inns Worldwide, Inc. is proud to become the latest partner with USA TODAY's Partners in Education.** At Days Inns, we believe that the steadfast future of our country is in the hands of our children. The need for increased, public educational resources is apparent. Participating Days Inn hotels throughout the eastern half of the country have contributed in support of sponsoring educational grants through USA TODAY's Education Program.

To learn more about the partnership between Days Inns and USA TODAY, please [click here](#).


**USA TODAY has become the official content provider for the SkillsUSA Quiz Bowl** which tests academic and current event knowledge in a team competition. More than 200 teams compete at local and regional levels in order to advance to the national final of 38 teams in Kansas City. USA TODAY provides ideas for academic integration of USA TODAY Education classroom resources as well as information on literacy programs that help achieve student and educator success.

For additional information about Skills USA and the Quiz Bowl go to: [www.skillsusa.org](http://www.skillsusa.org).

**IDEA!** Learn how Peggy Welch, a science teacher from West Jessamine High School in Nicholasville, Kentucky, uses USA TODAY to help her students learn about new technologies. [View IDEAS!](#)

## Geological Society of America Earth Science Week Release

### GSA, Education



**THE GEOLOGICAL SOCIETY  
OF AMERICA**

SCIENCE ■ STEWARDSHIP ■ SERVICE

• Contact Us • FAQs • Site Search • Site Map

# Education & Teacher Resources

[Bookstore](#)

[Online Journals](#)

[Join GSA](#)

[Donate Now!](#)

---

- [About GSA](#)
- [Membership](#)
- [Publications Services](#)
- [Meetings & Excursions](#)
- [Sections & Divisions](#)
- [Newsroom](#)
- [GSA for Students](#)
- [Geology & Public Policy](#)
- [Grants, Awards & Recognition](#)
- [Employment](#)
- [GeoMart](#)
- [Education](#)
- [Interns & Mentors](#)

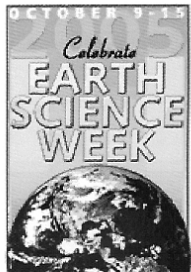
K-12 TEACHER RESOURCES	DISTINGUISHED EDUCATOR	TEACHER & STUDENT OPPORTUNITIES
STATE STANDARDS	BIGGS AWARD	CRITICAL ISSUES
READING LIST	OEST AWARD	EARTH SCIENCE WEEK
WHY SHOULD I GET INVOLVED?	RECOMMENDED READING	TIPS
	USEFUL WEB SITES	ACTIVITY IDEAS

## Earth Science Week

October 9-15, 2005

### "Geoscientists Explore our Earth"

This year, Earth Science Week will focus on Earth Science Careers. Learn about what geoscientists do and how their work is important to society. How can you become a Geoscientist? Start by participating in Earth Science Week!



#### What is Earth Science Week?

Earth Science Week, the second full week in October, is an annual celebration of the contribution geoscience makes to society. The resolution to establish Earth Science Week was initiated by the Association of American State Geologists and was read into the Congressional Record in July 1998 by Senator Ron Wyden of Oregon.

Read the message from President Clinton (2000) encouraging all Americans to participate in Earth Science Week activities. The promotion of Earth Science Week is one of the 50th anniversary initiatives of the American Geological Institute (AGI), of which GSA is a member.

GSA urges each of you to set aside at least one day during Earth Science Week to reach out to your community and promote the creation of a conscientious society committed to the responsible use of Earth and its resources. Write to your Elected Officials! GSA member participation in Earth Science Week activities will help implement GSA's goal to support geoscience in the service of society. This site provides information and ideas to assist you in planning your Earth Science Week activities.

top ▲

## SpaceRef Earth Science Week and Contrail Count-a-thon Press Release

### SpaceRef, News

[SpaceRef](#) · [About Us](#) · [Advertising](#) · [Contact Us](#) · [Comments](#)

Thursday, November 10,  
2005

Select a Site

Go



Advertisement



[Home](#) | [Calendar](#) - [News](#) - [Photo Gallery](#) - [Space Directory](#) - [Space Station](#)

[Press Releases](#) | [Commercial Space Watch](#) - [Mercury Today](#) - [Space Elevator](#) - [Space Wire](#) - [Store](#)

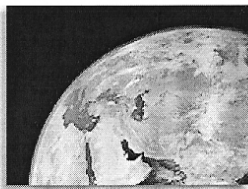
### NASA and GLOBE: Observing the Sky for Science

Advertisement

#### PRESS RELEASE

Date Released: Tuesday, October 11, 2005

Source: [Langley Research Center](#)



NASA and GLOBE, an international student Earth science program, invite the public to join in a scientific experiment on Thursday, Oct. 13. It's simple: observe the sky over your area and report on the presence or absence of contrails.

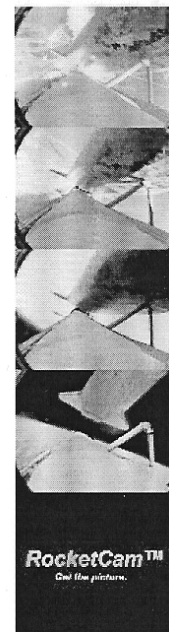
Teachers, students and anyone interested in helping to develop a better understanding of the Earth are welcome to participate in the second annual Fall Contrail Count-a-Thon by submitting contrail observations through an Internet Data Entry Form. Designed to give students and adults an opportunity to collaborate with scientists in a hands-on, real-world science experiment, the Count-a-Thon will also teach participants about contrails, a unique feature of our atmosphere.

Contrails are cirrus clouds formed when water vapor condenses and freezes around small particles (aerosols) in aircraft exhaust. Some of the water vapor comes from the surrounding air; some from the aircraft exhaust itself. Contrails, especially thin ones, are very hard to see from satellites and may have an impact on Earth's atmosphere.

"To augment what we can see from satellite, we hope to receive visual observation reports from lots of people all over the world. Both reports of contrails and reports with no contrails are equally valuable for this research," said Lin Chambers, director of the GLOBE contrail education project at NASA's Langley Research Center, Hampton, Va. Contrails increase Earth's cloudiness while impacting the atmosphere and climate. Observations in the U.S. and around the globe may help scientists better understand the atmospheric conditions that enable the formation of contrails.

Similar to last year's event, the 2005 Fall Contrail Count-a-Thon will be held during Earth Science Week, Oct. 9 -15. Earth Science Week, sponsored by the American Geological Institute, Alexandria, Va., is an international event to help the public gain a better understanding and appreciation for Earth sciences and to encourage stewardship of our planet.

"We thought spotting contrails would be a fun and educational activity that could include more schools and the general public since no instruments are required," said Peggy LeMone, chief scientist for the GLOBE program. The program is based at the University Corporation for Atmospheric Research, Boulder, Colo. "The distribution of sightings tells us about where jets are flying and where weather conditions favor contrails forming. We can also compare the contrail patterns with satellite images," she said.



GLOBE is managed as a partnership between University Corporation for Atmospheric Research and Colorado State University, Fort Collins, through a cooperative agreement with NASA and sponsorship by the National Science Foundation and the U.S. Department of State.

GLOBE brings students, teachers, and scientists together to support achievements in science, technology, engineering and mathematics. It also helps gather important data for the global Earth science community. As of September 2005, students reported more than 13 million scientific measurements using methods and standards developed by GLOBE scientists.

NASA's Science Mission Directorate also provides funding for the Count-a-Thon. The directorate is dedicated to understanding the Earth as an integrated system. Through the study of Earth, NASA is helping provide sound science to better life here, while developing the technologies needed to explore the universe and search for life beyond our solar system.

For information about the Fall Count-a-Thon event on the Internet, visit:

<http://www.globe.gov/earthsciweek2005>

For information about Contrail Education on the Internet, visit:

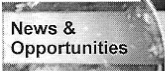
<http://asd-www.larc.nasa.gov/GLOBE>

For information about NASA and agency programs on the Internet, visit:

<http://www.nasa.gov>



## Digital Library for Earth System Education Earth Science Week Listing DLESE, News and Opportunities



[Educational Resources](#) ▾[For Educators](#) ▾[News & Opportunities](#) ▾[People & Groups](#) ▾[For Developers](#) ▾[About DLESE](#) ▾

Home  
Register  
New to DLESE?

Search over:

News & opportunities

Search

Tips

### Earth Science Week 2005

<http://www.earthsciweek.org/index.html>

This year, Earth Science Week will focus on Earth Science Careers. Participants can learn about what geoscientists do and how their work is important to society. Visitors to the website can learn about events in their areas, participate in research projects collecting data for Earth Scientists, or plan their own events. For teachers, there are classroom activities, contests, and theme-based resources. Students can participate in contests, webquests, access theme-based resources, or plan their own events. For the media, there are information kits, event-planning information, and news items. Ordering instructions for information kits, downloadable images and logos, contest information, and links to sponsoring organizations are also included.

**Start of event:** October 9, 2005

**End of event:** October 15, 2005

Announcement type	Audiences	Topics
News	Educator	Earth system science
	General public	Education
	Student	

**Contributor (Contact)**

Cindy Martinez, Outreach Programs Manager  
American Geological Institute  
[cmm@agiweb.org](mailto:cmm@agiweb.org)

**Contributor (Contact)**

Amy L. Spaziani  
Education and Outreach, American Geological Institute  
[als@agiweb.org](mailto:als@agiweb.org)

**Contributor (Contact)**

Earth Science Week, American Geological Institute  
<http://www.earthsciweek.org/index.html>  
Contact: [info@earthsciweek.org](mailto:info@earthsciweek.org), For information (Earth Science Week)

---

[DLESE HOME](#) | [FAQ](#) | [GLOSSARY](#) | [SITE MAP](#) | [CONTACT US](#)



Digital Library for  
Earth System Education

## The National Science Digital Library Earth Science Week Listing

### NSDL, Resources

#### **Earth Science Week**

October 9, 2005 through October 15, 2005

Earth Science Week 2005 Celebrates "Geoscientists Explore our Earth" This year, Earth Science Week will focus on Earth Science Careers. Learn about what geoscientists do and how their work is important to society. How can you become a Geoscientist? Start by participating in Earth Science Week!

[Earth Science Week 2005](#)

*For more information, please contact [Blythe Bennett](#)*

---

[Community Calendar Home](#)

## Geology.com Earth Science Week Listing

Geology.com, Earth Science Online



[Geology.com](#)
[Geology Dictionary](#)
[Geologist Jobs](#)
[Geology News](#)
[Geologic Time](#)
[Satellite Images](#)
[Store](#)

[Link to Geology.com](#)

[Add to Your Favorites](#)

[Red Cross Hurricane Relief](#)

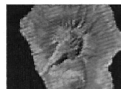
### Satellite Images

[Africa](#)  
[Asia](#)  
[Australia](#)  
[Canada](#)  
[Europe](#)  
[South America](#)  
[United States](#)

### US Geology

[Alabama](#)  
[Alaska](#)  
[Arizona](#)  
[Arkansas](#)  
[California](#)  
[Colorado](#)  
[Connecticut](#)  
[Delaware](#)  
[Florida](#)  
[Georgia](#)  
[Hawaii](#)  
[Idaho](#)  
[Illinois](#)  
[Indiana](#)  
[Iowa](#)  
[Kansas](#)  
[Kentucky](#)  
[Louisiana](#)  
[Maine](#)  
[Maryland](#)  
[Massachusetts](#)  
[Michigan](#)  
[Minnesota](#)  
[Mississippi](#)  
[Missouri](#)  
[Montana](#)  
[Nebraska](#)  
[Nevada](#)  
[New Hampshire](#)  
[New Jersey](#)  
[New Mexico](#)  
[New York](#)  
[North Carolina](#)  
[North Dakota](#)  
[Ohio](#)  
[Oklahoma](#)  
[Oregon](#)  
[Pennsylvania](#)  
[Rhode Island](#)  
[South Carolina](#)  
[South Dakota](#)  
[Tennessee](#)  
[Texas](#)  
[Utah](#)  
[Vermont](#)

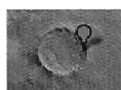
### Geology and Earth Science Highlights



**Atlantic Ocean Tsunami** - Recurrent Canary Islands landslides create tsunami hazard in the Atlantic basin.



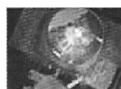
**Himalaya Mountain Range** - A full-width Landsat satellite image of the Himalaya Range.



**Zoom in on Meteor Impact Structures!** - Use Google Maps to get a close look at some meteor impacts.



**Landsat Images of All 50 States!** - Full state Landsat images with state boundary overlays - plus a Landsat tutorial to get you started.



**Interactive New Orleans Satellite Images** - View before / after Katrina from Google and DigitalGlobe.



**What Causes a Tsunami?** - Learn what causes these killer waves - its not just earthquakes.



### Geology and Earth Science Topics

#### Most Popular Pages



- USA Geology Tour - Satellite Image Tour
- What Causes a Tsunami?
- 2004 Indonesia Tsunami Maps
- Geology Dictionary
- Geology and Earth Science News
- Earth Science Jobs

#### Maps and Satellite Images



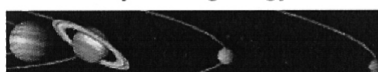
- Digital Map Store - Topo Maps and Aerial Photos
- Map of Highest Points in All 50 States
- Landsat Images of US States - Landsat Tutorial
- Landsat Images of US Cities

#### Geology.com - Newest Information



- Atlantic Ocean Tsunami Threat
- Hurricane Katrina Images - 8/31, 9/3
- New Orleans Satellite Images - Pre/Post Katrina
- Meteor Impact Craters - Interactive Map

#### Astronomy / Astrogeology



- Meteor Impact Craters - Interactive Map
- AstroGeology - USGS
- Chicxulub Meteorite Crater - Yucatan, Mexico
- Doomsday Asteroid - NOVA
- Hubble Project - Best Images of the Universe
- JPL origins program

#### Minerals and Rocks



- Mineral Identification Chart - By Art Crossman
- Crystallography
- Industrial Minerals
- Info-Mine
- Geo Planet
- Minerals by name
- Mineralogy database
- National Mining Association
- US Geological Survey, Minerals

#### Paleontology



- Eurypterids
- Glossary of Paleontology Terms
- Paleobotany, University of Würzburg



[Home](#) | [Directory](#) | [Events](#)

[Select & Go!](#)

[Member Login](#) | [Non-Member Sign up](#) | [About Us](#) | [Contact Us](#)

[About AIPG](#)  
[Annual Mtg 2005](#)  
[Benefits](#)  
[Bylaws](#)  
[CEU](#)  
[Program](#)  
[CPD](#)  
[Program](#)  
[Ethics](#)  
[How to Join](#)  
[Job Board](#)  
[Logo](#)  
[Policies](#)  
[Procedures](#)  
[Sections](#)  
[Store](#)

## Earth Science Week

### Earth Science Week Update Volume 3, Issue 1

#### Inside this Issue:

[Announcing the Theme for ESW 2005](#)  
[Earth Science Week Kits: A Wealth of Resources](#)  
[ESW Workshop at NSTA Conference](#)  
[Other Science Events to Watch](#)  
[ESW Calendar](#)  
[Earth Science Week Partners](#)  
[Contact Information](#)

### Announcing the theme for Earth Science Week 2005:

#### *Geoscientists Explore our Earth*



AGI is proud to announce the theme for Earth Science Week 2005. This year's theme, Geoscientists Explore our Earth, will focus on careers in the Earth Sciences and on the important contributions that geoscientists make to society.

What exactly does a geoscientist do? Many people can not answer that question. Most probably think they have never met a geoscientist, or do not understand how Earth Science has an impact on their daily lives. Geoscientists gather and interpret data about the Earth and other planets in a quest to solve some of societies most challenging problems, from finding adequate natural resources (such as energy resources, water and metals), to reducing the effects of natural hazards on communities around the world.

There are different kinds of geoscientists: hydrologists, geochemists, astronauts, museum curators, soil scientists, sedimentologists, teachers and many more. Learn about careers in Earth Science by participating in Earth Science Week! Students and adults alike will learn about the exciting careers of those who explore our Earth!

### Earth Science Week Kits: A Wealth of Resources

Each year, AGI and its partners put together a packet of materials to help teachers, students and the general public celebrate Earth Science Week. We are already hard at work to collect materials for this year's Earth Science Week Information kits, which will be available in August, 2005.

Here is a sneak peek of materials that will be included:

- The annual Earth Science Week poster with activities
- Careers information from the U.S. Geological Survey
- A stunning poster from NOAA
- An interactive CD ROM with teaching resources from the National Weather Service
- An informative poster about the NASA Earth Explorers Program

The kit will be filled with classroom activities and resources for elementary, middle school and high school teachers, as well as information for geoscientists who want to plan an event. Youth groups and home schoolers will also find resources for earning an activity patch, and information on local Earth Science Week events, plus experiments and activities to do at home. Be sure to check the Earth Science Week website in August to get your kit.

**\*\*We are still accepting submissions to the 2005 kits! Do you or your organization have something that would be great to include? Contact [info@earthsciweek.org](mailto:info@earthsciweek.org) to discuss adding your materials to the kits.**

---

### **Earth Science Week Workshop at NSTA Conference**

Join the Earth Science Week staff for a workshop at the National Science Teacher Association's national conference in Dallas, Texas. Our workshop will be held on April 1st from 9:30 until 10:30 am at the Adams Mark Hotel, State Room 4. Learn about exciting and interesting ways to celebrate ESW in your classroom this year.

Earth Science Week materials will also be distributed at the NESTA Share-a-Thon on April 1st from 11:00 am until noon and at the NESTA/NAGT Share-a-Thon on April 2nd from 9:30 until 10:30 am.

In addition, AGI will have a booth at the exhibit hall. We're part of the "Coalition for Earth Science Education" booth located in the Earth Sciences section. Please stop by to visit us and to find out more about AGI's education and outreach programs!

Saturday, April 2nd is Earth and Space Science Day at the NSTA conference. Special activities to mark the day include an Earth Science Activities Share-a-Thon sponsored by NESTA and NAGT, a Rock and Mineral Raffle sponsored by NESTA, and special speakers sponsored by IRIS (Incorporated Research Institutions for Seismology), JOI (Joint Oceanographic Institutions) and the American Geophysical Union. To learn more about Earth and Space Science Day at NSTA, please visit <http://www.nestanet.org/events.html>

---

### **Other Science Events to Watch**

Did you know that 2005 is the World Year of Physics? This worldwide celebration of physics and how it is important to our lives is also important for Earth Science Week. Earth Scientists use physics to help them understand our planet. Geophysicists, seismologists, and structural geologists are just a few examples of the geoscientific careers that have a strong background in physics and the Earth sciences.

To learn more about the World Year of Physics visit

<http://www.physics2005.org/>. Much like Earth Science Week, there will be events held all over the country and world to celebrate this field of science.

April 11-16, 2005 is ESTEME (Excellence in Science, Technology, Engineering, and Mathematics Education) Week. This week offers schools the opportunity to focus on improving math and science education. The Department of Education and NASA have teamed up this year with other governmental agencies and scientific societies to sponsor activities for ESTEME Week. Visit the ESTEME Week website at <http://www.esteme.org/index.html> to access links to agencies involved in the week, complete webquests, and learn how you can become involved.

---

## **Earth Science Week Calendar**

*March 31-April 3:* NSTA Annual Convention  
Dallas, Texas

*April 11-16:* ESTEME Week

*April 22:* Earth Day  
Earth Science Week Contest Kick-off

*Early August:* ESW kits available for mailing

*October 7:* Earth Science Week Contest Deadline

*October 9-15:* Earth Science Week 2005

---

## **Earth Science Week Partners**

Earth Science Week would not be possible without the support of our sponsors and partners. 2005 marks the eighth Earth Science Week event! Thank you to everyone who has been involved over the years. We are always looking for new partners, so please contact us if your group is interested in getting involved.

### **National Sponsor**

US Geological Survey

### **2005 Earth Science Week Kit Partners**

Incorporated Research Institutions in Seismology (IRIS)  
National Aeronautics and Space Administration (NASA)  
National Oceanic and Atmospheric Administration (NOAA)  
National Parks Service  
National Weather Service  
US Geological Survey

---

## **Contact us for more information**

*Earth Science Week Coordinator*  
Cindy Martinez; [cmm@agiweb.org](mailto:cmm@agiweb.org)

*Earth Science Week Associate*  
Andrea Martin; [asm@agiweb.org](mailto:asm@agiweb.org)

The American Geological Institute

4220 King Street  
Alexandria, VA 22302  
703-379-2480

---

## THE WHITE HOUSE Washington

October 10, 2003

I send greetings to those celebrating Earth Science Week 2003, sponsored by the American Geological Institute. Earth Science Week provides an opportunity to recognize our progress in conservation through environmental stewardship and the contributions of geologists, geophysicists, and other environmental scientists. These professionals help preserve our natural resources, protect our health, keep us safe from natural disasters, and increase our appreciation for the Earth's beauty.

This year's theme, "Eyes on Planet Earth," highlights the importance of monitoring the environment and caring for it wisely. On July 31, 2003, the United States hosted the first-ever Earth Observation Summit in Washington, D.C., where participants discussed a 10-year goal of creating an international, integrated, comprehensive, and coordinated Earth observation system.

I applaud dedicated scientists and students in Earth science and technology for their efforts to learn more about this important field. I also commend educators, parents, and all those who help raise awareness about our planet. Your efforts help us become better stewards of our precious natural resources.

Laura joins me in sending our best wishes.

George W. Bush

---

## Earth Science Week Proclaimed Across the Nation

On October 6, 2000, President Clinton issued a message recognizing Earth Science Week and the contributions geoscientists make toward "stewardship of Earth's fragile and precious environment" and "on such present concerns as global climate patterns, natural disasters, and the conservation of our natural resources." The President's message joins more than 25 proclamations from state governors and city mayors across the nation. Earth Science Week is celebrated annually during the second week of October to increase public awareness and understanding of the earth sciences and to give people of all ages the opportunity to discover the connection between their lives and the Earth.

## Join the US Geological Survey in Celebrating Earth Science Week

The US Geological Survey is sponsoring many Earth Science Week activities in locations throughout the US. Find out what's happening in your area by visiting the [USGS Earth Science Week web site](#).

**Earth Science Week, the second full week in October, is an annual celebration of the contribution geoscience makes to society. The resolution to establish Earth Science Week was initiated by the Association of American State Geologists and was read into the Congressional Record in July 1998 by Senator Ron Wyden of Oregon. President Clinton followed this proclamation in October with a message encouraging all Americans to participate in Earth Science Week activities. The promotion of Earth Science Week is one of the 50th anniversary initiatives of the American Geological Institute (AGI), of which AIPG is a member.**

---

Earth Science Week web site:  
<http://www.earthsciweek.org>


Other sites that are participating in Earth Science Week:  
<http://www.AzMinfun.com/html/esw99/overview.html>  
<http://www.hgs.org/esw.htm>

Australia



## Florida Geological Survey Earth Science Week Release

### FL Department of Environmental Protection




**Florida**  
Department of Environmental Protection

"More Protection, Less Process"

DEP Home / About DEP / Programs / Contact

Search:

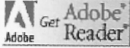


**Programs**


- [FGS Home](#)
- [Coastal](#)
- [Data](#)
- [Acquisition](#)
- [Education](#)
- [Hydrogeology](#)
- [Investigations](#)
- [Oil and Gas](#)

**Information**

- [About Us](#)
- [Contacts](#)
- [Data & Maps](#)
- [Events](#)
- [Forms](#)
- [Geologic Topics](#)
- [Links](#)
- [Newsletters](#)
- [Publications](#)
- [Rules](#)
- [Statutes](#)



### Florida Geological Survey




**Governor Jeb Bush** extended greetings and best wishes to all observing Earth Science Week with this [proclamation](#).

### Earth Science Week at the Florida Geological Survey

On Friday, October 14, the Florida Geological Survey will hold its annual Open House celebrating Earth Science Week at its main facility, the Gunter Building, on the campus of Florida State University ([click for map](#)). The Open House will run from 10:00 am to 5:00 pm. Earth Science Week is organized each year by the American Geological Institute to focus on the science that explains the various earth processes that affect all of us. The theme for this year's event is "Geoscientists Explore our Earth".

We will be joined this year in our celebration by the United States Geological Survey which has its Florida headquarters in Tallahassee, Northwest Florida Water Management District, and the Department of Environmental Protection's Office of Environmental Education. The local home schooling community will be our special guests. Interactive activities appropriate for various age groups are planned. The general public is also invited for building tours and brief discussions of ongoing projects.

We also plan special activities to assist Webelos Scouts in earning their Geology Badges. Scout Night is planned for the evening of October 18 from 6:30 pm to 8:30 pm so that Scouts who usually meet in the evening can participate. The number of scouts we can accommodate is limited and attendance is on a first come first serve basis. Please contact **Paulette Bond** at (850) 488-4191 or by e-mail at: [Paulette.Bond@dep.state.fl.us](mailto:Paulette.Bond@dep.state.fl.us) for more information concerning this event.



[www.earthsciweek.org](http://www.earthsciweek.org)

### Get a free Earth Science Week 2005 Educational Kit from The American Geological Institute

To celebrate Earth Science Week 2005, the [American Geological Institute](#) (AGI) is providing dozens of free, new educational resources to boost awareness about the geosciences and the many exciting career opportunities in the field.

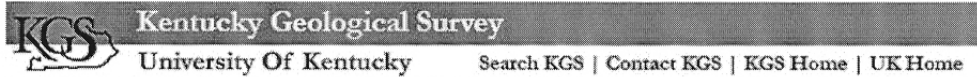
Educators, parents, and interested citizens are invited to order a [free Earth Science Week Kit](#) (plus \$4.95 shipping and handling), which includes posters, DVDs, CD-ROMs, maps, fliers, activity calendar, contest details, fun learning activities linked to the National Science Education Standards, information tailored for Spanish-speaking audiences, and much more.

The American Geological Institute is a nonprofit federation of 43 scientific and professional associations that represent more than 120,000 geologists, geophysicists, and other earth scientists. [more...](#)



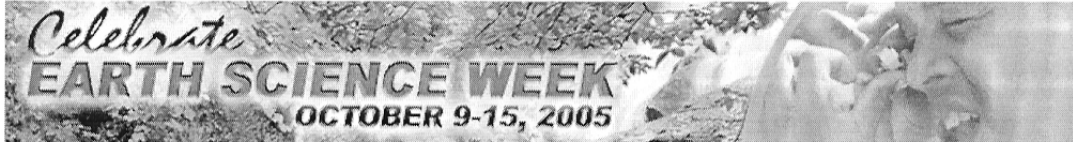
## Kentucky Geological Survey Earth Science Week Release

### KGS News and Announcements



[KGS Home](#) > [News and Announcements](#)

## EARTH SCIENCE WEEK



October 9 – 15, 2005

### “GEOSCIENTISTS EXPLORE OUR EARTH”

Once again, the American Geological Institute is sponsoring this annual observance to increase public awareness and understanding of earth science and its contribution to daily life.

The Kentucky Geological Survey has requested that Governor Ernie Fletcher officially declare the week of October 9 – 15 as Earth Science Week in Kentucky .

The Survey will again sponsor and participate in activities during the week, including its annual open house, tentatively set for Wednesday evening, Oct. 12.

Check regularly at this website for additional information.

Meanwhile, you can explore this site for much information about a wide variety of topics relating to geology and the work done by the researchers and scientists at the Geological Survey.

Information about Earth Science Week, along with a wide range of ideas, projects, graphics and other related data can be found at <http://www.earthsciweek.org> .

---

All files associated with this page are copyrighted © 1997 – 2005 by the [Kentucky Geological Survey](#), [University of Kentucky](#).  
[An Equal Opportunity University](#).  
Contact the [Webmaster](#) for questions and comments.  
Last modified August 8, 2005 .

## KGS Promotes Earth Science Week 2005

Media Contact: [Mike Lynch](#)



Earth Sciences Week poster

[[mike.lynch@uky.edu?subject=%5BNEWS%5D%20RE%3AKGS%20Promotes%20Earth%20Science%20Week%202005](mailto:mike.lynch@uky.edu?subject=%5BNEWS%5D%20RE%3AKGS%20Promotes%20Earth%20Science%20Week%202005)]  
(859) 257-5500

**LEXINGTON, Ky. (Sept. 23, 2005)** – Whether it's the study of climate to better understand hurricanes, tornadoes and other significant weather events or the exploration of deep geology to find oil, gas and mineral resources, the earth sciences have a major impact on our lives. To promote a better understanding of these sciences and their impact, Gov. Ernie Fletcher has officially declared the week of October 9 – 15 "Earth Science Week" in the Commonwealth. The Kentucky Geological Survey (KGS) at the University of Kentucky will observe Earth Science Week and its theme of "Geoscientists Explore Our Earth" with an open house and other activities.

Earth Science Week has been sponsored nationally since 1998 by the American Geological Institute, the U.S. Geological Survey and other science organizations and societies. This year's national theme draws attention to the variety of important and rewarding career fields in the earth sciences.

At the KGS, geologists, hydrologists and other scientists study important issues including the quality and quantity of Kentucky's groundwater, the availability of oil, gas, coal, limestone and other resources and the probability of earthquakes in the region.

A wealth of information about Kentucky geology and the KGS activities during the week can be found at the [KGS web site](http://news.uky.edu/news/) [http://news.uky.edu/news/]. Additional information about Earth Science Week at the national level is available [online](http://news.uky.edu/news/) [http://news.uky.edu/news/]. Both web sites have much helpful information and resources for science teachers and the general public.

The annual open house at the KGS will be Wednesday evening, October 12, 6:00 – 8:00 p.m. EDT. There will be displays and demonstrations relating to groundwater and karst topography in Kentucky, dinosaurs and fossils, as well as videos on geologists and geologic topics.

Students of all ages are welcome, and anyone who has found suspected fossils or unidentified rocks can bring them to the open house to have a professional geologist examine and identify them.

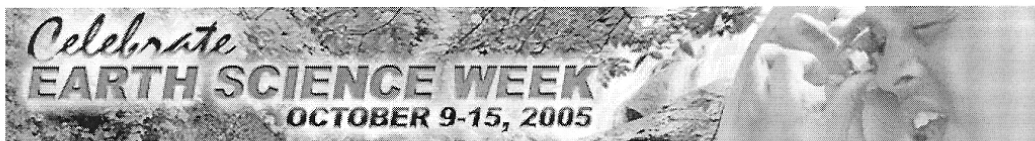
The Survey is located in the Mining and Mineral Resources Building on Rose Street on the UK campus. Free parking will be provided in the campus Parking Garage #2 next to the building.

During Earth Science Week, KGS staff will also participate in activities for school children at McConnel Springs, a 26-acre historical and natural preserve in Lexington.

Written by: Mike Lynch

**Maryland Geological Survey**  
Earth Science Week Release

**Maryland Geological Survey**



**Maryland Geological Survey (MGS) and Earth Science Week 2005**

Governor Ehrlich has declared October 9-15, 2005 as **Earth Science Week**. The purpose of Earth Science Week is to promote understanding and appreciation for the Earth Sciences and its relevance to our daily lives. Earth Science Week gives the public new opportunities to discover and learn about the Earth Sciences and stewardship of the Earth.



**Geoscientists Explore our Earth**

Each year Earth Science Week has a new theme. The 2005 theme, "Geoscientists Explore our Earth," focuses on the wide variety of careers in the geosciences and the contributions geoscientists make to society.

The term geoscience denotes the collective disciplines of geological sciences and generally includes geology, geophysics, hydrogeology, as well as aspects of oceanography, atmospheric science, environmental science and planetary science. Geoscientists gather and interpret data about the Earth and other planets and use the knowledge to increase our understanding of Earth processes and find solutions to some of society's challenging problems.

Careers in geosciences vary widely. A career in geoscience could include evaluating groundwater as a hydrogeologist, studying fossils as a paleontologist, analyzing data from Mars as a planetary geologist, or finding and developing mineral or energy resources as an economic or petroleum geologist. For more on the variety of Earth Science careers, see: <http://www.earthscienceworld.org/careers/brochure.html>.

**Geoscience at the Maryland Geological Survey**

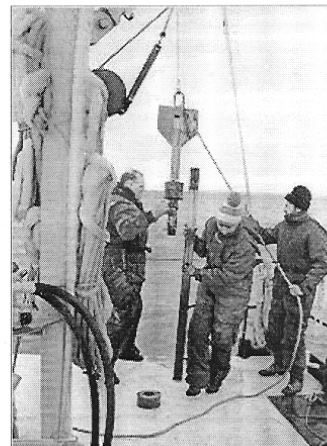
Geologists and geoscientists at the MGS assess and evaluate geologic conditions and resources in Maryland. Geoscientists at MGS are divided into three programs:

- Hydrogeology and Hydrology
- Estuarine and Coastal Geology
- Environmental Geology and Mineral Resources

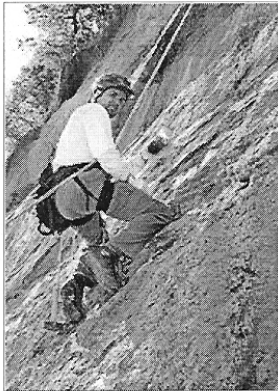
The MGS, however, is in the process of being split. The Estuarine and Coastal Geology program is going to stay with the Maryland Department of Natural Resources (DNR) but be relocated from Baltimore to Annapolis. The remaining MGS programs and administrators are going to be transferred to the Maryland Department of the Environment (MDE) in Baltimore. Details about the split of MGS are still being addressed, but work on the division and move is underway.

The MGS often works cooperatively on projects with local, state, and federal agencies. Here are a few examples of what we currently do:

- Forecast potential effects of water demand and land use on groundwater levels, stream



- flows, water quality, salt-water intrusion, and land subsidence
- Help maintain a statewide water quality network of wells and springs
  - Characterize the sediments and conditions at the bottom of the Chesapeake Bay for oyster restoration projects
  - Monitor/map shoreline erosion over time and after specific events, such as hurricanes
  - Monitor and assess sediments dredged from shipping channels
  - Map rock/sediment units, geologic structures, and use of mineral resources to provide a fundamental framework for related investigations (such as soils mapping) and planning (such as land use and resource development or protection)
  - Map and assess geologic hazards (such as sinkholes and sinkhole-prone areas) and determine factors that contribute to, and approaches to minimize, hazard development
  - Monitor earthquakes via the Maryland seismic network
  - Assess the potential to geologically sequester (or store) carbon dioxide (CO<sub>2</sub>), a greenhouse gas



For now, you can visit the [MGS website](#) for more information about geology and geoscientists in Maryland. In the future, information on MGS programs, projects and geoscientists may be located at websites of the DNR and MDE.

#### **Earth Science Week materials and contests**

The American Geological Institute, a non-profit group of 43 geoscience organizations, has many ways to get involved in Earth Science week. These include national contests in art, writing and photography that are going on now (see contests under "Upcoming Events" below). For more information on Earth Science Week for teachers, students, the general public and the media see: <http://www.earthsciweek.org>.

updated 10/3/05

---

[Return to previous page](#) | [Go to the MGS Home Page](#) |

**California State University, Fresno**  
Fresno State News Release

**CALIFORNIA STATE UNIVERSITY, FRESNO**  
**FresnoStateNews.com**

Click the FresnoStateNews logo to return to the home page  
University Communications - 5241 N. Maple - Fresno, CA 93740-8027 - 559.278.2705

Featured: <b>Faculty Who Energize Fresno State</b>	<b>Save Mart Center - Search</b> University Journal
--	--

Maps: Heading to a campus event? -- Use our online maps

**FOR IMMEDIATE RELEASE**  
Oct. 12, 2005  
Contact: Shirley Melikian Armbruster  
559.278.5292 or 559.593.1815

**Yellowstone volcanoes is topic of Earth Science Week talk**

Robert Christiansen, research geologist emeritus with the U.S. Geological Survey in Menlo Park, will speak on "Volcanic Evolution of the Yellowstone Plateau Region" Wednesday at California State University, Fresno as part of Earth Science Week.

The program will be at 6:30 p.m. in the Education Building, Room 140. The program is free and open to the public. Parking restrictions will be relaxed in Lot C at Shaw and Maple avenues.

The program is presented by the Department of Earth and Environmental Sciences and The College of Science and Mathematics.

For more information, call 278.3086.

**Crerar Library**  
Earth Science Week News Release

**Crerar Library News**

News and Information about the John Crerar Library.

[« Journal of Environmental Monitoring](#) | [Main](#) | [Download ACS Article](#)  
[Info to EndNote »](#)

**Earth Science Week 2005 freebies!**



To celebrate Earth Science Week 2005 (October 9-15), the American Geological Institute (AGI) is providing dozens of free, new educational resources to boost awareness about the geosciences and the many exciting career opportunities in the field.

Educators, parents, and interested citizens are invited to order a free **Earth Science Week Kit** (plus \$4.95 shipping and handling), which includes posters, DVDs, CD-ROMs, maps, fliers, contest details, fun learning activities linked to the National Science Education Standards, information tailored for Spanish-speaking audiences, and much more. Order online at [www.earthsciweek.org](http://www.earthsciweek.org).


If you are an earth scientist, consider contacting a local school, youth organization (like Girl Scouts or Boy Scouts), or community group to see what you can do to participate in Earth Science Week 2005!

September 09, 2005 in [News and announcements](#) | [Permalink](#)

## 2-34


## Point Reyes National Seashore


### Earth Science Week News





# Earth Science Week


[Contact Us](#) | [Feedback](#) | [Site Map](#)


[What is Earth Science Week?](#)


[What's Going On?](#)


[Plan an Event](#)


[For Teachers](#)

[For Students](#)

[For the Media](#)

[Order Materials](#)

[AGI Home](#)




## Celebrate EARTH SCIENCE WEEK OCTOBER 9-15, 2005

### Congresswoman Lynn Woolsey Speaks In Behalf of Earth Science Week

Congresswoman Lynn Woolsey (D., CA) spoke in behalf of Earth Science Week at the Bear Valley Visitor Center at Point Reyes National Seashore on Sunday, October 9th. She addressed a crowd of about 60 scouts, parents, park staff and visitors. Congresswoman Woolsey is a member of both the Science and Education Committees of Congress and expressed her interest in challenging youths to become interested in pursuing careers in the Earth Sciences. Her speech was presented concurrently with exhibits entitled "3D Geology and Natural History of the San Andreas Fault" and "Name That Park!" prepared by Phil Stoffer (U.S. Geological Survey, Menlo Park, CA) and Paula Messina (Geology & Education Depts., San Jose State University). The outdoor exhibit was set-up and operated by scouts and scientists throughout the day and viewed by hundreds of park visitors enjoying perfect California weather at the park.

Phil Stoffer  
U.S. Geological Survey



Sponsored by the  
American  
Geological Institute

#### Contests


#### Images and Logos

#### Order an ESW Information Kit


#### FAQ

#### Earth Science Week Home

#### Earth Science World Home




www.earthsciweek.org

**UNIVERSITY of NEW HAMPSHIRE LIBRARY**

Library Quick FindGo

Home | UNH Library Catalog

About Us | Services | Research Tools | Site Search | Comments

  
News Archive

**LIBRARY NEWS ▼**

**Earth Science Week at the Library**

The Government Documents Department is observing Earth Science Week October 9-15 with an exhibit at Dimond Library featuring publications of the U.S. Geological Survey, the National Park Service, the Department of Agriculture, NASA, and several other government agencies. Some of the topics on display include soil surveys, geologic hazards, climate change, remote sensing, and oceanography. These documents are selected from our circulating collection on Level 1 of Dimond. In addition, the Dimond Map Room contains over 55,000 maps. All the agencies featured in the exhibit also have extensive online information. Documents staff will be happy to help you locate these web sites. Earth Science Week is sponsored by the American Geological Institute, a federation of 43 geoscientific and professional organizations.

We have just added to the display information from USGS on the NH flooding and the Pakistani earthquake. We have additional satellite photo maps of Pakistan in the Map Room.

*Celebrate*  
**EARTH SCIENCE WEEK**  
OCTOBER 9-15, 2005

Copyright 2005, The University of New Hampshire Library  
18 Library Way, Durham, NH 03824 phone: 603 862-1535  
UNH is part of the University System of New Hampshire.  
contact the webmaster Last updated 2005-Oct-12



# University of Wisconsin, Fox Valley

## Earth Science Week News Release



| Fox Home | A-Z Index | Site Search | Contact Info | Campus E-Mail |

Today is 11/1/2005

ABOUT FOX ADMISSIONS & REGISTRATION ACADEMICS STUDENT LIFE LIBRARY & TECHNOLOGY CAMPUS CONNECTIONS



Contact [Dave Hager](#),  
Director of University  
Relations for more  
Information.

### UW-Fox Valley

1478 Midway Road  
Menasha, WI 54952  
Phone :  
920.832.2611  
Fax: 920.832.2674

## Weis Earth Science Museum Celebrates 'Earth Science Week'

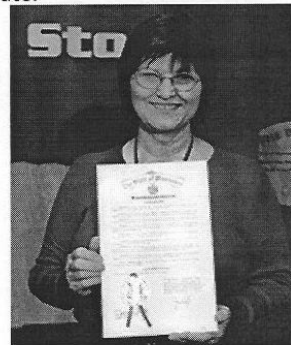
[Home](#) > [What's New at Fox](#) > Weis Earth Science Museum Celebrates 'Earth Science Week'

### [Archived]

" 'Earth Science Week' is being held this year from October 9 - 15, and is celebrating with the theme, 'Geoscientists Explore the Earth,'" according to Dr. Joanne Kluessendorf, director of the Weis Earth Science Museum on the campus of the University of Wisconsin-Fox Valley in Menasha. " 'Earth Science Week' promotes understanding and appreciation of the value of Earth Science research and its applications and relevance to our daily lives," she further explained.

Kluessendorf initiated the request and later facilitated contact with Wisconsin Governor Jim Doyle, who has issued an official proclamation proclaiming the week of October 9-15 officially as "Earth Science Week" in the state.

"We here at the Weis Earth Science Museum, Wisconsin's Official Mineralogical Museum, support the American Geological Institute's objectives and efforts to promote 'Earth Science Week.' It's important to engage students at all levels in discovering Earth Sciences," Kluessendorf said. " 'Earth Science Week' is significant because it gives us the opportunity to highlight how important Earth Science is to society—a fact that is usually taken for granted. Geology and the other Earth Sciences are fundamental to our health, safety, and economy. They are integral to finding, developing and conserving water, mineral and energy resources, and they help us understand natural disasters and how to prevent or prepare for them. In Wisconsin, our scenic landscape, so vital to recreation and tourism, was created by geological processes, and the State was first settled by Europeans because of the rich mineral deposits that were available to mine. "



Started in October 1998 by the American Geological Institute, "Earth Science Week" has become a national and international event. Through promoting this year's theme, the AGI hope to educate the public as to what geoscientists do in their careers and how their work is important to society.

Kluessendorf, who holds a Ph.D. in geology, is planning several events during "Earth Science Week" that are to be held in the WESM and will be open to the public. Details will be announced in the near future. "In the WESM's evolving gallery, we're going to open a new exhibit on the old mining districts of Wisconsin and have Marcia Bjornerud, chairperson of the Geology Department at Lawrence University, do a reading from her book, 'Reading the Rocks,' Kluessendorf explained.

"We hope that people of all ages come to the WESM to find out more about 'Earth Science Week,'" Kluessendorf said. "Visitors to the WESM can learn all about Wisconsin geology and our State's mining history. They will also learn how earth scientists study geology, and they can learn to 'read the rocks' themselves."

The Weis Earth Science Museum is open Wednesdays and Thursdays, Noon to 4:00 p.m.; Fridays from Noon to 7:00 p.m.; Saturdays from 10:00 a.m. to 5:00 p.m.; and

**Washington State Department of Natural Resources Earth Science Week News Release**  
Inside DNR News

**Geology's Gift Baskets Rock!**  
Visit the Geology CFD Silent Basket Auction — Oct. 13 & 14



**Earth Science Week Celebrated Oct. 9-15**  
In celebration of Earth Science Week, Commissioner of Public Lands Doug Sutherland (far left) and State Geologist Ron Teissere (second from right) present geology-related educational materials to Jodi Reng of Timberland Regional Library, Jan Walsh with the Washington State Library, and Eric Wuersten from the Office of the Superintendent of Public Instruction. Photo: DNR/Nancy Charbonneau

**Washington State Department of Natural Resources Earth Science Week Listing**  
Division of Geology and Earth Resources



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

[DNR Home](#) | [Contact DNR](#) | [Divisions](#) | [Regions](#)

**DIVISION OF GEOLOGY AND EARTH RESOURCES**



**Earth Science Week 2005**  
**October 9-15**

[ESW Home](#) || [News & Events](#) || [Geology Quiz](#) || [Recommended Reading](#)

**Earth Science Week 2005 Celebrates**  
**"Geoscientists Explore our Earth"**

This year, Earth Science Week focuses on **Earth Science Careers**. Learn about what geoscientists do and how their work is important to society. How can you become a Geoscientist? Start by participating in Earth Science Week!

- Visit the American Geological Institute's [Earth Science Week website](http://www.earthsciweek.org/) (<http://www.earthsciweek.org/>) for activities, events, lesson plans, and more.
- Also visit the U.S. Geological Survey's [Careers in Sciences website](http://interactive2.usgs.gov/learningweb/explorer/geocareers.htm) (<http://interactive2.usgs.gov/learningweb/explorer/geocareers.htm>) for more information about geoscience careers.
- An organization that promotes geoscience careers for women, Association for Women Geoscientists, has a webpage, [Career Opportunities in the Geosciences](http://www.awg.org/eas/profiles.html) (<http://www.awg.org/eas/profiles.html>), that defines several occupations and provides links to the profiles of 25 women geoscientists.

DGER is hosting a brown bag presentation on the Ice Age Trail—see [News & Events](#) for more information

Test your geological knowledge... take the [Washington Geology Quiz!](#)

See Governor Gregoire's [Earth Science Week proclamation](#) [PDF; 162 KB]

[Geoscience Education](#) | [DGER Home](#)

*Last modified 29 Sep 2005*

**Washington Reads Earth Science Week and Geology News Release**  
Washington State Librarian

***Washington Reads***  
**Selections from the State Librarian**  
Fall 2005

Jan Walsh, Washington State Librarian announces her Fall 2005 book selections. Her theme this time is “**Geology of Washington State.**” Jan’s comments about each book can be found on the State Library’s web page at: <http://www.secstate.wa.gov/library/> beginning October 27, 2005

Alt, David D. **Glacial Lake Missoula: And Its Humongous Floods.** Mountain Press Pub., 2001. 199 p. ISBN 0878424156 (Adult)  
NW 551.792 ALT 2001; R 551.792 ALT 2001

Harris, Stephen L. **Fire Mountains of the West: The Cascade and Mono Lake Volcanoes.** 3<sup>rd</sup> edition. Mountain Press Pub. Co., 2005. ISBN 087842511X (Adult)  
NW 551.2109 HARRIS 2005; R 551.2109 HARRIS 2005

Morrison, Taylor. **The Coast Mappers.** Houghton Mifflin, 2004. 45 p. ISBN 0618254080 (Children)  
NW 623.8929 MORRISO 2004; R 623.8929 MORRISO 2004

Orsen, Mark. **Ginkgo Petrified Forest.** Ginkgo Gem Shop, 1998. 24 p. (Young Adult)  
NW 917.9757 ORSEN 1998; R 917.9757 ORSEN 1998  
Publisher contact information: PO Box 1404, Vantage, WA 98950 (509) 856-2225.

Peters, Lisa Westberg. **The Sun, the Wind, and the Rain.** Illustrated by Ted Rand. Holt, 1988. 32 p. ISBN 0805006990 (Children)  
NW 551.432 PETERS 1988; R 551.432 PETERS 1988  
Reprinted in 1990. ISBN 0805014810

Williams, Hill. **The Restless Northwest: A Geological Story.** Washington State University Press 2002. 163 p. ISBN 0874222508 (Young Adult)  
NW 557.95 WILLIAMS 2002; R 557.95 WILLIAM 2002

All books are available for check out from the Washington State Library and other libraries in Washington. If your local library doesn't own a book, they can request an interlibrary loan for you. Each of the above titles is also in print, available for purchase through your favorite bookstore.

**Washington State Library**  
Office of the Secretary of State  
6880 Capitol Boulevard South, Tumwater WA  
<http://www.secstate.wa.gov/library/>

**Washington Division of Geology and Earth Resources**  
Department of Natural Resources, News and Events



**Earth Science Week 2005**  
**October 9–15**

[ESW Home](#) || [News & Events](#) || [Geology Quiz](#) || [Recommended Reading](#)

**News & Events**

Earth Science Week events hosted by the Washington Division of Geology and Earth Resources, and other related events and geology news.

• **WASHINGTON DGER EVENTS** •

[Washington  
DGER Events](#)

[Other Events](#)

[Related News](#)

**Donating Earth Science Materials**  
**Wednesday, October 12, 2005**

To promote Earth Science Week, Public Lands Commissioner Doug Sutherland and State Geologist Ron Teissere will present geology books, videos, and DVDs to State Librarian Jan Walsh of the Washington State Library and Eric Wuersten, Science Program Director at the Superintendent of Public Instruction's Office.

The earth science materials include *Run to High Ground* (A Native American story about tsunamis and earthquakes told by Hoh Tribe storyteller Viola Riebe, on video), *Cascadia Subduction Zone Earthquakes—A Magnitude 9.0 Earthquake Scenario*, *Earth Atlas*, and Earth Science Week kits.

**Brown Bag: Ice Age Floods National Geologic Trail**  
**Friday, October 14, 2005**  
**11:30 am to 1:30 pm**

The Washington Division of Geology and Earth Resources is hosting a free brown bag (lunchtime) presentation at the Natural Resources Building, Room 172 (1111 Washington St. SE, Olympia; directions can be found at <http://www.dnr.wa.gov/geology/dgermap.htm>). Members from the [Ice Age Floods Institute](http://www.iceagefloodsinstitute.org/) (<http://www.iceagefloodsinstitute.org/>) will describe the proposal for an Ice Age Floods National Geologic Trail through Washington and several other states, and its status in Congress. Bring your lunch and join us for an interesting program!

From <http://www.iceagefloodsinstitute.org/trail.html>:

In 2001, the National Park Service completed a major Special Resource Study and submitted a report to Congress proposing that an Ice Age Floods National Geologic Trail be established. Such a Trail would represent the largest, most systematic, and most cooperative effort yet proposed to bring the dramatic story of the Ice Age Floods to the public's attention, and this has the potential to bring significant economic and cultural benefits to communities throughout the Northwest.

The Ice Age Floods National Geologic Trail would essentially be a network of marked touring routes extending across parts of Montana, Idaho, Washington, and Oregon, with several special interpretive centers located across the region.

### • OTHER WASHINGTON EVENTS •

#### **Washington State Library Event**

#### **Brown Bag: A Room for the Summer**

**Adventure, Misadventure, and Seduction in the Mines of the Coeur d'Alene**

**Thursday, October 6, 2005**

**12:10 to 1:00 pm**

Start Earth Science Week a little early and join the Washington State Library as author Fritz Wolff, geologist with the Washington Division of Geology and Earth Resources, shares the dangers and adventure of three summers spent working the mines of Bunker Hill in Kellogg, Idaho. The brown bag presentation is at the Washington State Library, Room 221 (6880 Capitol Blvd. S, Tumwater). View the [flyer](#) [PDF (external)] for more details.

### • RELATED NEWS •

#### **New Washington State Geologic Map**

The Division of Geology and Earth Resources is very pleased to announce the availability of the new 1:500,000-scale Geologic Map of Washington State (Geologic Map GM-53). This is the first of its kind since 1961, and is an excellent wall map. Suitable for framing, it is now available for sale. It is also available for download; click the above link for details.

#### **Washington Geologic Field Trips**

If you want to make a geologic field trip in Washington, check out our Geologic Field Trips webpages (<http://www.dnr.wa.gov/geology/geotrips.htm>), created for Earth Science Week 2002.

#### **Curious about Mount St. Helens?**

Watch the daily activity at the mountain on the Mount St. Helens VolcanoCam (<http://www.fs.fed.us/gpnf/volcanocams/msh/>). The image is updated every 5 minutes.

# Washington Science Teachers Association

## Earth Science Week News Release



[About WSTA](#)
[Members](#)
[Resources](#)
[WSTA Events](#)
[Community](#)
[Contact](#)

**WSTA**

- Home
- Calendar
- Chemical Safety
- Feedback
- Gallery
- Message Board
- News Archive
- Recommend Us
- Reviews
- Science Headlines
- Search
- Statistics
- Submit News
- Surveys
- Top stories
- Topics
- Web Links
- Your Account

**Event Calendar**

November 2005

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

No events today.

[Suggest an event](#)

**Categories Menu**

- All Categories
- Contests
- Conventions
- Experiments
- Grants
- Job Opportunities
- Lesson Plans
- News
- Prof Development
- Scholarships

**Who's Online**

There are currently, 8 guest(s) and 0 member(s) that are online.

You are an Anonymous user. If you are a WSTA member, you can sign up for a free online account by clicking [here](#)

**Search**

Search

**15 October 2005 Earth Science Sites of the Week**

Posted by [rick](#) on Tuesday, October 18 @ 08:23:34 PDT

Hello everyone,

HAPPY EARTH SCIENCE WEEK! This week's 15 October 2005 "Earth Science Sites of the Week" feature the following resources:

- 1) weather maps
- 2) mental maps
- 3) volcanoes
- 4) nature of science lessons
- 5) What determines a planet's climate?
- 6) climate change collection
- 7) endangered species
- 8) environmental impact of dams
- 9) finding the pole star

**Features:**

- 1) Outstanding Earth Science Image: global change is real--stranded seaport
- 2) Good Read: displaying quantitative information
- 3) Diagram to Contemplate: how most science is done
- 4) Animation: when will we see the moon?
- 5) Battling Misconceptions: phases of the moon
- 6) Good Quote: John Locke on scientific observation
- 7) Computer Tip: keeping the table headings in Microsoft Word
- 8) Buyer's Guide: using Froggie to get the best price on equipment
- 9) Humor: Rocket Scientist's Guide to Research Papers (text from student research papers)

**Web Resources for Teaching and Research**

- 1) GRAPHICAL FORECASTS, National Weather Service, (suggested by Eric CohenWesthampton Beach High School). Find a series of (experimental) weather forecasting maps in digital/graphical formats. These maps can show the almost seamless movement of weather systems across the country over a period of several hours. In the "Daily View" (tab) you can "mouse over" the forecasted weather that spans the coming 9 hours, move ahead by 12 hours, and look over the weather from 12 hours ago. The "mouse over" feature gives these forecasts a sort of "animated" look which allows the viewer to see paths of and patterns in the coming weather. The "Weekly View" tab provides a day by day look at the weather for the week ahead and you can "Expand" this view to get a more detailed look. The "Loops" tab takes all this information and puts it into a seamless, continuous Java loop. The really nice thing about these graphical forecasts, other than the great colorization, is the ability of the viewer to "hone in" on specific weather elements for closer study.

<http://www.weather.gov/forecasts/graphical/sectors/>

- 2) COMMONCENSUS MAP PROJECT, Michael Baldwin, (suggested by Matt Rosenberg, Guide to Geography at About.com). The site "is redrawing the map of the United States...to show how the country is organized culturally, as opposed to traditional political boundaries. It shows how the country is divided into 'spheres of influence' between different cities at the national, regional, and local levels." By visiting the site and answering a few questions, you can contribute to a metropolitan mental map of the country. You'll be asked where you live and which cities you feel most tied to. Once more than 10,000 people participate in the project, Michael will produce mental maps of the country. Please participate and encourage others to do so as well; the result will be fascinating to all of us!

<http://commoncensus.org/index.php>

- 3) VOLCANOES OF THE WORLD, Jürg Alean, Roberto Carniel and Marco Fulle, (suggested by Sandra Russell, Starpoint High School, Lockport NY). See glowing chunks of lava tumble down the slopes of the Italian volcano Stromboli during a 2003 eruption. Located between Sicily and the Italian mainland, the restive mountain is one of the world's most active volcanoes, spurring debris several times an hour. Take a virtual hike up to the peak and excavate its geology and history at Stromboli Online, hosted by Italian researchers Roberto Carniel and Marco Fulle and Swiss teacher Jürg Alean. A primer traces Stromboli's formation from the time it pushed above the sea some 160,000 years ago. The volcano has been shooting off continually for about 2000 years, and spectacular photos and video record some of its recent blasts. Visitors can also probe the physics of eruptions with a simulator that calculates the trajectories of Stromboli's "bombs," partly molten lava globs. Once you've scaled Stromboli, venture to other volcanoes around the world with the site's many multimedia tours. You can peer into Ethiopia's Erta Ale, which cradles a seething lava lake, and tour the Caribbean island of Montserrat, which the Soufriere Hills volcano devastated in 1995.

[www.swisseduc.ch/stromboli](http://www.swisseduc.ch/stromboli)

- 4) NATURE OF SCIENCE LESSONS Evolution & the Nature of Science Institutes, (suggested by Virginia Malone, educational consultant, Hondo, TX). The site provides over 15 lessons on those difficult to assess standards on the nature of science. One lesson called CONPTT identifies six basic easily understandable criteria for determining if something is an emerging science, a non-science, or a pseudoscience. The activity allows students to analyze a collection of paragraphs for themselves. Another activity, FLAT EARTH challenges students to provide evidence that the earth is spherical. There are some discrepant events and black box challenges. The idea that more than one answer is possible is investigated in CRIME SCENE. The lessons are easy to follow for both the teacher and the student.

**Related Links**

- More about For All
- News by rick

**Most read story about For All: Forensics in the Classroom!**

**Article Rating**

Average Score: 0  
Votes: 0

Please take a second and vote for this article:

☐ ★★★★★  
☐ ★★★★☆  
☐ ★★★☆☆  
☐ ★★☆☆☆  
☐ ★☆☆☆☆

[Cast my Vote!](#)

**Options**

[Printer Friendly](#)  
[Page](#)  
[Send to a Friend](#)

**Petrified Forest National Forest**  
Earth Science Week Activities



## Celebrate Earth Science Week at Petrified Forest National Park October 9-15, 2005

Since October 1998, the American Geological Institute has organized Earth Science Week to encourage stewardship of the Earth. This year *Geoscientists Explore our Earth* as the week focuses on Earth Science careers.

### *Earth Science Week...*

*promotes understanding and appreciation of the value of Earth Science research and its applications and relevance to our daily lives.*

Join us for the following fun activities:



#### **RANGER PROGRAMS**

**Fossil Prep Lab Tour**, 10:00am and 2:00pm Tuesday through Friday. Meet at the Painted Desert Visitor Center for this rare behind the scenes tour of paleontologists at work.

**Museum Collections Tour**, 1:00pm Tuesday, Wednesday, and Thursday. Meet at the Painted Desert Visitor Center for this rare behind the scenes tour of the park's museum collections.

**Triassic Park**, 10:00am every day. Join a ranger for a program at Rainbow Forest Museum to learn about petrified wood and the Triassic environment.



#### **SCAVENGER HUNT**

Have fun learning about Petrified Forest National Park by answering some questions and then entering your name into a free drawing for 7 grand prizes. Ask for details at Painted Desert Visitor Center or Rainbow Forest Museum.



#### **DISPLAYS AND EXHIBITS**

Hands-on exhibits at Painted Desert Visitor Center allows you to examine rocks and fossils found at Petrified Forest National Park. The *Immersive Tour into the Triassic* at Rainbow Forest Museum is an interactive computer program for all ages.

Other exhibits at Rainbow Forest Museum include plant and animal fossils, skeletons of Triassic animals, and images of the Triassic environment 225 million years ago.

For more information visit [www.nps.gov/pefo](http://www.nps.gov/pefo) or call (928) 524- 6228 ext 264.



# Petrified Forest

National Park Service  
U.S. Department of the Interior

Petrified Forest National Park  
Petrified Forest, AZ



## Celebrate *Earth Science Week* at Petrified Forest National Park by doing a fun and educational Scavenger Hunt!

Your completed scavenger hunt is your entry ticket for a drawing to win one of many prizes donated by the Petrified Forest Museum Association:

- a 500+ piece jigsaw puzzle of a colorful petrified wood cross-section,
- one of 2 *Dawn of the Dinosaurs* books,
- a *Painted Desert* poster,
- a *Petrified Forest* poster,
- one of 2 *Triassic Park* posters.

**7 prizes for 7 days!**

*Answer the following questions to qualify for a free drawing each day. Turn in your completed form at Painted Desert Visitor Center or Rainbow Forest Museum.*

1. What kind of scientist studies fossils?
2. What kind of scientist studies rocks?
3. Name the two geological layers found within the park.
4. Which landform is wider than it is tall, a *mesa* or a *butte*?
5. What natural process formed the rolling hills of the Painted Desert "badlands"?
6. What time of year would you be most likely to see water in Dry Wash?
7. Which mineral is found in the largest amount in the petrified wood?
8. What mineral causes the red color in petrified wood and the Painted Desert?
9. Name a Triassic animal that used to live in this area.
10. Where can you find fossil skeletons on display?

***Fill in your name and address on the label on the back to complete your entry for the grand prizes!***

Experience Your America



Petrified Forest National Park  
PO Box 2217  
Petrified Forest, AZ 86028

Name \_\_\_\_\_

Address \_\_\_\_\_



## What is Earth Science Week?

Since October 1998, the American Geological Institute has organized this national and international event to help the public gain a better understanding and appreciation for the Earth Sciences and to encourage stewardship of the Earth. This year *Geoscientists Explore Our Earth* during Earth Science Week, from October 9-15, 2005.

### MISSION STATEMENT

*Earth Science Week promotes understanding and appreciation of the value of Earth Science research and its applications and relevance to our daily lives.*

### OBJECTIVES

- ① To engage students in discovering the Earth sciences.
- ① To remind people that Earth science is all around us.
- ① To encourage Earth stewardship through understanding.
- ① To motivate geoscientists to share their knowledge and enthusiasm about the Earth.



National Park Service  
U.S. Department of the Interior

Petrified Forest National Park

Petrified Forest N.P.  
P.O. Box 2217  
Petrified Forest, AZ 86028

928-524-6228 phone  
928-524-3567 fax

---

## PETRIFIED FOREST N.P. News Release

Release date: Immediate  
  
Contact(s): Marge Post  
Phone number: 928- 524- 6228 x264  
Date: September 21, 2005  
Release code: NPS

### PETRIFIED FOREST NATIONAL PARK CELEBRATES EARTH SCIENCE WEEK October 9- 15, 2005

Petrified Forest, AZ – Earth Science Week is a yearly event sponsored by the American Geological Institute to help the public to better understand and appreciate earth sciences and to encourage stewardship of the earth. This year's Earth Science Week is from October 9-15, 2005 and celebrates the theme *Geoscientists Explore our Earth*. "Petrified Forest National Park is marking this event with special programs featuring the park's fascinating geology," said Superintendent Lee Baiza.

- RANGER PROGRAMS

*Triassic Park* -- 10:00 am every day. Join a ranger for a program at the Rainbow Forest Museum to learn about petrified wood and the Triassic environment.

*Fossil Laboratory Tour* – 10:00 am and 2:00 pm Tuesday through Friday, October 11-14. Learn how a paleontologist works with actual fossils collected from Petrified Forest National Park. This is a special behind-the-scenes tour! Ask for details at the Painted Desert Visitor Center.

---

#### EXPERIENCE YOUR AMERICA™

The National Park Service cares for special places saved by the American people so that all may experience our heritage.

- SCAVENGER HUNT

Have fun learning about Petrified Forest National Park by answering some questions and then enter your name for a free drawing for 7 grand prizes. Ask for details at the Painted Desert Visitor Center or Rainbow Forest Museum and Visitor Center.

- DISPLAYS AND EXHIBITS

Hands-on exhibits at Painted Desert Visitor Center allow you to touch rocks and fossils found at Petrified Forest National Park.

Exhibits at the Rainbow Forest Museum and Visitor Center include plant and animal fossils, skeletons of Triassic animals, and images of the environment 225 million years ago.

- HIKING TRAILS THAT HIGHLIGHT GEOLOGY

*Painted Desert Rim* – 1 mile round trip – Walk along the edge of a geological wonderland.

*Blue Mesa* – 1 mile loop – Drop down into the clay hills and see geology in action.

*Crystal Forest* – 0.75 mile loop – Browse through a forest of colorful petrified trees.

*Long Logs and Agate House* – 2.5 miles round trip – See exposed logs over 100ft long and visit a unique ancestral Puebloan home made of petrified wood.

*Giant Logs* – 0.4 mile loop – Visit one of the largest logs in the park, “Old Faithful.”

For more information call (928) 524-6228 weekdays, 8:00 a.m. to 4:00 p.m. Mountain Standard Time; or write to the Superintendent, Petrified Forest National Park, P.O. Box 2217, Petrified Forest, AZ 86028; or e-mail the park Superintendent at [PEFO\\_Superintendent@nps.gov](mailto:PEFO_Superintendent@nps.gov). Our website has more news and press releases at [www.nps.gov/pefo/pphtml/news.html](http://www.nps.gov/pefo/pphtml/news.html).

**Rocky Mountain Dinosaur Resource Center**  
Woodland Park, CO

Earth Science Week At The Rocky Mountain Dinosaur Resource Center

**Subject:** Earth Science Week At The Rocky Mountain Dinosaur Resource Center  
**From:** "Tracie Bennitt" <tracie@rmdrc.com>  
**Date:** Tue, 4 Oct 2005 11:40:07 -0600  
**To:** <info@earthsciweek.org>



Hi. Here's the information on Earth Science Week at The Rocky Mountain Dinosaur Resource Center in Woodland Park, CO.  
Regards,  
Tracie Bennitt  
Marketing & Events Coordinator  
Rocky Mountain Dinosaur Resource Center  
[www.rmdrc.com](http://www.rmdrc.com)  
[tracie@rmdrc.com](mailto:tracie@rmdrc.com)  
719-686-1820 x112 8am-5pm MT  
201 S. Fairview St., Woodland Park, CO, USA 80863

FOR IMMEDIATE RELEASE: Call Tracie at 686-1820 X112 with questions.

**Earth Science Week with the Dinosaurs**

Join the Rocky Mountain Dinosaur Resource Center as they celebrate Earth Science Week October 9-15, 2005. This year the theme for Earth Science Week is "Geoscientists Explore the Earth."

Activities will include Mad Science shows, guest lectures, fossil making, shale splitting and fossil rubbings on Oct. 9 and 15, special presentations available for school tours, and after school activities (call 686-1820 X112 to reserve space). Visit [www.rmdrc.com](http://www.rmdrc.com) for times and additional information.

**Sunday, Oct 9 Kick Off Day Earth Science Week 2005**

public tours 10 am & noon

Mad Science Shows 11 am & 2 pm

Guest Lecture 1 pm (Dr. Dimitri Klebe "60 Minutes in Space" & Guest Lecture 3:30 pm

All day activities to include: fossil making, shale splitting, fossil rubbings

**Monday, Oct 10 thru Friday, Oct 14**

\* Mad Science shows available to school groups booking tours for additional cost of \$3 per student

\* Guest lectures available with paleontologist, geologist, teacher, Earth Science professionals, rangers, astronomer etc.

\* After school activities from 4 pm to 5 pm each day. Cost \$5 per child. One hour program includes a lecture about a specific aspect of Earth Science and a hands on activity.

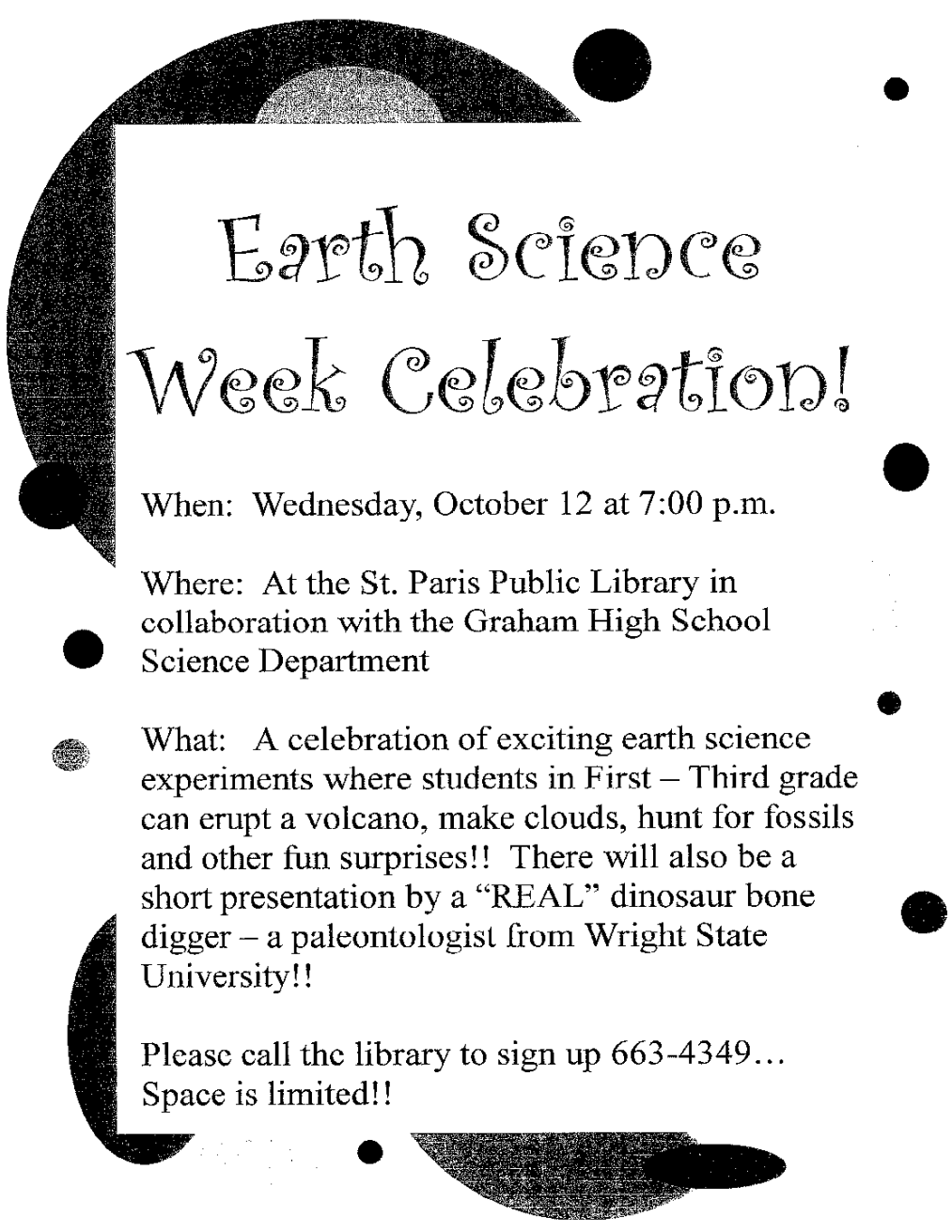
**Saturday, Oct 15 Closing Day Earth Science Week 2005**

public tours 10 am, noon & 5 pm

Mad Science Shows 11 am & 2 pm

Guest Lecture 1 pm & 3:30 pm

St. Paris Public Library  
St. Paris, OH



# Earth Science Week Celebration!

When: Wednesday, October 12 at 7:00 p.m.

Where: At the St. Paris Public Library in  
collaboration with the Graham High School  
Science Department

What: A celebration of exciting earth science  
experiments where students in First – Third grade  
can erupt a volcano, make clouds, hunt for fossils  
and other fun surprises!! There will also be a  
short presentation by a “REAL” dinosaur bone  
digger – a paleontologist from Wright State  
University!!

Please call the library to sign up 663-4349...  
Space is limited!!

**Santa Barbara Museum of Natural History**  
Santa Barbara, CA



3<sup>rd</sup> Annual Earth Science Fair: Geoscientists Explore Our Earth  
Sunday, October 2  
1:00-4:00PM

Celebrate National Earth Science Week at the Santa Barbara Museum of Natural History! Join us for a wide array of activities focused on exploring earth sciences.

Fun for all ages!

- Enjoy the hands-on Children's Area
- Learn about earthquakes and tsunamis
- Take a guided geology walk
- See new Planetarium shows
- Touch a real meteorite from outer space

Sponsored by



Included with Museum admission.

**School of Ocean and Earth Science and Technology (SOEST)**  
University of Hawaii Earth Science Week Activities

The *Hot Spot* for COOL SCIENCE!  
8th Biennial SOEST Open House

**Friday, October 14, 2005 9am - 2pm & Saturday, October 15, 11am - 3pm**

The School of Ocean and Earth Science and Technology (SOEST) at the University of Hawaii at Manoa is pleased to announce that the 8th SOEST Open House will be held on Friday, October 14, 2005 (9:00am to 2:00pm) and Saturday, October 15, 2005 (11:00am to 3:00pm). On behalf of the Dean of SOEST and the Open House Planning Committee, we would like to invite you and your class to attend this year's Open House.

SOEST is home to the academic departments of Oceanography, Geology and Geophysics, Meteorology, and Ocean and Resources Engineering, as well as several related research institutes. SOEST's graduate programs in these sciences are highly ranked nationally and SOEST brings in close to \$70 million dollars in research funding per year.

The SOEST Open House presents a diverse array of entertaining and educational "hands-on" activities, which highlight the research conducted by our faculty, students, and staff.



FOR IMMEDIATE RELEASE

THURSDAY OCTOBER 8<sup>TH</sup>, 2005

**SOEST Media Contact: Tara Hicks Johnson**  
Phone: (808) 956-3151, [hickst@hawaii.edu](mailto:hickst@hawaii.edu)

### **SOEST Hosts Open House – The HOT SPOT for COOL Science!**

**WHAT:** The School of Ocean and Earth Science and Technology (SOEST) at the University of Hawaii will host its eighth biennial Open House. The theme for this year's event is "SOEST: The **HOT SPOT** for **COOL SCIENCE!**". This free event features a diverse collection of hands-on demonstrations that highlight the Ocean, Earth, Atmosphere and Space Sciences and work in progress by our faculty, students, and staff.



**WHEN:** Friday October 14<sup>th</sup>, 9am – 2pm (Schools)  
Saturday, October 15<sup>th</sup>, 11am – 3pm (General Public)

**WHERE:** University of Hawaii Manoa Campus, in and around the Pacific Ocean Science & Technology (POST) building, the Marine Science Building, and the Hawaii Institute of Geophysics building.

**PROGRAM:** Activities will include interactive demonstrations, videos, poster presentations, laboratory tours, state-of-the-art computer animation, high-tech equipment displays, and creative learning activities for all.

For more information (including maps and programs), please see the Open House web site:

<http://www.soest.hawaii.edu/openhouse/>

***This event is free and open to the Public.***

**BACKGROUND:**

SOEST was formed in 1988 and incorporates the Departments of Oceanography, Ocean and Resources Engineering, Meteorology, and Geology and Geophysics. It includes several research units: the Hawaii Institute of Geophysics and Planetology, the Hawaii Institute of Marine Biology, the Hawaii Natural Energy Institute, the Hawaii Undersea Research Laboratory, the Joint Institute for Marine and Atmospheric Research, the International Pacific Research Centers, as well as Hawaii Sea Grant College and Hawaii Space Grant.

SOEST Open House: The HOT SPOT for COOL SCIENCE!





## ***Celebrate Earth Science Week at UConn!***

*With the following events:*

---

**Saturday, October 8th,** *'Dimensions in Geosciences' Symposium.*  
**9am-4pm, Beach Hall 317.** 6 speakers. Registration Required (free!)-  
lunch provided for all registered participants. Email  
[geology@uconn.edu](mailto:geology@uconn.edu) to sign up!

**Wednesday, October 12th,** Earth Science Week (free!)  
Pizza Luncheon, with Bob Berner (Teale Lecturer) and James  
Edson. Dr. Edson will lead a discussion with a short  
presentation on *'CO<sub>2</sub> Exchange: Is the Ocean a Source or  
Sink?'* **Noon -1:30pm, 209 Beach Hall.**

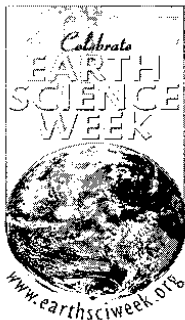
**Wednesday, October 12th,** *' Trees and the late Paleozoic,  
O<sub>2</sub>, CO<sub>2</sub>, and Climate Evolution'* Lecture by Bob Berner, Yale  
University. **4pm, Konover Auditorium.**

**Friday, October 14th,** *'What Does Height Really Mean?  
How to Use GPS to Measure Orthometric Heights '*, Workshop  
by Tom Meyer (NRME). Contact Dr. Meyer for more details:  
[thomas.meyer@uconn.edu](mailto:thomas.meyer@uconn.edu)

---

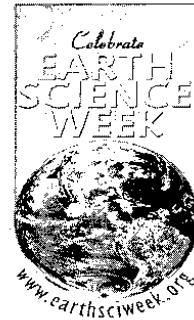
**Also, take part in AGI's Earth Science Week Photography  
Contest - \$300 prize for the winner!**

<http://www.earthsciweek.org/contests/photography/index.html>



The Theme for this year's Earth Science Week  
is *'Geoscientists Explore our Earth!'* To find out more  
about geoscience careers, as well as geoscience  
programs at UConn, visit the Center for  
Integrative Geosciences located in Beach Hall  
(Main Office 207).

***Earth Science Week is run by the  
American Geological Institute***



**University of Texas, El Paso**  
Earth Science Week Activities



### **Watch Out, El Paso!**

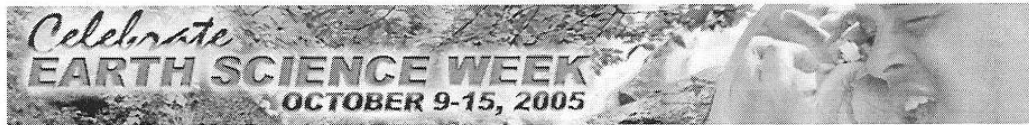
*Earth Science Week brings Earthquakes, Volcanic Eruptions and Moon Rocks to UTEP*

Earth Science week at UTEP will bring a host of natural disaster demonstrations and out-of-this-world objects to the University from Sunday, Oct. 9 through Friday, Oct. 14.

Throughout the week-long event, a moon rock from NASA's Johnson Space Center will be on display on the first floor of the Geological Sciences Building. Guests to campus will also have a chance to view demonstrations of volcanic eruptions and the waves of an earthquake, hear presentations on the history of the Rio Grande and learn about the dinosaurs that roamed the Paso del Norte region millions of years ago.

The week will kick off at noon on Sunday, Oct. 9 with a **free** barbeque, with the first earth science activities from 1 to 4 p.m. Additional demonstrations and presentations will take place from 1 to 5 p.m. Wednesday, Oct. 12 and from 9 a.m. to 1 p.m. Friday, Oct. 14. The week will conclude with a showing of the movie "Volcano" and *free popcorn* at 7 p.m. Friday, Oct. 14. All activities will take place in the Geological Sciences Building. *The schedule of events is attached.*

The week-long event is sponsored by the UTEP Geological Sciences Department, the American Geological Institute, NASA, Shell Oil and the National Science Foundation's (NSF) Pathways into the Geosciences. **All events are free and open to public.**



Sunday, October 9<sup>th</sup>:

Kick off at Noon:

- FREE BBQ
- SGE Rock and mineral kits, For Sale \$15/ea.

1:00 pm:

- Half-hour tours of KIDD Seismic Observatory (every half-hour until 3pm)
- Viscosity Races – demonstration of how lava flows, Geology 210
- “Minerals and their role in our lives”, Geology 218

1:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 202
- GeoWall, a 3-D visualization of the earth, Geology 302
- “Minerals and their role in our lives”, Geology 218

2:00 pm:

- Viscosity Races – demonstration of how lava flows, Geology 210
- GeoWall, a 3-D visualization of the earth, Geology 302
- Hydrology demonstration, Geology 216

2:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 202
- GeoWall, a 3-D visualization of the earth, Geology 302
- Hydrology demonstration, Geology 216

3:00 pm:

- Viscosity Races – demonstration of how lava flows, Geology 210
- “Minerals and their role in our lives”, Geology 218
- Slinky waves – demonstrates how waves move through the earth, Geology 216

3:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 202
- “Minerals and their role in our lives”, Geology 218
- Slinky waves – demonstrates how waves move through the earth, Geology 216



Wednesday, October 12<sup>th</sup>:

1:00 pm:

- Viscosity Races – demonstration of how lava flows, Geology 210

1:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 222
- Neutron activation demonstration, Geology 121

2:00 pm:

- Viscosity Races – demonstration of how lava flows, Geology 320
- Neutron activation demonstration, Geology 121

2:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 222
- Half-hour tours of KIDD Seismic Observatory (every half-hour until 5pm)
- “The Stories that rocks tell”, Geology 401

3:00 pm:

- GeoWall, a 3-D visualization of the earth, Geology 302
- “Minerals and their role in our lives”, Geology 216

3:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 222
- GeoWall, a 3-D visualization of the earth, Geology 302
- “The History of the Rio Grande River”, Geology 123 (1 hr.)
- Slinky waves – demonstrates how waves move through the earth, Geology 404

4:00 pm:

- Viscosity Races – demonstration of how lava flows, Geology 320
- GeoWall, a 3-D visualization of the earth, Geology 302
- “Minerals and their role in our lives”, Geology 216
- Slinky waves – demonstrates how waves move through the earth, Geology 404

4:30 pm:

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 202
- “Minerals and their role in our lives”, Geology 216
- GeoWall, a 3-D visualization of the earth, Geology 302



**Friday, October 14<sup>th</sup>:**

**9:00 am:**

- Viscosity Races – demonstration of how lava flows, Geology 210
- “The Stories that rocks tell”, Geology 401
- Dinosaurs in El Paso, Geology 123

**9:30 am:**

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 202
- Slinky waves – demonstrates how waves move through the earth, Geology 216

**10:00 am:**

- Google Earth demonstration, Geology 302
- Slinky waves – demonstrates how waves move through the earth, Geology 216
- Viscosity Races – demonstration of how lava flows, Geology 210

**10:30 am:**

- Liquid nitrogen experiment- Brittle vs. Ductile deformation in the earth, Geology 202
- Google Earth demonstration, Geology 302
- Seismic experiment demonstration – seeing what’s beneath our feet, Geology South lawn

**11:00 am:**

- Slinky waves – demonstrates how waves move through the earth, Geology 216
- Seismic experiment demonstration – seeing what’s beneath our feet, Geology South lawn
- Hydrology demonstration, Geology 216
- Google Earth demonstration, Geology 302

**11:30 am:**

- Slinky waves – demonstrates how waves move through the earth, Geology 216
- Seismic experiment demonstration – seeing what’s beneath our feet, Geology South lawn
- Hydrology demonstration, Geology 216
- “Minerals and their role in our lives”, Geology 222
- Google Earth demonstration, Geology 302

**12:00 pm:**

- Seismic experiment demonstration – seeing what’s beneath our feet, Geology South lawn
- “Minerals and their role in our lives”, Geology 222
- Hydrology demonstration, Geology 216

**12:30 pm:**

- “Minerals and their role in our lives”, Geology 222
- Hydrology demonstration, Geology 216

**7:00 pm:**

**Earth Movie Night, Geology 123**

**Free popcorn** for the showing of “Volcano” starring Tommy Lee Jones

## Utah Geological Survey Earth Science Week Activities

[utah.gov](#) | [State Online Services](#) | [Agency List](#) | [Business.utah.gov](#) |


# Utah Geological Survey

[ugs](#) / [educational resources](#) / [earth science week](#)

[What's New](#)  
[Utah Geology](#)  
[State Energy Program](#)  
[Maps Online](#)  
[Publications](#)  
[Educational Resources](#)  
[About UGS](#)  
  
[Map & Bookstore](#)  
[Library](#)

## Celebrate Earth Science Week with the Utah Geological Survey

[Winners of Poster Contest, Earth Science Week 2005](#)



### Earth Science Week 2005 Poster Contest "What Geoscientists Really Do"

The Utah Geological Survey (UGS) and the Utah Geological Association are sponsoring a poster contest to celebrate Earth Science Week.

This year's Earth Science Week theme "Geoscientists Explore Our Earth" will focus on careers in the Earth Sciences and the important contribution geoscientists make to society.

### Poster Guidelines

- The Poster Contest is open to all 4th grade students.
- Select **ONE** winner per classroom.
- Student's artwork should illustrate the theme "What Geoscientists Really Do".  
Examples might include the following careers:
  - **Mineralogists** study the formation, composition and properties of minerals.
  - **Paleontologists** study fossils to understand past life forms.
  - **Petroleum geologists** are involved in the exploration and production of oil and gas.
  - **Geomorphologists** investigate the nature, origin and development of landforms and their relationship to underlying structures.
  - **Environmental geologists** work to solve problems with urban development and hazards such as flooding and erosion.
- Poster must be original and authentic (must be the student's own work) and should be no larger than 24 X 36 inches.
- A copy of the entry form must be filled out and securely fastened to the back of each poster. [Click here for entry form \(pdf\)](#).
- **Entries must be postmarked no later than September 22, 2005.**
- Winners will be announced September 28, 2005.

### Prizes

- **16 Winning Classrooms** will be awarded a reserved spot to attend the 2005 "Earth Science Week" activities at the UGS Utah Core Research Center, October 11-14.
- **The Top 3 Entries** will be awarded paid bus fare to attend the activities at the UGS
- **Winning Entries** will be displayed on the UGS Website.

For more information contact Nancy Carruthers: [nancycarruthers@utah.gov](mailto:nancycarruthers@utah.gov), 801.537.3346.

## 2004 Earth Science Week A Huge Success!

Earth Science Week was a huge success in 2004; 950 students and 19 school groups participated in activities hosted by the Utah Geological Survey. The American Geological Institute (AGI) initiated Earth Science Week in 1998 to increase public understanding and appreciation of the earth sciences.

These photographs show how we celebrated Earth Science Week during the week of October 18-22, 2004. Thanks to all the volunteers, schools, and teachers who participated and helped make Earth Science Week in Utah a big success.

For further information on Earth Science Week activities in other states, visit the AGI website at [www.earthsciweek.org](http://www.earthsciweek.org).



On your mark, get set ... GO!



... and pan for "gold."



Erosion & Deposition:  
students find the stream  
trailer exciting, especially  
when they see mudslides,  
dam failures, and flooding.





Students discover how paleontologists work on dinosaur bones in the lab.



Rocks, rocks, & more rocks. Students observe igneous, metamorphic, and sedimentary rock types.

The Utah Geological Survey hosts hands-on activities for school groups to celebrate Earth Science Week\* during October.

Groups are scheduled for 1 ½ - hour sessions, during which they will pan for “gold,” see how fossils are excavated, learn about rocks and minerals, and observe stream erosion and deposition.

For more information, please contact Sandy Eldredge at 801-537-3325, [sandyeldredge@utah.gov](mailto:sandyeldredge@utah.gov).

2004 Earth Science Week Declaration signed by Governor Olene S. Walker.

\* Earth Science Week is celebrated the second full week of October throughout the nation as well as in other countries. The purpose is to increase public understanding and appreciation of the Earth sciences. Launched in 1998 by the American Geological Institute (AGI), efforts have grown on local, national, and international levels to highlight the vital role Earth sciences play in society's use of resources and interaction with the environment. For more information about Earth Science Week, visit the AGI's web site at [www.earthsciweek.org](http://www.earthsciweek.org).



[DNR](#) | [Utah.gov](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)  
Copyright © 2005 State of Utah



*Association of Women Geoscientists*  
Email News  
March 2005

AWG E-MAIL NEWS 2005-13

CONTENTS

- 1) AGI ANNOUNCES EARTH SCIENCE WEEK THEME AND NEW NATIONAL CONTESTS FOR 2005
- 2) POSITION OPENING  
2005-65 Utah Geological Survey - Senior Geologist (Technical Reviewer)
- 3) CONTACT INFORMATION

Thanks to everyone who contributed to this issue of E-mail News

- 1) AGI ANNOUNCES EARTH SCIENCE WEEK THEME AND NEW NATIONAL CONTESTS FOR 2005

The American Geological Institute (AGI) announces the theme for Earth Science Week 2005: "Geoscientists Explore the Earth." Focusing on the wide variety of careers available in the geosciences and the contributions geoscientists make to society, this theme will raise awareness among students and the public of the exciting opportunities to work in the field. Earth Science Week takes place October 9-15, 2005.

Earth Science Week 2005 will mark the eighth year that AGI has sponsored this international event as a service to the public and the geoscience community. Each year, local geoscience organizations, educators and interested individuals organize events to celebrate Earth Science Week.

The week was developed to give the public new opportunities to discover the Earth sciences and stewardship of the Earth, as well as highlight the important contributions the earth and environmental sciences make to society. Earth Science Week is supported by the U.S. Geological Survey. To learn more about this event, visit [www.earthsciweek.org](http://www.earthsciweek.org).

In the United States, special events for Earth Science Week will include three national contests, hosted by AGI. The contests encourage students and the public to become involved in Earth Science Week by submitting artwork, an essay or a photograph. Entries must be received by October 1, 2005. A grand prize winner in each category will win \$300 and a one-year subscription to Geotimes, AGI's monthly news magazine for the Earth sciences.

**Visual Arts:**  
Students in grades K-5 are eligible to compete in the Visual Arts Contest. They should make a drawing, collage or other 2-dimensional piece of artwork that illustrates the theme "Earth Jobs." Students should depict themselves as geoscientists, engaged in a career they might like to have in the Earth sciences. The artwork should also show some of the scientific tools that would be used in the chosen career. Submissions should be flat and no larger than 24 x 36 inches.

**Essay:**  
Students in grades 5-8 are encouraged to compete in the Essay Contest. Submissions should answer the question: "What kind of geoscientist would you like to be, and why?" Essays should be fewer than 500 words in length and should be based on student research about a particular career in the Earth sciences. Students might imagine themselves as geoscientists, explaining the reasons they are interested in their chosen careers.

**Photography:**  
The Photography Contest is open to the general public. Submissions should illustrate the theme "Extreme Earth Science" by showing an exciting Earth science subject or geoscientists in an amazing location or

situation. Examples might include (but are not limited to) geology field trips to exotic locations, unique geological samples, or photos that capture the breathtaking beauty of the Earth. The goal is to create pictorial evidence of why Earth science is an exciting field to study. Photographs of children under age 18 must be accompanied by a parental consent form that can be found on [www.earthsciweek.org/contests](http://www.earthsciweek.org/contests). Submissions can include print or digital photographs.

More information on the Earth Science Week contests, including rules and submission guidelines, can be found at <http://www.earthsciweek.org/contests>.

*Association of Women Geoscientists*  
Email News  
September 2005

```

*****
AWG E-MAIL NEWS 2005-19
*****
CONTENTS
1)      AGI GOVERNMENT AFFAIRS MONTHLY REVIEW - AUGUST 2005
2)      EARTH SCIENCE WEEK 2005: FREE KIT, NEW RESOURCES, EMERGING TRENDS
3)      POSITION OPENINGS
        2005-057 James Madison University - Applied, Shallow Earth, Geophysics
        2005-080 San Diego State University - Stratigraphy/Sedimentology and
Low-    Temperature Geochemistry
        2005-083 Iowa State University - Surface Hydrology
4)      CONTACT INFORMATION
*****
Thanks to everyone who contributed to this issue of E-mail News
*****

```

2) EARTH SCIENCE WEEK 2005: FREE KIT, NEW RESOURCES, EMERGING TRENDS

ALEXANDRIA, VA -- To celebrate Earth Science Week 2005 (October 9-15), the American Geological Institute (AGI) is providing dozens of free, new educational resources to boost awareness about the geosciences and the many exciting career opportunities in the field.

Educators, parents, and interested citizens are invited to order a free \*Earth Science Week Kit\* (plus \$4.95 shipping and handling), which includes posters, DVDs, CD-ROMs, maps, fliers, contest details, fun learning activities linked to the National Science Education Standards, information tailored for Spanish-speaking audiences, and much more. Order online at [www.earthsciweek.org](http://www.earthsciweek.org).

Also part of the kit is the Earth Science Week 2005-06 School-Year Calendar. This new resource features full-color photos, detailed learning activities, science event listings, famous dates in earth science history, and information on earth science careers. The calendar is just one of the many print and electronic resources offered by AGI.

During Earth Science Week, your community can explore how the Earth's systems interact with your local natural and human environment. Such activities include sampling groundwater, monitoring the weather, visiting science centers, and conducting experiments in classrooms. The ability to make scientifically-informed decisions is vital to a healthy and productive environment and economy. Earth Science Week participation helps build science knowledge and skills at home, school, and the office.

The theme of Earth Science Week 2005 - "Geoscientists Explore the Earth" - focuses on career opportunities in the geosciences. The trend toward increasing demand for earth science professionals in the next decade is led by the Baby Boomers' escalating retirements and new opportunities in energy and mineral resources and environmental stewardship.

AGI established Earth Science Week in 1998 to promote public awareness of the earth sciences and stewardship of the Earth. Last year, the Earth Science Week celebration included more than 1.7 million people worldwide - and this year's event promises to reach even more. Resources and events are sponsored by the U.S. Geological Survey, the American Association of Petroleum Geologists Foundation, and the National Park Service, with additional support from NASA, NOAA, and many more organizations. To learn more, visit [www.earthsciweek.org](http://www.earthsciweek.org).

***NASA Science Mission Directorate – Earth Science Education Update***  
Email Newsletter  
March 2005

**BEYOND NASA**

- (7) DLESE 2005 -- July 9-12, 2005, St. Petersburg, Fla.  
Call for Interest/Travel Support Requests Deadline: April 12, 2005
- (8) AGU Seeks Interest in New Focus Group for Informatics for Earth and Space Sciences
- (9) Earth Science Week 2005: *Geoscientists Explore Our Earth*, October 9-15, 200
- (10) OceanAGE Virtual Take Our Daughters and Sons to Work Day April 28, 2005
- (11) Dive Into Education Marine Science Workshop: Tybee Island, Georgia, May 13-14, 2005  
Application Deadline: April 8, 2005
- (12) SERC Seeks Feedback on Starting Point Website
- (13) International Space University Summer Session, June 22-August 24, 2005, Vancouver, Canada:  
Application Deadline: June 1, 2005
- (14) Call for Papers: Workshop on Climate, Climatic Change, and Human Health, Wengen,  
Switzerland, Sept. 12-14, 2005
- (15) Learning and the Environment Conference, June 1-2, 2005

(9) EARTH SCIENCE WEEK 2005: *GEOSCIENTISTS EXPLORE OUR EARTH*,  
October 9-15, 2005  
*Geoscientists Explore Our Earth*, will focus on careers in the Earth Sciences and on the important contributions that geoscientists make to society. There are different kinds of geoscientists: hydrologists, geochemists, astronauts, museum curators, soil scientists, sedimentologists, teachers and

many more. Learn about careers in Earth Science by participating in Earth Science Week - students and adults alike will learn about the exciting careers of those who explore our Earth.

The American Geological Institute (AGI) and its partners are putting together a packet of materials to help teachers, students and the general public celebrate Earth Science Week, October 9-15, 2005. This year's Earth Science Week Information kits will be available in August 2005, and will include a new poster about NASA Earth Explorers, as well as materials from NOAA, National Weather Service, and many others. Check the Earth Science Week website in August at <http://www.earthsciweek.org> to get your kit.

Submissions are still being accepted for the 2005 kits! Do you or your organization have something that would be great to include? Contact [info@earthsciweek.org](mailto:info@earthsciweek.org) to discuss adding your materials to the kits.

***NASA Science Mission Directorate – Earth Science Education Update***  
Email Newsletter  
June 2005

**BEYOND NASA**

- (9) AGI kicks off Earth Science Week national contests (entries due: Oct. 7)
- (10) NOAA launches Hidden Ocean Expedition Web site
- (11) Careers in the Geosciences and Beyond
- (12) Applications invited for Toyota Environmental Activities Grant Program (deadline: July 8)
- (13) IAI - Inter-American Institute for Global Change Research Training Institutes (application deadline: Aug. 15)

**(9) AGI KICKS OFF EARTH SCIENCE WEEK NATIONAL CONTESTS**

Entries due: October 7, 2005

To encourage students and the public to become involved in the 2005 Earth Science Week, the American Geological Institute (AGI) will host three national contests: Visual Arts (K-5), Essay (grades 5-8) and Photography (open to all). All three contests promote activities related to this year's Earth Science Week theme: Geoscientists Explore the Earth. Entries must be received by Oct. 7. A grand prize winner in each category will win \$300 and a one-year subscription to Geotimes, AGI's monthly newsmagazine for the Earth sciences. More information on the Earth Science Week contests, including rules and submission guidelines, can be found at <http://www.earthsciweek.org/contests>.

**(11) CAREERS IN THE GEOSCIENCES AND BEYOND**

Not every student of geology becomes a geoscientist. People with geoscience degrees have gone on to become doctors, lawyers, businessmen, artists and even politicians. Do you or your students want to find out more about what a geoscientist does? AGI is currently updating and redesigning a Web site that will summarize career information for the geosciences in time for Earth Science Week this fall. In the meantime, you can visit the Earth Science World Web site (<http://www.earthscienceworld.org>) careers section, or read Geotimes magazine for information about unusual geoscience careers, articles for students, and other helpful career links (<http://www.geotimes.org/careers.html>).

***NASA Science Mission Directorate – Earth Science Education Update***  
Email Newsletter  
August 2005

**UPDATE FROM NASA**

- (1) NASA Earth Science Education Welcomes Cassie Soeffing
- (2) Pilot Testers Sought for EarthTutor
- (3) MS PHD'S 2005 Program Announcement (Deadline: Oct. 1)
- (4) GLOBE Contrail Count-a-thon -- October 13, 2005
- (5) Looking at Clouds from Both Sides: Clouds in Art and Science (Oct. 13 & 14)
- (6) Become a NASA Explorer School (Deadline: Jan. 31)
- (7) NASA Earth Explorers – Seeing Green
- (8) ESSE-21 Annual Meeting Update

**(4) GLOBE CONTRAIL COUNT-A-THON -- OCTOBER 13, 2005**

The 3rd Annual GLOBE Contrail Count-a-thon will be held on October 13th, 2005, during Earth Science Week.

Clouds are the largest variable controlling Earth's global climate and also the main sources of uncertainty for scientists studying the atmosphere. One cloud type remains a major challenge, and of major interest: contrails. Also known as 'condensation trails,' these are linear clouds produced in the wake of jet aircraft. Since contrails are difficult to study using satellite data, student observers are invited to help scientists by observing contrails in their area and reporting on the amount and type of contrails present.

Sky observation reports are welcome from all interested observers sometime between 11am and 1pm local time on Oct. 13. For more information visit the Contrail Education Website:

<http://asd-www.larc.nasa.gov/GLOBE>. Be sure to click on 'Fall 2005 Contrail Count-a-thon' for the Contrail Education Newsletter loaded with educational resources for upper elementary-high school.

To learn about more events during Earth Science Week 2005, or to order an ESW Information kit visit: <http://www.earthsciweek.org>.

## ***NASA Science Mission Directorate – Earth Science Education Update***

Email Newsletter

September 2005

### **UPDATE FROM NASA**

- (1) NASA Hosts ASTC "IGY + 50" Education and Public Outreach Focus Group (Oct. 17)
- (2) Join NASA at 2005 ASTC Conference (Oct. 15-18)
- (3) Earth Science Week 2005: October 13 Contrail Count-a-Thon
- (4) GLOBE Web Forum Will Highlight NASA CALIPSO and CloudSat (Oct. 17-21)
- (5) Educator Workshop - NASA Satellites Study Earth's Atmosphere (Deadline: March 10)
- (6) 2005-06 Odyssey of the Mind: The Jungle Bloke
- (7) NASA Earth Explorers – Equal to the Task
- (8) Hurricane Resources and Articles

- NASA Hurricane Resource Page
- Flooding in the Aftermath of Hurricane Katrina
- Researchers Explore Mystery of Hurricane Formation
- Envisat and ERS-2 Reveal Hidden Side of Hurricane Rita
- Heat in the Gulf
- NASA Satellites Record a Month for the Hurricane History Books
- Massive Oil Spills Stain Louisiana

### **(4) EARTH SCIENCE WEEK 2005: OCTOBER 13 CONTRAIL COUNT-A-THON**

In recognition of Earth Science Week, the GLOBE Program and NASA invite you to join in a scientific exploration on Thursday, October 13, 2005, to observe the sky over your area and report on the presence or absence of contrails. Teachers, students, and anyone interested in helping to develop a better understanding of Earth are welcome to participate.

Contrails are cirrus clouds formed when water vapor condenses and freezes around small particles (aerosols) in aircraft exhaust. Some of the water vapor comes from the surrounding air, some from the aircraft exhaust. Contrails, especially thin ones, are very hard to see from satellites and may have an impact on Earth's atmosphere. In order to improve contrail prediction models, scientists need observations both of contrail occurrence and absence.

Visit <http://www.globe.gov/earthsciweek2005> for more information on contrails and clouds.

Instructions on how to participate in this event and report your information can also be found at this Website. The observations that are reported will be tallied and analyzed by NASA scientists looking for clues to contrail prediction. A report on their findings will be posted to the Website.

The Earth Science Week 2005 Contrail Count-a-Thon is an opportunity to become involved in a hands-on, real-world science experiment and learn more about the GLOBE Program. For information on GLOBE, visit <http://www.globe.gov>.

*Triangle Coalition Electronic Bulletin (TCEB)*  
September 29, 2005

\*T C E B\*  
\*Triangle Coalition Electronic Bulletin  
\*September 29, 2005 Volume 11, Number 37  
\*\*

Published by the \*\*\*  
\*\*Triangle Coalition for Science and Technology Education\*  
\*\* \*\*\*

\* \*  
\*/\*\*/\*  
\*\*

Issue Sponsors:  
The Medtronic Foundation and Triangle Coalition \*\*

\*\*\*\*\*  
\*\*\*\*\*/ \*\*\*\*/ /

\*\*\*  
\*\*\*\*\*  
/\*This Week's Topics:\*/  
\*/\*

\*\*

\*\*\*-- \*\*TURNING TECHNOLOGISTS INTO TEACHERS\*

\*\*\*-- \*\*FCC TAKES STEPS TO ASSIST IN HURRICANE KATRINA DISASTER RELIEF\*

\*\*\*-- \*\*SECRETARY SPELLINGS ANNOUNCES ADDITIONAL SUPPORT FOR TEACHERS \*

\*\*\*-- \*\*ONLINE ASSESSMENT IN MATHEMATICS AND WRITING\*

\*\*\*-- \*\*THINKQUEST INTERNATIONAL 2006 CHALLENGES STUDENTS TO BUILD  
EDUCATIONAL WEBSITES \*

\*\*\*-- \*\*GRADUATE ENROLLMENT IN ENGINEERING AND SCIENCE RISES\*

\*\*\*-- \*\*ANNUAL WEEK OF THE CLASSROOM TEACHER CELEBRATIONS \*

\*\*\*-- \*\*QUALIFICATIONS DECLINE AMONG EARLY CHILDHOOD EDUCATION TEACHERS\*

\*\*\*-- \*\*EARTH SCIENCE WEEK 2005 CONTRAIL COUNT-A-THON\*

\*\*\*\*-- \*\*TCEB LINKS\*\*

\*\*-- EARTH SCIENCE WEEK 2005 CONTRAIL COUNT-A-THON\*\*

\*\* \*\*

\*\*In recognition of Earth Science Week (October 9 - 15), the GLOBE Program and Triangle Coalition member, NASA, are encouraging teachers and students to join in a scientific exploration on Thursday, October 13, 2005, to observe the sky and report on the presence or absence of contrails. Contrails are cirrus clouds formed when water vapor condenses and freezes around small particles (aerosols) in aircraft exhaust. Some of the water vapor comes from the surrounding air, some from the aircraft exhaust. Contrails, especially thin ones, are very hard to see from satellites, and may have an impact on Earth's atmosphere. In order to improve contrail prediction models, scientists need observations both of contrail occurrence and absence. Visit [www.globe.gov/earthsciweek2005](http://www.globe.gov/earthsciweek2005) for more information on contrails and clouds, and how to participate in the "Contrail Count-A-Thon." For more information about Earth Science Week, visit [www.earthsciweek.org](http://www.earthsciweek.org).\*\*



## Triangle Coalition Electronic Bulletin (TCEB)

December 1, 2005

\*T C E B\*

\*Triangle Coalition Electronic Bulletin  
\*December 1, 2005 Volume 11, Number 45

\*\*

Published by the \*\*\*

\*\*Triangle Coalition for Science and Technology Education\*

\*\* \_\_\_\_\_ \*\*\*

\*

\* \*

\*/\*\*/\*

\*\*

Issue Sponsor:

The ADC Foundation \*\*

\*\*\*\*\*

\*\*\*\*\*/ \_\_\_\_\_ /\*\*\*\*/ /

\*\*

\*\*\*//

\*\*\*\*\*

/\*This Week's Topics:\*/

\*//\*

\*\*

-- \*NEW STUDY FINDS U.S. MATH STUDENTS CONSISTENTLY BEHIND THEIR PEERS AROUND THE  
WORLD \*\*

\*\*\*-- \*RAISING ACHIEVEMENT: A NEW PATH FOR NO CHILD LEFT BEHIND \*\*

\*\*\*-- \*ANS SPONSORS TEACHER WORKSHOP ON NUCLEAR SCIENCE EDUCATION\*\*

\*\*\*-- \*RAYTHEON HELPS KIDS MAKE THE GRADE IN MATH AND SCIENCE \*\*

\*\*\*-- \*AGI ANNOUNCES WINNERS OF EARTH SCIENCE WEEK 2005 CONTESTS\*\*

\*\*\*-- \*NEW TEACHERS IN ARIZONA MUST PROVE SKILLS VIA VIDEOTAPE\*\*

\*\*\*-- \*IOWA MIDDLE SCHOOL SCIENCE TEACHER NAMED WAL-MART'S NATIONAL TEACHER OF THE  
YEAR\*\*

\*\* \*\*

\*\*\*-- NEW STUDY FINDS U.S. MATH STUDENTS CONSISTENTLY BEHIND THEIR PEERS AROUND THE  
WORLD \*

\*-- AGI ANNOUNCES WINNERS OF EARTH SCIENCE WEEK 2005 CONTESTS\*

\* \*

\*Triangle Coalition member, the American Geological Institute (AGI), has announced the 2005 Earth Science Week contest winners. The contests encourage the public to participate in this annual celebration, which recognizes the importance of the earth sciences in our lives. Brandy Anglen, of Fresno, CA, won the Photography Contest with her photo of scientists testing water for sulfur isotopes on Lake Hoare in the McMurdo Dry Valleys of Antarctica. James Pugh, of Elgin, SC, won the Visual Art Contest with his work entitled "Volcanologists: It's a Hot Job." And, Robert Kendle, of Phoenix, AZ, won the Essay Contest with "The Big Dream." Kendle's essay described his love of paleontology and the career he hopes to pursue in this field. All submissions were judged by a panel of geoscientists on creativity, incorporation of the topic, and other relevant factors. The contests represent an important part of Earth Science Week, which took place October 9-15, 2005.\*

\* \*

\*With active participation in all 50 states and around the world, Earth Science Week provides a focal point for the Earth science community's outreach to the public. The theme for Earth Science Week 2005, "Geoscientists Explore the Earth," shone a spotlight on the many exciting and rewarding career opportunities available in the geosciences. AGI ([www.agiweb.org](http://www.agiweb.org) <<http://www.agiweb.org/>>), in collaboration with its member societies and Earth Science Week sponsors, is now preparing for Earth Science Week 2006. To learn how to participate, visit [www.earthsciweek.org](http://www.earthsciweek.org) <<http://www.earthsciweek.org/>>.\*