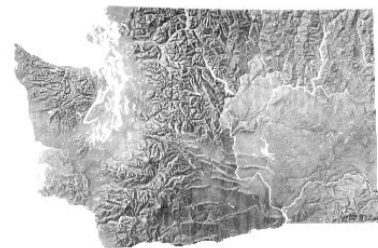


EARTH CONNECTIONS

Resources For Teaching Earth Science



NATIONAL EARTH SCIENCE WEEK OCTOBER 10-16, 1999

The American Geological Institute (AGI) is distributing the **Earth Science Week Information Kit** as part of its second annual "Earth Science Week." The kit includes book-marks, posters, and a book of ideas and activities for all grade levels, as well as National Earth Science Education Standards, ideas for events, and information about working with the media. These **free** kits are available early each year to give adequate time for preparation. (The first kit is free; additional kits cost \$3.00 each.) Order from:

Earth Science Week
American Geological Institute
4220 King St.; Alexandria, VA 22302
(703) 379-2480 phone; (703) 379-7563 fax

Or visit the websites:
<http://www.earthsciweek.org>
<http://www.agiweb.org>

AGI also offers an **Online Earth Science Education Resource Directory**. The directory includes more than 1,200 earth science education products, available **free** or at low cost from about 400 organizations in the U.S. The directory is searchable by keywords (atmosphere, biosphere, environment, etc.), by grade level, and by medium (posters, text, audiovisuals, etc.) at www.agiweb.org/ehr/resourcedirectory.html.

OTHER SOURCES . . .

- The Washington Division of Geology and Earth Resources will send you a **free** "Teacher's Packet." (See sidebar for contact information.)
- The U.S. Geological Survey also offers a **free** "Teacher's Packet" of geology materials and a **free** "Selected Packet" of geologic teaching aids. On school letterhead, request the packet you want, indicating the subject and grade level.

Mail to:
U.S. Geological Survey
Geological Inquiries Group
907 National Center
Reston, VA 22092

- The Mineral Information Institute is a nonprofit educational organization whose goal is to make **free** programs, posters, lesson plans and other mineral information available to teachers. "Everything we have and everything we use comes from our natural resources." Contact:

Mineral Information Institute
475 17th St., Suite 510
Denver, CO 80202
(303) 297-3226

- The American Coal Foundation can provide information about teacher workshops, video distribution, and **free** teacher materials. Contact:

American Coal Foundation
1130 17th St. NW, Suite 220
Washington, DC 20036
(202) 466-8630

HOW WILL YOU CELEBRATE EARTH SCIENCE WEEK?



EARTH CONNECTIONS

will provide educational resources for students of Washington's diverse and fascinating geology.

It will include:

- educator-tested lesson plans tied to essential academic learning requirements and appropriate assessments, contributed by scientists and educators,
- low-cost projects and materials,
- suggested reading,
- ideas for local field trips,
- lists of museum displays and local programs,
- and lots of other FUN STUFF for teachers and students.

MAIN OFFICE

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Publications:

geology@wadnr.gov

Webpage:

<http://www.wa.gov/dnr/htdocs/ger/ger.html>

EARTH SCIENCE CAREERS

Earth Science Week presents an opportunity to talk about careers in geology and related fields:

- Three excellent **videos** are *Women in the Geosciences*; *Careers in the Geosciences* (AGI; Sloan Career Cornerstone Series, 1997); and *Women Who Walk Through Time* (Video West Productions; 1065 W. North Temple; Salt Lake City, UT 84116-3303; \$5.00). The first two titles are high school level; the third title is for ages 10–18.
- The U.S. Geological Survey produces **fact sheets** about geoscience careers, particularly those for which they recruit:
 - *Opportunities for Geologists and Geophysicists*
 - *Opportunities for Hydrologists and Hydrologic Technicians*
 - *Opportunities for Cartographers and Cartographic Technicians*Call (360) 902-1473 or e-mail lee.walking@wadnr.gov for **free** copies.
- For high school students interested in pursuing college geoscience degrees, *The Directory of Geoscience Departments*, published by the American Geological Institute (*address above*) will help direct them to colleges and universities. The Directory, arranged by state and then alphabetically by institution, also includes a Field Courses/Camps index.
- The Association of Women Geoscientists offers **material on careers**, both in print (4779 126th St. N.; White Bear Lake, MN 55110-5910 or e-mail office@awg.org) and online (<http://www.awg.org/cp.html>).
- The Geological Society of America has a **career center website** (www.geosociety.org/educate/career.htm) and a printed career packet *Future Employment Opportunities in the Geosciences* (3300 Penrose Place; PO Box 9140; Boulder, CO 80301-9140).
- A **list of earth science careers**, offered by the American Geological Institute, explains what geoscientists do, what training they need, and what opportunities are available. The site (www.agiweb.org/career/brochure/career97.html) includes 26 job categories, such as seismologist, glacial geologist, hydrologist, petrologist, planetary geologist, and volcanologist.
- Don't forget about careers in **teaching earth science**. Contact the National Science Teachers Association (1742 Connecticut Ave. NW; Washington, DC 20009), the National Association of Geology Teachers (PO Box 368; Lawrence, KS 66044), and the National Earth Science Teachers Association (c/o 340 Prairiewood Circle; Fargo, ND 58103).



"THE FATE OF SOCIETIES DEPENDS UPON THE EDUCATION OF YOUTH." —FROM ARISTOTLE'S POLITICS

MOUNT RAINIER NATIONAL PARK'S 100TH BIRTHDAY



At 14,410 feet, Mount Rainier dominates the skyline of western Washington. This active volcano, named by Captain George Vancouver in 1792 for fellow officer Peter Rainier, is covered by 35 square miles of snow and ice including 28 glaciers. Mount Rainier National Park—the first national park in Washington—was established in 1899 and includes 235,625 acres (378 square miles).

The Park's centennial celebration, "A Century of Resource Stewardship," continues through the end of 1999. The Washington State Historical Museum (1911 Pacific Ave.; Tacoma, WA 98402; 253-272-9747; 206-272-WSHS; 1-888-238-4373) is hosting an exhibit, "Sunrise to Paradise: The Story of Mount Rainier National Park," through January 9, 2000. Two of the Museum's scheduled Mount Rainier lectures include:

- **Geology Presentation**, Thursday, October 21, 1999, 6:30 pm
Pat Pringle, will discuss the volcanism, seismicity, and hazards of Mount Rainier. Pringle is a geologist with the Department of Natural Resources and is currently working on a road guide to the geology of Mount Rainier.
- **An Evening with Dee Molenaar**, Thursday, November 18, 1999, 6:30 pm
Local artist, climber, and former Mount Rainier ranger Dee Molenaar

shares some of his Mount Rainier experiences. He is the author of the classic text *The Challenge of Mount Rainier*.

The website for the Centennial is <http://www.nps.gov/mora/home.htm>. It includes links to Centennial events, a time line, Mt. Rainier facts, historic maps, and photographs.

- *Volcanoes! A Teacher's Guide*, 1998 is **free** from the U.S. Geological Survey (USGS Earth Sciences Information Center; W. 904 Riverside, Suite 135; Spokane, WA 99201; 509-368-3130; 509-368-3194 fax). The USGS also offers **free Volcano Fact Sheets** about volcanic processes, response to volcanic eruptions, future eruptions in the Cascades, and volcanic hazards at Mount Rainier. Order from the USGS address above, or e-mail esnfc@usgs.gov.

YOU'VE JUST WON ONE MILLION DOLLARS!!!

WORTH OF EARTH SCIENCE INFORMATION AND RESOURCES!!!

Starting in the next issue of *Washington Geology*, there will be a continuing feature called *Earth Connections*. It is intended to be a resource for earth science teachers. We hope our enthusiasm for the subject inspires others to learn more about the interesting topics our planet Earth provides, particularly our State of Washington: volcanoes, glaciers, landslides, earthquakes, mining, rockhounding, tsunamis, fossils, and plate tectonics, to name a few.

Because Earth Connections is aimed at educators, this issue of *Washington Geology* is being provided to you, courtesy of the Washington Division of Geology and Earth Resources with help from the Superintendent of Public Instruction.



If you wish to continue receiving a free subscription to *Washington Geology*, please fill out the form below and return it to:

Washington Geology subscription request
Department of Natural Resources
Division of Geology and Earth Resources
PO Box 47007
Olympia, WA 98504-7007

You may also call in your subscription to (360) 902-1450 or e-mail it to geology@wadnr.gov. If we do not receive a subscription request, your name will not go on our subscriber mailing list.

WASHINGTON GEOLOGY SUBSCRIPTION REQUEST

Name: _____

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Grade taught: _____

School (optional): _____

Mailing address: _____

City: _____ State: _____ ZIP+4: _____

E-mail address: _____

Topics you would like to see covered in EARTH CONNECTIONS: _____
