Workshop Announcement. . .

“Detecting Radiation in Our Radioactive World”

A Teacher Workshop
Science Educators -- High School & Middle School
(biology, chemistry, earth science, physics, physical science, life science, environmental, general science, etc.)
Interested Elementary School Teachers are welcomed!

Saturday, November 10, 2007 – 7:45 A.M. to 5:00 P.M.

This full-day workshop will prepare attendees to teach the basics about radiation, how we detect radiation, and uses of nuclear science and technology in society. Teachers who complete the workshop will receive a wealth of materials – background information, hands-on activities, supplementary resources – and a Geiger counter. Career opportunities in nuclear science and technology will be highlighted during the sessions.

Mark Your Calendar to Attend

• Get valuable information and hands-on activities for teaching about radiation, radioactivity, and nuclear technology in your classroom
• Take home -- FREE – a Geiger Counter (CD V700) upon completion
• Receive a comprehensive teacher handbook with resources, teaching materials, experiment sheets, visual materials, and more
• Meet and talk with professionals in nuclear science and technology
• Continental breakfast and lunch included

Where
Washington, DC - at Gallaudet University
(Go to http://www.ans.org/pi/edu/teachers/workshops/ for information updates)

Sponsors
The American Nuclear Society Public Education Program (ANS PEP) is proud to sponsor this one-day “Detecting Radiation” workshop for educators, in conjunction with the 2007 ANS Winter Meeting to be held in Washington, DC.
● Funding for the workshop is provided in part by individual and organizational contributions to ANS PEP. ● Assistance with workshop planning provided by members of the ANS Washington DC Section.

Agenda Outline
7:45 a.m. Registrant Check-in & Continental Breakfast
8:00 a.m. Workshop Sessions (Lunch and breaks included in schedule.)
   Background Information about Radiation, Sources, etc.
   Activities for the Classroom
   Detecting Radiation – Using the Geiger Counter
   Nuclear Science and Technology Applications in Modern Life
   Medicine, Industry, Energy, Space
   Radioactive Waste & Transportation Issues
5:00 p.m. Workshop Ends

American Nuclear Society, Outreach Department, 555 N. Kensington Ave., La Grange Park, IL 60526
Phone 708-352-6611 or 800-323-3044; Fax 708-352-0499; E-mail <outreach@ans.org>; Web Site <www.ans.org>
Science Standards
Workshop provides information and training to help teachers address National Science Education Standards for grades 5-8 and 9-12, as developed under the aegis of the National Research Council.

Specific content will help teachers address physical science content standards at grades 5-8 (transfer of energy) and 9-12 (structure of atoms and interactions of energy and matter). The workshop and materials will provide information useful in addressing topics in the history & nature of science, as outlined by the standards, for both grade levels. Teachers will receive information which helps them assist students in grades 9-12 as they develop scientific models, an activity which is part of the inquiry standards.

The workshop will contain information about the structure of atoms, radiation, energy of different types of radiation, interactions of energy and matter, nuclear reactions, sources of radiation in everyday life, and ways to detect and quantify that radiation. Participants will use an analog Geiger counter to detect radiation from background and man-made sources.

Presenters
Scheduled presenters include: Ms. Candace Davison, Senior Reactor Operator, Breazeale Reactor, Penn State University; Dr. Mary Lou Dunzik Gougar, Asst. Professor of Nuclear Engineering, Idaho State University/Research Scientist, Idaho National Laboratory; Laurie Herscher, M.D., Radiation Oncologist, Sururban Hospital, Bethesda, MD; Dr. Robert Singleterry, Aero-Space Technologist, NASA Langley Research Center; Dr. William Vernetson, Director of Nuclear Facilities, University of Florida. Other educators and nuclear specialists may also make presentations.

Registration Fee & Deadline
There is a $75 non-refundable registration fee to reserve your place at the workshop. Registration includes: Geiger Counter, continental breakfast, lunch, reference books, printed materials and teaching resources. The registration deadline is 10:00 AM (Central Time), Monday, October 29, 2007. Please complete the registration form and return it with your check (payable to the American Nuclear Society) to ANS at the address below. (Or, go to our web site at http://www.ans.org/pi/edu/teachers/workshops/ for access to an online registration form using your credit card.)

Continuing Education Credits
Workshop participants may be eligible for continuing education credits, depending upon the requirements of their local school districts. ANS will provide verification of your attendance upon request.

Space Is Limited
The workshop will be limited in size to optimize opportunities for interaction with presenters. Registration is on a first-come first-served basis. To reserve your space, complete the registration form today! Deadline is 10:00 AM (Central Time), Monday, October 29, 2007.

Additional information, directions, and other details provided to registered attendees about one week prior to workshop.