



AMERICAN NUCLEAR SOCIETY
Oak Ridge/Knoxville Section

P. O. Box 5075, Oak Ridge, TN 37831-5075

To All:

Date: Tuesday, May 14th
Location: Fox Den Country Club, Knoxville
Time: Social at 6:00, Dinner at 6:45, and Speaker at 7:30
Cost: \$17.00 per person and \$8.50 for students

Program Title: **A Tour of ORNL Through the Eyes of a Project – Thorium-229 Separation**

Speaker: **Fred Peretz**
Nuclear Science and Technology Division,
Oak Ridge National Laboratory

Program Description

ORNL maintains an inventory of ^{233}U , which over time decays to ^{229}Th . Further decay leads to the isotopes ^{225}Ac and ^{213}Bi , which are being used for medical research. The thorium and subsequent actinium extraction activities draw upon a wide cross section of ORNL's nuclear operations capabilities. A walkthrough of the project activities will be used to present an organized tour of ORNL, with a focus on operations with nuclear materials.

Fred Peretz has worked at ORNL since 1977, and is a member of the Nuclear Science and Technology Division. He has served on design and operations teams for nuclear fuel processing, the Advanced Neutron Source, the MSRE Remediation Project, various waste management and decommissioning projects, and now the ^{233}U Safe Storage and medical isotopes programs. Fred has BS and MS degrees in nuclear engineering from the University of Wisconsin, and is currently the treasurer of the local ANS section.

Please RSVP to Julie G. Ezold by 12 P.M. Friday, May 10th

e-mail ezoldjg@y12.doe.gov

Work 574-5483

Dinner Menu:

Fresh Tossed Garden Salad with Assorted Dressings
Sliced London Broil with Mushroom Bordelaise
Chef's choice vegetable
Chef's choice starch
Fresh Baked Dinner Rolls with Butter
Chef's Choice of Dessert
Coffee and Iced Tea