



AMERICAN NUCLEAR SOCIETY

Oak Ridge/Knoxville Section

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

The April 2005 Dinner Meeting will be held as follows:

Date: Tuesday, April 12, 2005
Location: Calhoun's On the River
Downtown Knoxville
Time: Social at 6:00, Dinner at 6:30, and Speaker at 7:30
Cost: \$15.00 per person and free for Full-Time University of Tennessee Nuclear Engineering students with reservation
Program Title: *Space Reactor Program (Nuclear Thermal Propulsion)*
Speaker: Dr. George Flanagan, Oak Ridge National Laboratory

About Dr. Flanagan:

Education : Iowa State University

- BS Engineering Science 1966
- MS Nuclear Engineering 1967
- PhD Nuclear Engineering 1969

1969- 1972: Atomics International, Canoga Park, CA

- Worked on space nuclear reactor safety and Liquid Metal Breeder Reactor (LMFBR) safety

1972- Present: Oak Ridge National Laboratory

Technical Areas of Work:

- Clinch River Breeder Reactor physics and shielding
- Probabilistic risk analysis for the Nuclear Regulatory Commission (Three Mile Island and Chernobyl accident analysis), safety goals setting for the Commission, methods and data development
- Hazardous waste management risk issues
- US Army Chemical Weapons Disposition Program - Risk Analysis
- High Flux Isotope Reactor (HFIR) Probabilistic Risk Analysis and Safety Analysis Report
- **Currently:** working on space reactor safety and Advance CANDU Reactor risk analysis. Also serves as the DOE concept area coordinator for nuclear thermal propulsion
- Author of several technical papers and an encyclopedia article on Nuclear Power Plant Risk

Management:

- Group Leader, Section Head, and Program Manager for LMFBR reactor physics and shielding
- Section Head for HFIR Safety and Design Engineering and Experiments
- Acting Division Director for Research Reactor Division (RRD)
- Associate Division Director RRD
- Currently the task leader for space reactor safety in Nuclear Science and Technology Division

Professional:

- **American Nuclear Society (ANS)** : Served as: Chairman, Secretary, Program Chairman of the Nuclear Safety Division, National Board of Directors of ANS, General Chairman of ANS International Fast Reactor Safety Topical Meeting, Chairman and member of the executive committee of the Oak Ridge Section of the ANS
- **Society of Risk Analysis (SRA)** : Founding and Charter Member of the SRA, editorial board of the “Risk Analysis Journal”

Menu:

Buffet with pulled pork and grilled chicken
Corn, cole slaw, and beans
Biscuits
Chocolate chip cookies
Tea and coffee

RSVP:

to Brad Rearden
by noon, **Friday April 8, 2005**
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work: 574-6085