

RSIC Newsletter



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There is tendency in the 20th century to forget that there will be a 21st century science, and indeed a 30th century science, from which vantage points our knowledge of the universe may appear quite different. We suffer, perhaps, from temporal provincialism, a form of arrogance that has always irritated posterity. —J. Allen Hynek

RP&S Program for ANS Winter Meeting

The technical program for the Radiation Protection and Shielding (RP&S) Division at the 1990 Winter Meeting of the ANS is well developed. In addition to the normal range of general topics several special sessions are planned. The sessions include:

- “LMR Shielding—Past, Present, and Future,” organized by L. L. Carter, will focus on shielding issues for liquid-metal cooled reactors. Invited and contributed papers will cover foreign and domestic LMR reactors which are operating or under design, current analyses and experiments being used to improve shield designs, and future directions. Special emphasis will be given to experience with FFTF. [Note: This is one of approximately eight technical sessions spanning several divisions to commemorate the 10th anniversary of the initial criticality of the FFTF reactor.]
- “Radiological Assessments for Decontamination, Decommissioning, and Disposal,” organizers, L. West, Jr., and J. M. Cardito. Decontamination and decommissioning of sites which now contain or have contained radioactive material inevitably lead to a radiological assessment of the site. For several years the U.S. DOE has been reviewing all formerly utilized sites to implement remedial action programs to assure the sites meet qualifications for planned dispositions. Release of some of these facilities for unrestricted use has imposed rigorous examination of both the radiological assessment models and the assumptions made in the application of these models. New computer codes have been developed with increasingly more sophisticated models for radiological assessment. This session reviews the code developments and application of the models to specific sites.
- “Radiation Shielding Calculations on Personal Computers,” organizer, B. L. Kirk. Shielding calculations are being performed increasingly on personal computers (PC) as these computers permeate the engineering work place. There has been an emergence of shielding codes for PCs based on all types of shielding models: analytical approximation models, discrete ordinates models, and even Monte Carlo models. Some codes are developed specifically for the PC environment to provide easy and convenient analysis of specialized problems, while other codes