

- authors of papers for NT
April 22, 1974

SESSION 1. PROGRAMS AND GOALS

- ✓ **Chairman:** Don Gilbert, Arizona Atomic Energy Commission
- 8:00- 9:15** **Registration**
- 9:15- 9:30** **Welcome** — Richard M. Edwards, Vice President, The University of Arizona
- 9:30-10:00** **United States Atomic Energy Waste Management Programs and Objectives** — Frank Pittman, USAEC
- ✓ **10:00-10:30** **Licensing and Criteria** — S. H. Smiley, Deputy Director for Fuels and Materials, Directorate of Licensing
- 10:30-10:45** **Discussion (Refreshments)**
- ✓ **10:45-11:15** **EPA — Regulations** — W. Rowe — United States Environmental Protection Agency
- 11:15-11:45** **International Concerns & Programs** — Don Jacobs, John Blomeke, Oak Ridge National Laboratory
- ✓ **11:45-12:15** **Cost-Benefit Considerations** — Richard Rudman, EPRI
- 12:15-13:30** **Lunch**

SESSION 2. TECHNICAL PROBLEMS DEFINITION

- 13:30-14:00** **Chairman:** W. W. Morgan, Atomic Energy of Canada, Ltd.
Nuclear Radiation — Sources and Impact — Carl Unruh, Battelle Northwest
- 14:00-14:30** **Nuclear Fuel Cycle and the Isotopic Compositions** — J. Angelo, R. Post — University of Arizona
- 14:30-15:00** **Nuclear Fuel Cycle Wastes — Radiation Sources** — G. Janson, Battelle Northwest and J. R. Coady, Whiteshell
- ✓ **15:00-15:30** **Mining and Natural Radioactivity** — Robert Siek, Colorado Department of Public Health *(paper read)*
- 15:30-15:45** **Discussion (Refreshments)**
- ✓ **15:45-16:15** **Methodology for Risk Evaluation** — D. E. Deonigi, Battelle Northwest
- ✓ **16:15-16:45** **Handling and Packaging of Plutonium Contaminated Waste** — Bruce Owen; Dow — Rocky Flats *(paper read)*
- ✓ **16:45-17:15** **Transportation of Fuel and Waste** — Reuben Peterson, Allied Gulf *USAEC*
- 19:00-24:00** **Social Evening** — "Old Tucson"

April 23, 1974

SESSION 3. PUBLIC PARTICIPATION IN WASTE MANAGEMENT POLICY

- Chairman:** Warren Witzig, Pennsylvania State College
- 9:00- 9:30** **Social, Political and Economic Forces** — Alfred T. Whatley, Western Interstate Nuclear Board
- ✓ **9:30-10:00** **Public Information — Needs and Methods** — Lee Dye, Los Angeles Times
- ✓ **10:00-10:30** **State and Regional Programs and Contributions** — Jim Goodwin, Southern Interstate Nuclear Board
- 10:30-11:00** **Discussion (Refreshments)** — *The Public Role in Radioactive Waste Management Decision Making*
- ✓ **11:00-11:30** **Measuring Radioactivity in the Environment** — Arthur Jarvis, Environmental Protection Agency
- 11:30-12:00** **Geohydrologic Considerations in the Geological Impact of Bedded Salt and Similar Concepts** — *United States Geological Survey by Geo. D. DeBucuranne*
- 12:00-13:00** **Lunch**

SESSION 4. WASTE MANAGEMENT PROCESSES

- Chairman:** John Blomeke, Oak Ridge National Laboratory
- 13:15-13:45** **Methods for Recovery of Actinides from High Level Wastes** — W. D. Bond, Oak Ridge National Laboratory
- 13:45-14:15** **Transmutation** — N. E. Carter, *Lubela* Battelle Northwest Laboratory
- ✓ **14:15-15:45** **Low Temperature Processes** — M. H. Campbell, Atlantic Richfield Hanford Company
- 14:45-15:15** **Waste Calcination** — Jim Buckham, B. R. Wheeler, and B. R. Dickey, Aerojet Nuclear Company
- 15:15-15:30** **Discussion (Refreshments)**
- ✓ **15:30-16:00** **Waste Fixation** — J. L. McElroy, Battelle Northwest Laboratory
- 16:00-16:30** **ITSA, Above Ground Retrievable Storage Method for Low Level Transuranic Wastes** — Paul MacBeth & W. W. Hickman, Aerojet Nuclear Co.
- 16:30-17:00** **The Sandia Workshop** — M. L. Merritt, Sandia

April 24, 1974

SESSION 5. WASTE MANAGEMENT SYSTEMS AND CONCEPTS

- Chairman:** Al Platt, Battelle Northwest
- 9:00- 9:30** **Retrievable Surface Storage Facility** — D. C. Nelson, Atlantic Richfield Hanford Company
- 9:30-10:00** **Disposal in Geological Formation** — W. C. McClain and A. L. Boch, Oak Ridge National Laboratory
- 10:00-10:30** **Canadian Systems** — W. W. Morgan, Atomic Energy of Canada
- 10:30-10:45** **Coffee** — *Kirk*
- 10:45-11:15** **Space Disposal** — *Robert Hyland, NASA Lewis*
- 11:15-11:45** **Seabed Disposal — Where to Look** — W. P. Bishop, Sandia
- ✓ **11:45-12:15** **Chemical Behavior & Ground Movement** — *Ray Isaacson*, Atlantic Richfield Hanford
- 12:15** **Lunch** — *Al Smith*

SESSION 6. WASTE MANAGEMENT — THE EVOLVING STRATEGY

- Chairman:** Jack Westland, WINB Federal Representative
- 13:30** **Panel Discussion**
- Panel Members:** John Blomeke, Oak Ridge National Laboratory; John McCurry, Exxon Nuclear Co.; Al Platt, Battelle Northwest Laboratory; R. W. Ramsey, U. S. Atomic Energy Commission; Walt Rodger, Nuclear Safety Assoc.; H. Van Domlen, Past Chairman, WINB
- Parker, Herb*
- Wm Parker Assoc*
- Waste Management Practices in Selected Foreign Countries*



REGISTRATION — Registration at the meeting will be at the Ramada Inn, Sunday, April 21, from 3:00 to 6:00 p.m. and resuming Monday morning at 8:00. The fee includes a copy of the published proceedings. Advance registration is recommended; please use the attached form.

TECHNICAL PROGRAM — The technical program will be held at the Ramada Inn, starting at 9:15 on Monday morning. For further information, contact

Dr. Roy G. Post
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Tucson, Arizona 85721

ACCOMMODATIONS — It is suggested that attendees make room reservations directly with the Ramada Inn, 404 N. Freeway, Tucson, Arizona 85705 (Phone 800-228-2828) mentioning the symposium with the request.

GUESTS' SOCIAL EVENTS — Plans for guests accompanying attendees include visits to the Arizona-Sonora Desert Museum, the Mission of San Xavier, and Nogales in Old Mexico, as well as delightful Mexican luncheons and shopping for southwest Indian arts and crafts. Please indicate on the preregistration if you will have a guest attending these social events and their specific interest in these or other activities so that we can assure the most interesting selection of events.

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Sonja Starr

