Radiation Workshop AGENDA
RADIATION HEALTH WORKSHOP

AGENDA

SESSION I: Wednesday, March 7, 1990

CHAIRMAN: W. Schimmerling

08:30 AM GROUND-BASED RESEARCH

Chairman: D. Robbins

Accelerators and their characteristics (W. Schimmerling, NASA/HQ, 10 min)
The GSI heavy ion accelerator (G. Kraft, GSI, 10 min)
Brookhaven facilities (V. Bond, BNL, 10 min)

What can be done at accelerators? (G. Kraft, 30 min)

09:30 AM MUTATION, TRANSFORMATION AND REPAIR

Chairman: G. Nelson

Neoplastic cell transformation (T. Yang, LBL, 15 min)
Somatic cell mutations (A. Kronenberg, LBL, 15 min)
Mutations in Tradescantia (V. Bond, BNL, 15 min)
Chromosome studies with protons (A. Cox, BROOKS AFB, 15 min)
Genetic effects in C. Elegans (G. Nelson, JPL, 15 min)
Mechanisms of radiosensitivity (D. Chen, LASL, 15 min)

11:00 AM Coffee Break (15 min)

11:15 AM DISCUSSION

12:15 PM Lunch

1:00 PM LATE EFFECTS (Mainly Carcinogenesis)

Chairman: E. J. Ainsworth

Lifetime effects: monkey-to-man extrapolation (D. Wood, Brooks AFB, 30 min)
Life-shortening effects in rodents (E. J. Ainsworth, AFRRI, 15 min)
Radiation carcinogenesis in vitro (T. Yang, LBL, 15 min)

2:00 PM DISCUSSION

3:00 PM Break (15 min)
Radiation Workshop AGENDA

3:15 PM  EFFECTS MORE OR LESS UNIQUE TO HZE PARTICLES
(Mainly cataractogenesis, CNS effects)

Chairman: J. Lett
- Cataractogenesis (J. Lett, CSU, 15 min)
- Cataractogenesis (B. Worgul, Columbia University, 15 min)
- Behavioral effects in rodents (???, AFRRI, 15 min)
- Cognitive testing in primates (D. Wood, Brooks AFB, 15 min)

4:15 PM  DISCUSSION

5:00 PM  End of Session I

SESSION II: Thursday, March 8, 1990  CHAIRMAN: G. Badhwar

08:30 AM  SPACE-BASED RESEARCH

Chairman: F. Sulzman
- LifeSat (W. Gilbreath, NASA/HQ, 20 min)
- Radiobiological effects in tentative LifeSat orbits (J. Wilson, NASA/Langley, 10 min)
- Microgravity and single-event radiobiology (G. Reitz, DLR, 30 min)
- Remote Biosensing (G. Taylor, NASA/JSC, 30 min)

10:00 AM  Coffee Break (15 min)

10:15 AM  DISCUSSION: Radiation Biology Requirements for LifeSat

12:00 PM  Lunch

1:00 PM  PROSPECTS FOR GENETIC SCREENING AND FOR MODIFICATION OF RADIATION RESPONSE

Chairman: D. Chen

2:00 PM  Summary of Conference (W. Schimmerling)

3:00 PM  Adjourn