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February 24, 1953

Dr. John Bugher
Division of Biology and Medicine
U.S. Atomic Energy Commission
1901 Constitution Ave.
Washington, D.C.

Dear Dr. Bugher:

I should like to suggest the following items for inclusion in
the agenda of the Tripartite Conference on Permissible Doses:

- A. Discussion of Report of the Subcommittee on Permissible Dose from External Sources.
- ✓ 1. Units - rep and rem.
 - ✓ 2. Definition of Permissible Dose.
 - ✓ 3. Critical Organs - Permissible weekly doses, effective depths.
 - ✓ 4. RBE = 1 for ordinary x-rays.
 - ✓ 5. Modifications of Permissible Weekly Doses according to
 - (a) Age,
 - (b) Limited region of body,
 - (c) Limited penetration of radiation.
 6. Weekly Dose Fluctuations.
 7. Non-occupational Exposure of Minors - Others.
 8. Average Dose per Individual of Reproductive Age in the Whole Population.
 9. Occasional Exposure
 - (a) Accidental or Emergency
 - (b) Planned Emergency
 - (c) Medical Exposure

ORGANIZATION & MANAGEMENT

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The following items should be included in the discussion of internal emitters:

1. Inhalation of Insoluble Radioactive Particles. Radiation Hazards, basis for permissible limits.
2. Permissible Limits for Large Populations.

I would suggest that the discussion on permissible dose from external sources be placed on the agenda for the first day of the meeting. There are certain fundamental principles involved in this that should be settled first. Also, I think agreement on these points can be obtained without too much discussion.

With kindest regards, I am

Yours sincerely,



GF:KR

G. Failla