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UNITED STATES  
ATOMIC ENERGY COMMISSION

WASHINGTON 20545

July 3, 1974

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Jim:

The enclosed will bring you up to date  
re the latest in Germantown

Sid

Enclosure:  
Status Report

Status Report re Plutonium Injectees

The papers to be presented by Rowland's group at the Seattle meeting are scheduled for Monday, July 15 at 4:15 p.m. and Tuesday, July 16 at 11:30 a.m. (see enclosure 1). The following represents the current status of projects connected with this matter:

1. To select a high level Division spokesman to participate in any press conference that might become necessary during Seattle meeting.
2. Presidents of Universities of Chicago and California to be contacted by Dr. L. by phone. *Has been done [CANNON AT U of CH, MITCH & LAWRENCE at CAL.]* We should send background material soon so that they may prepare a press response in the event that it is needed in mid-July.
3. Brief JCAE if not done already.
4. Consent forms for Rochester patients to be completed after receipt of letter by Dr. Sproull and his referral of draft forms to University of Rochester legal staff. If forms are unsatisfactory as presently drafted, discussions between Mr. Greenleigh and U. of Rochester attorneys will resolve differences.
5. Report of inquiry is being reviewed by Division of Inspection again after OGC and Dr. Burr's revisions.
6. The Texas patient has been notified by his attending physician. The patient recalled the injection but was not aware of its nature. He was not concerned about the matter.
7. Rochester patients to be notified after Rochester legal staff approves consent forms.
8. Continuation of exhumation program approved by ANL Human Use Committee (enclosure 2). I will prepare summary of matter with relevant

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supporting documents for our files, OGC and GM or Commission.

9. Manner of notification of next of kin of exhumed patient to be worked out yet.
10. In view of continuation of exhumation program, notification of previously approached next of kin will be required. Procedures to be worked out in close collaboration with OGC.

A-26

**DOSIMETRY AND EFFECTS OF RADIONUCLIDES  
DEPOSITED IN BONE**

SNOQUALMIE ROOM - 3:45 p.m. — MONDAY, JULY 15

Chairman: W. Gössner (West Germany)  
Cochairman: D. R. Atherton (USA)

- A-26-1 3:45 p.m. "Bone Tumor Risk in Mice After Single and Repeated Injections of <sup>226</sup>Ra." W. Gössner, A. Luz, W. A. Muller and O. Hug (West Germany)
- A-26-2 4:00 p.m. "Dosimetric Aspects After Repeated Injections of Short-Lived Alpha-Emitters in Mice with Regard to the Risk of Late Effects." W. A. Muller, W. Gössner, O. Hug, U. Linzner and A. Luz (West Germany)
- A-26-3 4:15 p.m. "<sup>239</sup>Pu in Human Bone: An Autoradiographic Study." R. A. Schlenker, and B. G. Oltman (USA)
- A-26-4 4:30 p.m. "Kinetic Model for Skeletal Retention of <sup>239</sup>Pu." D. R. Atherton, Betsy J. Stover, and W. Stevens (USA)
- A-26-5 4:45 p.m. "Quantitative Measurement of Changes in <sup>226</sup>Ra- and <sup>90</sup>Sr-<sup>90</sup>Y-Labeled Humeri: A Comparative Study." M. H. Momeni, Jean R. Williams, L. S. Rosenblatt, and M. Goldman (USA)
- A-26-6 5:00 p.m. "Binding of Actinide Elements by Bone Protein." F. W. Bruenger, B. Grube, E. Bruenger, and W. Stevens (USA)

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**RADIATION**

OPERA HOUSE

Chairwoman: J.  
Cochairman: H

- A-27-1 1:30 p.m. "Determination of <sup>226</sup>Ra by the Pulse Radiolysis Technique of Pulsed Laser Light." J. E. Ewing (USA)
- A-27-2 1:45 p.m. "A Study of Plateau Formation in the Pulse Radiolysis of <sup>226</sup>Ra." J. E. Ewing (Canada)
- A-27-3 2:00 p.m. "Radiation Chemistry of <sup>226</sup>Ra." J. E. Ewing and A. Brecher (USA)
- A-27-4 2:15 p.m. "Pulse Radiolysis of <sup>226</sup>Ra." J. E. Ewing and K. H. Schmilz (USA)
- A-27-5 2:30 p.m. "Electron Transfer in the Pulse Radiolysis of <sup>226</sup>Ra." M. Farag (USA)
- A-27-6 2:45 p.m. "Determination of <sup>226</sup>Ra in Aqueous Solution by the Pulse Radiolysis Technique." J. E. Ewing, Kabakchi, and A. Brecher (USA)

B-8

**EFFECTS, METABOLISM, AND DOSIMETRY OF  
INTERNALLY DEPOSITED RADIONUCLIDES**

FIDALGO ROOM - 10:00 a.m. — TUESDAY, JULY 16

Chairwoman: Herta Spencer (USA)

Cochairman: J. Rundo (USA)

- B-8-1 "A Continuing Study on the Somatic Effects of a Low-Level, Fractional MPC Body Burden of Ra-226." J. J. Gabay, C. D. Brown, I. H. Porter, and S. Hoegerman (USA)  
10:00 a.m.
- B-8-2 "Factors Influencing the Intestinal Absorption of Radiostrontium in Man." Herta Spencer, C. Norris, and Geraldine Bell (USA)  
10:15 a.m.
- B-8-3 "Metabolism of <sup>35</sup>S Sodium Sulfate in Man." K. S. Pentlow, Helen Q. Woodard, K. Mayer, J. S. Laughlin, and R. C. Marcove (USA)  
10:30 a.m.
- B-8-4 "Internal Dose Calculation for <sup>137</sup>Lu-Chloride." D. M. H. Glaubitt, H. D. Roedler, and R. S. Marx (West Germany)  
10:45 a.m.
- B-8-5 "Low Dose *In Vivo* Human Calcium Measurement by <sup>45</sup>Ca(n $\gamma$ )<sup>41</sup>Ar Reaction." R. E. Bigler, J. S. Laughlin, R. Davis, Jr., and J. C. Evans (USA)  
11:00 a.m.
- B-8-6 "Excretion rates of <sup>226</sup>Ra for Radium-burdened People 10 to 55 Years After Exposure." R. B. Holtzman, D. R. Kuchta, and J. Y. Sha (USA)  
11:15 a.m.
- B-8-7 "The Excretion Rate of Plutonium 10,000 Days after Acquisition." J. Rundo, P. M. Starzyk, and J. Sedlet (USA)  
11:30 a.m.

B-9

**SYMPOSIUM: RADIATION  
PROCESSING  
THEIR EFFECTS**

NISQUALLY ROOM - 10:00 a.m.

Chairman: E. J. Hart (USA)

- B-9-1 "Some Aspects of Airborne Radioactivity in the Troposphere"  
G. M. Hidy, Rockwell International, Santa Ana, Calif. (USA)
- B-9-2 "The Interdependence of Radioactivity in the Urban Air, the General Troposphere, and the Biosphere"  
H. S. Johnston, University of California, Los Angeles
- B-9-3 "Gas-to-Particle Conversion of Radioactive Gases: Radiation Induced and Photochemical Processes"  
K. G. Vohra, Bhabha Atomic Research Center, Bombay
- B-9-4 "Effects of Air Pollution on Radioactivity"  
N. R. Glass, U. S. Environmental Protection Agency, Washington, D. C. (USA)

Dictated by phone, 7/3/74

Memo to A. F. Stehney  
Radiological and Environmental Research Division

From R.J.M. Fry  
Biological and Medical Research Division

A PROPOSAL TO EXHUME THE REMAINS OF CERTAIN INDIVIDUALS WHO  
RECEIVED INJECTIONS OF PLUTONIUM

The review committee for research projects involving human subjects met, as you know, on Monday, June 24, 1974, and considered the proposal submitted by the Center for Human Radiobiology. The proposal was approved. The committee wishes to suggest that the section about the benefits to society that may accrue from these studies be rewritten. The committee felt that a statement consonant with the oral presentation made to the committee would be useful for the records. If recent history is any guide, records concerning the Pu investigations may well become of interest.

On behalf of the committee may I thank you and Bob for having given your time to the committee.

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