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To: Authors of 1950 NUCLEAR SCIENCE REVIEW
From: Dwight E. Gray, Subcommittee on Publications and Information
Subject: Complete Outline and Author Roster for REVIEW

NAV1.941208.065

Attached herewith is the complete outline and list of authors for the 1950 NUCLEAR SCIENCE REVIEW to be published as early as possible next year under the auspices of the National Research Council.

As our original letter indicated, it is of considerable importance that all copies be submitted as early in January 1951 as possible. The value of a review volume in any field diminishes appreciably if there is excessive delay in its publication. Since the activities incident to review, author correction, printing, proofreading, and so forth will introduce an unavoidable time lag of at least several months, the early January deadline for author copy is essential if publication is to be accomplished even by mid-1951.

Not later than November 1 we plan to send all authors complete information on how the book will be published, where copy should be sent, what review routine will be followed and any other facts having a bearing on the final preparation and submission of copy. Included also will be a few basic style ground rules or recommendations intended to achieve a modest degree of standardization in copy format and thereby speed up the editing and publishing phases of the project. If November 1 seems unduly late for this information, please so indicate to me and I will make every effort to distribute it sooner.

Again let me express the appreciation and gratitude of the National Research Council and its Committee on Nuclear Science for your acceptance of authorship responsibility for a part of the 1950 REVIEW.

Dwight E. Gray

1950 NUCLEAR SCIENCE REVIEW

CHAPTER OUTLINE AS OF SEPTEMBER 15, 1950

BIOLOGY & MEDICINE SECTION

1. GENETIC EFFECTS OF RADIATION R. F. Kimball (ORNL)
2. RADIOISOTOPES IN SOILS RESEARCH AND PLANT NUTRITION Dr. Sterling B. Hendricks (Dept. of Agriculture)
Dr. Alexander Hollaender (ORNL)
3. EFFECTS OF RADIATION ON MICRO-ORGANISMS
4. RADIOBIOLOGY Dr. Harvey Patt (Argonne)
5. RADIATION THERAPY Dr. J. J. Nickson (Memorial Hospital)
6. RADIATION IN BIOCHEMISTRY - USE OF ISOTOPES Dr. Claude A. Villee (Harvard Med.)
7. RADIATION DOSIMETRY & HUMAN TOLERANCES Dr. G. Failla (Columbia)
8. HEAVY ISOTOPES IN BIOCHEMICAL RESEARCH Dr. David Rittenberg (Columbia) and T. D. Price (Columbia)

CHEMISTRY

1. CHEMISTRY OF NUCLEAR SPECIES
 - A. Hot Atom Chemistry Dr. T. Harrison Davies (Chicago)
 - B. Chemistry of Transuranic Elements Dr. J. J. Katz (Argonne)
2. SEPARATION AND PREPARATION OF ISOTOPIC MATERIALS
 - A. Separation of Stable Isotopes
 - (1) Electromagnetic Separation Dr. C. P. Keim (ORNL)
 - (2) Chemical Separation Mr. Glenn Cluett (ORNL)
 - B. Preparation of Radioisotopes Dr. G. E. Boyd (ORNL)
3. ANALYTICAL NUCLEAR CHEMISTRY Dr. C. J. Rodden (New Brunswick)
4. ISOTOPIC SYNTHESIS Dr. W. G. Brown (Chicago)
5. TRACER TECHNIQUES IN THE STUDY OF MECHANICS AND KINETICS OF REACTIONS Dr. Raymond R. Edwards (Univ. of Arkansas)
6. ATOMIC AND MOLECULAR SPECTROSCOPY Dr. G. H. Dieke (Johns Hopkins)

Chemistry Cont'd.

7. LOW TEMPERATURE PHENOMENA

Dr. C. T. Lane (Yale)

8. METALS AND ALLOYS

Dr. F. H. Spedding (Iowa State)

9. GEOCHEMISTRY

Michael Fleischer and J. C. Rablitt
(U.S. Geog. Survey, Dept. Interior)

PHYSICS

1. HIGH ENERGY MACHINES

A. Cyclotron

Dr. Stanley Livingston (Los Alamos)

B. Synchrotron

Dr. I. A. Getting (MIT)

C. Betatron

Dr. D. W. Kerst (Illinois)

D. Linear Accelerator

Dr. John C. Slater (MIT)

2. DETECTION TECHNIQUES

Dr. W. H. Jordan (ORNL)

3. MESON PHYSICS

Dr. R. E. Marshak (Rochester)

4. NUCLEAR STRUCTURE

Dr. Eugene Feenberg (Washington U)

5. MASS & RELATIVE ABUNDANCE OF ISOTOPES

Dr. A. O. Nier (Minnesota)

6. ENERGY LEVELS IN LIGHT NUCLEI

Dr. Thos. Lauritsen (CIT)

7. MAGNETIC MOMENTS

Dr. Norman Ramsey (Harvard)

8. PHYSICS OF TRANSURANIC ELEMENTS

Dr. W. M. Manning (Argonne)

9. COSMIC RAYS

Dr. R. V. Adams (Yale)

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