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Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: MAR 6 1958

FROM : *Wilbur G. Stamer*
for L. Marshall, Director
Division of Classification, Washington, D. C.

This document contains 4 pages
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SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 16

SYMBOL: GC:CFK

Please file in my book with 5/6

1. Since the overall design of the mechanisms and various components presently proposed for the Gas-Cooled Reactor Experiment (GCRE) are strictly conventional and these control mechanisms are not designed for a prototype or field gas-cooled reactors unit, Topic 42d of the Army Reactors section of the Reactor Supplement to GC Doc-44 has been declassified. U
2. The topics in the "Guide to Unclassified Fields of Research" (AEC Appendix 3403-05) delineate the fields of work which the Commission has determined may be conducted on an unclassified basis. In those cases where no topic in AEC 3403-05 exists for performing work on an unclassified basis, requests to perform work as unclassified should include a specific proposal of what is intended to be done as unclassified and what will be avoided to insure that classified data is not generated. The topics in the Declassification Guide for Responsible Reviewers (GC Doc-44) should not be used for this purpose. U
3. By special arrangements with the Office of International Conference, all abstracts and papers submitted for the 1958 Geneva Conference are sent directly to that office, who in turn submit copies to the Division of Classification for declassification review. It is not necessary to submit the conference papers through the COD and the Declassification Branch before transmitting to the OIC. U
4. The following parenthetical remark has been added to Topic 1.1.1 of GC Doc-58: (Any comparison of U-235 production rates prior to January 1, 1957, with subsequent production rates must be classified Top Secret. Comparative indices of production for the first six months of 1957 U-RD

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This document contains Restricted Data as defined in the Atomic Energy Act of 1954. Its transmission or the disclosure of its contents in any manner to an unauthorized person is prohibited.

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ATOMIC ENERGY DECLASSIFICATION REVIEW	
APPROVAL NO. <u>04-28-07</u>	(DETERMINATION OF FILE NUMBER(S))
CLASS. CODE <u>TOP SECRET</u>	1. CLASSIFICATION RETAINED
<i>W. G. Stamer</i>	2. DECLASSIFIED ON: <u>1/1/58</u>
<i>1/1/58</i>	3. DECLASSIFIED BY: <u>W. G. Stamer</u>
<i>1/1/58</i>	4. AUTHORITY: <u>1.1.1</u>
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<i>1/1/58</i>	6. OTHER SPECIFY: <u>TOP SECRET</u>

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Classification Committee Chairmen

-2-

have been issued as Secret Restricted Data; therefore, the U-235 production rates through June 30, 1957, are classified Top Secret.)

5. It has been determined that certain areas of the Oak Ridge National Laboratory can be declassified. A local classification guide for the Oak Ridge National Laboratory is being prepared which will delineate those areas in which the work will be conducted on an unclassified basis. U
6. The program at Rensselaer Polytechnic Institute, Troy, N. Y., to determine the feasibility of using glass fibers as part of the fuel elements for an unclassified nuclear reactor has been authorized as unclassified. U
7. It has been determined that the cost breakdown of the Controlled Thermomuclear Program is unclassified. U
8. The U-235 production rate for the electro-magnetic plant has been downgraded from Top Secret Restricted Data to Confidential Restricted Data. This downgrading action includes accumulative electro-magnetic plant U-235 production. C-RD
9. On nonroutine shipments, the 101 forms which specify an assay of 93+% of U-235 should be classified Secret Restricted Data only if the material is identified as "fully enriched", "top product" or "weapon grade". S-RD
10. Questions have arisen whether the rules for insuring the proper classification of documents originated by AEC employees or contractors and subcontractor employees (as stated in AEC-3401-072) apply to him only in his role as an employee or whether they apply to him at all times, e.g., a union official preparing union correspondence relating to the design, construction, and operation of plants for the production of fissionable materials. It is the responsibility of all AEC and AEC contractor employees, who originate information containing technical or scientific data on any phase of the atomic energy program, to insure that such information is correctly classified. Unless an AEC contractor employee who also serves as a union official definitely knows that the subject matter of correspondence he is preparing is unclassified, he should request a classifying authority to review his correspondence for proper classification. It is suggested that operations offices issue local instructions to AEC and AEC contractor employees within their jurisdiction to this effect. U

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Classification Committee Chairmen -3-

11. To date, the Commission has declassified the prices of the following materials and services:

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1. Price for material produced by licensees ("guaranteed fair price")
 - a. For purchase of Pu produced in the operation of licensed power and research reactors in the United States between May 18, 1957 and June 30, 1963: between now and June 30, 1962, the price ranges from \$30-45 per gram depending on Pu-240 content. For year July 1, 1962 to June 30, 1963, a single price of \$30 per gram is in effect.
 - b. During the year ending June 30, 1963, Uranium-233 in nitrate form, will be purchased at \$15 per gram of contained U-233.
2. Prices for material produced in foreign reactor projects ("purchase price")
 - a. For the period ending June 30, 1963, special nuclear materials produced in foreign reactor projects will be purchased exclusively for peaceful uses at the following prices: Plutonium metal, \$12 per gram; Uranium-233, in nitrate form, \$15 per gram of contained U-233. (Where such material cannot, during its reprocessing, be kept separate from materials produced in the United States, an equal amount of U. S. material will be reserved for peaceful uses.)
3. Base Charges for Materials Sold or Leased by AEC
 - a. Enriched uranium, varies with U-235 enrichment starting at \$40.50 for 0.0072 weight fraction U-235 in total uranium to \$15,361.00 for 0.90 weight fraction U-235 in total uranium. (The extrapolated price of \$16,258 per kg of contained uranium for 0.95 weight fraction U-235 is also unclassified.)
 - b. \$40.00 per kilogram of normal uranium metal in billet form
 - c. \$43.00 per kilogram of thorium metal in billet form
 - d. \$28.00 per pound of heavy water in minimum lots of 125 pounds

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Classification Committee Chairmen

-4-

- e. \$36.25 per kilogram uranium for normal UF_4
 - f. \$3.30 per gram of boron metal, enriched to 92% B^{10}
 - g. \$1.50 per gram for conversion of plutonium nitrate to metal
 - h. \$35.00 per kilogram for conversion of highly enriched uranium nitrate to hexafluoride.
(maximum charge)
 - i. \$120.00 per kilogram for conversion of highly enriched uranium hexafluoride to metal-broken piece.
(interim price)
 - j. \$140.00 per kilogram for conversion of highly enriched uranium hexafluoride to metal-machined ingots. (interim price)
12. The long distance telephone number for the Washington Headquarters (Germantown, Md.) is now HAZelwood 7-7800. Division of Classification personnel may be contacted on the following extensions: C. L. Marshall, X-3521; W. A. Strauser, X-3521; Classification Branch, X-3292.

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