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Description of document: **Atomic Energy Commission's (AEC) Monthly Classification Bulletin, Numbers 1 -77, (1956 - 1966) inclusive (see notes below)**

Requested date: 02-May-2007

Released date: 03-December-2008
27-January-2009 (Update)

Posted date: 01-February-2009
17-March-2009 (including update material)

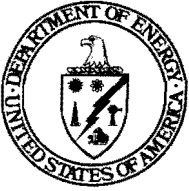
Title of Documents Monthly Classification Bulletin

Date/date range of document: 09-November-1956 – 27-July-1965

Source of documents: FOIA Officer
United States Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585
Phone: (202) 586-5955.
Online request form:
http://www.management.energy.gov/FOIA/foia_request_form.htm

Notes: See release letter for list of released, partially withheld and wholly withheld records
Two additional Bulletins and part of a third supplied in update which follows earlier released material in this PDF

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Department of Energy
Washington, DC 20585

December 3, 2008

Re: FOIA 2007-000600

This is a second partial response to your May 2, 2007, request to the Department of Energy (DOE) under the Freedom of Information Act (FOIA). Your request was received at the DOE on May 10, 2007, and assigned case number F2007-000600.

You requested copies of the Atomic Energy Commission's *Monthly Classification Bulletin*, Numbers 1 – 77, (1956 – 1966) inclusive.

The Office of Classification, within the Office of Health, Safety and Security, searched its files and found a total of 80 documents responsive to the request. Twenty four of the documents were determined to be unclassified and were provided to you in their entirety in an earlier response.

Pursuant to Title 10, Code of Federal Regulations (C.F.R.), section 1004.6 (10 C.F.R.1004.6), the DOE has completed its review of 53 of the remaining 56 documents responsive to your request. Thirty four documents are being provided in their entirety. Nineteen of these documents are being provided with exempt information redacted. The remaining three documents require coordination with other Government Agencies, and DOE will provide a response upon completion of their reviews. Please find enclosed a copy of the documents with all exempt information redacted. The proper FOIA exemption is cited where information has been redacted.

The following documents are being provided in their entirety:

Monthly Classification Bulletin, No. 1, November 9, 1956
Monthly Classification Bulletin, No. 4, February 21, 1957
Monthly Classification Bulletin, No. 4a, March 7, 1957
Monthly Classification Bulletin, No. 6, April 8, 1957
Monthly Classification Bulletin, No. 7, May 13, 1957
Monthly Classification Bulletin, No. 10, August 15, 1957
Monthly Classification Bulletin, No. 12, October 16, 1957
Monthly Classification Bulletin, No. 13, November 15, 1957
Monthly Classification Bulletin, No. 14, December 17, 1957
Monthly Classification Bulletin, No. 16, March 6, 1958
Monthly Classification Bulletin, No. 17, March 23, 1958



Monthly Classification Bulletin, No. 18, April 23, 1958
Monthly Classification Bulletin, No. 20, June 16, 1958
Monthly Classification Bulletin, No. 21, July 17, 1958
Monthly Classification Bulletin, No. 22, August 12, 1958
Monthly Classification Bulletin, No. 25, November 28, 1958
Monthly Classification Bulletin, No. 26, December 19, 1958
Monthly Classification Bulletin, No. 29, March 12, 1959
Monthly Classification Bulletin, No. 35, September 22, 1959
Monthly Classification Bulletin, No. 37, November 17, 1959
Monthly Classification Bulletin, No. 38, December 18, 1959
Monthly Classification Bulletin, No. 43, May 17, 1960
Monthly Classification Bulletin, No. 44, June 15, 1960
Monthly Classification Bulletin, No. 49, February 17, 1961
Item 2 of Monthly Classification Bulletin, No. 53, August 3, 1961
Monthly Classification Bulletin, No. 57, October 18, 1961
Monthly Classification Bulletin, No. 58, November 30, 1961
Monthly Classification Bulletin, No. 59, January 16, 1962
Monthly Classification Bulletin, No. 61, May 15, 1962
Monthly Classification Bulletin, No. 63, August 31, 1962
Monthly Classification Bulletin, No. 65, December 26, 1962
Monthly Classification Bulletin, No. 66, March 20, 1963
Monthly Classification Bulletin, No. 72, August 17, 1964
Monthly Classification Bulletin, No. 71, August 21, 1964

The following documents are being provided with exempt information redacted:

Monthly Classification Bulletin, No. 15, January 27, 1958
Monthly Classification Bulletin, No. 19, May 26, 1958
Monthly Classification Bulletin, No. 23, September 12, 1958
Monthly Classification Bulletin, No. 28, February 18, 1959
Monthly Classification Bulletin, No. 30, April 23, 1959
Monthly Classification Bulletin, No. 32, June 12, 1959
Monthly Classification Bulletin, No. 33, July 23, 1959
Monthly Classification Bulletin, No. 40, February 25, 1960
Monthly Classification Bulletin, No. 45, July 25, 1960
Monthly Classification Bulletin, No. 46, October, 11, 1960
Monthly Classification Bulletin, No. 47, November 25, 1960
Monthly Classification Bulletin, No. 48, December 21, 1960
Monthly Classification Bulletin, No. 53, July 10, 1961
Monthly Classification Bulletin, No. 54, July 28, 1961
Monthly Classification Bulletin, No. 62, July 3, 1962
Monthly Classification Bulletin, No. 67, July 19, 1963
Monthly Classification Bulletin, No. 68, December 20, 1963
Monthly Classification Bulletin, No. 69, February 10, 1964
Monthly Classification Bulletin, No. 76, July 27, 1965

Title 5, United States Code, section 552 (b)(2) (5 U.S.C.(b)(2)) (exemption 2), exempts from disclosure information “related solely to the internal rules and practices of an agency”. The “high 2” category of such records relate to substantial matters, the disclosure of which would risk circumvention of a legal requirement. The information withheld by the DOE under this exemption is predominantly internal in nature since it does not purport to regulate activities among members of the public, nor does it set standards to be followed by agency personnel in deciding whether to proceed against or to take action affecting the public.

Title 5, United States Code, section 552(b)(3) (5 U.S.C. 552(b)(3)) (exemption 3), exempts from disclosure information “specifically exempted from disclosure by statute (other than section 552(b) of this title, provided that such a statute (A) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld...”. The Atomic Energy Act (AEA) of 1954, as amended, 42 U.S.C. 2011 et seq., is an exemption 3 statute. Sections 141-146 of this Act (42 U.S.C. 2161-2166) prohibit the disclosure of information concerning atomic energy defense programs that is classified as Restricted Data (RD) pursuant to the AEA. The portions deleted from the subject document pursuant to exemption 3 contain information about nuclear weapon design that has been classified as RD. Disclosure of this information could jeopardize the common defense and security of the nation.

To the extent permitted by law, the DOE, pursuant to 10 C.F.R. 1004.1, will make available records it is authorized to withhold under the FOIA whenever it determines that such disclosure is in the public interest. With respect to information withheld pursuant to exemption 3, the DOE has no further discretion under the FOIA or DOE regulations to release information currently and properly classified under the AEA. Pursuant to 10 C.F.R. 1004.6(d), I am the official responsible for partial denial of C.F.R. DOE classified information.

Pursuant to 10 C.F.R. 1004.8, the denial of a FOIA request may be appealed, in writing within 30 days after receipt of a letter denying any portion of a request, to the Director, Office of Hearings and Appeals, Department of Energy, 1000 Independence Avenue, S.W., Washington, DC 20585. The written appeal, including envelope, must clearly indicate that a Freedom of Information appeal is being made. The appeal must contain all other elements required by 10 C.F.R. 1004.8. Judicial review will be available to you in the District of Columbia or in the district where: (1) you reside, (2) you have your principal place of business, or (3) the Department’s records are situated.

The above referenced number has been assigned to the request and you should refer to it in any correspondence with the DOE about this matter.

Should you have any questions concerning this request please contact Mr. Fletcher Whitworth, of my staff, at (301) 903-3865.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrew P. Weston-Dawkes', with a stylized flourish at the end.

Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

Enclosures

cc: J. Ogbazghi, ME-74 (without enclosures)
R. Johnston, HS-1.23 (without enclosures)

~~SECRET~~

Mr. Nash

D00009531

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: FEB 21 1957

FROM : C. L. Marshall, Director
Division of Classification, Washington, D. C.SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 4 This document consists of 3 pa
No. 2 or 60 Copies, Series ~~DP-32FR898E3512~~

SYMBOL: C:CFK

The following items are being presented to assist you in your local classification problems:

1. The General Manager approved on January 9, 1957, a "Special Review Program - 1957" (second accelerated declassification review program) to be held in Oak Ridge, Tennessee, beginning Monday, February 11, 1957. It is anticipated that the review program will be completed in about seven weeks. Detailed procedures and arrangements will be similar to the review program completed in February, 1956.
2. A classification guide for existing information on the proposed Merchant Ship Reactor has been approved for use. As new information is developed on this program, supplements to the guide will be issued.
3. A Classification Guide for "Production Reactor Fuel Elements" was approved for use on January 10, 1957. The guide will be issued in two parts, OC-Doc-47 and OC-Doc-48; distribution of OC-Doc-48 will be limited since the topics deal with the classification of information concerned with the development and production of a special fuel element.
4. The Manager, Chicago Operations Office, was advised January 24 that a "Classification Guide for the Fabrication of Naval Reactor Cores" for S1W/S2W, S3W/S4W, S5W, A1W/A2W, F1W, and C1W reactors has been approved for use. This guide lists the classification of information concerned with research, development, production, procurement, and construction and engineering programs related to the fabrication of reactor cores for these naval reactors.
5. In accordance with Topic 1-205 of OC-Doc-44 it has been determined that information concerning the chemical processes used in our chemical processing plants at Savannah River, Hanford or Arco may be considered as unclassified if it does not disclose:
 - a. Production rate data;

~~RESTRICTED DATA~~

This document contains restricted data as defined in the Atomic Energy Act of 1946. Its transmittal or the disclosure of its contents in any manner to unauthorized persons is prohibited.

99-14-07
1. CLASSIFICATION RETURNED TO
2. CLASSIFICATION RETURNED TO
3. GENERAL PURPOSE CLASSIFIED INFO
4. GENERAL PURPOSE UNCLASSIFIED
5. CLASSIFICATION RETURNED
6. CLASSIFIED INFORMATION

~~SECRET~~

- 2 -

- b. Classified characteristics of the material being processed;
- c. Production plant operating conditions; and
- d. Classified programs.

General plant technology is unclassified. Line drawings and flow diagrams showing the equipment arrangement of a plant would also be unclassified.

- 6. Access permit holders in your jurisdiction who receive documents concerned with the Sherwood program, should be notified that if and when they do begin to generate new documents on controlled thermonuclear reactions, they should apply for a copy of the Sherwood Classification Guide (OC-Doc-41); until then, any extracts they prepare of classified reports in their possession should bear the same classification as the report itself.
- 7. All information concerning the design, construction, and operation of the Hanford Plutonium Recycle Reactor has been determined to be unclassified with the exception of:
 - a. Information pertaining to Pu fuel element design and fabrication technology, if alloys containing over 50 atomic percent Pu are involved; and
 - b. Information on the design and construction of the reactor shield if based on military propulsion reactor shield designs.
- 8. The policy of the Commission is to declassify all information necessary to the design, construction and operation of all reactors (see Topic 1-100) except as prohibited by Topics 10-100 and 100-100 of OC-Doc-44. The prohibition was specifically included in Topic 1-100 because it was anticipated, that instances might arise where some data concerning an otherwise unclassified reactor might require classification. It should be noted that the Reactor Supplement of OC-Doc-44 states that "Information as of the date of the guide concerning design...is unclassified". This language was deliberately used to make it clear that if an unclassified reactor is redesigned, the reactor is again classified until the new design has been reviewed and declassified by the Division of Classification. For example, if the core of an unclassified reactor has been redesigned (not merely a second edition of the original core) it should be submitted for review. The replacement of a single pump, valve, etc., would not be considered a major modification to an unclassified reactor.
- 9. The Reactor Supplement of OC-Doc-44 may not be used by Committee Chairmen, to declassify documents. Where a specific topic in the Supplement specifies "U", a new document which clearly falls within

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this topic can be originated by a classifying authority as "Unclassified". Existing classification documents should be submitted for declassification in the usual manner.

10. It has been determined that the 40,000 kilograms of U-235 allocated by the President for peaceful applications of atomic energy is unclassified. Under present regulations, U-235 enriched up to 20% may be allocated for foreign reactors under the "Atoms-for-Peace" program; any quantity of this material, within the 20,000 kg. allocated by the President is unclassified.

Of the 20,000 kg. allocated by the President for access permittees under the CAP program, any quantity of U-235 enriched up to and including 90% is unclassified. Quantities of material within the Presidential allotment, enriched to more than 90% may be declassified upon specific request to the Division of Classification.

Quantities of U-235 outside of the Presidential allotment are classified according to OC-Doc-33. However, as stated in the "Remarks" for Topic 3 of OC-Doc-33, specific quantities of U-235 for use in research reactors, other reactor development uses, or general research programs, may be declassified by the Division of Classification upon specific request. Each case, however, must be considered on an individual basis.

The fact that 93.4% enriched U-235 is "weapons grade material" is classified Secret-Restricted Data. The fact that this assay is "top product" of the gaseous diffusion plant or represents "fully enriched" material is also classified Secret-Restricted Data.

11. The question has arisen whether the declassified schedule of charges may be extrapolated and the additional information thus obtained be issued as unclassified. In context as a table or graph based on the declassified price scale, a table or a graph presenting the declassified price scale plus extrapolations to higher or lower assays computed from unclassified formulas may be issued as unclassified. It is also permissible to use on an unclassified basis zero-cost assay (0.00221) out of context of the rest of the price scale provided that reference to the declassified price scale is made, that is, in computations based on theoretical ideal cascade separative work and cost development, the zero-cost assay derived from the declassified price scale may be used without introducing a reason for classification if the fact is stated that for the sake of convenience the value based on the declassified price scale is being used. The price of MS-40 material (assay 0.004) as deduced from the declassified price scale is unclassified. In making use of the declassified price scale in this way no information should be released from which actual production costs or production rates could be derived.

~~SECRET~~

M. L. H. H.

000009532

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: March 7, 1957

FROM : C. L. Marshall, Director
Division of Classification, Washington, D. C.This document consists of 2 pages
No. 3 of 60 Copies, Series DP-32 F2890E3511

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 4a

SYMBOL: C:CLM

Information received from the Classification Committee Chairmen has indicated that Section 10 of Classification Bulletin No. 4 was probably not clearly worded. In order to clarify the meaning of this section, Classification Committee Chairmen are requested to substitute the following Section 10 for the one now appearing in Bulletin No. 4:

10. It has been determined that the 40,000 kilograms of U-235 allocated by the President for peaceful applications of atomic energy is unclassified. Under present regulations, U-235 enriched up to 20% may be allocated for foreign reactors under the "Atoms-for-Peace" program; any quantity of this material, within the 20,000 kg. allocated by the President is unclassified.

Similarly, of material allocated by the President for access permittees under the CAP program, quantities of uranium of any enrichment up to a total of 20,000 kg. of equivalent top product are also unclassified.

Quantities of U-235 outside of the Presidential allotment are classified according to OC Doc-33. However, as stated in the "Remarks" for Topic 3 of OC Doc-33, specific quantities of U-235 for use in research reactors, other reactor development uses, or general research programs, may be declassified by the Division of Classification upon specific request. Each case, however, must be considered on an individual basis.

The fact that 93.4% enriched U-235 is "weapon grade material" is classified Secret-Restricted Data. In practice we have also been keeping classified any statements on 93.4% enriched material that clearly say that this is the top product of the cascade. Such statements are classified Secret-Restricted Data. We have been declassifying, as a necessary part of the civilian reactor program, (without reference to "weapons grade" or "top product"), the assay of the enriched material which is being used in such reactors.

~~RESTRICTED DATA~~

This document contains restricted data as defined in the Manual of Administrative Control.

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CLASSIFICATION	SECRET
DATE	3-14-57
BY	2. P. H.
REASON	1. 11/4/51
APPROVED	2. 11/4/51
REMARKS	3. 11/4/51
INITIALS	4. 11/4/51
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BY	7. 11/4/51
REASON	8. 11/4/51
APPROVED	9. 11/4/51
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DATE	97. 11/4/51
BY	98. 11/4/51
REASON	99. 11/4/51
APPROVED	100. 11/4/51

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- 2 -

March 7, 1957

Access permit holders have been informed that the classification restrictions that once applied to materials containing in excess of 90% U-235 are no longer in effect. It should be carefully noted, however, that the advice, as stated in the letter from H. L. Price dated February 27, 1957, applies to the materials only.

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~~CONFIDENTIAL~~

H. L. R.

D0000 9533

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

FROM : C. L. Marshall, Director *[Signature]*
Division of Classification, Washington, D.C.

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 6

SYMBOL: C:MLN

DATE: APR 8 1957

1. A number of new classification guides were issued during the month.

OC-Doc-50 - Classification Guide for Nuclear Rocket Engine Program, formerly referred to as the ROVER guide, was issued supplemental to and consistent with the ANP Guide, OC-Doc-42.

OC-Doc-51 - Classification Guide for the Manufacture of Structural Components of Certain Weapons, was issued with this restricted title instead of Thermonuclear Weapons Program as unforeseen problems in weapons not yet in production could not be adequately covered.

OC-Doc-52 - AEC-DOD Classification Guide for Continental Test Operations, is based on OC-Doc-38, AEC-DOD Classification Guide, and the experimental programs for Operation Plumbbob.

OC-Doc-53 - Unclassified Extract of OC-Doc-52, has been prepared for field use where secure storage facilities are not available.

OC-Doc-54 - Classification Guide for Use in the Civilian Application Program has been issued to replace OC-Doc-40 now held by access permittees.

OC-Doc-55 - Sherwood Classification Guide replaces OC-Doc-41 and incorporates recommendations of the First Bipartite International Conference. Fifty copies were sent to the British.

Approval was given to the revised Classification Guide for the Raw Materials Program for issuance by the Division of Raw Materials.

Revision of the Merchant Ship Reactor Classification Guide was approved bringing it into line with the new Responsible Reviewers Guide.

~~RESTRICTED DATA~~

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

~~CONFIDENTIAL~~

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~~CONFIDENTIAL~~

No. 6
Ed

- 2 -

Revisions of the NORE guide, Classification Guide for the Naval Organic Reactor Experiment, recommended by SOO, were approved in part. Topics were downgraded to the same extent as for the STR. Topics dealing with the core, power, and temperatures of this discontinued experiment were thus retained as Confidential as no clear indication was given that classified parameters of other naval reactors were not duplicated.

2. All information on the design, construction, and operation of non-destructive testing equipment for fuel elements which does not reveal classified information regarding the elements of their performance or tested quantities significant to classified production rates was made declassifiable. The appropriate topic is now unclassified in OC-Doc-47, Production Reactor Fuel Element Guide.

~~CONFIDENTIAL~~

~~SECRET~~

J. M. L. Nash

D0000 9534

Office Memorandum • UNITED STATES GOVERNMENT

This document consists of 2 pages

No. 4 of 12 Copies, Series 1

DA-32 FR 89 SE 3810

DATE: MAY 13 1957

TO : Classification Committee Chairman

FROM

Wilbur G. Stansel
C. L. Marshall, Director
Division of Classification, Washington, D. C.

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 7

SYMBOL: C:CFK

1. A revision to the Reactor Supplement of OC-Doc-44, "Declassification Guide for Responsible Reviewers" was issued during the month of April. The basic guide remains unchanged; the Reactor Supplement has been revised to reflect the Commission policy that only information which is essential to a Military Propulsion Reactor System is to remain classified.
2. A classification appraisal of the General Electric Temporary Facility and the Pinellas Park Plant, St. Petersburg, Florida was made on April 15 and 16, 1957. The appraisal report is now being prepared and will be discussed with the Manager, ALOO, before transmitting it to the Director, DMA.
3. The recommendation of AEC 328/13 approving the downgrading from Top Secret to Secret-Restricted Data of U-235 (as equivalent top product) subsequent to January 1, 1957 was implemented during the month of April. The cumulative total of U-235 produced prior to January 1, 1957 will remain classified Top Secret-Restricted Data as will the quantity of U-235 allocated for weapons purposes in any year.
4. The papers to be presented by a U. S. delegation at a Chemical Processing Symposium in Brussels, Belgium May 20-26, 1957 are expeditiously being reviewed for declassification.
5. A revised local classification guide for the MTR and ETR has been approved for use by the IOO.
6. It has been determined that the mere fact that lithium is irradiated at the Savannah River Plant (or the Hanford Plant) is unclassified. Any variation of this statement from which one could imply that the irradiation of lithium is being made on a production basis should be classified S-RD.

~~RESTRICTED DATA~~

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

09-16-07	SEARCHED	INDEXED
11/9/67	SERIALIZED	FILED
MAY 13 1957		

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~~SECRET~~

M. L. N.

D00009535

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: August 15, 1957

FROM : C. L. Marshall, Director *CLM*
Division of Classification, WashingtonThis document contains 2 pages,
Copy No. 4 of 60, Series A

D1-32FR898E3509

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 10

SYMBOL: C:HFG

1. The great number of items which are submitted informally for opinion-type classification reviews, instead of formally through the regular review procedure, makes it extremely difficult for the Patent Branch to keep a check on patentable matter about to be publicly released. Effective immediately, therefore, this type of review may be used for classified documents ONLY when the time available for review, prior to presentation or publication, is unavoidably less than two weeks, or when some other emergency does not permit a regular document review. Complete justification for this type of review MUST be furnished with the request. Documents which fulfill this requirement may be forwarded directly to the Director, Division of Classification, Washington, D. C., or to the Chief, Declassification Branch, Oak Ridge, Tennessee. At least two copies must be submitted with the request—one copy will be returned to the submitting individual and one copy will be retained by the Division of Classification. If patent clearance has been secured before the document is submitted, this fact should be stated along with the request for declassification.
2. As previously stated in item 10 of the February 1957 issue (No. 4) of this Bulletin and in Bulletin No. 4a, the fact that uranium enriched to 93.4% U-235 is "weapons grade", "top product", or "fully enriched" is Secret - Restricted Data. References to certain unclassified reactors frequently describe them as using fully enriched fuel. It cannot be emphasized too strongly that each such occurrence is, in effect, a security violation inasmuch as the fuel assay of an unclassified reactor is itself unclassified and can appear in the same or a different reference. Use of the term "fully enriched" should be replaced by use of "highly enriched", "enriched to over 90%" or the exact enrichment.
3. The actual yield of shot "Smoky" has been declassified. This shot is scheduled for August 19, at which time German and French shelters will be field-tested under blast and pressure. Knowledge of the yield will make the test results meaningful to the interested groups.

This document contains information 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.

U.S. DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DATE: 09-22-67	PERFORMED BY: [illegible]
REASON FOR REVIEW: [illegible]	1. CLASSIFICATION REVIEWED
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3. [illegible]	3. [illegible]
4. [illegible]	4. [illegible]
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Class. Comm. Chrm.

-2-

August 15, 1957

4. A draft classification guide for the GE-ANP project has been informally approved insofar as it deals with Restricted Data.
5. Of the 4087 military reactor reports in Categories 82 through 85 which were reviewed apart from the recent Special Review Program, 1088 have now been declassified, 1743 remain Confidential - Restricted Data, and 1256 remain Secret - Restricted Data.
6. It seems that there is still uncertainty in the field as to the proper handling of Sherwood reports and papers. The following requirement is therefore repeated for your convenience: All papers, reports or other material produced as a result of work on the Controlled Thermonuclear Reactor Program must be initially classified at least Confidential - Restricted Data (even though a topic of the Sherwood Guide (OC Doc-55) may indicate that the information may be unclassified) and submitted to the Director, Division of Classification for review prior to release.

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~~SECRET~~

November 15, 1957

7. To clarify the problem of "transclassification", the authority to classify (which includes the authority to transclassify) is specified in AEC 3401-07. Although the topics of 3401-07 do not include the word "transclassify" the phrases from 3401-07 "may classify documents" and 3401-074 "to classify documents" includes the authority to transclassify as well as classify. The procedures for authorizing the transclassification of Top Secret and Secret or Confidential documents is specified in AEC 3401-101 and -102 respectively. The mechanics of effecting a transclassification action is desired in 3401-112.
8. Although topics for the Army Package Power Reactor, Fort Belvoir, Va. (APPR-1) in the Army Reactor Section of OC-Doc-44, Reactor Supplement are now unclassified, it should be noted this classification guidance applies only to information for the APPR-1 at Fort Belvoir, Va. Information not covered by the listed topics may still require classification under topic 10-100 of the Guide. The APPR-1, APPR-1a (etc.), ALPR or other reactor programs and related research and development programs under the cognizance of the AEC Army Reactors Branch, do not fall within the Unclassified Fields of Research (AEC 3403-05). These reactors are military reactors and are not included in the unclassified reactor listing of the Supplement to OC-Doc-44 (pages 29 and 30). Therefore paragraph 1 of the Monthly Classification Bulletin Number 9, dated July 11, 1957 does not apply to such reactors.
9. The Declassification Branch, Oak Ridge has contacted all class "D" security facilities, i.e., those facilities whose contracts have been terminated but which still hold classified documents, to arrange for declassification review of their classified files. The files of two facilities have been declassified, one by an "on-the-spot" review, the second be a review of all of the documents forwarded to the Declassification Branch.

~~SECRET~~

~~SECRET~~

M. L. Nash

D00009538

Office Memorandum • UNITED STATES GOVERNMENT

TO Classification Committee Chairmen

DATE: December 17, 1957

FROM C. L. Marshall, Director *[Signature]*
Division of Classification, Washington, D. C.This document consists of
pages. No. 3 of 90 Copies,

SUBJECT MONTHLY CLASSIFICATION BULLETIN, NO. 14

[Handwritten: AP32 FR890LD675]
Series A
[Handwritten: Full in my ref]

SYMBOL: C:HFG

1. A "Guide to the Use of the Classification of Top Secret" has been prepared, reflecting changes in classification policy as approved by the Commission, and will be issued December 15 to replace OC Doc-18.
2. Item 4 in the Monthly Classification Bulletin No. 13 is now obsolete. Those who have passed the item on to others should follow up with a notice that it is no longer in effect. Releases in this field should be submitted for review in the usual manner.
3. A comprehensive review of the classification policies in the weapons field has been initiated to bring these policies up to date.
4. Inasmuch as cyclotrons, Van de Graaffs, betatrons, and a large number of reactors have been specifically included in the Guide to Unclassified Fields of Research, OC Doc-54, it was not anticipated that the teletypes of October 30, October 31 and November 1 to Operations Managers, regarding classification of neutron sources would pose any interpretation problems. However, in view of the number of queries that have been received, the following clarification is furnished: The neutron sources referred to are those which are suitable for use or may be adaptable for use as a weapon component.

~~RESTRICTED DATA~~

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.

1. CLASSIFICATION RETAINED	
2. CLASSIFICATION CHANGED TO:	
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~~SECRET~~M. S. Tash
D0000 9540

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: MAR 6 1958

FROM : *Wilbur G. Stanger*This document contains 4 pagesCopy No. 3 of 100, Series 1

for E. L. Marshall, Director

Division of Classification, Washington, D. C.

DP32FR190673

SUBJECT:

MONTHLY CLASSIFICATION BULLETIN, NO. 16

SYMBOL: GCRFK

Please file in my book in the 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-RO

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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	
DATE: 04-28-07	DETERMINATION CODE NUMBER(S)
CLASS: E.O. 12958	1. CLASSIFICATION RETAINED
REASON: 1.1.1	2. DECLASSIFICATION AUTHORITY
DATE: 04-28-07	3. DATE OF REVIEW (SEE 1.1.1)
DATE: 04-28-07	4. DATE OF REVIEW (SEE 1.1.1)
DATE: 04-28-07	5. DATE OF REVIEW (SEE 1.1.1)
DATE: 04-28-07	6. DATE OF REVIEW (SEE 1.1.1)
DATE: 04-28-07	7. DATE OF REVIEW (SEE 1.1.1)
DATE: 04-28-07	8. DATE OF REVIEW (SEE 1.1.1)

~~SECRET~~

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:

U

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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Office Memorandum • UNITED STATES GOVERNMENT

DO0009541

TO : Classification Committee Chairmen

DATE: MAR 27 1956

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

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 17

SYMBOL: C:CFK

*Take with
my monthly
bulletins
in C.*

1. Topic 3.1 of the Chicago Operations Office classification guide for the Centralized Procurement of Gadolinium has been revised to read "Specific amounts being transhipped to GE-ANPD up to a total of 500 lbs. -- Unclassified." Topic 3.1.1, "Specific amounts being transhipped to GE-ANPD excessive of a total of 500 lbs. -- C-RD." C-RD
2. A revised classified guide for the Controlled Thermonuclear Reactor Program (OC-Doc-59) has been approved for use. Copies of the Guide have been distributed to personnel directly concerned with the Sherwood Program. Requests for additional copies of the Guide, with justification for their need, should be addressed to the Director, Division of Classification, Headquarters. U
3. Topic II B 2 b (15) of the Y-12 Classification Guide, has been revised to read "Calcium procurement including specifications -- Unclassified." U
4. The Atomic Energy Act of 1954 requires that all information falling within its definition of Restricted Data be born classified. Of all the types of information which are covered by the definition of Restricted Data in the Atomic Energy Act, weapons information is the most significant from the point of view of national security. It follows, therefore, that weapons information is inherently classified and may only be proposed for declassification when it can be clearly demonstrated that such an action is necessary. It has been generally assumed that the degree of sensitivity of our information depends only on known information about USSR successes in the weapons field. It must be recognized, however, that the declassification of weapons information must be based not only upon USSR accomplishments, but also on the possible effect that such action may have in disturbing the world balance of power by enabling such other nations as France and Argentina through the declassification of weapons information to build atomic weapons. C-RD

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DATE	DETERMINATION (CIRCLE NUMBER(S))
03-23-07	
1. CLASSIFICATION RETAINED	
2. CLASSIFICATION CHANGED TO:	
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D00009542

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: APR 20, 1958

FROM

W. L. Marshall
C. L. Marshall, Director

Division of Classification, Washington, D. C.

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 18

SYMBOL: C:CFK

1. The following excerpts from a speech made by Commissioner Vance at Idaho Falls, Idaho, on October 2, 1957, delineate clearly the fields of information which, from the point of view of national security, must remain classified. It is recommended that copies be made available to all AEC and contractor employees concerned with the weapons program:

"As a first step in this process, I should remind you that the Atomic Energy Commission has two major purposes or reasons for its existence. The first of these was the original purpose of the wartime Manhattan District; it is to design, develop, and manufacture nuclear weapons. That still is the primary and overriding responsibility of the Commission, one upon which I firmly believe the peace and safety of the world depend. The other major objective of the Commission is to promote the development of nuclear energy for peaceful purposes. The importance of this second objective is great as we all recognize. It is second only to the maintenance of that military strength which guarantees our existence as a nation.

"One of the areas in which the Commission has been often misunderstood stems from the interrelation of the two distinct purposes of the Commission which I have just stated. It is the matter of secrecy. There is no clear demarcation between the military and the civilian technical work of the Commission. I think you will agree with me that in matters having to do with military application it is extremely important that the Commission take every possible precaution against the weakening of our national security by allowing important military information to fall into the hands of those who are or could be potential enemies of ours.

"There is evidence that the whole body of technical knowledge about nuclear weapons possessed by the Soviet Union did not generate inside its own scientific competence. On the contrary, it is clear that an important segment of that knowledge was obtained from us, some of it through inadvertence and some of it,

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APR 23 1958

as we all know, through the disloyalty of individuals privy to some details of our know-how. The danger to our national security through lack of proper security measures is as great or greater today than it has been at any time in the past, and the responsibility of the Commission to safeguard this security is not relaxed nor is it likely to be in the foreseeable future.

"I said that there was no clear line of demarcation between military and civilian technology in the atomic energy field. This being true, the Commission must be doubly sure that in releasing what appears to be strictly civilian information it is not at the same time compromising information of military value. This fact accounts for the frequent criticism of the so-called "secrecy policy" of the Commission, which criticism is, I believe, quite without justification. The Commission desires to release and is releasing every bit of information about application of atomic energy which it can properly do consistent with its statutory mandate to protect and preserve our advantageous position with respect to military usage."

2. It has been determined that under certain conditions, the declassification of depleted uranium would benefit not only the civilian power reactor field, but also research and development work now being conducted within other phases of the Atomic Energy Program.

Accordingly, the Commission has:

- a. declassified the existence of depleted uranium with an assay of 0.22 (plus or minus 0.02) weight percent U-235;
- b. determined that provided materials of assay above 0.22 (plus or minus 0.02) weight percent U-235 is specifically requested by a user, material of the assay requested is also unclassified;
- c. declassified the following schedule of charges and buy-back prices or any modifications of that schedule which do not reveal Atomic Energy Commission production costs; and

PROPOSED SCHEDULE OF PRICES AND CHARGES FOR DEPLETED URANIUM

Base Charges for Depleted Uranium Furnished by
AEC as UF₆ f.o.b. Paducah, Kentucky

<u>Weight Fraction</u> <u>U-235</u>	<u>Charge</u> <u>Per Kg/U</u>	<u>Weight Fraction</u> <u>U-235</u>	<u>Charge</u> <u>Per Kg/U</u>
.0036 and lower	\$ 5.00	.0060	\$ 26.90
.0040	8.15	.0062	29.00
.0050	16.65	.0064	31.25
.0052	18.65	.0066	33.50
.0054	20.65	.0068	35.75
.0056	22.65	.0070	38.15
.0058	24.75		

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

APR 23 1958

Credits for Depleted Uranium as UF₆ f.o.b. Paducah,
Kentucky, Meeting Project Specifications

<u>Weight Fraction</u> <u>U-235</u>	<u>Price</u> <u>Per Kg/U</u>	<u>Weight Fraction</u> <u>U-235</u>	<u>Price</u> <u>Per Kg/U</u>
.0028	\$ 1.00		
.0030	1.90		
.0036	5.00		
.0040	8.15	.0060	\$ 26.90
.0050	16.65	.0062	29.00
.0052	18.65	.0064	31.25
.0054	20.65	.0066	33.50
.0056	22.65	.0068	35.75
.0058	24.75	.0070	38.15

- d. declassified the assay of depleted uranium from civilian power reactors. (The assay of depleted uranium from production reactors remain classified.)
3. A revised Yttrium Classification Guide was issued March 3, 1958. The revised guide permits the unclassified release of the following information:
 - a. Interest of the AEC in yttrium and/or its compounds except hydride, when no project is specified
 - b. Centralized procurement by COO of yttrium and/or its compounds (except hydride)
 - c. Identification of yttrium suppliers
 - d. Basic research on yttrium or its compounds (except hydride)
 - e. Identification of yttrium metal, not specific compounds, as a special reactor material.
4. The mere fact that Cerium-144 is used in the ANP or SNAP Program is unclassified. Topic 2.2.4 of the SNAP Classification Guide has been changed from Confidential Defense Information to Unclassified.
5. The fact that the SNAP-III Project, as proposed by the Westinghouse Electric Corporation, is for the development of a small power supply for possible use in Project Vanguard is unclassified. The fact that Cerium-144 or polonium may be used to produce a small electric power source in this project is also unclassified.
6. The Merchant Ship Reactor, a pressurized water reactor, being built by Babcock & Wilcox, has been added to the list of unclassified reactors in OC Doc-54.

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~~CONFIDENTIAL~~

APR 28 1958

Classification Committee Chairmen -4-

7. It has been determined that the association of Project Pluto with the Nuclear Ramjet Program is unclassified.
8. It has been determined that any information which reveals even by inference, the location at which Operation Plow-share may be held is classified Confidential Defense Information.

Addressees:

W. H. Lawrence, ALOO
G. Stubbings, BAO
C. E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
A. T. Morphew, ICO
L. R. Michener, OROO (30)
M. F. Moore, SAN
J. V. Levy, SROO
L. C. Cooper, SOO
H. F. Carroll, ORE (2)

Director, B&M

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Manager, ALOO

" COO
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" ICO
" NYOO
" OROO
" SAN
" SROO
" SOO

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~*M. L. Nash*
D00009544

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: JUN 16 1958

FROM : *William A. Starnes*
C. L. Marshall, Director
Division of Classification, Washington

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 20

SYMBOL: C:CFK

1. In accordance with the Commission approval of the recommendations of AEC 720/73, "Classification of Depleted Uranium", the Division of Classification is conducting a survey to determine whether the depleted uranium already distributed on a classified basis may be declassified. Managers of Operations have been requested to inform us of the quantities of depleted uranium in the hands of their contractors, its assay and the date it was acquired. If this material cannot be associated with gaseous diffusion plant tails assays at any point in time, it may be possible to declassify it.
2. It has been determined that the mere fact that the United States has developed atomic munitions suitable for use in demolition work is unclassified.
3. The mere fact that Savannah River routinely ships enriched fuel elements to the Idaho Chemical Processing Plant for reprocessing is unclassified. The classification guides for Savannah River Operations and the Idaho Chemical Processing Plant contain guidance relating to the classification of the materials per se, shipments, etc.
4. The following classification guides have been approved for use:
 - a. Army Compact Reactor Project
 - b. Project Flowshare (OC Doc-64).
5. It has been determined that the fact that tests in the Hardtack series below 200 KT will not be announced is classified Confidential Defense Information.
6. An invitation has been extended by the United Kingdom to the U. S. and Canada to hold the Ninth International Declassification Conference at Harwell, England, tentatively scheduled for September 22, 23, and 24, 1958. This division is preparing a staff paper

13-9-07	SEARCHED
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<i>Bethel H. Harris</i>	INDEXED
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Classification Committee Chairmen -2-

JUN 16 1958

presenting a draft revised declassification guide including a revised classification policy statement to serve as the U. S. position for discussion at the conference.

7. Item 6 of Classification Bulletin No. 19 should be revised to read: "It has been determined that the following facts on the Heat Transfer Reactor Experiment (HTRE-1) are unclassified:"
8. The ZPR-IV, ZPR-V, ZPR-VII and the Three-foot Exponential Projects at the Argonne National Laboratory have been designated as unclassified research projects.
9. It is no longer necessary to classify documents originated in the civilian reactor program which describe 93.4% enriched U-235 as "fully enriched". This guidance does NOT supersede topic 10 of Classification Bulletin 4a dated March 7, 1957, which is still valid.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Classification Committee Chairmen

-3-

JUN 16 1958

Addressees:

W. H. Lawrence, ALOO
G. Stubbings, BAO
C. E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
A. T. Morphew, IOO
L. R. Michener, OROO (30)
M. F. Moore, SAN
J. V. Levy, SROO
L. C. Cooper, SOO
H. F. Carroll, ORE (2)
Director, B&M

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Manager, ALOO

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PNROO
SAN
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William W. Henoch, TIS

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

D00009545

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairman

DATE: JUL 17 1958

FROM : C. L. Marshall, Director
Division of Classification, Washington

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 21

SYMBOL: C:CFK

1. It has been determined that the "Astron" device is unclassified; arrangements are being made to exhibit this CTR device at the 1958 Geneva Conference. U
2. A "Classification Guide for Research and Development Leading to a Nuclear Reactor for Ramjet Missiles" has been approved for use. Requests for copies of the guide should be addressed to the Manager, San Francisco Operations Office. U
3. The 42nd Meeting of the Committee of Senior Reviewers was held June 16, 17 and 18, at Berkeley, California. The meeting was devoted entirely to discussion of a draft of the proposed revised Declassification Guide for Responsible Reviewers. The results of the discussions will be incorporated in a draft guide which will be submitted for Commission consideration during the month of July. CRD
4. The list of unclassified reactors specified in topic 2 of OC Doc-54 has been revised. Copies of the revision have been forwarded to all holders of the guide. U
5. A revised AEC-DOD Classification Guide (OC Doc-56) was approved for use July 1, 1958. Requests for copies of the guide should be submitted with justification to the Director, Division of Classification, Headquarters. Military personnel and contractors performing work under a military contract requiring copies of the guide, should submit their requests through military channels. U
6. A Classification Guide for Project SNAP-I (SO-29) has been approved for use. This guide supersedes SO-25, dated January 29, 1958. Requests for copies of the guide should be addressed to the Manager, Schenectady Operations Office. U

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~~CONFIDENTIAL~~

20070001481

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Classification Committee Chairmen

-2-

JUL 17 1958

Addressees:

W. H. Lawrence, ALOO
G. Stubbings, BAO
C. E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
A. T. Morphew, IOO
L. R. Michener, OROO (30)
M. F. Moore, SAN
J. V. Levy, SROO
L. C. Cooper, SOO
H. F. Carroll, ORE (2)
Director, B&M

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DIA

L&R

DMA

PROD

DRD (10)

RES

SEC

Controller, FIN

Manager, ALOO

COO

GJOO

HOO

IDOO

NYOO

OROO

PNROO

SAN

SROO

SOO

William W. Henoch, TIS

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~Mr. Nash
D00009546

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: AUG 12 1958

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 22

SYMBOL: C:CFK

Ple file
my book
note

1. It has been determined that information on the proposed new Hanford Production Reactor will be classified the same as information pertaining to the Hanford "K" reactors. U
2. The term "One Point Detonation" has been declassified in connection with the 1955 safety experiments. The mere use of this term in connection with planned safety experiments or accidents involving weapons is also unclassified. U
3. The core lattice spacing of the Gas Cooled Reactor Experiment No. 1 (GCRE-1) has been declassified. Topic 2.4.2 of the AREA Classification Guide has been changed from Confidential Restricted Data to Unclassified. U
4. Since the U. N. Observer Shot, i.e., "Shot PINON" of operation Hardtack, has been cancelled all concerned have been notified that all information proposed for declassification in connection with this shot will not be released but will retain its original classification. C-RD

10-01-07	CLASSIFIED
4/13/67	DECLASSIFIED
Betty H. Brown	

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2007001481

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Classification Committee Chairmen

-2-

AUG 12 1958

Addressees:

W. H. Lawrence, ALOO
G. Stubbings, BAO
C. E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
A. T. Morphew, IDOO
L. R. Michener, OROO (30)
M. F. Moore, SAN
Jack Kruth, SROO
L. C. Cooper, SOO
H. F. Carroll, ORE (2)
Director, B&M

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William W. Henoch, TIS

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~~SECRET~~

Murray H. Mack

D00007548

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: NOV 28 1958

FROM : C. L. Marshall, Director
Division of Classification, HeadquartersThis document consists of 3 pgs.
No. 92 of 120 copies, Series 1
DP32FR89010671

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 25

SYMBOL: C:CFK

1. On several occasions in the past we have been asked to answer questions concerning various aspects of our program dealing with the preparation of local guides, the effect of published newspaper and magazine articles on the classification program, etc. The following has been prepared to answer those questions which have been most commonly asked:
 - A. A compilation of unclassified information is unclassified. Therefore, if an area of information has an overall classification some, if not all, of the data which makes up this area must be classified.
 - B. In preparing the drafts of a local classification guide, information listed as unclassified by one or more of the draft topics should not permit the release of information classified by other draft topics of the guide.
 - C. Newspaper and magazine articles do not justify declassification of information unless the published information is a statement officially released by the AEC. AEC and contractor personnel should be advised that any statements they make confirming or denying the accuracy of non-officially released information may in fact reveal classified data.
 - D. The national defense and security is the basis for taking any classification or declassification action. The criteria for balancing security considerations are given in AEC 3404-04. The responsibility for making judgments under these criteria has been delegated by the General Manager to the Division of Classification, Headquarters. Redlegation of this authority has been given to the field in special cases.

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FEDERAL BUREAU OF INVESTIGATION	
DATE: 11/13/67	CLASSIFICATION: SECRET
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Classification Committee Chairmen - 2 -

NOV 28 1958

2. In several instances documents issued as unclassified have, upon later authoritative review, been found actually to contain Restricted Data. Any notice indicating that such document requires a classification should be distributed on a classified basis.

U

3. The practice of copying "Subject" lines from classified correspondence and using them in unclassified correspondence has resulted in some instances in security violations because the "Subject" lines were in themselves classified. Item (1) of Classification Bulletin No. 15, which reads as follows, bears repeating for the guidance of all Classification Officers:

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"Where feasible, the Subject lines in classified correspondence should be unclassified. If a classified subject line is required, the author should indicate on the correspondence, its proper level of classification in parentheses at the end of the "Subject" line."

4. The mere fact that we have a large-scale tritium production program is classified Secret Restricted Data. The fact that tritium is produced in the control rods of the Savannah River reactors, incident to reactor control, is unclassified.

S-RD

5. Controlled Thermonuclear Reactor research has been approved as an unclassified area of research. This means that all work concerned with this program can be conducted in the complete freedom of academic science, without the need for security restrictions. It must be clearly understood, however, that this applies only to CTR information. Any classified information from other programs that might be introduced into the Sherwood program (CTR program) remains classified and must receive the protection required by security regulations.

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6. The Classification Guides, OC Doc-47, "Classification Guide for Reactor Fuel Elements", and OC Doc-59, "C.T.R. Classification Guide" are now obsolete. Notices have been sent to all holders of copies of

U

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NOV 28 1956

the guides to return them to the Declassification Branch, Oak Ridge, or destroy in accordance with established security procedures. However, an exception has been made to allow the feed materials plants to use OC Doc-47 on an interim basis, pending the revision of a new classification guide for their operation.

7. Dr. Daniel J. Pflaum, formerly with the Division of Licensing and Regulation, has joined the Division as Senior Classification Analyst, Classification Branch. Mr. Bram Feldman has transferred to the Division of Military Application, Reports and Information Branch, Headquarters. U
8. The Division of Classification has moved to a new location in the Germantown, Headquarters, building - Wing G, 4th Floor, Rooms 450-459. U

Addressees:

W. H. Lawrence, ALOO
Charles E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
Alan T. Morpew, IDOO
L. R. Michener, OROO (30)
M. R. Moore, SAN
J. H. Kruth, SROO
L. C. Cooper, SOO

~~SECRET~~

~~CONFIDENTIAL~~

M. L. Nash

D00009549

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: DEC 19 1958

FROM: *for* C. L. Marshall, Director *W. L. Nash*
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 26

SYMBOL: C:CFK

1. Since there are local Classification Guides now available which provide detailed classification guidance for the Naval Reactor Program, the Naval Reactors Section of the Reactor Supplement to OC Doc-44 has been recalled. U
2. A meeting of an ad hoc committee to formulate a revised weapons classification policy was held in Washington November 5 - 14, 1958. U
3. The Commission has recently reviewed the classifications now in effect on information concerning the feed materials program. During this review it was noted that while the chemical and metallurgical processes used in the feed materials plants to produce uranium metal from ore had been declassified, no information concerning the design or operating characteristics of such plants had been released. The Commission has now approved the declassification of all information concerning the plants for the production of uranium metal at Destrahan Street, St. Louis, (except the uranium metal and intermediate compounds production rate prior to fiscal year 1955), and Weldon Spring, Missouri, facilities, while maintaining as classified, technological details, concerning the processes used at Fernald. The total project production rate of uranium metal and of all intermediate compounds will remain classified. The fact that the Commission is or is not stockpiling ore concentrates is classified Confidential Restricted Data. It is expected that a revised classification guide for the feed materials program will be issued in the near future. C-RD
4. Numerous inquiries have been made recently regarding the review for downgrading or declassification of Top Secret reports. It is apparent that many offices still retain the Top Secret classification on documents which now may be downgraded, or even declassified. All Classification Officers should note the provisions of AEC Manual Chapter U

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CLASSIFICATION GUIDE	
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Classification Committee Chairmen

-2-

DEC 19 1958

2106-09. It is suggested that the Classification Officers take appropriate action to initiate a review of all Top Secret documents in their offices and if declassification action is appropriate to initiate such action within the provisions of AEC 3402. It should be noted that such reviews should be held periodically every six months.

5. The Army Package Power Reactor No. 2 has been added to the list of unclassified reactors.

U

Addressees:

W. H. Lawrence, ALOO
Charles E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
Alan T. Morpew, IDOO
L. R. Michener, OROO (30)
M. R. Moore, SAN
J. H. Kruth, SROO
L. C. Cooper, SOO

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Office Memorandum

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UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: MAR 12 1959

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

This document consists of 3
No. 101 of 120 Copies, Series

DP32FR900668

He in my

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 29

SYMBOL: C:HFG

Classification
of Item

1. L. C. Cooper, formerly Classification Officer at the Schenectady Naval Reactors Operations Office, has been transferred to the position of Classification Officer, New York Operations Office. U
2. ✓ The Neutron Irradiation Facility, Argonne National Laboratory, has been placed in the unclassified fields of research. U
3. Additional or revised detailed classification guidance has been furnished, and is available to others concerned, on the association of yttrium and beryllium with the ANP program, on the ORNL molten salt and liquid metal fuel programs, and, to avoid any compromise of the Savannah River flux, on the program for producing research quantities of transplutonium elements. U
4. ✓ The following classification determinations have been made and this notice will serve as authority to alter local guides accordingly: U
 - a. The fact that the AEC can supply a Flowshare device having a 30 in. diameter and a yield of 300 kilotons is unclassified.
 - b. The definition of CAMAL (Continuously Airborne Missile Launching and Low Level Penetration Weapon System) is unclassified.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
REVIEW DATE: 10-03-07	DETERMINATION (CIRCLE NUMBER(S))
APPROVAL: [initials]	1. CLASSIFICATION RETAINED
REVIEWER: [initials]	2. CLASSIFICATION CHANGED TO:
REVIEW DATE: 11/13/07	3. COMMENT: NO DOE CLASSIFIED INFO
REVIEWER: [initials]	4. COMMENT: VARY
REVIEW DATE: [blank]	5. CLASSIFICATION CANCELED
REVIEWER: [initials]	6. CLASSIFIED INFO BRACKETED
REVIEW DATE: [blank]	7. OTHER (SPECIFY):

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Classification Committee Chairmen - 2 -

Classification
of Item

- c. Aerial photos of AEC production and weapon facilities are classified Confidential Defense Information.
5. There is an increasing cause for concern in the appearance of data dealing with the transient effects of radiation on electrical components and other materials, where the radiations approach those obtainable in a nuclear explosion and the components and materials are similar to those in our nuclear weapons. The release of data of this type might reveal information concerning our weapons which has a high degree of security sensitivity. Your attention is directed to topic 3-2(5), OC Doc-56, Vulnerability to Countersubstances -- TS-S, FRD. S-DI
6. It has been noted that many AEC and contractor employees are unaware of the rule, as given in AEC Manual Chapter 2401-165, that "combinations of safes and vaults are to be classified no lower than the highest classification of the matter authorized for storage therein." U
7. From time to time, individuals or groups, particularly those which travel outside the United States, may be contacted by representatives of U. S. intelligence agencies and briefed on information collection activities of the U. S. and other nations. It should be borne in mind that information on such activities is classified not lower than Confidential Defense Information since its disclosure might injure the diplomatic position of the United States and of its friends. For example, at the Geneva Conference, a group of American scientists were advised that the Russians were making nuisances of themselves at the U. S. exhibits by asking interminable questions in a very arrogant and offensive manner while refusing to identify themselves in any way. Other such behavior by the Russians was also mentioned. The scientists were advised against answering any questions asked in this manner by the Russians. The scientists were also asked not to disclose the advice they had received. In spite of the warning, however, an unclassified report containing reference to the intelligence briefing was written by one of those attending the session with the result that effort is now being expended in an attempt to retrieve all copies of the report. C-DI

~~SECRET~~

~~SECRET~~

Classification Committee Chairmen - 3 -

Addressees:

W. H. Lawrence, ALO
Charles E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
Alan T. Morphew, IDOO (10)
L. C. Cooper, NYOO
L. R. Michener, OROO (30)
M. F. Moore, SAN
J. H. Kruth, SROO
Ivan Rice, LAROO
Cmdr. J. E. C. Wright, PNROO

Copies to:

Gordon Stubbings, BAO
H. F. Carroll, ORE
H. S. Traynor, AGM

Director, B&M

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Office Memorandum • UNITED STATES GOVERNMENT

TO : Those Listed Below

DATE: September 22, 1959

FROM : C. L. Marshall, Director *CLM*
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 35

SYMBOL: C:CFK

Classification
of Item

1. The question has been raised as to whether unclassified programs may remain unclassified when individuals working on the program receive access to classified information. It should be noted that an unclassified program is so designated because it is considered that the chances of developing classified information as a result of the work being conducted in that program is essentially zero. Properly cleared INDIVIDUALS working in unclassified programs may, for legitimate reasons, receive access to classified information. This condition alone would not require that the unclassified program in which they are engaged becomes a classified program. If, however, any classified information that they obtain is used or incorporated directly or indirectly in their unclassified program, it immediately becomes a classified program and a new determination would be required before it could again become unclassified. U

Unclassified programs in themselves do not require classified information. It must be assumed that a PROGRAM requiring classified information would use that information and be, therefore, a classified program.

2. The mere fact that the Johnston Island shots introduced tritium into the stratosphere is unclassified. U
3. ANP research data on the basic chemistry and metallurgical properties (including phase diagrams) of yttrium binary systems has been declassified. Information on ANP reactor component development and data on yttrium tertiary systems remains classified. C-RD

35

DEPARTMENT OF ENERGY CLASSIFICATION REVIEW	
DATE: 10-05-07	EXPLANATION OF AGENCY REVIEW
1. INFORMATION CONTAINED	
2. IS UNCLASSIFIED	
3. DATE: 11/14/07	
4. BY: [Signature]	
5. CLASSIFICATION CANCELED	
6. CLASSIFIED INFO BRACKETED	
7. OTHER (SPECIFY):	

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Those Listed Below

- 2 -

4. A Classification Guide for Research and Development Leading to a Nuclear Reactor for Ramjet Missiles has been approved for use. The guide, OC Doc-66, will be distributed in the near future. U
5. Dr. Winston Manning, Argonne National Laboratory, has been reappointed as a member of the Committee of Senior Reviewers for the period September 1959 through October 1964. U

Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers
Division of Classification

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Office Memorandum • UNITED STATES GOVERNMENT

TO : Those Listed Below

DATE: November 17, 1959

 FROM : *William A. Starnes*
 C. L. Marshall, Director
 Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 37

SYMBOL: C:CFK

Classification of Item

1. A meeting was held October 7 and 8 at AEC Headquarters with AEC Classification Officers and contractor personnel who are concerned with classification problems in attendance. The primary purpose of the meeting was to identify and discuss classification and declassification problems which have arisen in the field and to discuss solutions thereto. U

2. To assure that all contractors and others engaged in work for the AEC are aware of and understand the rules for the proper classification of reports a new paragraph will be added to AEC Manual Chapter 9111 as a mandatory section to be included in all AEC contracts: U

"In the performance of work under this contract, contractors shall assign classifications to all documents, material, and equipment originated or generated by the contractor in accordance with classification guidance furnished to the contractor by the Commission. The contractor will furnish classification to the subcontractors and vendors."

3. The code words "Hardtack-Argus" and "Floral" have been declassified. U

4. It has been determined that information concerning the Eniwetok Proving Ground phase-down which does not reveal the planned capability for the resumption of testing is unclassified. Information which reveals that we are maintaining a capability to resume testing at EPG after a definite time interval for preparations, such as a 12 month interval, is classified Confidential Defense Information. C-DI

This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

DEPARTMENT OF DEFENSE CLASSIFICATION REVIEW	
REVIEWED: 10-25-67 BY: B.D. Am DATE: 11/14/67 SIGNED: <i>William A. Starnes</i>	RECLASSIFICATION (SEE NUMBER 5) 1. INFORMATION ATTAINED 2. INFORMATION NOT ATTAINED 3. INFORMATION NOT ATTAINED 4. INFORMATION NOT ATTAINED 5. INFORMATION NOT ATTAINED 6. INFORMATION NOT ATTAINED 7. INFORMATION NOT ATTAINED 8. INFORMATION NOT ATTAINED 9. INFORMATION NOT ATTAINED 10. INFORMATION NOT ATTAINED 11. INFORMATION NOT ATTAINED 12. INFORMATION NOT ATTAINED 13. INFORMATION NOT ATTAINED 14. INFORMATION NOT ATTAINED 15. INFORMATION NOT ATTAINED 16. INFORMATION NOT ATTAINED 17. INFORMATION NOT ATTAINED 18. INFORMATION NOT ATTAINED 19. INFORMATION NOT ATTAINED 20. INFORMATION NOT ATTAINED 21. INFORMATION NOT ATTAINED 22. INFORMATION NOT ATTAINED 23. INFORMATION NOT ATTAINED 24. INFORMATION NOT ATTAINED 25. INFORMATION NOT ATTAINED 26. INFORMATION NOT ATTAINED 27. INFORMATION NOT ATTAINED 28. INFORMATION NOT ATTAINED 29. INFORMATION NOT ATTAINED 30. INFORMATION NOT ATTAINED 31. INFORMATION NOT ATTAINED 32. INFORMATION NOT ATTAINED 33. INFORMATION NOT ATTAINED 34. INFORMATION NOT ATTAINED 35. INFORMATION NOT ATTAINED 36. INFORMATION NOT ATTAINED 37. INFORMATION NOT ATTAINED 38. INFORMATION NOT ATTAINED 39. INFORMATION NOT ATTAINED 40. INFORMATION NOT ATTAINED 41. INFORMATION NOT ATTAINED 42. INFORMATION NOT ATTAINED 43. INFORMATION NOT ATTAINED 44. INFORMATION NOT ATTAINED 45. INFORMATION NOT ATTAINED 46. INFORMATION NOT ATTAINED 47. INFORMATION NOT ATTAINED 48. INFORMATION NOT ATTAINED 49. INFORMATION NOT ATTAINED 50. INFORMATION NOT ATTAINED 51. INFORMATION NOT ATTAINED 52. INFORMATION NOT ATTAINED 53. INFORMATION NOT ATTAINED 54. INFORMATION NOT ATTAINED 55. INFORMATION NOT ATTAINED 56. INFORMATION NOT ATTAINED 57. INFORMATION NOT ATTAINED 58. INFORMATION NOT ATTAINED 59. INFORMATION NOT ATTAINED 60. INFORMATION NOT ATTAINED 61. INFORMATION NOT ATTAINED 62. INFORMATION NOT ATTAINED 63. INFORMATION NOT ATTAINED 64. INFORMATION NOT ATTAINED 65. INFORMATION NOT ATTAINED 66. INFORMATION NOT ATTAINED 67. INFORMATION NOT ATTAINED 68. INFORMATION NOT ATTAINED 69. INFORMATION NOT ATTAINED 70. INFORMATION NOT ATTAINED 71. INFORMATION NOT ATTAINED 72. INFORMATION NOT ATTAINED 73. INFORMATION NOT ATTAINED 74. INFORMATION NOT ATTAINED 75. INFORMATION NOT ATTAINED 76. INFORMATION NOT ATTAINED 77. INFORMATION NOT ATTAINED 78. INFORMATION NOT ATTAINED 79. INFORMATION NOT ATTAINED 80. INFORMATION NOT ATTAINED 81. INFORMATION NOT ATTAINED 82. INFORMATION NOT ATTAINED 83. INFORMATION NOT ATTAINED 84. INFORMATION NOT ATTAINED 85. INFORMATION NOT ATTAINED 86. INFORMATION NOT ATTAINED 87. INFORMATION NOT ATTAINED 88. INFORMATION NOT ATTAINED 89. INFORMATION NOT ATTAINED 90. INFORMATION NOT ATTAINED 91. INFORMATION NOT ATTAINED 92. INFORMATION NOT ATTAINED 93. INFORMATION NOT ATTAINED 94. INFORMATION NOT ATTAINED 95. INFORMATION NOT ATTAINED 96. INFORMATION NOT ATTAINED 97. INFORMATION NOT ATTAINED 98. INFORMATION NOT ATTAINED 99. INFORMATION NOT ATTAINED 100. INFORMATION NOT ATTAINED

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Classification
of Item

5. Recently a number of articles have been published in magazines and newspapers which discuss performance and characteristics of military propulsion reactor systems and missile systems with nuclear warheads. AEC and contractor personnel should be cautioned that such articles have not been approved for official release and do not constitute authorization for unclassified publication of the data by AEC and contractor personnel. U
6. Since it has been determined that all information on design, construction and operation of the electromagnetic separation plant is declassifiable, the production rate of the electromagnetic separation plant is now unclassified. U

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers
Division of Classification

~~CONFIDENTIAL~~


Flash

DOO00 9558

Office Memorandum • UNITED STATES GOVERNMENT

TO : Those Listed Below

DATE: December 18, 1959

FROM : C. L. Marshall, Director 
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 38

SYMBOL: C:CFK

Classification
of Item

1. Reference is made to Classification Bulletin No. 28, Item 11. It has now been determined that whenever documents issued as unclassified are found upon later authoritative review to contain either Restricted Data or Defense Information, notices indicating that such documents require classification should be classified as Defense Information. This procedure also applies when notices are issued stating documents have been erroneously declassified.

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2. The use of code words or pseudo-code words in documents intended for publication should be discouraged. If the practice compromises a true code word it is a security violation; if it obscures the meaning it frustrates the purpose of the document.

U

Conversely, there is little to be gained by using code words in a classified document. One of the principal objectives of classification is to permit the writer to express his thoughts clearly under the protection of the security measures that classification invokes.

Perhaps worst of all is the use of codes and/or pseudo-codes together with obscure language in an effort to avoid the necessity of classifying a document. It may be easier to mystify the recipient than a clever espionage agent!

3. The following new reactor facilities as authorized for construction at NRTS have been added to the list of unclassified reactors:

U

Nuclear Test Plant (NTP), a 60 MWT pressurized reactor for full scale core testing of APPR program prototypes

Classified To Be Unclassified

R. D. B.  HS-93

OCTOBER 05, 2007

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Advanced Reactivity Measurement Facility (ARMF) to augment the existing Reactivity Measurement Facility (RMF)

Special Power Excursion Reactor Test No. 4 (SPERT-IV), reactor facility for full-scale investigation of reactor stability.

4. The Hot Critical Experimental Facility (operated in the Critical Experiment Cell of the Low Power Test Facility at NRTS-Idaho) and the Solid Moderator Reactor Facility at GE-ANP, Evendale, have been declassified. Although both reactor facilities per se as presently constituted are unclassified, when classified components or assemblies are installed, the classification of the facility will be that of the highest classified component incorporated therein. U
5. In reference to Item 2 of Classification Bulletin No. 37 dated November 17, 1959, the last sentence of the new paragraph to be added to AEC Manual Chapter 9111 should read "The contractor will furnish classification guidance to the subcontractors and vendors." U

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers
Division of Classification

~~CONFIDENTIAL~~

561
D00009561

UNITED STATES GOVERNMENT

Memorandum

TO : Those Listed Below

DATE: May 17, 1960

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 43

SYMBOL: C:CFK

Classification
of Item

1. The association of yttrium-based hydride with the SNAP-8 Fuel Development Program is classified Confidential-Restricted Data. Because of the sensitivity to the manned nuclear aircraft program, information developed by the high-temperature irradiation program involving tertiary yttrium or yttrium-hydride systems is classified S-RD. C-RD
2. A revised GE-ANPD Classification Guide TP-4 has been approved for use replacing GE-ANPD Classification Guide TP-3, dated November, 1958. The revised guide issued May 3, 1960, identified as XDCL-60-5-100 is being distributed by the Atomic Products Division, GE-ANPD, Cincinnati, Ohio. U
3. The basic problem relative to the use of code words is that no part of the definition of the code word is to be associated with it on an unclassified basis. This is based on the necessity to protect the meaning of the code word as such, without regard to the classification of the fragmentary information thus developed. It is recognized that this means that code words are only of very limited value in unclassified technical discussions, but we are convinced that this is the only kind of a rule that gives any assurance of adequate protection of the classified meaning of code words. U
4. A Weapons Classification Guide has been approved for use to replace OC Doc-56 "AEC-DOD Classification Guide". Distribution of the new guide will be strictly limited on a "need-to-know" basis. U

Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization
Directors
Responsible Reviewers

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20070001481

UNITED STATES GOVERNMENT

Memorandum

Those Listed Below

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Thln
D00009562

June 15, 1960

TO : C. L. Marshall, Director
Division of Classification, Headquarters

FROM : MONTHLY CLASSIFICATION BULLETIN NO. 44

DATE:

SUBJECT:
SYMBOL: C:CFK

Classification of Item

1. A revised "Classification Guide for Use in the Civilian Application Program", OC Doc-54, dated April 15, 1960 has been approved for use. Requests for additional copies of this Guide should be sent to the Declassification Branch, U. S. Atomic Energy Commission, Oak Ridge, Tennessee. U
2. The fuel development work for the Pebble-bed Reactor has been approved as a Category III project as defined in AEC Manual Section 3403-062. The technique used in preparing the oxide fuel elements of the general type used in the Pebble-bed Reactor may also be of great value in solving the ANP Direct Cycle Reactor fuel element problems. Thus, until it is possible to determine whether the techniques for coating UO_2 pellets with alumina or beryllia now being developed for the Pebble-bed Reactor are essential primarily to military reactors, the work must be classified. The classification will be reconsidered after the development work has been fully evaluated with respect to possible ANP application. C-RD
3. The use in weapons of fully enriched uranium (above 90% U^{235}) is now unclassified. In addition, the use in weapons of normal or depleted (in the isotope U^{235}) uranium is also unclassified. Topics in local classification guides which specify that this information is classified should be revised accordingly. U

Addressees:
Classification Officers
Headquarters Division
Directors
Operations Office Managers
Senior Reviewers
Coordinating Officers
Directors
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20. REVIEWED BY	RD

UNITED STATES GOVERNMENT

Memorandum

~~CONFIDENTIAL~~

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TO : Those Listed Below

DATE: February 17, 1961

FROM : C. L. Marshall, Director *CLM*
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 49

C:CFK

Classification
of Item

1. A meeting was held January 24, 25 and 26, 1961 at AEC Headquarters with AEC Classification Officers and operations office personnel who are concerned with classification problems in attendance. The primary purpose of the meeting was to discuss current Commission classification policy and the future trends in classification.
2. An "Interim Classification Guide for the Military Compact Reactor Developmental Model Pilot Plant" has been distributed. Offices needing additional copies of this Guide should request them from the Division of Classification, Headquarters.
3. Reference is made to Classification Bulletin No. 47, Item 3, issued November 25, 1960. Some misunderstandings have arisen concerning the last sentence of Item 3c. The intent is that the classification action is not to be retroactive, i.e., plutonium samples or batches which were declassified before issuance of Bulletin No. 47 are not required to be re-classified. Thus, samples already shipped abroad and Pu-Be sources now in use are not re-classified.

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C-RD

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

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13444 J. H. Marshall
11/15/67
CLASSIFICATION BULLETIN NO. 49
CONFIDENTIAL

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~~CONFIDENTIAL~~

Those Listed Below

- 2 -

February 17, 1961

However, plutonium declassified under the "two-kilogram limit" remains unclassified only so long as it is held by the original user. End products such as neutron sources made by the original recipient using declassified plutonium are also unclassified. However, declassified plutonium cannot be transferred to another user elsewhere, nor can it be run through a reprocessing cycle and returned unclassified to the original user. As a result, a large part of such plutonium will gradually be eliminated from further unclassified use.

4. Form AEC-22 "Irradiation Services Purchase Order No. _____" provides a space (item 12) for Other Provisions (as needed) relative to the sample to be irradiated. This space may be used to indicate the classification of the sample and/or irradiation results with brief comments on the classification aspects. Incorporation of this information will assist the irradiation site in appropriate handling of the sample and protection of information sensitive to other programs. U
5. The BONUS (Boiling Nuclear Superheat) Reactor has been added to the list of unclassified reactors. Please add this reactor to the list given in OC Doc-74. U

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UNITED STATES GOVERNMENT

Memorandum

~~SECRET~~

W. Nash
D00009569

This document consists of 1 page

No. 35 of 350 Copies, Series A

DP32FR8906661

DATE August 3, 1961

TO : Those Listed Below

FROM : Murray L. Nash, Chief, Classification Branch
Division of Classification, Headquarters *W. Nash*

SUBJECT: ITEM 2 OF MONTHLY CLASSIFICATION BULLETIN NO. 53

C:CFK

The classification of Item 2 of Monthly Classification Bulletin No. 53 dated July 10, 1961 was inadvertently marked Unclassified. The classification of this item should be Secret-Restricted Data. Please make appropriate pen and ink change on your copy of the subject bulletin.

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

6-29-67	CLASSIFIED BY
82	REVIEWED BY
4/15/67	DATE
<i>Betty M. Harris</i>	SIGNATURE
	OFFICIAL POSITION

~~SECRET~~

This material contains information affecting the national defense of the United States within the meaning of the espionage law, Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

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~~CONFIDENTIAL~~

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Memorandum

TO Those Listed Below

DATE: October 18, 1961

FROM Wilbur A. Strauser, Acting Director
Division of Classification, HQ

SUBJECT MONTHLY CLASSIFICATION BULLETIN NO. 57

C: CFK

Classification
of Item

C-RD

1. Reference is made to Classification Bulletin No. 42, Item 1, dated April 20, 1960; Classification Bulletin No. 47, Item 3, dated November 25, 1960; Classification Bulletin No. 49, Item 3, dated February 17, 1961; Classification Bulletin No. 50, Item 1, dated March 27, 1961. The Department of Defense has not agreed to the Commission's proposal that the isotopic composition of plutonium, regardless of source, be declassified. The basis for the objection was that they could not agree to an action which might increase to a degree the ability of inimical interests to estimate the U.S. production rate. Under these circumstances the "two-kilogram exception" can no longer be continued.

Accordingly, Item 1 of Classification Bulletin No. 50 is hereby revoked and Item 3(c) of Classification Bulletin No. 47 and Item 3 of Classification Bulletin No. 49 are reinstated.

It is not intended that this classification action be retroactive, however, and plutonium batches and samples specifically declassified or issued unclassified under the two-kilogram exception up to October 15, 1961, are not hereby reclassified.

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

DECLASSIFICATION OF ENERGY RECLASSIFICATION REVIEW	
DATE TWO: <u>10-26-07</u>	EXEMPTION CODE (SINGLE NUMBERS)
DATE THREE: <u>11/15/07</u>	1. CLASSIFICATION DELETED
DATE FOUR: <u>11/15/07</u>	2. CLASSIFICATION CHANGED TO
DATE FIVE: <u>11/15/07</u>	3. CLASSIFICATION CHANGED TO
DATE SIX: <u>11/15/07</u>	4. EXEMPTION CODE
DATE SEVEN: <u>11/15/07</u>	5. CLASSIFICATION CANCELED
DATE EIGHT: <u>11/15/07</u>	6. CLASSIFIED INFO SUGGESTED
DATE NINE: <u>11/15/07</u>	7. OTHER (SPECIFY):

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Those Listed Below

- 2 -

October 18, 1961

Henceforth, the only unclassified plutonium is:

- a. The approximately 7.7% Pu-240 material at Hanford;
 - b. Plutonium produced in unclassified power and research reactors, including NRX and PRTR; and
 - c. The high-exposure plutonium produced for PRTR by the special irradiation program at Savannah River.
2. A "Joint Classification Guide for the Nuclear Rocket Engine Program, Rover", CG-RR-1, dated September 18, 1961, has been approved for use. U

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UNITED STATES GOVERNMENT

Memorandum ~~CONFIDENTIAL~~

Do0009572

TO Those Listed Below

DATE: November 30, 1961

FROM C. L. Marshall, Director *CLM*
Division of Classification, HQ

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 58

C:CFK

Classification
of Item

1. All partial cross sections for lithium and its isotopes for neutrons of energies between 1 MEV and 25 MEV have been declassified. A notice authorizing deletion of Topic 100-102(a) of the "Classification Policy Guide" will be issued in the near future. U
2. All AEC and AEC contractor employees who prepare papers for symposia or meetings should be reminded that their papers must be reviewed for classification prior to any unclassified dissemination of the information, if the subject matter of the papers does not fall clearly within the scope of: U
 1. Information falling wholly within the "unclassified" topics of the "Guide to the Unclassified Fields of Research", or
 2. Information identified as unclassified in a local classification guide, or
 3. Information specifically identified as declassified by the Director, Division of Classification, or
 4. Information identical with that disclosed by a previously declassified document, or

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
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11-24-61	1. THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
RD	2. DATE OF REVIEW
11/15/61	3. REVIEWED BY
Betty A. Harris	4. REVIEWED BY

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Those Listed Below

- 2 -

November 30, 1961

5. Purely administrative information revealing no technical or programmatic data.

Papers which contain information not specifically so covered should be submitted to the Chief, Declassification Branch, Oak Ridge, for classification determination prior to their release. Every effort should be made to assure that sufficient time is allowed to process such papers.

3. The classification policy with respect to information developed in the Manned Aircraft Nuclear Propulsion Program (ANP) has been further revised. The new policy declassifies all of the information developed in the direct cycle program with the exception of the details of the ceramic fuel elements and special lightweight shielding data. The Classification Guide for the Manned Aircraft Nuclear Propulsion Program (ANP), OC Doc-77, has been revised and copies will be available in the near future as CG-RAN-2. C-RD
4. To clarify the intent of Part I, Section C.9 of U AEC Manual Appendix 3401 "Classification and Declassification Handbook", the procedure for classifying upgrading notices is as follows:
 - (a) Notices that a document issued as unclassified, is in fact, classified, or that a document has been erroneously declassified, should themselves be classified as Confidential-Defense Information unless the notices themselves contain other information calling for a higher classification.
 - (b) Notices that a document classified Confidential or higher has been upgraded, are unclassified unless the notices themselves contain classified information.

The above procedure supersedes Item 2 of Classification Bulletin No. 56 dated September 25, 1961 and all other previous items on this subject.

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UNITED STATES GOVERNMENT

Memorandum

This document consists of 3 pages,
No. 4 of 350 copies, Series A.

SECRET

DP34FR890L0659

TO : Those Listed Below

DATE: January 16, 1962

FROM : *William G. Strasser*
for C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 59

C:CFK

Classification
of Item

1. In view of the fact that the AEC has produced Pu-238 for the satellite program (Transit IV-A) and that the unclassified forecast requirements for Pu-238 for other phases of the satellite communications program are quite large, we have determined that the mere fact that spent reactor fuels are "blended up" and recycled through Hanford in order to increase Neptunium-237 production is now unclassified. However, the fact that the Pu-238 used in the Transit IV-A was from Hanford-derived material is classified Secret Restricted Data. The materials per se and the quantities and production rates involved are classified Secret Restricted Data because their composition reveals classified information about production reactor operations.
2. It has been determined that the fact that 97.5% enriched U-235 is being produced at the Portsmouth Gaseous Diffusion Plant for use in weapons research and development is unclassified. In addition, the fact that this material may be used in a device to be tested at NTS is unclassified. The material per se is also unclassified.

S-RD

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(continued)

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

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CLASSIFICATION REVIEW	
DATE: 10-26-67	REVIEWER: [Signature]
BY: [Signature]	DATE: 11/15/67
REVIEWED BY: [Signature]	
DATE: 11/15/67	

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~~SECRET~~

Those Listed Below

- 2 -

January 16, 1962

3. A question has arisen concerning the mechanics of declassifying a classified report title which no longer requires classification while retaining as classified the report itself. In declassifying a title, the risk always exists that in marking a title as being declassified, the marking may be misconstrued to mean that the entire report rather than just the title is declassified. Since reports with classified titles usually bear a statement indicating that the title is classified, by way of mechanics, it is suggested that a stamp be made which would line out this statement and another stamp be affixed under the title stating that the title only is unclassified. U
4. When a document is submitted to the Declassification Branch, Oak Ridge, for declassification review, it is suggested that code words or nicknames used in the document be replaced by an appropriate word or phrase. In the event that the document is later reproduced for public dissemination, it will be more meaningful and more easily understood by the general public. The use of obsolete code words or nicknames in many cases not only tend to confuse the reader, but may result in the compromise of classified information. (Previous reference to "code words" is given in Classification Bulletin No. 38 dated December 18, 1959, Item 2). U
5. Copies of the Monthly Classification Bulletin which are distributed to Responsible Reviewers and Coordinating Organization Directors are personal copies provided to assist them in their function as advisers to the Division of Classification. The Bulletins are intended to provide them with information relative to current classification policy and to assist them in carrying out their declassification functions in accordance with AEC Manual Chapter 3402. U
6. A revised classification guide for continental test operations identified as CG-WT-1 "AEC-DOD General Classification Guide for Continental Test Operations" dated November 29, 1961 has been approved for use. Copies of the Guide have been distributed to all personnel concerned with this program. U

(continued)

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Those Listed Below

- 3 -

January 16, 1962

7. The quantity of Lithium-6 available for unclassified research uses has been increased from 25 kilograms to 50 kilograms total for the AEC. It has also been determined that up to a total of 1500 liters of Helium-3 per year may be released for unclassified uses in research and development. This is in addition to the 1500 liters of Helium-3 cumulative total already declassified. The applicable topics of OC Doc-65 will be changed in the next revision to that Guide.

U

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UNITED STATES GOVERNMENT

Memorandum

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This document consists of 2 pages,
No. 4 of 350 copies, Series A.

DP32FR89010658

TO Those Listed Below

DATE May 15, 1962

FROM C. L. Marshall, Director
Division of Classification, HQ

SUBJECT MONTHLY CLASSIFICATION BULLETIN NO. 61

C:CFK

Classification
of Item

1. Melvin E. Neef has been appointed Classification Officer, San Francisco Operations Office, replacing Wm. C. Hickman. U
2. Reference Classification Bulletin #59, dated January 16, 1962, Item 1. "The fact that the Pu-238 used in the Transit IV-A was from Hanford-derived material" has been declassified. Please make appropriate pen-and-ink change to reflect this declassification action. U
3. A "Classification Guide for the Vela Hotel Program on Detectors, Logics, and Data Reduction" (CG-WVH-1) dated March 5, 1962 has been approved for use. This guide supplements, but does not supersede, the "Classification Guide, Project Vela" dated April 29, 1960. U

(continued)

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DATE OF REVIEW 10-12-87	
2. DETERMINATION (IS/IS NOT) (YES/NO)	
3. CLASSIFICATION APPLIED	
4. CLASSIFICATION CHANGED TO	
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Those Listed Below

- 2 -

May 15, 1962

4. It is to be noted that classification guides which contain weapon data as defined in AEC Manual Chapter 2108 (e.g. OC Doc-71) bear a marking "Atomic Weapon Data." Such classification guides, however, are not weapon data reports and are not subject to the provisions of Sections IV, V, and VI of AEC Manual Appendix 2108. U
5. The Ultra High Temperature Reactor (UHTREX) has been added to the list of unclassified reactors. U
6. Topics 6.3.3.1 and 6.3.4.1 of OC Doc-65 "Classification Guide for Source, Special Nuclear, and other Materials and Shipping Forms for Source and Special Nuclear Materials" have been revised to indicate that any quantity of lithium-6 or lithium-7 allocated for unclassified research use is unclassified. This change will be reflected in a revised version of OC Doc-65 to be issued in the near future. U
7. The Commission has determined that the forecasts of production, actual production rates, or operation records which reveal over-all plant production rates of lithium-6 for weapon purposes produced subsequent to April 2, 1962 are classified Secret - Restricted Data; similar information which reveal over-all plant production rates of lithium-6 for weapon purposes produced prior to April 2, 1962 remains classified Top Secret - Restricted Data. Appropriate notice of changes in OC Doc-58 "A Guide to the Use of the Classification 'Top Secret'" has been issued. S-RD

~~SECRET~~

UNITED STATES GOVERNMENT

Memorandum ~~CONFIDENTIAL~~

00000 9576

TO : Those Listed Below

DATE: August 31, 1962

FROM : *Wilbur A. Strauser*
C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 63

Classification of Item

1. The following reactor facilities have been added to the list of unclassified reactors:

U

- a. Bare Reactor Experiment, Nevada (Civil Effects Test Reactor, AEC, Division of Biology and Medicine), BREN
- b. Liquid Fluidized Bed Reactor, Critical Experiment Facility, Martin Nuclear, Middle River, Maryland, LFBR-CX

2. L O N B L O refers to a classified nuclear ramjet missile study by the Navy. The fact that L O N B L O is a nuclear ramjet missile and its association with the Department of Navy is unclassified. Classified information developed in Project Pluto is being used in this study.

U

This project is not to be confused with another Navy project called L O B L O, a chemical ramjet missile project. L O B L O has no connection with the Pluto project. The fact that L O B L O is a chemical ramjet missile and its association with the Department of Navy is unclassified.

3. The following United Kingdom security markings are in use on UK reports received from the Atomic Energy Commission Research Establishment, Harwell

U

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DATE: 12-16-07	DETERMINATION (CITE NUMBER(S))
REASON: 1.1.1.1	1. INFORMATION OBTAINED
1.1.1.1	2. INFORMATION OBTAINED TO
1.1.1.1	3. INFORMATION OBTAINED TO
1.1.1.1	4. INFORMATION OBTAINED
1.1.1.1	5. CLASSIFICATION OBTAINED
1.1.1.1	6. CLASSIFIED INFO BRACKETED
1.1.1.1	7. OTHER (SPECIFY)

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- 2 -

and Atomic Weapons Research Establishment,
Aldermaston:

- a. Top Secret Atomic, Secret Atomic, and
Confidential Atomic

(UK documents with this marking are to be marked
and safeguarded as Restricted Data at the equivalent
classification.)

- b. Top Secret, Secret and Confidential with an explanatory
wording "This document contains no classified atomic energy
information."

(UK documents are to be marked and safeguarded as
Defense Information at the equivalent classification.)

- c. Official Use Only with the additional limitation
"This document is the property of the UK Atomic Energy
Authority and attention is called to the penalties attaching
to any infringement of Official Secret Acts."

(UK documents so marked require a protection comparable
to Confidential Defense Information. UK documents marked
"OUO" without the "Official Secrets Acts" stamp are
equivalent to "OUO" as presently used by the USAEC.)

- d. Not for publication.

(This is not a UK security marking but is in use for
documents which contain information of marginal value which
is not ripe for publication or which are of only local
interest or which contain unconfirmed scientific or technical
information which should be protected from premature
publication for this or similar reasons.)

- e. Unclassified.

(This mark is similar to USAEC "Unclassified" except
that the UK document may include some additional stamp
to protect the author's publication rights.)

4. Reference Classification Bulletin No. 62, item 8.
To clarify the intent of this item, "sub-oxide"

C-RD

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has been defined: those oxides with an oxygen-to-uranium ratio of less than 1.8 are considered to be "sub-oxides" and are classified under item 8.

5. The following principles on the classification of heat exchangers have been adopted:

C-RD

- a. Features of heat exchangers, whether of design or fabrication, that are primarily useful in space applications are classified.
- b. Regardless of its design, the association of a heat exchanger (even a shelf item) which is being used for a space application is classified when its association with that space application would reveal classified information about the space application.
- c. Features of heat exchangers which have universal application in heat exchanger design and fabrication are not classified.

These principles may only be used as a basis for preparing and revising classification guides. It would not be proper to use them as classification guide topics in themselves.

6. The following classification guides have been approved for use:

U

- a. The second edition of the "Classification Guide for the Reactor SNAP Program", CG-RRS-2, dated July 1962; the second edition supersedes CG-RRS-1 dated August 9, 1961.
- b. "Classification Guide for the Isotopic Power Program", CG-RIP-1, dated May 15, 1962. This guide supersedes CG-RIS-1 dated July 12, 1961.

UNITED STATES GOVERNMENT

Memorandum

~~CONFIDENTIAL~~

mln
D00009577

TO : Those Listed Below

DATE: December 26, 1962

FROM : *William A. Stansel*
C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 65

C:CFK

Classification
of Item

1. Since the issuance of Classification Bulletin No. 59, Item 1, dated January 16, 1962, further study has been given to the possibility of deducing the SRP reactor flux from the isotopic composition of plutonium-238. It has been concluded that it is not possible to estimate the flux of the SRP reactors from the isotopic composition of Pu-238. Plutonium-238 as a material per se is unclassified.

C-RD

Cumulative total production data and production rate information must remain classified as long as there is a classified military requirement which could be estimated by knowledge of the difference between the total amounts of Pu-238 produced and the quantities of Pu-238 allocated to unclassified uses. The quantity of Pu-238 produced is classified Secret Restricted Data. Shipments for classified uses must be classified. Shipments for unclassified uses may be unclassified. In those instances where the fact of use of Pu-238 in a device is unclassified, but the quantity used is classified, e.g., SNAP 9A, shipments of the material may be unclassified provided no correlation can be established between the quantity shipped and the quantity used in the device.

2. Reference Classification Bulletin No. 64, Item 3, the following additional test data for underground nuclear events held at the Nevada Test Site during Operation NOUGAT have been declassified for use by seismologists in their study of detectability of nuclear tests as well as in furthering the science of seismology:

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10-19-67	CLASSIFIED BY: [initials]
11/15/67	DECLASSIFIED BY: [initials]
[initials]	

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- 2 -

<u>EVENT</u>	<u>DATE</u>	<u>TIME</u>	<u>MEDIUM</u>	<u>YIELD</u>	<u>DEPTH</u>
STOAT	January 9, 1962	16:30:00.135Z	Alluvium	4.5 KT	1000'
DANNY BOY	March 5, 1962	18:15:00.118Z	Basalt	0.430 KT	110'
BRAZOS	March 8, 1962	18:00:00.206Z	Alluvium	7.8 KT	850'
HOOSIC	March 28, 1962	18:00:00.163Z	Tuff	3 KT	620'
DORMOUSE II	April 5, 1962	18:00:00.131Z	Alluvium	9.7 KT	850'
PLATTE	April 14, 1962	18:00:00.125Z	Tuff	1.6 KT	628'

3. The fact that the August 12, 1958 ORANGE event Operation Hardtack I produced 2.8×10^{24} atoms of Rhodium-102 has been declassified. U
4. Reference Monthly Classification Bulletin No. 31, Item 2, which states that the (PT) Plasma Thermocouple Reactor being developed at LASL has been added to the unclassified fields of research. This reactor has now been removed from the unclassified fields. The classification policy concerning it will be covered in CG-RTC-1 which will be issued shortly. U
5. It has been determined that the reactors listed below can be designed and constructed on an unclassified basis: U
 - (a) the 10 MW(t) Experimental Beryllium Oxide Reactor
 - (b) the Prototype Maritime Gas-Cooled Reactor.

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

~~CONFIDENTIAL~~

mln

DATE: **March 20, 1963**

FROM : C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 66

C:CFK

**Classification
of Item**

1. The "Joint US/UK Nuclear Weapons Classification Guide" (CG-W-1) dated October 1962, has been issued for use. This guide, which has a more limited distribution, supersedes OC Doc-71 "Weapons Classification Guide" dated April 5, 1960, OC Doc-57 "Supplement Limited Circulation Guide" dated January 1, 1958, and all previously issued AEC-DOD Weapons Classification Guides. U
2. The fact that tritium is produced at Hanford incidental to the operation of the Hanford production reactors (i.e., in the control rods and blanket operations) is unclassified. Any elaboration or indication of a deliberate program to produce large-scale quantities of tritium in the Hanford production reactors is classified Confidential Restricted Data. C-RD
3. CG-WFD-1 "Classification Guide for Weapons Program Financial Data" dated November 1962 has been approved for use. The guide supersedes the "Classification Guide for Program 03 (Weapons) Financial Data" dated August 25, 1961. U
4. The Argonne National Laboratory "Fast Reactor Test Facility" - FARET and "Argonne Advanced Research Reactor" - AARR, have been added to the list of unclassified reactors. U

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

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[illegible]

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5. The mere fact that uranium-loaded graphite fuel elements are used in the KIWI-B series of reactors as well as in the NERVA (Nuclear Engine Reactor Vehicle Application) and Phoebus (advanced series of reactors following KIWI-B) reactors has been declassified. U
6. Effective January 21, 1963, a new branch, Policy and Standards Branch, has been established in the Division of Classification. Mr. Ivan G. Rice has been appointed Chief of the branch. U

The branch is responsible to the Division Director for: (1) the development of statements and guides which, when approved, will define the Commission's policies for the classification and declassification of Restricted Data and other classified information; (2) the evaluation of proposed program classification guides for conformance with the Commission's basic policy statements; and (3) planning and coordinating the appraisal of the performance of classification functions by other divisions and offices.

The new branch will be staffed by reassignment of personnel formerly in the Classification Branch of the Division of Classification, as follows:

Ivan G. Rice, Chief
Howard F. Gunlock, Senior Classification Analyst
Loretta E. Coffey, Secretary

The organization of the Division of Classification is now as follows:

Director, Charles L. Marshall
Deputy Director, Wilbur A. Strauser
Chief, Classification Branch, Murray L. Nash
Chief, Policy & Standards Branch, Ivan G. Rice
Chief, Declassification Branch, Herman F. Carroll
Deputy Chief, Declassification Branch, Jack H. Kahn

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UNITED STATES GOVERNMENT ~~CONFIDENTIAL~~

Memorandum

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D08009583

please file

Those Listed Below

DATE: August 17, 1964

FROM : C. L. Marshall, Director
Division of Classification

SUBJECT: CLASSIFICATION BULLETIN NO. 72

C:CFK

1. AEC and AEC contractor personnel have been periodically receiving special Department of Commerce Bureau of Census report forms requesting information on various phases of the AEC research and development and production programs. From the nature of the questions asked, it is apparent that replies, if not carefully considered, could divulge classified information. Local procedures should be instituted to assure that the replies to these questionnaires receive adequate classification review before transmittal. Unresolved questions regarding the proper classification of information should be submitted to the Division of Classification for review.

U

2. The Division of Classification has been reorganized. The Division Directory is now as follows:

Director - Charles L. Marshall
Deputy Director - Leonard M. Brenner

Assistant Director for Operations - Murray L. Nash

(Cont'd)

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

GROUP 1

Excluded from automatic downgrading and declassification.

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- 2 -

Classification Branch

Chief - Charles F. Knesel

Senior Classification Analyst - L. K. Kallmyer

Senior Classification Analyst - R. L. Morgan

Senior Classification Analyst - M. E. Neef

Declassification Branch (Oak Ridge Extension)

Chief - Herman F. Carroll

Assistant Chief - Jack H. Kahn

Classification Analyst - R. A. Carpenter

Classification Analyst - R. L. Jackson

Classification Analyst - Ted Redmon

Classification Analyst - E. J. Thurin

Assistant Director for Plans and Policy - Ivan G. Rice

Senior Policy Officer - Joe R. Patton

Senior Classification Analyst - B. C. Feldman

Senior Classification Analyst - H. F. Gunlock

Senior Classification Analyst - D. J. Pflaum

Mr. Neef, formerly Classification Officer, SAN, joined the Division on July 19, 1964. U

3. The actual yield of the Ivy "Mike" event "10.4 megatons" held October 31, 1952 has been declassified. U

4. The fact that the best estimate for the yield of the Hiroshima weapon is 18.5 ± 5 kilotons and for the Nagasaki weapon is 23 ± 2 kilotons is unclassified. U

5. The following classification guides have been approved for use:

CG-PNE-1 - "Classification Guide for the Peaceful Application of Nuclear Explosives" dated February 1964 (supersedes OC-Doc-64)

CG-RIP-2 - "Classification Guide for the Isotopic Power Program" dated June 1964 (supersedes CG-RIP-1)

(Cont'd)

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~~CONFIDENTIAL~~ 3 -

CG-WV-2 - "Classification Guide for Nuclear Test Detection Satellite - Project Vela" dated March 1964 (supersedes CG-WVH-1)

CG-RAR-2 - "AEC-DOD Classification Guide for the Army Nuclear Power Program" dated June 1964 (supersedes CG-RAR-1) U

6. In April, the President announced that Pu production will be reduced by 20%. The fact that this reduction is based on our Pu production rate after the Hanford NPR goes into full scale operation is unclassified. Any elaboration which would reveal the relative proportion of the remaining Pu production capacity, represented by the NPR or any other reactor, is classified Secret-Restricted Data. A statement of the net percentage reduction, without the NPR is also classified Secret-Restricted Data. C-RD

7. The Department of State and the Arms Control and Disarmament Agency uses the designation "Limited Official Use" for official information which is not classified but which, in the public interest, should not be given general circulation. Because of its sensitivity, we have been requested to protect "Limited Official Use" information within the United States as Confidential Defense Information and outside the United States as Secret Defense Information. U

8. The Commission has established for planning purposes new charges for nuclear explosive services for peaceful applications. Potential users can plan on a charge of about \$350,000 per nuclear explosive with a yield equivalent to 10KT and a charge of about \$600,000 for a nuclear explosive with a yield equivalent to about 2MT. The tentative charge would cover the arming and firing services as well as the explosive itself. U

9. Employees should be alerted to the fact that when an unclassified message is transmitted electrically by teletype, telegraph, cable or facsimile, communications centers and commercial communication companies, as well as the addressee, may hold copies. If it is later found necessary to classify such a message, a copy of the classified upgrading notice should be addressed to the supervisor of the AEC or AEC contractor communications center which handled the original transmission and a copy to the local security office for appropriate action. U

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UNITED STATES GOVERNMENT

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D00007582

Memorandum

This document consists of 2 pages,
No. 4 of 360 Copies, Series A.

DP32FR89010654

DATE: August 21, 1964

TO : Those Listed Below

FROM : C. L. Marshall, Director *CLM*
Division of Classification, HQ

pls file for

SUBJECT: CLASSIFICATION BULLETIN NO. 71

C:CFK

The following classification guidance on lasers and laser applications, developed jointly by the AEC and the DOD, has been approved for immediate implementation:

1. Research and development on lasers and laser systems shall be classified if the maximum power output is 10^{11} watts or greater and the total energy output is 10^3 joules or greater. (Note: in order to avoid unnecessary classification, these numbers will be re-examined annually by a joint AEC/DOD group to determine if they are still appropriate);
2. Regardless of maximum power output or total energy output, any application of lasers (government or private) will be classified as Restricted Data if it will produce an ignition of DD mixtures or DT mixtures. (Note for the Commission, if such a laser application is not primarily intended for atomic weapon purposes, classification as Restricted Data would depend on passage into law of the proposed definition of a "nuclear explosive device".) Note: Ignition is defined as occurring when there is a 1% rise in temperature or a 1% rise in the mean kinetic energy of the charged particles of the gas at any point in the gas mixture as a result of thermonuclear reactions.

Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

GROUP 1

Excluded from automatic downgrading and declassification.

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CLASSIFICATION REVIEW	1. CLASSIFICATION DATA
2. DATE OF REVIEW	3. DATE OF REVIEW
4. REVIEWER	5. REVIEWER
6. REVIEWER	7. REVIEWER
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100. REVIEWER	101. REVIEWER

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- 2 -

3. Work on or with lasers directed toward a classified goal (e.g., pure fusion weapons or anti-ICBM devices) will be conducted on a classified basis.

Information classified under the above principles will be categorized as Restricted Data if it falls within the definition of Restricted Data as set forth in the Atomic Energy Act. It is expected that most of the information classified under principle (1) will be Defense Information and that most, if not all, of the information classified under principle (2) will be Restricted Data. The classification of the work covered by principle (3) would depend upon the classification of the goal toward which the work is directed.

It should be noted that since Restricted Data is not involved principle (1) above can be applied only to government and government contract work with assurance that it will be effective since it is doubtful that DI classification can be placed on private work under existing laws unless a patent is applied for in which case a Secrecy Order may be placed on the invention.

Principle (2) can be applied to both government and government contractor and to private research on the theory that Restricted Data will be involved. This principle is intended to classify applications of lasers with lower energies or power outputs which by causing ignition might result in the design of a pure fusion weapon. Its application is intended to prevent the inadvertent release of information which might constitute a "break-through" in the use of lasers for pure fusion weapons. It is understood, of course, that applications of lasers with peak power less than 10^{11} watts and total energy output of less than 10^3 joules would be unclassified unless they produced the ignition effect described in principle (2), or unless the work was being directed toward a classified goal as provided for in principle (3).

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Office Memorandum

~~SECRET~~

UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: January 27, 1958

FROM :

Willbur G. Strasser
Mr. L. Marshall, Director
Division of Classification, Washington, D. C.

This document contains 3 pages
Copy No. 3 of 90, Series A

DP32FR89010674

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 15

SYMBOL: C:CFK

1. The practice of copying "subject" lines from classified correspondence has resulted, in some instances, in the "subject" lines used on mail receipts and on incoming and outgoing mail logs being in themselves classified.

It has been suggested therefore, that, where feasible, the subject lines in classified correspondence should be unclassified. If a classified subject line is required, the author should indicate in the correspondence, its proper level of classification in parentheses at the end of the "subject" line.

2. Any aspects of molten salt reactor design relating specifically to aircraft application will remain classified, while information on molten salt reactors not relating specifically to the aircraft nuclear propulsion program has been declassified. The fact that this work was discarded from the ANP Program as an unsuccessful approach is classified and no direct reference or inference should be made in an unclassified document.
3. The fact that the ORNL Fission Product Pilot Plant Facility (F3P) is separating large quantities of Ce-144 is unclassified. Additional information originated by ORNL in the preparation of Ce-144 will be classified in accordance with topics which will be incorporated as part of topic 2 of the SNAP-I Classification Guide, SCC-4.
4. It has been determined that analytical data on research issuances of U-233 is unclassified. However, specifications or statements as to allowable limits of impurities or other analytical data which would indicate weapons requirements are classified.
5. Although AEC 3401-093 refers to the obsolete marking "Restricted", this part of the AEC Manual Chapter should not be used as authority to declassify documents. AEC 3401-093 merely describes the procedures for reviewing "Restricted" documents. Those instances in

DEPARTMENT OF ENERGY CLASSIFICATION REVIEW	
REVIEW DATE: 2-18-67	DETERMINATION (FILE NUMBER)
PRIORITY: DEC 5000	1. CLASSIFICATION RETAINED
DATE: 4/9/67	2. CLASSIFICATION CHANGED TO:
BY: Betty W. Davis	3. CONTAINS NO FOR CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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~~SECRET~~

January 27, 1956

which the Classification Officers have authority to declassify, cited at the meeting of Classification Committee Chairmen, February 1956 and listed in Paragraph 3b of the minutes of that meeting, should be used as authority to declassify documents.

6. The Hot Loop Program at the Atomic Energy of Canada, Limited, Chalk River, Ontario, Canada, concerned solely with the Civilian Reactor Program has been declassified. However, work on this program involving military reactors will be classified initially and reviewed for declassification.
7. Since the mercury to be used in the GE-ANPD HTRE-3 reactor is for health and safety purposes and will play no part in the operational reactor, all shipments of mercury and the use of mercury in connection with this reactor are unclassified.
8. A classification guide for the construction phases of the Beta-4 heavy Machine Shop at the Y-12 Plant, Oak Ridge has been approved for use. Those offices concerned with this project may obtain copies from the Classification Officer, Oak Ridge Operations Office.
9. It has been determined that the design studies on a Gas-Cooled Reactor at Oak Ridge National Laboratory, Kaiser Engineers and American Car and Foundry may be conducted on an unclassified basis under the following conditions: the natural or slightly enriched uranium, graphite moderated, gas-cooled power reactor plant may be designed, built, and operated on an unclassified basis, with the exception that any classified military or production reactor information used in these studies must remain classified until reviewed for declassification by the Division of Classification.
10. The ORNL Homogeneous Reactor Program technology has been approved for inclusion in the Unclassified Areas of Research.

11

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12. The General Atomic Division of the General Dynamics Corporation has been advised that the three research and isotope-producing reactors identified as TRIG A, REGA 10-30 and IRGA, built by General Atomic, have been added to the list of unclassified reactors.

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~~SECRET~~

Classification Committee Chairmen -3-

January 27, 1958

13. Information which does not reveal classified ore procurement information relating to the extraction of Ionium from uranium waste residues is unclassified.
14. "A Guide to the Use of the Classification 'Top Secret'" identified as OC Doc-18, dated November 15, 1952, is now obsolete. A revised version is being issued and will be identified as OC Doc-58.
15. AECL has been advised that the quantities of uranium, natural or enriched, shipped from Chalk River to the United States are unclassified. In addition, the quantities of plutonium alloy already sold and shipped from Chalk River to the United States are unclassified. However, the prices the United States pays to Canada for scrap uranium are classified.
16. A classification guide for the Hanford Fission Product Recovery Program has been approved. Other offices in the Commission having a need for this guide should request copies from the Classification Officer, Hanford Operations Office.

~~SECRET~~

~~SECRET~~M. & Mack
D00009543

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

FROM : C. L. Marshall, Director *CLM*
Division of Classification, Washington

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 19

SYMBOL: C:CFK

DATE: MAY 26 1958

This document consists of 5 p
No. 88 of 100 Copies, Serie
DP32FR890LD672

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1. It should be noted that the "Sherwood Classification Guide", dated March 20, 1957, (OC Doc-55), included topics which permitted information to be originated as unclassified. Although the current "Sherwood Classification Guide", dated December 12, 1957, (OC Doc-59), specifies that the controlled thermonuclear projects will continue to be carried out on a classified basis, OC Doc-59 was not intended to annul the unclassified topics of OC Doc-55. Accordingly, any information falling within the unclassified topics of OC Doc-55 may be originated as unclassified and need not be submitted to the Division of Classification for review before release. However, information which falls within the unclassified topics of the current "Sherwood Classification Guide", (OC Doc-59), must bear an original classification and be submitted to the Division of Classification for review before release.
2. The fact that up to 20,000 curies per year of Krypton is trapped at Idaho Chemical Processing Plant and shipped to Oak Ridge for radioisotopes sale is unclassified. However, the fact that the ICPP is not processing MTR, ETR or other research or power reactor fuels, but is stockpiling for later processing is classified Confidential Restricted Data.
3. A classification guide for the S3G/ShG project has now been approved for use. This guide is designed to provide classification guidance for all phases of the Submarine Advanced Reactor Project.
4. A classification guide for the KIWI-A has been approved for use. This guide is designed to provide classification guidance for a nuclear research reactor being designed at LASL to obtain design information for prototype nuclear propulsion reactors.
5. A classification guide for the Army Reactors Experimental (AREA) has been approved for use. This guide is designed to provide classification guidance for the master planning, design,

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DATE REVIEWED: 10-01-07	2. DETERMINATION (CIRCLE NUMBER(S))
3. ACTION: <input type="checkbox"/> OC <input type="checkbox"/> RD	1. CLASSIFICATION RETAINED
4. COMMENTS: 11/18/07	2. CLASSIFICATION CHANGED TO:
5. BY: <i>William W. Arnold</i>	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

sanitized version

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-2-

construction and operation of the reactors existing, authorized and proposed, to be located at the AREA of the National Reactor Test Station.

6. It has been determined that the following facts on the heat transfer reactor experiment (HTRE-1) are classified:
 - a. The mere fact that HTRE-1 contains metallic fuel elements
 - b. The total power of HTRE-1
 - c. The mere fact that HTRE-1 shield consists of water, steel and lead
 - d. The mere fact that water is used in the HTRE-1 as a reflector or moderator
 - e. The mere fact that air or water is used in the HTRE-1 is unclassified.
7. It has been determined that one kilogram or less of yttrium associated with the Aircraft Nuclear Propulsion program is unclassified.
8. A new AEC Manual Chapter 3406, dated April 11, 1958, which establishes AEC policy in the appraisal of the classification programs and practices of headquarters, divisions and offices, operations offices, area offices and contractors, has been distributed. A suggested list of points to be covered and remarks concerning procedure and written reports appear in the "Classification Appraisals Guide", copies of which are available from the Division of Classification.
9. It has been determined that the following financial data for Projects Pluto and Rover are unclassified: Contract total and AEC total; the approximate number of scientists at work on these projects is also unclassified.
10. It has been determined that the following facts on the research and development use of tungsten in weapons is unclassified:
 - a. The mere interest of weapons research and development laboratories in tungsten
 - b. The procurement of high density tungsten by weapons research and development laboratories
 - c. The fact that tungsten is used in weapons
 - d. The quantity of tungsten procured for weapons research and development laboratories.

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-3-

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11. The code word "RADEX" for the procurement of yttrium by the AEC has been compromised; this term should no longer be used as a code word for this program. However, documents in the files containing this code word need not be upgraded. The term "yttrium" will be used and classified if the interest in yttrium by the office using this name is classified. Item 5 of Classification Bulletin No. 12 is hereby superseded by the classification guidance above.
12. A classification guide entitled "Chicago Operations Office Procurement Classification Guide" identified as CIA-246 has been approved for use. This Guide is designed to give classification guidance for the proper protection of information concerned with the centralized procurement of certain special reactor materials.
13. The following general policy on the classification of financial and budget data has been devised for use by the Division of Classification:
 1. Dollar payments for classified work are unclassified, provided the classified basis for these payments is not revealed or inferred.

Budget activity numbers, however, may reveal the classified basis for payments (See items 6, 7, and 8).
 2. Total dollars (cost, obligation, or budget) for individual operations office, area office, or contractor are unclassified. (See items 7 and 8).
 3. Dollar or other cost breakdown into production, research and development, procurement, etc. by a contractor, area office, operations office or the AEC for unclassified activities is unclassified. In applying this rule, care should be exercised to prevent the disclosure of information classified under item 8.
 4. For construction projects, total costs, obligations and estimates are unclassified unless the existence or magnitude of the project is classified. However, documents giving this data must be classified if they include classified descriptions of the projects.
 5. The methods by which the Commission computes its costs are classified.
 - 5.1 The depreciation figures for production plants are classified.

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-4-

- 5.2 The fact that the AEC uses a fifteen percent general overhead factor in determining prices is unclassified.
6. Budget activity numbers with associated dollar values are classified when the dollars or costs connected with the specific activity are classified.
 - 6.1 The association of budget activity numbers with unclassified account titles is unclassified. (From a classification standpoint it is difficult to keep the association of two items, which in themselves are unclassified, classified.)
 - 6.2 To determine if information in which budget activity numbers appear is classified, replace the activity number with its account title; if the information is now classified it is also classified when the activity number is used without its account title.
7. Financial data which reveals a program whose existence is classified must also be classified.
8. To protect the emphasis, direction and/or rate of progress of classified programs, the following is classified:
 - 8.1 Dollar or other cost breakdowns into production, research and development, procurement, etc. by any contractor, area office, operations office or the AEC for lithium procurement, special nuclear materials, weapons, aircraft nuclear propulsion, missile propulsion, and long range detection programs.
9. Unit costs of source and special nuclear materials are classified.
10. Unit costs of any weapon part from which an estimate of classified production rates may be obtained are classified unless their declassification is specifically approved by the Director, Division of Classification, Headquarters.

The guidance listed above may be used by Operations Offices and Headquarters Divisions in preparing classification guides for financial and budget data which cover their operations. The topics may not be used as authority to declassify or to originate information as unclassified, except upon specific delegation by the Director, Division of Classification.

~~SECRET~~

~~SECRET~~

Classification Committee Chairmen -5-

11/10/54

Addressees:

W. H. Lawrence, ALOO
G. Stubbings, BAO
C. E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
A. T. Morphew, IOO
L. R. Michener, OROO (30)
M. F. Moore, SAN
J. V. Levy, SROO
L. C. Cooper, SOO
H. F. Carroll, ORE (2)

Director, B&M

" OID
" IC
" INSP
" INT
" DIA
" DMA
" PROD
" RD (10)
" RES
" SEC

Manager, ALOO

" COO
" GJOO
" HOO
" IOO
" NYOO
" OROO
" SAN
" SROO
" SOO

~~SECRET~~

~~CONFIDENTIAL~~

Classification Committee Chairmen -2-

SEP 12 1958

(NPR) program. Another representative of the division met with AEC and contractor personnel at Sandia Corporation and South Albuquerque Works, Albuquerque, New Mexico; Los Alamos Scientific Laboratory; Silas Mason--Mason and Hanger Company, Amarillo, Texas; and the Bendix Company, Kansas City, Missouri, for an orientation tour of the facilities and to discuss classification problems relating to their programs.

Addressees:

W. H. Lawrence, ALOO
Charles E. Teeter, Jr., COO
C. L. Robinson, HOO
Alan T. Morphew, IDOO
L. R. Hichener, CROO
M. F. Moore, SAN
J. H. Kruth, SROO
L. C. Cooper, SOO

~~CONFIDENTIAL~~

Classification
of Item

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2. The information originated in connection with the Diogenes exercise which reveals the details of the methods used in conducting the exercise is classified Confidential Defense Information. The general lessons learned as a result of the exercise are Official Use Only. Any special materials or equipment used in the exercise are Secret Defense Information. Restricted Data was not inherent in this exercise; however, information associated with this exercise which is classified by reason of an existing classification guide topic shall continue to carry the classification assigned by that topic. Distribution of all Diogenes information will be controlled by the Directors of the Divisions of Nuclear Materials Management and International Affairs.

OVO

3. The mere fact of operation of the HTRE-2 and HTRE-3 without details as to the specific dates of operation or the length of time of operation is unclassified. However, the fact that the ANP accident which occurred at the Initial Engine Test at NRTS on November 13, 1958 occurred in the HTRE-3 is classified Confidential Restricted Data.

C-RD

~~RESTRICTED DATA~~

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

DECLASSIFICATION REVIEW

EXPIRATION DATE: 10-03-07 (EXPIRATION (UFGLE NUMBERS))

REASON FOR DECLASS: 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 <

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Classification Committee Chairmen

-2-

FEB 18 1959

Classification
of Item

4. OC Doc-33 has now been superseded by OC Doc-65. It is anticipated that copies of the new guide will be distributed about March 15, 1959. U
5. The following classification guidance concerning the classification of plutonium procured from Canada has been approved: C-RD
 - (a) All quantities of uranium or plutonium shipped between Canada and the U.S. are unclassified.
 - (b) The fact that such shipments are made is unclassified.
 - (c) The unit price the U.S. pays Canada for the plutonium is classified Confidential Defense Information.
 - (d) The total dollar value of the plutonium purchased for any period of time is Confidential Defense Information.
6. The fact that Atomics International is investigating the potential application of thermocouples for the direct conversion of heat to electricity (non-rotating conversion equipment) for the SNAP II project is unclassified. U
7. The following classification guidance on weapons testing has been distributed: S-DI
 - (a) The fact that any AEC weapons laboratory is maintaining a capability to test nuclear weapons at NTS or EPG is unclassified.
 - (b) Any information that reveals that the AEC plans might include a resumption of testing before or after October 31, 1959, is classified Secret Defense Information.
 - (c) With respect to ^{hydro-nuclear} experiments; any information that reveals that the AEC is engaged in or has plans for any experiments involving nuclear fission associated with the testing program is classified Secret Defense Information.

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FEB 13 1959

Classification
of Item

8. The mere fact that the Idaho Chemical Processing Plant can or will process ANP program reactor fuels in general without identifying particular reactors either by name, designation or type is unclassified. In addition, the mere fact that the ICPP can or will process fuels for the following specific reactors or reactor types is also unclassified: S-RD

(a) All ANP test reactors (ASTR, GTR, etc.) and HTRE-1, HTRE-2, and HTRE-3.

However, this information when related to other experimental ANP reactors and any ANP propulsion reactor is classified Secret Restricted Data.

9. Reference is made to Classification Bulletin No. 10, Item 2, and Bulletin No. 20, Item 10. It is no longer necessary to classify any AEC document which has been classified because of the association of 93.4% enriched U-235 with the terms "fully enriched" or "top product". However, the fact that 93.4% enriched U-235 is "weapon grade" is classified Secret Restricted Data. S-RD

10. A meeting was held on January 30, 1959, in the Office of the Secretary of Defense to discuss the matter of the classification of photographs. It was formally recognized that the AEC and DOD use different criteria in determining the releaseability of photographs depicting ground level and aerial views of atomic energy production and weapons installations. It was agreed that it was desirable for both agencies to collaborate in establishing a new national policy on this subject. This Division's proposal regarding the new national policy is now being submitted to the DOD. C-DI

11. Reference is made to Classification Bulletin No. 25, Item 2. This item states that whenever documents issued as unclassified are found upon later authoritative review to contain Restricted Data, notices indicating that such documents require classification should be distributed on a classified basis. The same procedure should be followed in the case of documents which are found to contain classified information U

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FEB 8 1959

Classification
of Item

other than Restricted Data, i.e., Defense Information. It also applies when notices are issued stating documents have been erroneously declassified. The notices should be classified as either Restricted Data or Defense Information depending upon the content of the document in question.

12. Quantities of enriched uranium which have been declassified or allocated to the Civilian Application Program by Presidential directive have in many instances been shipped from contractor's plants as though the original classification of the material was still in effect. Such material need not be afforded security protection because of any classification reason since such material does not have any security value. If, however, a contractor decides to ship such enriched material under security safeguards because of its high intrinsic value, the reason for adopting such procedures should be clearly understood, i.e., that the contractor chooses to do so and not because a classification requirement makes it necessary. U
13. The Enrico Fermi reactor has been placed in the unclassified areas of research. U
14. The Fast Oxide Breeder Reactor has been added to the list of unclassified reactors. U
15. The design engineering studies on systemized organic-cooled and pressurized water reactors have been approved as unclassified research projects of ANL. U
16. The fact that the term CAMAL means "Continuously Airborne Missile Launching and Low Level Penetration Weapon System" has been declassified. U

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~~SECRET~~

Classification Committee Chairmen -5-

Addressees:

W. H. Lawrence, ALO
Charles E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
Alan T. Morphew, IDOO (10)
L. R. Michener, OROO (30)
M. E. Moore, SAN
J. H. Kruth, SROO
Ivan Rice, LAROO
Cmdr. J. E. C. Wright, PNROO
L. C. Cooper, SNROO

Copies to:

Gordon Stubbings, BAO

H. F. Gaffell, CRE

H. B. Traynor, AGM

Director, B&M

" , IS
" , INSP
" , INT
" , DIA
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" , DRD (10)
" , RES
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Controller, FIN

Manager, ALOO

" , COO
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" , OROO
" , PNROO
" , SAN
" , SROO
" , SNROO
" , LAROO

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Office Memorandum • ~~SECRET~~ UNITED STATES GOVERNMENT

000009553

TO : Classification Committee Chairmen

DATE: APR 23 1959

FROM : C. L. Marshall, Director *CLM*
Division of Classification, Washington

This document consists of 2 pages, No. 104 of 120 Copies Series A.

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 30

DP32FR89 00667

SYMBOL: C:HFG

LC

Classification
of Item

1. The Argonne High Flux Research Reactor, AHF-1, and the proposed East Central Nuclear Group and Florida West Coast Nuclear Group reactors, ERNG-FWONG, have been placed in the unclassified fields of research.

U

2. The Commission has announced the availability of 100,000 curies/year of Kr-85 to meet industry's demands. This material is sold and shipped from Oak Ridge on a completely unclassified basis.

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3. The Commission has established an unclassified pool containing 1,000,000 curies of tritium to be sold to industry. Identification of the exact source of this material and any indication of a production program remain Secret Restricted Data. Note that the above figure does not, in itself, indicate a tritium production program since much more than this is generated in certain reactor control rods incidental to normal reactor operation.

S-RD

4. It is important that originators of classified correspondence provide specific instructions to secretaries or typists as to the classifications to be applied to such correspondence. We have

U

~~RESTRICTED DATA~~

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

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DATE: 10-25-07	2. DETERMINATION (CIRCLE NUMBER(S))
3. AUTHORITY: E.O. 12958	1. CLASSIFICATION RETAINED
4. DATE: 11/13/09	2. CLASSIFICATION CHANGED TO:
5. BY: <i>B. H. H. H.</i>	3. CONTAINS NO DGE CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO TRACKED
	7. OTHER (SPECIFY): <i>NO</i>

Sanitized version

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20001481

Classification
of Item

recently been made aware, under circumstances very embarrassing to the AEC, of erroneous classifications applied to correspondence by secretaries in the absence of proper instructions from their supervisors.

5. Attention is called to the fact that a collection of apparently individually unclassified data may reveal classified information, for example, (1) through association or (2) by revealing a significant quantity or rate.

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In the first case, certain technical data might be quite properly unclassified but would reveal classified information concerning a particular program if related to it. Any data indicating this association should be classified as such.

In the second case, certain production, processing, or shipping records reveal, individually, such a minor quantity of work or material or cover such a minor period of time that they are handled as unclassified or of relatively low classification. A sufficient number of such records taken together, however, can reveal totals which are significant enough to the program to carry a higher classification. Therefore, enough of the individual records must carry the higher classification so that the sufficient number referred to cannot be assembled at the lower classification. Note that these particular records will not be overclassified, because the basic rule is that classification should not be by content alone but by what is revealed in conjunction with other unclassified information.

~~SECRET~~

Addressees:

W. H. Lawrence, ALO
 Charles E. Teeter, Jr., COO
 C. L. Robinson, HOO (15)
 Alan T. Morphew, IDOO (10)
 L. C. Cooper, NYOO
 L. R. Michener, OROO (30)
 M. F. Moore, SAN
 J. H. Kruth, SROO
 Ivan Rice, LAROO
 Cmdr. J. E. C. Wright, PNROO

Copies to:

Gordon Stubbings, BAO
 H. F. Carroll, ORE
 H. S. Traynor, AGM
 Director, B&M

" , TS
 " , INSP
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 " , DIA
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 " , PROD
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Manager, ALOO

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 " , SNROO
 " , LAROO

L. M. Brenner, JAIEG
 Ralph G. Mayer, SEC
 Dr. Paul Fine, OA&F

This document consists of 3
pages, No. 27 of 325
copies, Series A.
DP32FR89010666

TO : Those Listed Below

FROM : C. L. Marshall, Director
Division of Classification, Washington

June 12, 1959

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 32

SYMBOL: C:HFG

Classification
of Item

1. The GE-ANP Shield Test Pool Facility (Susie Reactor) at the Idaho Test Station has been added to the list of unclassified reactors in OC Doc-74. U
2. It should be noted that the unclassified quantities of certain materials as listed in OC Doc-65 are totals for the entire project. A topic establishing an unclassified quantity does not authorize the distribution of this amount to an individual or group for unclassified research. Rather, it authorizes the Division of Research to approve distribution aggregating this amount. U
3. The fact that up to 20,000 curies per year of krypton is trapped at the ICPP and shipped to Oak Ridge for sale is unclassified. DOE B(2)

4. AEC contracts should recognize the classification aspects of the proposed work. It is not sufficient merely to note in the contract that the work is unclassified; the appropriate project Category, as defined in AEC Manual Section 3403-062, should be specified -- after it is established in conformance with that Section. In the case of classified work, the responsibilities of the parties should be clearly assigned, the subject being U

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~~RESTRICTED DATA~~
This document contains restricted data as defined in the Atomic Energy Act of 1954. Its transmittal or the disclosure of its contents in any manner to an unauthorized person is prohibited.

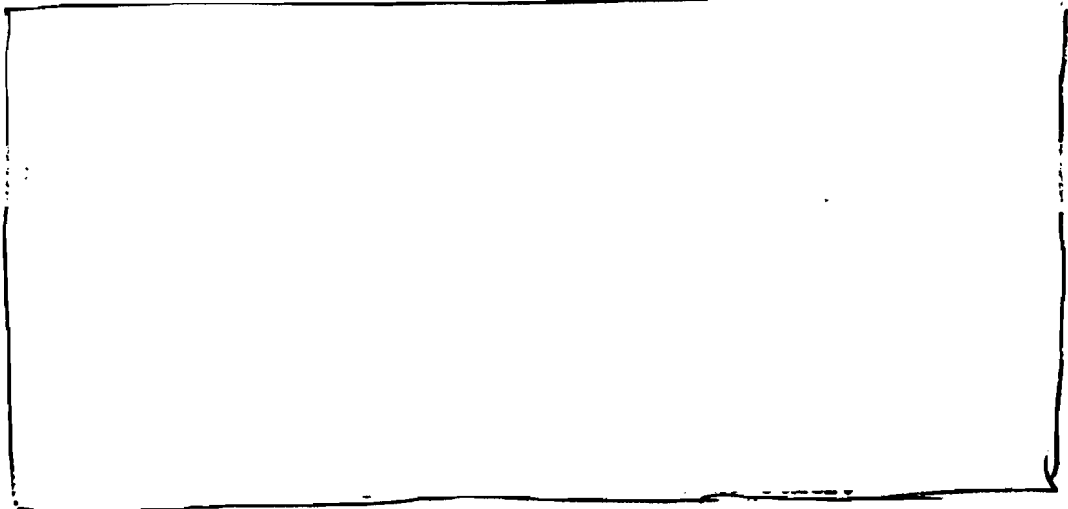
ORO-1021

1. CLASSIFICATION REVIEW	
DATE: 12-11-59	BY: [Signature]
2. CLASSIFICATION CHANGED TO:	
3. COMMENTS ON DOC CLASSIFIED INFO:	
4. CLASSIFICATION CHANGED TO:	
5. CLASSIFIED INFO EXCLUDED:	
6. OTHER COMMENTS:	

treated at least as thoroughly as in the following Classification article appearing in the Chicago Operations Office contracts:

"In the performance of the work under this contract, the Contractor shall determine and assign levels of classification to all documents, material and equipment originated or generated by the Contractor in accordance with classification guidance furnished to the Contractor by the Commission. The Contractor will furnish classification guidance to its sub-contractors and vendors."

5.



DOE
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6. Production rates of plutonium and tritium and the allocations for weapons use of these materials, after July 1, 1958, have been downgraded by the Commission to Secret Restricted Data. The cumulative production totals and cumulative allocations for weapons use, at any point in time, as well as the production rates and allocations to weapons before the above date, remain Top Secret Restricted Data. S-RD
7. The necessity of properly classifying correspondence is worthy of occasional re-emphasis in this Bulletin. The originator of correspondence is responsible for its correct classification. He should never leave this decision to his secretary or other subordinate. If he is in any doubt whatsoever he should seek guidance from an authorized classifier. There are two reasons for doing this; one, the obvious relevance to the national defense and security; and two, his own education in the proper classification of subjects he U

~~SECRET~~

Those Listed Below

- 3 -

writes letters about. We strongly urge classification officers to take every opportunity to point out that correspondence which is incorrectly classified (too high or too low) is dangerous or embarrassing or both.

Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

Classifiquote:

"We must bear in mind that if the other side learns all that we know but we remain ignorant of what they discover, we will find it very hard to stay ahead in the game."

-- Seitz and Wigner in "Bulletin of the Atomic Scientists"

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~~CONFIDENTIAL~~

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Office Memorandum • UNITED STATES GOVERNMENT

TO : Those Listed Below

DATE: JUL 23 1959

FROM : C. L. Marshall, Director
Division of Classification, Washington

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 33

SYMBOL: C:HFG

*Please put
in my
book*

Classification
of Item

1. The design and operation of the Aircraft Reactor Test per se has been declassified. Any evaluation of the ART design or data with respect to more advanced ANP designs, and the reasons why the concept is now considered unsuitable for aircraft propulsion, remain classified. U
2. The fact that the Commission is stockpiling uranium ore concentrates has been declassified. U
3. The mere association of yttrium and zirconium hydrides with the ANP Program has been declassified. Remaining classified, however, is the end use of these materials in the program and the technology developed in the program for their preparation and fabrication. The change makes it possible for ANP contractors to reveal their interest in these materials and to procure samples on an unclassified basis for study and testing. U
4. The fact that beryllium and/or beryllium oxide are used in the ANP Program as moderator or reflecting materials, and that lithium hydride and tungsten are used in the program as shielding materials, has been declassified. This action makes it possible for ANP contractors to reveal their interest in these materials, to procure samples on an unclassified basis for study and testing, and to publish data on their properties. Specific technology developed in the program and fabrication of actual components remain classified as before. U

This material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by

10-05-07	
1. DISSEMINATION STATUS	
2. CLASSIFICATION OF INFORMATION	
3. DATE OF REVIEW	
4. REVIEWER'S NAME	
5. REVIEWER'S TITLE	
6. REVIEWER'S ORGANIZATION	
7. REVIEWER'S ADDRESS	
8. REVIEWER'S PHONE NUMBER	
9. REVIEWER'S FAX NUMBER	
10. REVIEWER'S E-MAIL ADDRESS	

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Those Listed Below

- 2 -

5. The association of all quantities of europium and gadolinium with the ANP Program has been declassified, removing the former 500 lbs. restriction. U
6. In the briefing of those about to make a foreign visit, they should be reminded that their trip report or other accounts of their visit might contain classified information and that they should check with the Classification Officer of the local Operations Office before committing it to paper. This subject was treated in Bulletins Nos. 27 and No. 29. The treatment below, however, is unclassified and for the benefit of those unclassified individuals who may need the guidance. U

It should be realized that another country may be at least as determined as we in guarding classified information, and perhaps much stricter than we with nationals evincing less than 100% devotion to and satisfaction with the government. On returning from a visit to a foreign facility or conference, therefore, it is grossly unfair to a foreign scientist to publish anything he let slip, even unwittingly, in private conversation which could cause him trouble on this score. Even if he is not named it must be assumed that comments regarding classified work can be traced to their source. It must also be assumed that even limited dissemination of a report, if on an unclassified basis, can let word get back home regarding the scientists indiscretion. We are then harmed, in turn, by the resultant reluctance of scientists for further informal interchanges during visits and by increased difficulty in arranging for the visits themselves. If information which can have these effects must be included in a trip report, it should be classified at least Confidential Defense Information.

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DOE

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~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Those Listed Below

- 3 -

8. The Classification Guide for the Project Pied Piper Program, approved October 8, 1956, is obsolete and should be destroyed. Both it and SO-29, Classification Guide for Project SNAP-I, have been superseded by CLA-303, Classification Guide for Projects SNAP-I and SNAP-II, approved December 8, 1958 and issued jointly by the Chicago and New York Operations Office.

U

Addressees:

Classification Officers

Headquarters Division Directors

Operations Office Managers

Senior Reviewers

Coordinating Organization Directors

Responsible Reviewers

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~~CONFIDENTIAL~~

D00007559

Office Memorandum • UNITED STATES GOVERNMENT

TO : Those Listed Below

DATE: February 25, 1960

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 40

SYMBOL: C:CFK

Classification
of Item

1. Although the "Classification Policy Guide", OC Doc-68, provides that experimental work on and detailed mechanical design for the centrifuge method of isotope separation be declassifiable, the intent of the paragraph following the topic was to keep this work classified when it became apparent that the method could be used for the production of large quantities of U-235. It has now been determined that U.S. work in this field has reached a "breakthrough" point. Reports of future work in the gas centrifuge program will remain classified at the same level and on the same basis as work in the gaseous diffusion program. Most of the reports dealing with the centrifuge method of isotope separation, which describe work performed before the "breakthrough", have already been reviewed for declassification and have been declassified.

C-RD

2. The Commission has concurred in a DOD request that classification guides for the military reactor programs will be joint AEC-DOD guides in the future. The Division of Classification will approve such guides on behalf of the AEC and submit them to MLC for formal DOD approval. Upon issuance, the classification guides will be jointly used by the AEC, the DOD and their contractors.

U

~~RESTRICTED DATA~~

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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CLASSIFICATION REVIEW	
1. CLASSIFICATION REVIEWED	2. CLASSIFICATION CHANGED TO
3. COMMENTS ON DOD CLASSIFIED INFO	4. COMMENTS ON AEC CLASSIFIED INFO
5. CLASSIFICATION CANCELED	6. CLASSIFIED INFO CANCELED
7. OTHER COMMENTS	

DATE: 11/14/67
BY: [Signature]
FOR: [Signature]

STANDARD VERSION

~~CONFIDENTIAL~~

Those Listed Below

-2-

February 25, 1960

3. It is important that all personnel concerned with unclassified civilian power reactor and research reactor projects and unclassified research projects understand that the unclassified status of the project may be altered if classified materials are procured for use in the project. It is suggested, therefore, that AEC and contractor personnel be cautioned that unclassified materials should be specified when requesting materials for unclassified reactor or research projects. U
4. Copies of OC Doc-68, "Classification Policy Guide" have been distributed. The effective date of the new guide is January 18, 1960. The new policy guide supersedes OC Doc-44, "Declassification Guide for Responsible Reviewers" dated February 18, 1957. U
5. Effective immediately, any notations appearing in a classification guide that indicate that although the information covered by the topic is unclassified, no public release may be made without AEC and DOD or other agency concurrence, should be cancelled. No new classification guides will carry this notation. Instructions concerning the handling of unclassified information prior to its public release are now adequately covered by AEC Manual Chapters and DOD regulations. U
6. By memorandum dated January 26, 1960, the Division of Security distributed a list of AEC code words, without meanings, which have been authorized or are available for use. The list also identifies the Headquarters Division, Operations Office, or AEC contractor that originated the word. It should be noted that the meanings of AEC code words are classified, and should be so handled until a notification of their declassification has been received. U

Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers
Division of Classification

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Those Listed Below

- 2 -

July 25, 1960

4. A question has been raised as to the classification of the transplutonium program in view of the releases made by Dr. Seaborg in the April 2, 1960 issues of BUSINESS WEEK and SCIENCE NEWS LETTER. The transplutonium program is essentially unclassified, and our interest is only to protect classified information about the Savannah River Plant.

C-RD



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B(2)

Addressees:

~~Classification Officers~~

Headquarters Division Directors

Operations Office Managers

Senior Reviewers

Coordinating Organization Directors

Responsible Reviewers

~~CONFIDENTIAL~~

Memorandum

D00009564

TO : Those Listed Below

DATE: October 11, 1960

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 46

C:RLM

Classification
of Item

1. OC Doc-74, "Guide to the Unclassified Fields of Research" dated August 25, 1960 has been issued to all Headquarters Divisions, Offices, Operations Offices and contractors for use. This guide supersedes AEC Manual Appendix 3403-05. Additional copies of the guide may be obtained from Chief, Declassification Branch, P. O. Box E, Oak Ridge, Tennessee. U
2. The following Feed Materials technology has been declassified: U
 - a. High-alpha temperature range forming processes (600°F to 1200°F) such as rolling and extrusion
 - b. Beta heat treating
 - c. Technical efforts on the development of new specific standard operating procedures for high-alpha production forming processes and beta heat treatment when carried on in specific equipment to be utilized for production.
3. All Classification Officers are reminded of their responsibility to expedite the review of any item which has an early publication date or release date. Where time and the nature of the information involved does not permit use of the standard declassification review procedures as outlined U

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
REVIEW DATE: 10-22-07	DETERMINATION (CIRCLE NUMBER)
1. CLASSIFICATION RETAINED	
2. CLASSIFICATION CHANGED TO:	
3. CONTAINS NO DOE CLASSIFIED INFO	
4. DATE WITH:	
5. CLASSIFICATION CANCELED	
6. CLASSIFIED INFO BRACKETED	
7. OTHER (SPECIFY):	

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Those Listed Below

- 2 -

in Manual Chapter 3402 such items should be forwarded either to the Director, Division of Classification, Headquarters, or to the Chief, Declassification Branch, Oak Ridge, Tennessee for expedited review. In submitting items for expedited review, please specify the scheduled release or publication date.

4. The following projects have been approved as Category I unclassified research:

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- a. Army Power Reactor - RM-3A - to be located at McMurdo Sound, Antarctica
- b. Development of Al₂O₃ Coated UO₂ Dispersed in Graphite - BMI contract with DRD
- c. Development of Pyrolytic Graphite Coated UO₂ and UC₂ - BMI contract with DRD

5. The following guidance pertains to the handling of trip reports of AEC or contractor employees (including former employees) to Soviet Bloc countries:

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"Trip reports of travel to Soviet Bloc countries are required under AEC Manual Chapter 2502-05 only from AEC or AEC contractor personnel. The expected contents of these reports is also defined in this chapter. Monthly Classification Bulletin Nos. 27 Item 7 and 29 Item 7 define the types of information that must be handled as classified. This guidance can and should be given AEC and AEC contractor personnel prior to the preparation of their trip report.

"Since experience has shown that few trip reports are classified, the occasional report containing classified information could be prepared in both an unclassified and classified form. This procedure should be encouraged by explaining that the object of reporting is to obtain a wide dissemination of the unclassified information.

"In the rare instances when an uncleared individual is requested to submit a trip report, he may be advised in advance that submission of any information of the type defined in Monthly Classification Bulletin No. 33 Item 6, should be classified appropriately in

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Those Listed Below

- 3 -

a separate report and all copies furnished the AEC. In view of the fact that the purpose of classification is to protect the source of the information it appears unlikely that an individual preparing the report would object to this procedure. Where an unsolicited report is received from an uncleared individual, the Classification Officer should notify the traveler that his trip report does contain classified information and steps should be taken to obtain all copies.

"Individuals traveling at the request of other government agencies, or employees of such agencies, do not fall within the purview of AEC Manual Chapter 2502 and 2502-05."

6. AEC Manual Chapter Appendix 2401-071, pages A thru E, dated April 16, 1960 were declassified without deletions on August 19, 1960. U

7. All details of imports of uranium and thorium ores or concentrates except the following may be handled as unclassified: U

a. Breakdown of uranium imports from Australia to specific mines

b. Total or breakdowns to individual mines of uranium imports from Portugal for any period between January 1942 to July 1, 1960

c. Total thorium imports from India or France.

Information falling within the scope of (a), (b), or (c) above is not classified but is privileged information and must be handled as Official Use Only.

8. The following information concerning the design goals of the manned nuclear aircraft has been declassified: U

a. Flight at altitudes up to 35,000 feet

b. Speed of .8 Mach

c. A thousand hour life reactor

d. Scheduled flight date of not later than 1965.

Appropriate topics of the GE-ANPD Classification Guide TP-4 will be amended to reflect the above.

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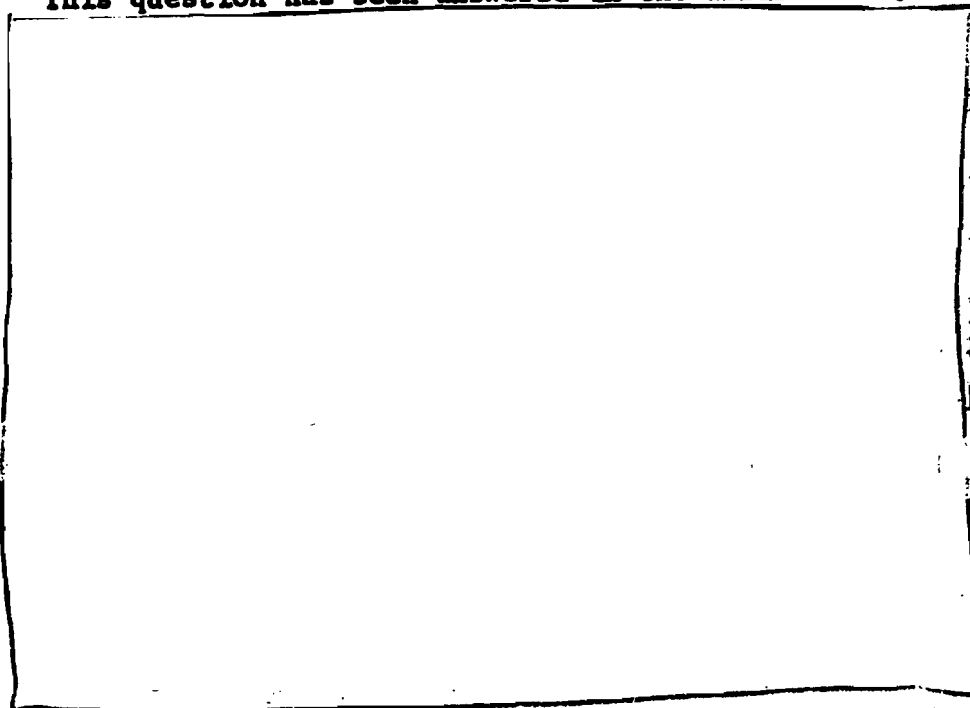
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- 4 -

9. The question has often been asked as to whether any evidence existed that foreign governments follow our procurement programs with any degree of interest. This question has been answered in the affirmative.

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10. We have noted that well over a 100 foreign visitors per month were scheduled to visit various AEC sites during the months of August and September for discussion with AEC or AEC contractor personnel on unclassified aspects of the Atomic Energy program. It is especially important that personnel taking part in such discussions should be thoroughly briefed that only unclassified information may be transmitted in these discussions. We consider this point should be covered in each Classification Officer's education and training program.
11. The Office of Health and Safety has initiated a procedure whereby environs monitoring reports are prepared for release to the various State public health agencies by all AEC Operations and Area Offices. The Division of Classification, Headquarters, has reviewed the first two quarterly issuances of these environmental monitoring reports and has determined that the reports reviewed fall within the definition of Topic 3 of OC Doc-74, "Guide to the Unclassified Fields of Research" or

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unclassified topics of local classification guides. It is suggested that Operations Offices establish classification review procedures for this type report. The fact that such reports have been reviewed and determined to be unclassified by the office submitting the report to the Office of Health and Safety should be noted on the transmittal.

12. Reference is made to Classification Bulletin No. 29 Item 3 issued March 12, 1959 which announced that classification guidance had been issued for the program for the production of research quantities of transplutonium elements. C-RD

The current classification guidance for this program is as follows:

1. Total quantity of transplutonium elements (produced by HFIR-ORO) U
2. Quantity of Pu-239 irradiated in any production reactor except as noted below S-RD
 - 2.1 The mere fact that 12 kg of Pu-239 for this program has been irradiated in a SROO reactor U
3. Quantities of transplutonic elements produced per megawatt day (grams per megawatt day, curies per megawatt day) S-RD
4. Duration and flux of the irradiation (Pu-239 target exposure in any production reactor). S-RD

Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

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Memorandum

No. 31 of 350 Copies, Series

DP32FR89010664

TO : Those Listed Below

DATE: November 25, 1960

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 47

C:RLM

Classificati
of Item

1. OC Doc-66, "Classification Guide for Research and Development Leading to a Nuclear Reactor for Ramjet Missiles (Project Pluto)" and OC Doc-70, "Classification Guide for Nuclear Rocket Engine Program (Project Rover)" have been revised and will be issued as OC Doc-75 and OC Doc-76, respectively. Distribution of these guides will be made by the Declassification Branch, Oak Ridge.

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2. Reference is made to Classification Bulletin No. 46, Item 12, issued October 11, 1960 which provided detailed guidance on transplutonium element production. Two additional topics should be added:

S-RD

- a. Mere fact that there is or has been a high Pu-240 plutonium irradiation and recovery program at Savannah River for the Hanford PRTR.

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Addressees:
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Headquarters Division Directors
Operations Office Managers
Senior Reviewers
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REVIEW DATE: <u>10-23-87</u>	DETERMINATION (CIRCLE NUMBER)
PRIORITY <input type="checkbox"/> CC <input type="checkbox"/> DD	1. CLASSIFICATION RETAINED
DATE: <u>11/14/87</u>	2. CLASSIFICATION CHANGED TO:
REVIEWER: <u>Betty N. Hance</u>	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORD. DATE WITH:
	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): <u>ADH</u>

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Those Listed Below - 2 -

November 25, 1960

3. a. Unclassified plutonium will be available in the near future for reactor research. It will be prepared from high-exposure uranium slugs specially segregated at Hanford. Its Pu-240 content will be biased upward from average by a significant amount, and thus it will not represent "standard" production plutonium. The per cent Pu-240 will be about 7.7. This material will be unclassified in all quantities at all times. S-RD
- b. A special lot of 250 kilograms of plutonium whose Pu-240 content is in the range of 4.5 + 0.3% has been prepared for use in the Argonne reactor program. This special lot of plutonium is unclassified. U
- c. It is re-emphasized that with the above exceptions all Hanford and SRP plutonium is classified. S-RD

In the future all plutonium for unclassified use must come either from the special material from Hanford described in paragraph 3(a) above, or the plutonium produced in civilian power and other unclassified reactors. No further special batches can be declassified. S-RD

The above supersedes interim classification guidance furnished in Item 1 of Classification Bulletin No. 42 dated April 20, 1960. However, quantities or lots of plutonium previously declassified remain unclassified. U

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UNITED STATES GOVERNMENT

Memorandum

D00009566

TO : Those Listed Below

DATE: December 21, 1960

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 48

C:CFK

Classification
of Item

1. On November 16, 1960, the New York Herald Tribune published the following statement credited to President Eisenhower:

C-RD

"Today the Polaris Submarine, U.S.S. George Washington, leaves the U.S. for the high seas. It will be the first of its kind to become operational and inaugurates a new technique of deterrence, roving and hidden under the seas. With sixteen thermonuclear missiles a piece, the George Washington and her following sister ships possess a power and relative invulnerability which will make suicidal any attempt by an aggressor to attack the free world by surprise."

The above statement is not be considered as authority to declassify information covered by topics 1.071, 8.252, 8.253, and 8.254 of OC Doc-71. Any unavoidable unclassified references to the fact that the Polaris has a thermonuclear warhead should reference the specific Presidential statement quoted above.

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5. REVIEWER: [Signature]	
6. CLASSIFICATION CANCELED TO: 1. CONFIRMING NO DOC CLASSIFIED INFO	
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8. CLASSIFIED INFO UNCLASSIFIED: 3. CLASSIFIED INFO UNCLASSIFIED	
9. OTHER SPECIAL INSTRUCTIONS: 4. OTHER SPECIAL INSTRUCTIONS	

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Those Listed Below

- 2 -

December 21, 1960

3. Paragraph 5 of a memorandum dated November 3, 1960 from Forrest Western, Acting Director, Office of Health and Safety, subject: Environmental Monitoring Reports", states:

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"It is requested that environmental monitoring reports contain no references to foreign activities."

This paragraph "is not intended to prevent reporting activity detected at the AEC sites due to foreign nuclear detonations if occurrence of such nuclear detonations has been publicly released. However, it is necessary to prevent the release of information which could relate to a foreign nuclear detonation not previously published. To insure proper control on reporting of radioactivity which may be due to foreign nuclear detonations, it is requested that all such monitoring reports with reference to such foreign activities be submitted to the Director of Intelligence through the Division of Classification for review and appropriate action."

4.

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UNITED STATES GOVERNMENT

Memorandum

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No. 300 of 350 Copies, Series

DATE: July 10, 1961

TO : Those Listed Below

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 53

C:CFK

Classification
of Item

1. Reference is made to Item 1 of Classification Bulletin No. 50. Unclassified plutonium containing approximately 7.7% Pu-240 is now available from the Hanford Operations Office. This material is unclassified in all quantities at all times. The fact that material is manufactured by the Hanford Atomic Products organization is

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2. The total unclassified quantity of Helium-3 (Topic 6.1.1 of OC Doc-65) has been increased to 1500 liters. Please note that this is the unclassified quantity for the entire AEC complex. Information revealing the existence of greater quantities is classified as Secret-Restricted Data.

S-RD

Addressees:
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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. REVIEW DATE: 8-26-87	2. DETERMINATION (CIRCLE NUMBER)
AUTHORITY: OC 8300	1. CLASSIFICATION RETAINED
NAME: [Signature]	2. CLASSIFICATION CHANGED TO:
3. REVIEW DATE: 11/15/87	3. CONTAINS NO DOE CLASSIFIED INFO
PRIORITY: DO	4. COORDINATE WITH:
NAME: Betty H. Harris	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

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- 2 -

July 10, 1961

3. Effective immediately, the designation for classification guides issued by the Division of Classification, Headquarters, has been changed from the old designation of "OC Doc" (Office of Classification-Documents) to a system which will identify the classification guide as follows:

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(1st column)	(2nd column)	(3rd column)
CG	XX	Number

The designation "CG" means "Classification Guide". The first letter of the second column will be an alphabetical letter identifying the major subject heading of the Guide such as "R" - Reactors; "W" - Weapons; "P" - Production.

The second letter of the second column will be an alphabetical letter identifying the minor subject heading of the Guide such as "N" - Naval; "A" - Aircraft.

The number in the third column will identify the edition of the Guide being issued. The number "1" will be used for the first edition; 2, 3, 4, etc., will identify future revisions of the Guide.

An example of the new system is the new designation for the Naval Nuclear Propulsion Program Classification Guide "CG-RN-1" (previously listed as OC Doc-78 in Item 1 of Classification Bulletin No. 52.) "Classification Guide - Reactors Naval - 1".

4. The unit cost of producing uranium oxide in the Oak Ridge Complex has been downgraded from Secret-Restricted Data to Confidential-Restricted Data. This supersedes Item 1 of Classification Bulletin No. 51.
5. The Zero Power Reactor at the NASA Lewis Research Center has been placed in the unclassified list of reactors.

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Memorandum

No. 35 of 350 Copies, Series

DP32R9010660

DATE: July 28, 1961

TO : Those Listed Below

FROM : C. L. Marshall, Director
Division of Classification

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 54

Classification
of Item

1. While a code word per se is unclassified, any indication that it refers to a nuclear weapon is classified Confidential-Defense Information. The mere fact that a "non-descriptive" nickname refers to a nuclear weapon is unclassified. However, a nickname may never be used to make unclassified references to features of nuclear weapons which would otherwise be classified by a topic of the "Weapons Classification Guide." Nicknames which reveal or imply classified features of a nuclear weapon must be classified in accordance with the classification of the feature they reveal or imply.
2. The mere fact that high Pu-240 content plutonium is produced for unclassified research purposes and the quantities allocated for such purposes are unclassified.

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The fact that we have a program for the production of Pu-238 in quantities

Addressees:
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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. REVIEW DATE: 10-26-07	2. DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <input type="checkbox"/> DC <input type="checkbox"/> EO	1. CLASSIFICATION RETAINED
NAME: <i>DR</i>	2. CLASSIFICATION CHANGED TO:
REVIEW DATE: 11/15/07	3. CONTAINS NO DOE CLASSIFIED INFO
NAME: <i>Betty L. Harris</i>	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELED
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July 28, 1961

beyond the SNAP needs is Secret Restricted Data. Pu-238 production rates as well as the quantities used in classified programs are classified Secret-Restricted Data. The mere fact that Pu-238 can be used in isotopic SNAP devices and the fact that it was used in the Transit 4A isotopic SNAP device, including the quantity used, is unclassified. Otherwise, the fact of use of Pu-238 in a specific isotopic SNAP device and the quantities of Pu-238 allocated for isotopic SNAP program use is classified Secret-Restricted Data.

3. William C. Hickman has been appointed Classification Officer, San Francisco Operations Office, replacing Milton F. Moore, who has accepted another assignment in the San Francisco Operations Office. U
4. There is significant interest in developing new compact reactors for land, space and underwater propulsion as well as remotely located power sources. Conceptual designs for this type of reactor should be regarded as information that is essential primarily to the design, construction and operation of military reactors. Early in the concept stages, after sufficient technical detail has been developed upon which a classification evaluation can be made, these designs should be submitted for classification review. U
5. Reference is made to Item 2, page 2, of Classification Bulletin No. 51. The identification of the "Guide to the Unclassified Fields of Research" as AEC 3403-05 Appendix should be deleted; this Manual Chapter Appendix has been superseded by OC Doc-74 dated August 25, 1960. U

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UNITED STATES GOVERNMENT

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Memorandum ~~CONFIDENTIAL~~

TO : Those Listed Below

DATE: July 3, 1962

FROM : C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 62

C:CFK

Classification of Item

1. The following classification guidance has been established for barter plutonium, i.e., Pu obtained from the United Kingdom in exchange for enriched uranium in a ratio equal to the ratio of the fuel value of the two materials:
 - (a) The mere fact that "barter" plutonium is to be obtained (or is being obtained) from the U.K. U
 - (b) Quantities (weights) of "barter" plutonium to be delivered (or delivered) to the U.S. S-RD
 - (c) Isotopic composition of "barter" plutonium to be delivered (or delivered) to the U.S. S-RD.
2. A "Classification Policy Guide" (CG-C-1) has been issued effective April 15, 1962. This guide supersedes OC Doc-68 which has been in effect since January 18, 1960. U

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Addressees:
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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DATE REVIEWED: 10-26-07	DETERMINATION (CIRCLE NUMBER)
REVIEWER: [Signature]	1. CLASSIFICATION RETAINED
DATE: 4/15/07	2. CLASSIFICATION CHANGED TO: <u>NSI</u>
BY: [Signature]	3. CONTAINS NO DOE CLASSIFIED INFO
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4. A local classification guide has been issued by the New York Operations Office for the work and information generated by the Pratt & Whitney Aircraft Division (CANEL) under the high temperature materials research program and the program for the development and fabrication of high power space reactors. U
5. The following data on Operation Nougat has been declassified: U

<u>Shot Name</u>	<u>Time and Date</u>	<u>Medium</u>	<u>Yield</u>
Antler	1700:00.12Z 15 Sept. 1961	Tuff	2.4 KT
Fisher	2304:59.63Z 3 Dec. 1961	Alluvium	13.5 KT
Barbican	1800:00.12Z 15 Feb. 1962	Granite	5 KT

Although the above information is unclassified, it is to be noted that no official announcement will be made by the AEC at the present time. The declassified information will be furnished through the Vela program to interested scientists and also for possible use by the U.S. delegation at the Geneva Disarmament Conference.

6. The following principles on the classification of reactor materials research have been adopted: U
- a. In the area of basic reactor materials research, i.e., the investigation of the property of materials, the work should be conducted on an unclassified basis. If, however, during the research a point is reached at which the work represents a "breakthrough" in the solution of design or operation in a classified reactor program, all further work will be classified.
 - b. The second level of reactor materials research, i.e., research performed with a set of selected materials and directed toward the solution of a key problem in a classified reactor program, should be conducted on a classified basis with the understanding that the work and its results might be declassified after review if evaluation establishes that the work or its results do not represent a solution to a key problem in the design, fabrication or operation of a classified reactor.

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Those Listed Below

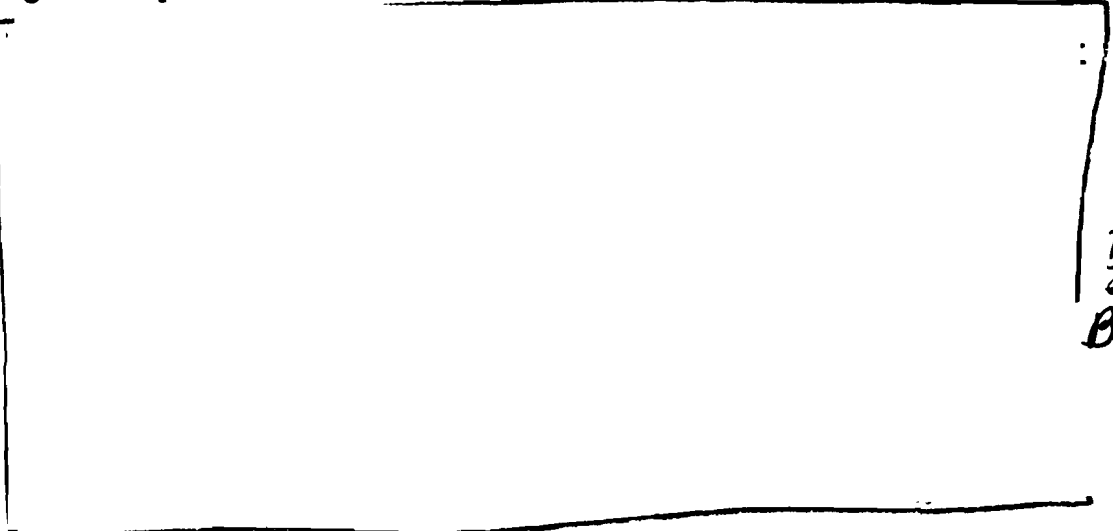
- 3 -

- c. The reactor materials finally selected for use in a classified reactor, including their compositions, are classified when the nature of the material represents the solution to a key problem in the design, fabrication or operation of a classified reactor.
- d. When an identical reactor material is developed outside the AEC program and its existence and composition published, our classification of the material, its composition and its use in the AEC program should be re-examined for possible declassification.

With respect to item 6(a) above, the term "breakthrough" is defined as a substantial improvement in a material or in its properties or performance.

These principles may only be used as a basis for preparing and revising classification guides. It would not be proper to use them as classification guide topics in themselves.

7.



- 8. Preliminary reports on the General Electric Company classified program for the development of high temperature fuel elements indicate that technology being developed in this program on uranium suboxides may be a significant breakthrough in the development of a high temperature fuel element. Pending the evaluation and verification of this possible breakthrough, all uranium suboxide technology development projects should be conducted on a classified basis.

C-RD

This office should be advised of the status and scope of any uranium suboxide development work which has been done on an unclassified basis.

~~CONFIDENTIAL~~

Why Reds make friends with businessmen



BY **J. EDGAR HOOVER**, DIRECTOR,
FEDERAL BUREAU OF INVESTIGATION,
UNITED STATES DEPARTMENT OF JUSTICE

Communist agents may try to get your secrets or sway your opinion

At this moment the Russians are doing everything they can to make friendly contacts with American businessmen—to meet them personally, to cultivate their friendship, to establish cordial relations.

Why? Because the communists have changed their view that the businessman is a monopolist or exploiter? No.

Because the Russians want to become like American businessmen? No.

It is because the Russians want to obtain—by begging, borrowing or stealing—the industrial secrets of American business.

For this reason American industrial firms are today a priority target of Russian and satellite espionage, especially businessmen handling scientific and technical information. Perhaps you have been contacted as part of this campaign.

Not long ago a business firm ran a routine newspaper advertisement saying that it would send upon request a free booklet about the American aircraft industry. Shortly afterward an official of the Soviet Embassy requested a copy. The firm's Washington representative mailed it to him.

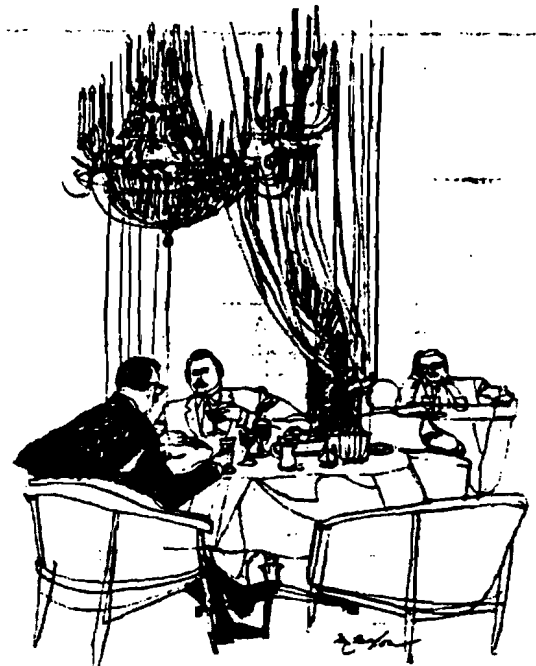
Approximately three months later, the local representative received an invitation to a social function at the Russian Embassy. He accepted. While he was there, the Soviet official who had originally requested the booklet sought him out. The Russian was most affable and during a brief conversation alluded to the information about the aircraft industry. He commented that the data was most interesting and wondered whether the businessman had more.

Personal contacts important

The request for a free booklet is a technique often utilized to make an initial contact. Sometimes the Russians write a letter on their own initiative requesting pamphlets, books, maps and other material from business firms. They may visit a company per-

sonally. They want to obtain literature but also—and this is most important—they want to make personal contacts with you, a businessman.

Attending conventions, especially those of a scientific and technical nature, is a favorite way of making contacts. Soviet officials systematically cover conventions throughout the country. Here they gather material of every possible description—anything they can lay their hands on. It is amazing to see the voracious Soviet appetite—everything from telephone directories to radar devices, from aerial photographs to scientific textbooks. If the convention provides



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Soviet officials swarm to U.S. business exhibitions to get data to ship home

carry-home folders for the convenience of visitors, the Russians stuff them with material. Often they make trips to their automobiles, dumping out their collections. On the West Coast two Soviet officials lugged an estimated 250 pounds of material from a scientific convention.

Individual exhibition booths receive special attention from the communists. Here they gather literature, sign their names for free samples or brochures and make personal contacts. As a rule they make no secret of their identity—registering for the convention and wearing name tags. They love to exchange business cards. The businessman's card gives them a name for a possible future contact.

At one technical exhibition, a Soviet official took motion pictures, including some of jet aircraft, guided missiles and an atomic cannon. The Soviets especially exploit social affairs connected with conventions, such as banquets, receptions, luncheons, cocktail hours. They mingle, shake hands and introduce themselves. These functions provide excellent opportunities to size up the businessman.

The Soviets capitalize on the friendliness and



gregariousness of Americans. Soviet officials are socially polished, well educated and speak good English. Some years ago it was easy to spot a Soviet official in a crowd—from his clothes and behavior. This is no longer true. They dress in American style and are thoroughly acquainted with our customs and etiquette. Above all, they are socially aggressive. They don't hesitate to stop a stranger and introduce themselves. Within a few minutes they have a conversation going.

Reds exploit freedoms

These Soviet activities are entirely legal. Under our form of government the Russians have every right to visit conventions, talk to Americans, use our mail. They buy patents by the thousands, subscribe to technical, scientific and other journals, belong to scientific societies, travel widely, make speeches. In typical communist fashion they are exploiting our freedoms to the limit—freedoms which they would immediately deny us if they seized control of this country.

A casual contact achieved at a convention, through the mail or by a chance acquaintance, however, is not enough. The next step is to develop it. How is that done?

Of course, many of the initial contacts remain just that. However, if the Soviets feel they can benefit, they will follow through. This may not come for several months. One day the businessman gets a telephone call:

"This is ——. Remember you met me at such and such a convention or affair."

Or the caller may say, "I'm ——, a friend of ——," referring to another Russian who had met the American.

The second contact may come in a matter of hours or days. The businessman may receive an invitation to a Soviet social function. He may receive presents (as at Christmas)—a bottle of vodka, a tin of caviar or some kind of trinket. The official often delivers these in person. Why in person? The gift is merely a technique to establish or renew a personal contact. Bringing it provides the opportunity for a person-to-person meeting and almost invariably creates a grateful feeling in the recipient.

Then there is the invitation to lunch. The Soviets have expense accounts and do not hesitate to pay the bill. Also they are happy to accept invitations to visit American

homes. There is no better way of creating a feeling of familiarity and trustworthiness.

Blackmail may result

The Soviets capitalize on the curiosity of Americans. One individual happened to be seated at a banquet table with a Russian official. Since this was the first Russian he had ever met, he asked a great number of questions—a natural reaction. By the time the dinner was over, mutual social invitations had been extended.

If the Soviets learn that a businessman has a hobby such as fishing, playing golf or traveling, they happen to have similar hobbies. Remember these people are well educated and well traveled and can talk with authority and persuasiveness in many fields. If an American was born or lived in Russia or an Iron Curtain country, the Soviets quickly try to turn these facts to their advantage.

What is this businessman? What's his background? To what information does he have access? Can he guide the Russians to other individuals in the scientific field? Does he have friends in the military services or the government? These are the questions the Russians are trying to answer. The businessman, of course, doesn't realize how closely he's being scrutinized by this affable, smiling, trusting Soviet. To the American, this is merely a social or business contact (the Russian may actually place some business orders) and, as good etiquette, he's trying to be as friendly as possible.

That's why the Russians ask the businessman many questions—some directly, some obliquely. Is the businessman in the Naval Reserve? Where has he previously worked? Does he ever enter classified areas in plants having defense contracts? Has he ever been in trouble? (The Russians want to know personal details of the American's life. Among other things they are alert for a possible weakness which can be exploited. Blackmail is not above their practices.)

In one conversation with a Russian, a business executive happened to mention the name of an employee in an aircraft plant. Immediately the Soviet wanted to know how to spell the name. He might be a new contact.

In the back of the Soviet mind—in all these contacts—is the possibility that highly secret, classified

material can be obtained. Public source intelligence is important. Tons of American documents, patents, maps, magazines, publications go to Moscow each year. But a basic concern of the Russian intelligence system is to steal America's classified military, technical, scientific and industrial secrets.

That's the purpose of the Russian spy apparatus. That's why these men have been so carefully trained. That's why the FBI's experience indicates that an extremely high percentage of Soviet officials in the United States have espionage assignments.

When espionage begins

Take, for example, a businessman who, after the initial contact, was invited to social functions and luncheon appointments. Almost a year had elapsed since the Russians originally obtained his name. Then the Soviet, at the luncheon table, went into more detail. He was preparing, he said, a report on economic conditions in the mechanical industry—and would be in a position to pay money for information. He wanted the data quickly.

Obviously the Russian felt he had played along with this businessman far enough so that he could ask for detailed information. Note that the request is still innocuous, nothing yet dealing with classified data.

In another instance, at a meeting with a businessman, the Soviet was more specific. He indicated that he was no longer interested in public material and specifically requested information about certain aircraft models, production rates and performance evaluations. The Russian was now entering the realm of espionage, violating the laws of the United States.

The Soviet interest also encompasses the businessman not engaged in scientific and technical fields. For example, in an eastern city a Soviet official frequented a certain bookstore. He soon made friends with the proprietor and later invited the businessman and his wife to dinner. But this was not to be money just wasted for entertainment. The Russian had an inquiry. Could he use the businessman's store as a place to receive mail? In espionage language this was a mail drop, and an important part of the spy apparatus.

Besides Soviet espionage, the businessman is also the target of the Communist Party, USA. The Party denounces the businessman as an enemy, yet it does everything it can

to influence his opinion. The party, for example, urges businessmen to take a favorable view of the Soviet Union, to trade with communist nations, to realize that communism is the wave of the future. This is part of the party's propaganda campaign.

Also you may have received in the mail unsolicited copies of party pamphlets, literature and newspapers. Sometimes you may receive—again unsolicited—letters from organizations you never heard of—but, if you took the time to investigate, you would learn they are communist fronts. They are sending you propaganda and urging, this never fails, a financial contribution. The party likes nothing better than to have a businessman, not realizing the identity of the organization, contribute to a front, sign one of its petitions or publicly support a communist-sponsored campaign.

Where does the party obtain your name? Perhaps from the newspaper, mailing lists, telephone directory. This is part of its unending effort of pressing forward its position, hoping to benefit its cause.

The party is also interested in infiltrating and controlling labor unions. This has been major communist policy since Lenin. Labor unions have done a magnificent job in ridding themselves of communist influence, but party pressure continues. If possible, the party would like to infiltrate business firms and has been known to operate businesses as covers. Members of the party who are businessmen

—and there are some—lend their facilities to communist use, if the party desires. Financial angels in business ranks are highly esteemed by party leaders.

Businessmen, of course, are not the only targets of Russian espionage and the Communist Party, USA—so are government employees, labor officials, scientists, skilled technicians, farmers. Businessmen do represent a priority target—and because you rate such an important target you, as a businessman, can do much to help the FBI defeat this communist effort to weaken our nation.

What can you do?

1. Know more about communism, its strategy and tactics and how the communists are working to destroy our democratic principles. If you are an employer, encourage your employees to take the time to learn about the evil of this way of life. The distribution of reading material within your company is most desirable.

2. Be familiar with basic communist newspapers, magazines and periodicals. If they arrive in your plant, you and your staff will be able to recognize them. Perhaps you can help your employees identify them.

3. Know how communist fronts operate. Take the time to be informed about how fronts are formed, how they propagandize, issue literature and collect money.

4. Realize that business enterprises

and labor unions are prime targets. The communists detest both business and labor unions. They regard both as part of the hated bourgeois society. Many people feel that because they are anticommunists the communists are not interested in them. This is wrong. The communists are constantly trying to influence the thinking of noncommunists.

5. Businessmen who are employers should be extremely conscious of plant security, realizing that the communists (especially Russian espionage agents) try to find weak points—both in personnel and physical facilities. Effective plant security is a vital and continuing responsibility.

6. Report to the FBI any information pertaining to espionage, sabotage and subversive activities. The FBI is the government agency charged with protecting the internal security of the nation.

You as a businessman, stand today in a key position to help the FBI and protect our nation from the Russian espionage agent and the communist. Perhaps you may feel the information you possess is inconsequential. Resolve your doubts by reporting it immediately to the FBI. Many times a small piece of information, when placed with data already in our possession, may solve an important case.

We can defeat the communists by working together as a team. That is our challenge.

UNITED STATES GOVERNMENT

Memorandum

~~SECRET~~
~~SECRET~~

This document consists of 3 pages
No. 4 of 350 Copies. Series A

DP32FR89A0657

DATE July 19, 1963

TO : Those Listed Below

FROM : C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: CLASSIFICATION BULLETIN NO. 67 (U)

C:CFK

Classification
of Item

1. Reference is made to Classification Bulletin 58 dated November 30, 1961, item 4. In accordance with provision 4(a)(3) of Immediate Action Directive 3400-1 of May 27, 1963, notices that a document issued as unclassified or declassified Restricted Data or Formerly Restricted Data or that a document has been erroneously declassified are hereby placed in Group 3.
2. The Committee of Senior Reviewers collectively or individually advises and makes recommendations for the formulation, modification and interpretation of the rules and guides for the classification and declassification of scientific and technical information. On occasion, the members may be requested by the Director, Division of Classification to review and make recommendations regarding specific items submitted for declassification. Documents being submitted for declassification should not be forwarded to any member of the Committee of Senior Reviewers by other than Division of Classification, Headquarters personnel. The procedure for such review is given in AEC Appendix 3401, part III B.3. This item should be brought to the attention of all AEC and AEC contractor personnel.

U

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Addressees:

Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

GROUP 1
Excluded from automatic
downgrading and
declassification.

~~SECRET~~

~~SECRET~~

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~~CONFIDENTIAL~~

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as defined in the Atomic Energy Act of
1954. Its transmittal or disclosure subject to
Administrative and Criminal Sanctions.

20070001481

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DETERMINATION (CIRCLE NUMBER(S))	2. CLASSIFICATION CHANGED TO: SP4
3. CONTAINS NO DOE CLASSIFIED INFO	4. COORDINATE WITH: Mike K...
5. CLASSIFICATION CANCELLED	6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):	
DATE: APR 28, 2008	

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DETERMINATION (CIRCLE NUMBER(S))	2. CLASSIFICATION CHANGED TO: CONFIDENTIAL
3. CONTAINS NO DOE CLASSIFIED INFO	4. COORDINATE WITH: Mike K...
5. CLASSIFICATION CANCELLED	6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):	
DATE: APR 28, 2008	

3. The mere fact that we are conducting multiple detonations at the Nevada Test Site is classified Secret-Formerly Restricted Data. It is most important that this fact be concealed to the maximum extent practicable. Terms such as "simultaneous, double, pair, multiple, twin", etc., should be avoided in any unclassified discussions. S-FRD
4. OC Doc-62 "Classification Guide for Storage and Transfer Systems in Research and Development" dated April 16, 1958 has been cancelled. DOE
b(3)
5. The mere fact that graphite is used either as a fuel matrix or as structural material in the KIWI-B series of reactors, PHOEBUS reactors and NERVA reactors is unclassified.
6. The mere fact of use of Pu-238 as a fuel in the milliwatt isotopic power source for possible use in the Prescribed Action Link Program (PAL) is unclassified. Classification guidance for SNAP-15 and SNAP-15A reflecting this action has been issued to cognizant operations offices and will be incorporated in CG-RIP-1 at a later date. U
7. The yield (500 \pm 20 T) and depth of burst (2 feet) of the JOHNNIE BOY event have been declassified. The fact that the test was held on July 11, 1962 at 1245:00.092 EDT at a depth of 2 feet in alluvium at the Nevada Test Site is unclassified. U
8. The mere fact that the gram quantities of elements 95 through 98 (americium, curium, berkelium and californium) may be produced in the Coach event is unclassified. U
9. The mere fact that rare earths (specifically identified by name) are or may be used in the construction of targets for neutron generator tubes is unclassified. DOE
B(2)
10. The following classification guides have been approved for use on the dates indicated.
 - a. CG-TS-1 "GUIDE TO THE USE OF THE CLASSIFICATION TOP SECRET" - February 1963.

~~SECRET~~

- 3 -

b. CG-FM-1 "CLASSIFICATION GUIDE FOR THE FEED MATERIALS PROGRAM" - April 1963.

c. CG-RTC-1 "CLASSIFICATION GUIDE FOR THERMIONIC CONVERTER REACTORS" - March 15, 1963.

d. CG-UF-1, "GUIDE TO THE UNCLASSIFIED FIELDS OF RESEARCH" - March 15, 1963.

Copies of these guides have been distributed by the Division of Classification to all cognizant AEC and contractor personnel.

11. The Polaris missile with a Mark-58 warhead has reached the stage of flight testing with final configuration. [REDACTED]

DOE
B(2)

~~SECRET~~

UNITED STATES GOVERNMENT

Memorandum

This document consists of 5 pages
No. 4 of 355 Copies, Series A

DP32AR890656

D00007580

TO : Those Listed Below

DATE: December 20, 1963

FROM : C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: CLASSIFICATION BULLETIN NO. 68

C:CFK

Classification
of Item

1. Experiences over the last several months have indicated a growing divergence in the classification of information falling under classification guide ~~1-2~~ so written as to allow a spectrum of interpretations. It is suggested that the authority of authorized classifiers be defined so as to severely limit the use of such indeterminate topics. Authorized classifiers may, however, be specifically designated to use such indeterminate topics when the subject matter of the topic falls within his particular field of proficiency.
2. The following information has been declassified:
 - a. The fact that we have deployed thousands of tactical nuclear weapons in Europe;
 - b. The fact that the total kiloton yield of these weapons is well in excess of ten

U

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

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GROUP 1

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and declassification

CLASSIFICATION REVIEW	
DATE: 10-29-07	REVIEWER: [Signature]
1. CLASSIFICATION RETAINED	
2. CLASSIFICATION CHANGED TO:	
3. OTHER IS NO USE CLASSIFIED INFO	
4. COORDINATE WITH:	
5. CLASSIFICATION CANCELED	
6. CLASSIFIED INFO BRACKETED	
7. OTHER (SPECIFY):	

20070001481

December 20, 1963

thousand times the total yield of nuclear weapons used at the end of World War II.

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This information was incorporated in a speech given by Secretary of Defense, MacNamara in New York on November 18, 1963. The full context of the speech has been printed in the Congressional Record of November 19, 1963, Volume 109, Number 187, pages 21211-21214.

3.

DOE
B(2)

DOE
B(2)

S-DI

4. The Commission has declassified statements made by Dr. John Foster, Jr., Director, UCLRL, Livermore at the recent Congressional hearings on the Nuclear Test Ban Treaty which indicate that based on the Soviets greater experience as evidenced by the comparative number of events held by the U.S. and the U.S.S.R. in that yield range, the Soviets are ahead of the U.S. in the range of 1 to 100 megatons. The context in which the declassified statements will be published is:

Dr. Foster: "... Well, those are the numbers, and it is from this chart, as well as the fact that the United States does not have the experience (deleted) that the Soviets have generated in their experiments that leads me to believe that the Soviets have technological superiority in the range from a megaton up to 100 megatons or 60 megatons. I don't know of any evidence against it."

Those Listed Below

- 3 -

December 20, 1963

Dr. Foster: "Let me summarize briefly, then, what this means technologically. It means that the Soviet Union has had more experience in the high yield thermonuclear warheads than has the United States.

(Deleted)

"In the lower yields, based on the numbers of tests, in the range from a megaton (deleted) down (deleted) the data is reasonably good, and in my personal opinion the United States has a technological lead. "Below a few tens of kilotons, the situation is such that the data does not provide you with sufficient information to make any definitive statement."

Senator Stennis: "Excuse me. This is repetition, but just what was the area in which we now lead?"

Dr. Foster: "I would say in the area (deleted) kilotons to (deleted) kilotons the United States has had more experience, has concentrated and has technological superiority. (Deleted) it is an area that is important (deleted)."

5.

DOE
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B(2)

6. The Introduction to CG-UF-1, "Guide to the Unclassified Fields of Research" sets forth a basic policy as follows: "The policy of the Atomic Energy Commission is to conduct as much as possible of its research and development work on an unclassified basis so

December 20, 1963

as to promote the free interchange of ideas which is essential to scientific and industrial progress while, subject at all times to the paramount objective of making the maximum contribution to the common defense and security." Under this policy, the basis criterion for determining that a Category I research program may be authorized is that there is essentially zero probability of generating Restricted Data in such a program. It is recognized that AEC laboratories work on unclassified projects which are primarily oriented towards work on classified projects. It is essential, therefore, that when a proposal is submitted to the Division of Classification for authorization to do work on an unclassified Category I basis, the scope and objectives of the program should be clearly defined so that it can be shown there is essentially zero probability of generating Restricted Data and that no classified background information is likely to be introduced in the project.

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7. The following information on the Rover program has been declassified:

Nominal performance values for the Rover program, i.e.

Nominal power of 1,000 megawatts

Specific impulse greater than 700 secs.

Nominal thrust of 50,000 lbs.

Fact that vibrations took place and the cause of these vibrations in the Kiwi-B tests

U

8. The following classification guidance for coated particle work has been approved:

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~~SECRET~~

~~SECRET~~

Those Listed Below

- 5 -

December 20, 1963

- a. Mere fact that pyrolytic carbon coated uranium carbide particles are used in the Rover program CRD 1
- b. Mere fact that coated particles are or may be used in Pluto reactor fuel elements CRD 1
- c. Evaluation studies of coated particles (e.g. uranium migration studies)
At 1800°C and over regardless of the type of coated particle CRD 1
- d. All work on metal carbide additions (other than fissionable or fertile material) to the fuel kernel or the coating CRD 1
- e. Oxygen and nitrogen content of pyro-carbon coated UC₂ U

With respect to the Rover program, the application of information obtained from these studies is expected to lead to the development of improved fuel elements which can withstand the severe operating conditions of Rover reactors. Such information is vital to the success of the Rover program and is considered to be one of the most difficult items of technology to obtain. Work on metal carbide additions is classified as the results may lead to the solution of a key problem in the Rover program.

C-RD

~~SECRET~~

UNITED STATES GOVERNMENT

Memorandum

This document consists of 4 pages,
No. 4 of 355 Copies, Series A.

DP32FA890LD655

D00009584

TO : Those Listed Below

DATE: February 10, 1964

FROM : C. L. Marshall, Director
Division of Classification, HQ

SUBJECT: CLASSIFICATION BULLETIN NO. 69

C:CFK

Classification
of Item

1. Mr. Leonard M. Brenner, formerly Special Assistant to the Director, Division of Military Application and principal AEC representative to the Joint Atomic Information Exchange Group has been appointed Deputy Director, Division of Classification, effective January 2, 1964. Mr. Wilbur A. Strauser, formerly Deputy Director of the Division, has been appointed Assistant Director for Safeguards, Division of International Affairs, Headquarters.
2. The "Initiator Classification Guide" CG-WI-2, dated December 1963 has been approved for use. This Guide supersedes CG-WI-1, dated January 10, 1961.
3. The yield of the BILBY event in the NIBLICK series at the Nevada Test Site, "about 200 KT" has been declassified. The event was held September 13, 1963.
- 4.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1. CLASSIFIED BY: [redacted]
2. CLASSIFICATION CHANGED TO: [redacted]
3. COORDINATE WITH: [redacted]
4. CLASSIFICATION CANCELED: [redacted]
5. CLASSIFIED INFO REMOVED: [redacted]
6. OTHER SPECIAL INSTRUCTIONS: [redacted]

DATE REVIEWED: 4/12/68	DATE REVIEWED: 4/12/68
REVIEWED BY: [redacted]	REVIEWED BY: [redacted]
1. CLASSIFICATION REVIEWED	1. CLASSIFICATION REVIEWED
2. CONTAINS NO NOT CLASSIFIED INFO	2. CONTAINS NO NOT CLASSIFIED INFO
3. CLASSIFICATION CANCELED	3. CLASSIFICATION CANCELED
4. COORDINATE WITH: [redacted]	4. COORDINATE WITH: [redacted]
5. CLASSIFIED INFO REMOVED	5. CLASSIFIED INFO REMOVED
6. OTHER SPECIAL INSTRUCTIONS: [redacted]	6. OTHER SPECIAL INSTRUCTIONS: [redacted]

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

GROUP 1

Excluded from automatic downgrading and declassification.



SECRET

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Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

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20070001481

5. The following statement has been declassified:

"This country and the Soviet Union already have produced enough explosive force to equal ten tons of TNT for every man, woman, and child on the face of this earth."

Based on a current census of world population figures, i.e., about 3 billion, this statement brackets the U.S.-Soviet stockpile at 30,000 MT.

In addition, in a prepared statement for the Nuclear Test Ban Treaty Hearings on August 13, 1963, Secretary McNamara stated ". . . we maintain a total number of nuclear warheads, tactical as well as strategic, in the tens of thousands."

The unclassified statements quoted above are the only unclassified statements on stockpile numbers approved for use. Statements on stockpile numbers, other than as quoted above, are classified in accordance with the Commission's classification policy as stated in CG-W-1.

U

6. The Commission has declassified (1) the composition and properties of phase-stabilized alloys containing more than 90 atomic per cent plutonium and (2) the isotopic composition of plutonium as it now is produced in the United States' Hanford and Savannah River Plants. To implement these declassification actions, topic 100-305 and the reference to it in topic 1-301 of the "Classification Policy Guide", CG-C-1 have been deleted. The "Joint US/UK Nuclear Weapons Classification Guide", CG-W-1 has been revised as follows:

S-RD

Topic 1.0591 has been revised to read:

1.0591 Chemical composition and properties
of phase-stabilized alloys used in
weapons

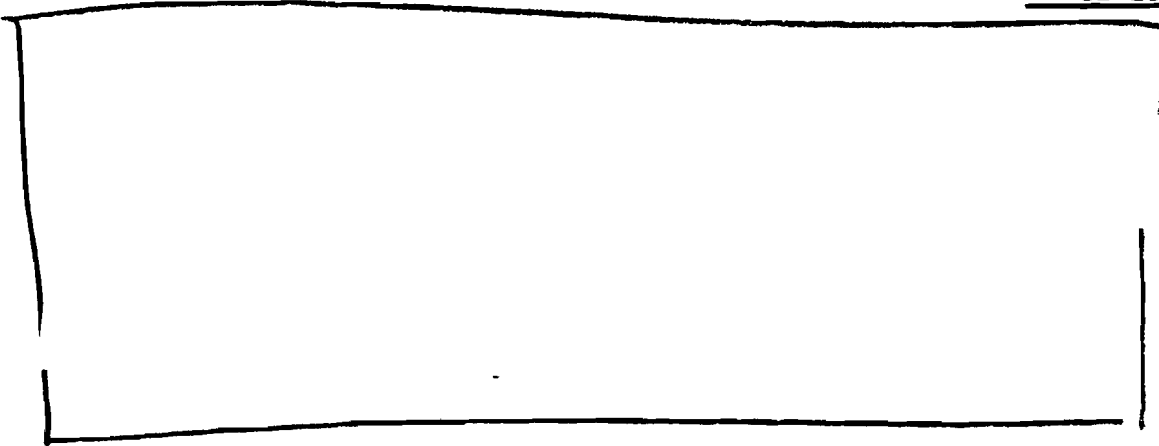
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~~CONFIDENTIAL~~

~~SECRET~~

-3-

Classification
of Item



Doc
b(3)

A new topic 1.0593 has been added as follows:

1.0593 Otherwise, isotopic composition
of plutonium

U

Topic 1.0593 has been renumbered 1.0594.

7. In reference to item 8 of Classification Bulletin No. 68, the following additional classification guidance for coated particle work has been approved:

C-RD

All work on uranium or carbon migration as it relates to the presence or absence of a primary or proeutectic graphite shell

C-RD-1

This guidance is based on the fact that the presence or absence of a primary or proeutectic graphite shell plays a significant part with respect to uranium migration in coated fuel particle work which is of prime interest to the Rover program. Specifically, it has been determined on a quantitative basis that uranium migration can be inhibited by the presence of this shell. Further, it has been noted that the shell is not found on all coated particles but rather is a result of process variables associated with the particles production.

8. It has been determined that the external appearance and dimensions of the Ballistic Universal Test Vehicle (68 inches in diameter and 276 inches long) are unclassified.

U

~~SECRET~~

~~CONFIDENTIAL~~

Classification
of Item

9. The following classification guidance concerning heat pipes has been approved for use: C-RD
1. Association of heat pipes with plasma thermocouple, thermionic converter reactor, or other classified applications C-RD-1
2. Heat pipe design and design requirements for plasma thermocouple, thermionic converter reactor or other classified applications C-RD-1
3. Basic physics of the heat pipe U
4. Embodiments of the heat pipe provided information classified by topics 1 and 2 is not revealed U
10. The following information concerning the STAR-R System has been declassified: U

"STAR-R is a compact, radiation cooled, nuclear thermionic generating system for use in space. It uses an annular reactor core with radially mounted planar thermionic converters. STAR-R offers the following features:

Power Range from 10-100 KWE

Good Power/Weight Ratio

Mechanically Static

Simple Operation

High Reliability

Long Operating Life

Minimum Logistic Support

Freedom from Vibration and Annular Moment Variation

Independent of Solar Illumination

Independent of "G" Field".

UNITED STATES GOVERNMENT

~~CONFIDENTIAL~~

Memorandum

TO : Those Listed Below

DATE: July 27, 1965

FROM : C. L. Marshall, Director *d. Marshall*
Division of Classification, USAEC HQ

SUBJECT: CLASSIFICATION BULLETIN NO. 76

C:CFK

ITEM

CLASSIFICATION

1. The Commission has recently reviewed the classification policy relating to the use of the following materials that are used in weapons and approved, with DCD concurrence, the following declassification actions:

(1) Fact of use in specified or unspecified weapons of normal uranium or depleted uranium of any assay	U	Provided no relationship is indicated between the assay used and the production process
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(2) Mere fact that Pu-239 alone was used in the Trinity, Nagasaki, and Crossroads weapons	U
---	---

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DATE REVIEWED: 11-01-87	2. DETERMINATION (CIRCLE NUMBER):
3. AUTHORITY: <input type="checkbox"/> DC, <input type="checkbox"/> DCD	1. CLASSIFICATION RETAINED
4. DATE: 11/16/87	2. CLASSIFICATION CHANGED TO:
5. BY: Betty H. Hagan	3. CONTAINS NO FOR CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFIED INFO BRACKETED
	6. OTHER (SPECIFY):

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

GROUP 1

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~~Excluded from automatic downgrading and declassification~~

~~CONFIDENTIAL~~



~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

Those Listed Below

- 2 -

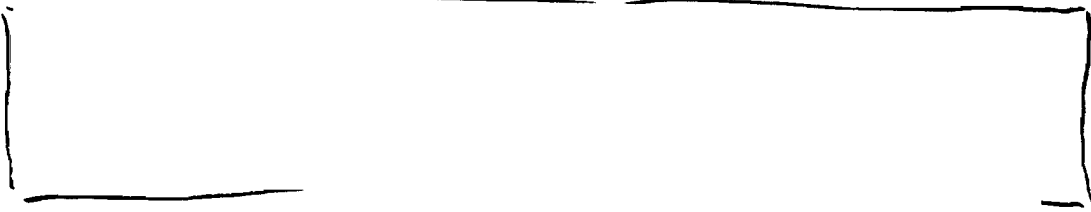
July 27, 1965

ITEM

CLASSIFICATION

(3) Assay of top
product of Li-6
production plant
or the fact that
this top assay
is used in weapons

U



DOE
b(3)

(5) Fact that Po-210
is used (viz, in
alpha-n initiators)

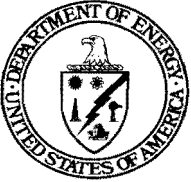
U

C-80

A notice changing the appropriate topics of CG-W-1 is being issued.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~



Department of Energy

Washington, DC 20585

January 27, 2009

Re: FOIA 2007-000600

This is a final response to your May 2, 2007, request to the Department of Energy (DOE) under the Freedom of Information Act (FOIA). Your request was received at the DOE on May 10, 2007, and assigned case number F2007-000600.

You requested copies of the Atomic Energy Commission's *Monthly Classification Bulletin*, Numbers 1 – 77, (1956 – 1966) inclusive.

The Office of Classification, within the Office of Health, Safety and Security, searched its files and found a total of 80 documents responsive to the request. Fifty eight of the documents were determined to be unclassified and were provided to you in their entirety in earlier responses. Nineteen documents were provided with exempt information redacted.

Pursuant to Title 10, Code of Federal Regulations (C.F.R.), section 1004.6 (10 C.F.R.1004.6), the DOE has completed its review of the remaining three documents responsive to your request. Two documents are being provided in their entirety. One document is being provided with exempt information redacted. Please find enclosed a copy of the documents with all exempt information redacted. The proper FOIA exemption is cited where information has been redacted.

The following documents are being provided in their entirety:

Monthly Classification Bulletin, No. 2, December 7, 1956.

Monthly Classification Bulletin, No. 27, January 23, 1959.

The following document is being provided with exempt information redacted:

Monthly Classification Bulletin, No. 42, April 20, 1960.

This document required review from the Department of Defense (DOD). The DOD has completed its review, and determined that certain information is exempt from disclosure pursuant to exemptions (b)(1) and (b)(3) of the FOIA.



Title 5, United States Code, section 552(b)(1) (5 U.S.C. 552(b)(1)) (exemption 1) provides that an agency may exempt from disclosure matters that are “(A) specifically authorized under criteria established by an Executive Order to be kept secret in the interest of national defense or foreign policy and (B) are in fact properly classified pursuant to such Executive Order. . . .” The portion deleted from the subject document pursuant to exemption 1 contains information about military plans, weapons systems, or operations, intelligence activities and scientific, technological or economic matters relating to the national security and is classified under section 1.4(a), 1.4(c) and 1.4(e) of Executive Order 12958, as amended. It has been determined that the release of the information could reasonably be expected to cause damage to the national security.

Title 5, United States Code, section 552(b)(3) (5 U.S.C. 552(b)(3)) (exemption 3), exempts from disclosure information “specifically exempted from disclosure by statute (other than section 552(b) of this title, provided that such a statute (A) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue, or (B) establishes particular criteria for withholding or refers to particular types of matters to be withheld...”. The Atomic Energy Act (AEA) of 1954, as amended, 42 U.S.C. 2011 et seq., is an exemption 3 statute. Sections 141-146 of this Act (42 U.S.C. 2168(a)(1)(C)) prohibit the disclosure of information concerning atomic energy defense programs that is classified as Formerly Restricted Data (FRD) pursuant to the AEA. The portion deleted from the subject document pursuant to exemption 3 contains information that has been classified as FRD. Disclosure of this information could jeopardize the common defense and security of the nation.

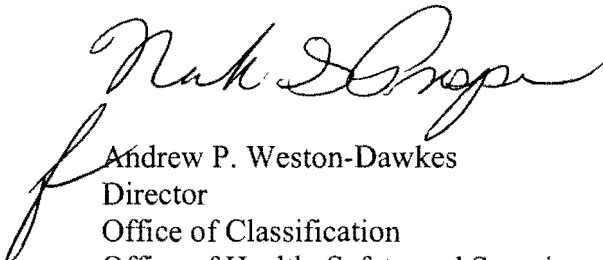
Mr. Danny S. Wilmoth of the Department of Defense is the official responsible for the denial of the deleted information. All DOE information is being released in its entirety.

Pursuant to 10 C.F.R. 1004.8, the denial of a FOIA request may be appealed, in writing within 30 days after receipt of a letter denying any portion of a request, to the Director, Office of Hearings and Appeals, Department of Energy, 1000 Independence Avenue, S.W., Washington, DC 20585. The written appeal, including envelope, must clearly indicate that a Freedom of Information appeal is being made. The appeal must contain all other elements required by 10 C.F.R. 1004.8. Judicial review will be available to you in the District of Columbia or in the district where: (1) you reside, (2) you have your principal place of business, or (3) the Department’s records are situated.

The above referenced number has been assigned to the request and you should refer to it in any correspondence with the DOE about this matter.

Should you have any questions concerning this request please contact Mr. Fletcher Whitworth, of my staff, at (301) 903-3865.

Sincerely,



Andrew P. Weston-Dawkes
Director
Office of Classification
Office of Health, Safety and Security

Enclosures

cc: J. Ogbazghi, ME-74 (without enclosures)
R. Johnston, HS-1.23 (without enclosures)

~~SECRET~~

M. L. Nash

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: DEC 7 1956

FROM : C. L. Marshall, Director
Division of Classification, Washington, D. C.This document consists of 1
No. 12 of 25 Copies, Series 7
DP-32 F289 DE3513

SUBJECT: MONTHLY CLASSIFICATION BULLETIN, NO. 2

E1

SYMBOL: C:CFK

The following items are being presented to assist you in your local classification problems:

1. The procurement of Uranium-Niobium alloys for the ANP program is classified Confidential - Restricted Data, unless it is stated or implied that the material is to be used for ANP fuel elements in which case, the classification is Secret - Restricted Data. Procurement of niobium by the AEC for the Westinghouse program is unclassified, as is procurement of niobium by Chicago Operations Office with the above stated limitations.
2. All information on Project Sunshine can be declassified as long as the individuals or organizations involved in the collection program are not identified by name. The fact that the Department of State has been involved in the collection of fallout samples in foreign countries is also not to be revealed.
3. The Commission on November 13 approved the recommendation of staff paper AEC 720/42 declassifying the charges for enriched uranium of various degrees of enrichment; the fuel value of \$12.00 per gram for plutonium metal; and the fuel value of \$16.00 per gram for uranium 233 metal. The relationship between the declassified schedule of charges and actual costs will continue to be classified. It should be noted that the Commission did NOT declassify the "Confidential Price Schedule". Only those prices and charges, specifically declassified by AEC 720/42, can be quoted in unclassified papers.

~~RESTRICTED DATA~~

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

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DATE: 12-21-67	DETERMINATION (CIRCLE NUMBER)
CLASSIFICATION: TOP SECRET	1. CLASSIFICATION RETAINED
REASON: 1.1	2. CLASSIFICATION CHANGED TO: A/E
DATE: 11/1/67	3. CONTAINING RESTRICTED DATA
AUTHORITY: 1.1	4. OTHER (SPECIFY)

~~SECRET~~

1481

~~CONFIDENTIAL~~
~~SECRET~~

D00009550

Office Memorandum • UNITED STATES GOVERNMENT

TO : Classification Committee Chairmen

DATE: JAN 23 1959

FROM : C. L. Marshall, Director
Division of Classification, HeadquartersThis document consists of 4 pgs.
No. 22 of 120 copies, Series A.

DP32 FR8900670

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 27

SYMBOL: C:CFK

- The objective of the SNAP III (Systems for Nuclear Auxiliary Power) Program is to develop small, low power (2 - 5 watts) "proof of principle" models of auxiliary power units to demonstrate the most promising concepts for direct conversion of radioisotopic heat to electricity. The work is being carried out with the Glen L. Martin Company under their SNAP program. Work in this program has been approved as unclassified fields of research for the following subcontractors:

Westinghouse Electric Company - Thermoelectric concept.
Minnesota Mining and Manufacturing Company - Thermoelectric concept.
Thermo Electronic Engineering Corporation - Thermoionic (diode) concept.
United Electronics - Thermoionic (diode) concept.

The above authorizations were made with the understanding that the research projects are limited to demonstration units per se and do not include modifications or information on the adaptation of such units to fill a specific Department of Defense requirement. Specific problems on the classification of information relating to auxiliary power unit systems designed for classified applications should be referred to the Division of Classification, Headquarters.

- It has been determined that all Supercritical Water Reactor technology developed for the ANP program, except that involving data on the use of stainless steel fuel elements with liquid metals at temperatures above 1200° F., is declassifiable. The latter work is being considered for the Princess Naval Aircraft program (See Item 1 of Classification Bulletin No. 24).

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~~CONFIDENTIAL/RD~~

~~SECRET~~

Classification Committee Chairmen

-2-

JAN 23 1959

3. The 43rd Meeting of the Committee of Senior Reviewers was held at Los Alamos, New Mexico, December 15 - 19. The meeting was devoted to the review and discussion of a revised AEC-DOD Classification Guide which in the current draft is entitled "U. S. - U. K. Weapons Classification Guide".
4. With respect to the classification of relocation sites, the Office of Defense Mobilization has advised as follows:

"While an agency may decide not to classify its regional relocation sites, it is the desire of ODM to have disclosure as to the existence of and location of sites limited to those who have a need to know. It is suggested that a term other than 'relocation site' be adopted for regional use such as 'sub' or 'branch' office.

"Any list containing a significant portion of the Regional location sites shall be classified at least Confidential and the total Regional location plan classified as Secret.

"RDMC sites do not require classification except where the space is shared with a 'branch' or 'sub-office' the location of which has been classified by a member agency. The same precautions that apply to agency sites should be observed. Responsibility for granting access to the RDMC sites and the establishment of adequate physical security measures rests with the Regional Defense Mobilization Coordinators."

5. It has been determined that report APEX-382, entitled "U. S. Reactor Operating History 1943 - 1956" by J. Moteff, published as an unclassified document, contains information which is classified Secret Restricted Data. Specifically, the classified information is the number of reactor operating hours of production reactors. The report was not reviewed by the Division of Classification prior to publication. The author of the report indicates that in compiling the section dealing with production facilities, liberal use was made of data from an October 1955 Nucleonics article entitled "U. S. Reactor Operating History 1943 - 1954" by Richard H. Graham. The published article was not reviewed prior to publication. It, too, contains information which is classified Secret Restricted Data. The unclassified publication of APEX-382 and the Nucleonics

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~~SECRET~~ ~~CONFIDENTIAL/RD~~

Classification Committee Chairmen -3-

JAN 23 1959

article have been reported as security violations. It should not be assumed that because of the publication of the Nucleonics article, and the wide distribution of APEX-382, that operating data of the kind discussed has been declassified. It is suggested that appropriate AEC and contractor personnel be advised that data on reactor operating hours of AEC production reactors are classified and that the subject documents do not provide authority for unclassified release of such information. In addition, no unclassified statements should be made which will confirm or deny the accuracy of the data in the Nucleonics article or the APEX report.

7. It has been brought to our attention that U. S. scientists who publish unclassified travelogue-type articles describing visits to Soviet bloc facilities and scientists have included information which has created problems for their former hosts in the bloc. The indiscriminate publication of comments made in private by bloc personnel which reveal bloc classified information, criticism of bloc regimes, or friendliness to the West jeopardize the safety and careers of the bloc informants. This makes it more difficult to arrange any further visits to the bloc and alienates any friends we may have among scientists there.

C-DI

On several occasions at the recent Geneva Conference, Satellite scientists made it a point to comment adversely on the practice of U. S. scientists to publish travelogue-type articles upon their return to the United States after having visited Soviet or Satellite scientists. Frequently these articles give open information compromising the individual who passed it to the American in confidence--even in those cases in which names were deleted. It must be assumed that the Soviets will gain access to unclassified reports even though not published commercially. It must also be assumed that comments regarding the Soviet or satellite classified work can be traced to the source by the Soviet bloc security forces. It is requested, therefore, that all AEC and contractor personnel be advised that caution must be exercised in the preparation of visit reports to avoid compromising our friends behind the Iron Curtain and to avoid the impression that such trips are looked on here as information gathering rather than as assistance to the foreign nation, much less indicating that the collection of information has had any connection with U. S. Intelligence activities. It is suggested that, in the future, reports of this kind be classified as Confidential Defense Information if information of the types described above is included.

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~~CONFIDENTIAL/RD~~

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~~CONFIDENTIAL~~

JAN 23 1959

Classification Committee Chairmen -4-

8. Attached is an unclassified data sheet which has been released for public distribution, listing the dates, exact times, types and locations of shots in Phase I of Operation Hardtack.

U

Enclosure:
Data sheet Phase I, Operation Hardtack

Addressees:
W. H. Lawrence, ALO
Charles E. Teeter, Jr., COO
C. L. Robinson, HOO (15)
Alan T. Morphew, IDOO
L. R. Michener, OROO (30)
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Controller, FIN
Manager, ALOO
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" , IDOO
" , NYOO
" , OROO
" , PNROO
" , SAN
" , SROO
" , SOO
" , LAROO

~~SECRET~~

~~CONFIDENTIAL~~

HARDTACK SHOTS

<u>Shot Name</u>	<u>Geo. Coordinates</u>		<u>Type Shot</u>	<u>Eniwetok Local Time (1/100 sec.)</u>	
Fir	Lat 11°41'27" N	Long 165°16'25" E	Surface Barge	5/12/58	0550:00.15 W
Koa	" 11°40'30" N	" 162°12'20" E	Surface	5/13/58	0630:00.15 W
Yellowwood	" 11°39'37" N	" 162°13'31" E	Surface Barge	5/26/58	1400:00.13 J
Maple	" 11°41'14" N	" 165°24'54" E	Surface Barge	6/11/58	0530:00.14 W
Aspen	" 11°41'27" N	" 165°16'25" E	Surface Barge	6/15/58	0530:00.14 W
Walnut	" 11°39'37" N	" 162°13'31" E	Surface Barge	6/15/58	0630:00.14 J
Redwood	" 11°41'27" N	" 165°16'25" E	Surface Barge	6/28/58	0530:00.14 W
Elder	" 11°39'48" N	" 162°13'48" E	Surface Barge	6/28/58	0630:00.13 W
Oak	" 11°36'28" N	" 162°06'28" E	Surface LCU Hull	6/29/58	0730:00.15 J
Cedar	" 11°41'27" N	" 165°16'25" E	Surface Barge	7/3/58	0530:00.14 W
Dogwood	" 11°39'48" N	" 162°13'48" E	Surface LCU Hull	7/6/58	0630:00.24 J
Poplar	" 11°41'27" N	" 165°16'25" E	Surface Barge	7/12/58	1530:00.14 J
Pine	" 11°39'22" N	" 162°13'11" E	Surface LCU Hull	7/27/58	0830:00.23 W

NOTE: Date and time are local.

W - time from WWVH

J - time from JJY Japan, uncorrected for transit time

CONFIDENTIAL

SECRET

CONFIDENTIAL
SECRET

UNITED STATES GOVERNMENT

Memorandum

~~SECRET~~

000009560

This document consists of
pages, No. 306 of 332
copies, Series A.

DP32FR100665

DATE: April 20, 1960

①

TO : Those Listed Below

FROM : C. L. Marshall, Director
Division of Classification, Headquarters

SUBJECT: MONTHLY CLASSIFICATION BULLETIN NO. 42

SYMBOL: C:CFK

Classification
of Item

1. A problem has arisen with respect to requests for kilogram quantities of plutonium for unclassified work. Heretofore, only relatively small quantities of plutonium have been made available on an unclassified basis. The small quantities involved have made it impossible to deduce the source of origin of the material, i.e., whether or not it came from an AEC production reactor. However, if multi-kilogram quantities are made available, it becomes clear that the material was, in fact, produced in a Hanford or Savannah River production reactor.

S-ED

DOD
(b)(1)

Studies are now under way to determine whether or not such information may be derived from a sample of the material.

Since it is recognized that the classification problem could be extremely burdensome in those cases where large amounts of plutonium are required for otherwise unclassified programs, immediate efforts are being made to find a remedy. Special measures, such as the preparation of non-representative blends, are being sought to take care of current pressing needs.

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~~SECRET~~

FORMERLY RESTRICTED DATA

Unauthorized disclosure subject to Administrative and Criminal Sanctions. Handle as Restricted Data in Foreign Dissemination Section 144.b, Atomic Energy Act 1954. 07600 1481

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DATE OF REVIEW	2. DETERMINATION (CIRCLE NUMBER)
3. ACTION REQUIRED	4. COMMENTS
5. DATE OF REVIEW	6. DATE OF REVIEW
7. DATE OF REVIEW	8. DATE OF REVIEW
9. DATE OF REVIEW	10. DATE OF REVIEW
11. DATE OF REVIEW	12. DATE OF REVIEW
13. DATE OF REVIEW	14. DATE OF REVIEW
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97. DATE OF REVIEW	98. DATE OF REVIEW
99. DATE OF REVIEW	100. DATE OF REVIEW

~~TOP SECRET~~
~~RESTRICTED~~

Those Listed Below

- 2 -

April 20, 1960

As an interim measure, while the classification problem is being resolved, AEC and contractor personnel should be advised that any quantity of plutonium over 2 kgs (in one batch) from production reactors, regardless of the intended use of the material, is classified.

2. When the Commission approved the declassification of depleted uranium which could be made available for commercial use, it specified that material assaying greater than 0.22 ± 0.02 weight percent Uranium-235 could be furnished as unclassified only when higher assays are specifically requested by the user. The point to be emphasized is that those requesting depleted uranium should be supplied with material assaying 0.22 ± 0.02 weight percent Uranium-235 unless a specific assay greater than 0.22 ± 0.02 weight percent is requested. (The exception to the rule is that material assaying 0.40 ± 0.02 weight percent Uranium-235, is unclassified.) U
3. The NASA Plum Brook Reactor Facility has been added to the list of non-AEC reactors in the unclassified fields of research. U
4. Item 2 of Bulletin No. 15, January 27, 1958, as found in the "Compilation of Bulletins 1 through No. 31", should be marked S-RD. U
5. Although information on the design and operating principles of both the Astron and high-current accelerators is unclassified, the fact that the Lawrence Radiation Laboratory is studying the feasibility of S-DI (FRD)

DDO

(b)(3)

Secret - Defense Information (Formerly Restricted Data).

Addressees:
Classification Officers
Headquarters Division Directors
Operations Office Managers
Senior Reviewers
Coordinating Organization Directors
Responsible Reviewers

~~TOP SECRET~~
~~RESTRICTED~~