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Description of document: Department of Energy (DOE) Security Assessment of the Progressive Case (The Grayson Report), 1982

Requested date: 2022

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Posted date: 26-February-2024

Source of document: FOIA Request
FOIA Request Service Center
1000 Independence Avenue, SW
Mail Stop MA-46
Washington, DC 20585
Fax: (202) 586-0575
Email: FOIA-Central@hq.doe.gov
[DOE Electronic FOIA Request Form](#)

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Department of Energy

Washington, DC 20585

January 9, 2023

Via email

Re: HQ-2022-00340-F

This is the final response to the request for information that you sent to the U.S. Department of Energy (DOE) under the Freedom of Information Act (FOIA), 5 U.S.C. § 552. You requested the following:

A copy of the 1982 report prepared by William C. Grayson, Jr. of R&D Associates, Arlington, Virginia, and commissioned by the Department of Energy, entitled "Possible Violations of ... the Atomic Energy Act in Connection with the 'Progressive' Case"

Your request was assigned to DOE's Office of Environment, Health, Safety & Security (AU), to conduct a search of its files for responsive records. AU started its search on March 28, 2022, which is the cut-off date for responsive records. AU completed its search and identified one (1) document responsive to your request. The document is being released to you as described in the accompanying index.

Upon review, DOE has determined that certain information contained within the documents should be withheld pursuant to Exemptions 3 of the FOIA, 5 U.S.C. § 552 (b)(3).

Exemption 3 protects from disclosure information "specifically exempted from disclosure by statute (other than section 552(b) of this title), if that statute (A)(i) requires that the matters be withheld from the public in such a manner as to leave no discretion on the issue; or (ii) establishes particular criteria for withholding or refers to particular types of matters to be withheld[.]" 5 U.S.C. § 552(b)(3). The Atomic Energy Act of 1954 (AEA), 42 U.S.C. § 2011, is one such statute that falls within the coverage of Exemption 3. Sections 141-146 of this Act (42 U.S.C. 2161-2166) and/or section 148 of this Act (42 U.S.C. 2168) prohibits the disclosure of information concerning atomic energy defense programs that is classified as either Restricted Data (RD) or Formerly Restricted Data and/or determined to be Unclassified Controlled Nuclear Information (UNCI) pursuant to the AEA, as amended.

The portions deleted from the subject document pursuant to Exemption 3 contain information about weapon design that has been that has been classified as RD. Disclosure of the exempt data could jeopardize the common defense and the security of the nation.



This satisfies the standard set forth at 5 U.S.C. § 552(a)(8)(A) that agencies shall withhold information under FOIA “only if (I) the agency reasonably foresees that disclosure would harm an interest protected by an exemption...; or (II) disclosure is prohibited by law...” 5 U.S.C. § 552(a)(8)(A) also provides that whenever full disclosure of a record is not possible, agencies shall “consider whether partial disclosure of information is possible...and (II) take reasonable steps necessary to segregate and release nonexempt information.” Therefore, we have determined that, in certain instances, a partial disclosure is proper.

Pursuant to 10 C.F.R. 1004.6(d), Edith A. Chalk, acting Director, Office of Classification, Office of Environment, Health, Safety and Security, is the official responsible for the denial of the DOE classified information.

Pursuant to 10 C.F.R. §1004.1, DOE 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 the information withheld from disclosure pursuant to Exemption 3, DOE has no further discretion under the FOIA or DOE regulations to release information currently and properly classified as Restricted Data under the AEA.

The FOIA requires that “any reasonably segregable portion of a record shall be provided to any person requesting such record after deletion of the portions which are exempt.” 5 U.S.C. § 552(b). As a result, a redacted version of the documents is being released to you in accordance with 10 C.F.R. §1004.7(b)(3).

This determination, as well as the adequacy of the search, may be appealed within 90 calendar days from your receipt of this letter pursuant to 10 C.F.R. § 1004.8. Appeals should be addressed to Director, Office of Hearings and Appeals, HG-1, L’Enfant Plaza, U.S. Department of Energy, 1000 Independence Avenue, S.W., Washington, D.C. 20585-1615. The written appeal, including the envelope, must clearly indicate that a FOIA appeal is being made. You may also submit your appeal to OHA.filings@hq.doe.gov, including the phrase “Freedom of Information Appeal” in the subject line (this is the preferred method by the Office of Hearings and Appeals). The appeal must contain all of the elements required by 10 C.F.R. § 1004.8, including a copy of the determination letter. Thereafter, judicial review will be available to you in the Federal District Court either: 1) in the district where you reside; 2) where you have your principal place of business; 3) where DOE’s records are situated; or 4) in the District of Columbia.

You may contact DOE’s FOIA Public Liaison, Alexander Morris, FOIA Officer, Office of Public Information, at 202-586-5955, or by mail at MA-46/Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C. 20585, for any further assistance and to discuss any aspect of your request. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows: Office of Government Information Services, National Archives and Records Administration, 8601 Adelphi Road-OGIS, College Park, Maryland 20740-6001, e-mail at ogis@nara.gov; telephone at 202-741-5770; toll free at 1-877-684-6448; or facsimile at 202-741-5769.

The FOIA provides for the assessment of fees for the processing of requests. *See* 5 U.S.C. § 552(a)(4)(A)(i); *see also* 10 C.F.R. § 1004.9(a). In our January 11, 2022, letter, you were advised that your request was placed in the “other” category for fee purposes. Requesters in this category are entitled to two (2) free hours of search time and 100 free pages. DOE’s processing costs did not exceed \$15.00, the minimum amount at which DOE assesses fees. Thus, no fees will be charged for processing your request.

If you have any questions about the processing of the request or this letter, you may contact Maysa Ceballos-Germosen or me at:

MA-46/Forrestal Building
1000 Independence Avenue, S.W.
Washington, D.C. 20585
(202)586-5955

I appreciate the opportunity to assist you with this matter.

Sincerely,

Alexander C. Morris

Digitally signed by
Alexander C. Morris
Date: 2023.01.09
08:43:02 -05'00'

Alexander C. Morris
FOIA Officer
Office of Public Information

Enclosures

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Request #: HQ-2022-00340-F

Final response for request for:

A copy of the 1982 report prepared by William C. Grayson, Jr. of R&D Associates, Arlington, Virginia, and commissioned by the Department of Energy, entitled "Possible Violations of ... the Atomic Energy Act in Connection with the 'Progressive 'Case'"

DOE's Office of Health, Environment, Safety, & Security (AU) has completed its search and identified one (1) document responsive to your request.

- One (1) document *is being withheld in part pursuant to Exemption (b)(3).*

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REDACTED COPY

(This document consists of 62 pages)

No. 1 of 1 copies, Series OSS-A

Unique Document # DP-32mm5210000

Document No. DP-32006521A

This document consists of 102 pages

No. 1 of 1 Copies, Series DP-32A

POSSIBLE VIOLATIONS OF DOE REGULATIONS,
COURT ORDERS, OR THE ATOMIC ENERGY ACT
IN CONNECTION WITH THE PROGRESSIVE CASE

Doc 053229

William C. Grayson, Jr.

August 4, 1982

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1st REVIEW DATE: 04/01/1982	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: 005-00	1. CLASSIFICATION RETAINED
NAME: S. Hoffman, EHS-10	2. CLASSIFICATION CHANGED TO:
2nd REVIEW DATE: 04/01/1982	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: 005-00	4. COORDINATE WITH:
NAME: M. KOLEAY, EHS-10	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): w/ Attachments

62 pages

DOE/OSS CENTRAL FILE ROOM



DOCUMENT NO. OSS8804254

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Suite 500
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Classified By: JACK ROSENGREN~~

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H/T

POSSIBLE VIOLATIONS OF DOE REGULATIONS,
COURT ORDERS, OR THE ATOMIC ENERGY ACT
IN CONNECTION WITH THE PROGRESSIVE CASE

William C Grayson, Jr.

August 4, 1982

CONTAINS DEPT. OF ENERGY
CLASSIFIED INFORMATION
AUTHORITY: DOE-OCIP
BY D.C. LITTLE, DATE: 6-25-90
1/17/91 6/25/90

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I. INTRODUCTION

These notes are intended to point out incidents connected with the Progressive case which may involve communication of Restricted Data, or other violations of DoE security regulations, to court orders, or of the Atomic Energy Act (AEA). See also the several DoE referrals to the FBI of suspected violations given in Appendix 10.

This list must be considered highly speculative since in the absence of any substantial investigation it must be based on limited sources of limited credibility. The sources used here are largely court documents filed by the defense and other sources sympathetic to the defense such as Morland's book "The Secret that Exploded", * Random House, NY (1981), items from The Progressive, and newspaper accounts. There is a very small amount of more objective information available, such as the very few, very early, FBI interview reports (see Appendix 11).

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The second section identifies possible violations connected with several incidents associated with the case, including the publication of Chuck Hansen's letter to Senator Percy on September 16, 1979, which resulted in the case being dropped. The third section is a summary list of individuals associated with the various possible violations described earlier. Appendices give for reference several lists of people associated in some way with the case and a list of various known versions of Morland bomb designs, drafts of the article, diagrams, legend and captions.

* Page numbers given here refer to Morland's book unless specifically noted.

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II. ACQUISITION AND DISSEMINATION OF RESTRICTED DATA
BY H. MORLAND

A. POSSIBLE SOURCES

This section is based almost entirely on Morland's book.

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* As used here "Q" is shorthand for formal access to nuclear weapons data. Note that actually Q-clearance, depending on need-to-know, need not involve any access to nuclear weapons data.

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(6) Louise Franklin-Ramirez (Women Strike for Peace) applied for a joint copyright with Morland on the diagrams, saying she supplied the contacts, he drew the pictures. She said the diagrams were first "published" January 19, 1979 (at Santa Cruz?).

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(9) Ronald Siegal (MIT graduate student)

• November 4, 1978, at bomb design "seminar" at MIT Siegal said artillery fired weapons were gun-assembled. Siegal and Gene Rochlin were certain H-bombs had one trigger at one end of a cylinder. (p. 110).

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o December 30 (?), 1978, Morland showed his diagrams to Siegal. Siegal told Morland that x-rays seemed more likely than gammas, that the primary HE was Cyclonite RDX not TATB, and that varying amounts of wax were mixed with HE to focus shock waves. (p. 131).

o February 12, 1979, Siegal gave a copy of the Morland article to Rathjens.

o February 15, 1979, Siegal wrote a letter to Day detailing his objections to publication of Morland's article and in effect pointing out the sensitive parts (p. 144).

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(16) Anonymous Student at the University of Alabama supposedly told Morland, at an informal lecture on the arms race in a UA dormitory in January, 1978, "I have a friend who knows somebody at Oak Ridge, and he said the secret of the H-bomb was in the gamma rays--that the gamma rays from the fission trigger set off the fusion part of the bomb. The inside of the bomb casing is a lot of very finely machined reflecting surfaces. That what they do at Oak Ridge, they machine the inside of the bomb casing to make it reflect gamma rays." (p. 41).

(17) Anonymous author of "NRL" letter (NRL(?), Q(?)) On March 30, 1979, the Progressive received an unsigned letter in a NRL envelope enclosing the New Solidarity article and stating that it had put Morland's "secret" in the public domain and that DoE would classify the figure as Secret (CNWDI) (p. 179, 201).

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B. DISSEMINATION

Morland described dissemination of RD in some detail in his Affidavits, in his court ordered accounting, and in his book. Note these accounts are all different, with each one much more extensive than the preceding ones. There very probably was additional dissemination before, during, and after the case.

Morland said he "...had, prior to the TRO, been distributing copies to all and sundry like autumn leaves, just so it would be virtually impossible to retrieve all of them." (p. 194). Also "I didn't want the dragnet to succeed". (p. 195). "...many of the people who had copies had in one way or another helped me to write and edit the article" (p. 195). Morland says he was advised on February 16, 1979 by Bob Sarno, a LA obscenity lawyer, to place several copies of the article in safekeeping while it was still legal to do so (p. 143). "I doubt that a single person who returned to me the copy of the article I had given him or her did not first make several more copies, and either further distribute them or squirrel them away somewhere the FBI was unlikely to look" (p. 203).

A list of known dissemination of the secret and other RD by Morland is given below and summarized in Appendix 1. The few instances given in the court-ordered accounting are marked with an asterisk (*).

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III. SOME ASSOCIATED INCIDENTS

There were several major incidents that directly affected the case and may have involved violations of DoE regulations or court orders, as well as the AEA.

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C. LASL LIBRARY

The government's contention that Morland's H-bomb secrets were not in the public domain was damaged when on May 7, 1979 Dimitri Rotow found on the open shelves of the LASL library the SRD report UCRL-4725. It had been mistakenly marked "declassified" but contained sensitive information on nuclear weapons. He had been sent by the ACLU to look for just such mistakes, in connection with The Progressive case. (He had found several much less sensitive mistakes there the year before!)

Rotow recognized the importance of UCRL-4725 and promptly sent off copies, not just to the ACLU, but also to several others (see Appendix 4) including H. Morland and two newspapers, the Chicago Sun-Times and the Washington Post. The latter had a cover letter signed "Alarm Clock"!

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When DoE learned of this, it contacted all known recipients and retrieved the two copies sent to newspapers and 10 copies from Rotow. The ACLU and other counsel for the defendants were notified it must be protected.

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D. HANSEN'S LETTER TO SENATOR PERCY

On August 27, 1979 Charles (Chuck) Hansen sent a letter to Senator Charles Percy which contained a RD description of the secret of the H-bomb, in terms very similar to Morland's article.

On September 7, DoE received an "article" from Hansen for comment which later turned out to be excerpts from the Percy letter. Then on September 12, DoE received a copy of the Percy letter itself from LLNL, who had been given it by Hugh Dewitt (at least two weeks after he got it, and possibly only for provocation!) Hansen gave a long list of recipients (see Appendix 3), including newspapers, Congressman and Hugh Dewitt. All known recipients were contacted. Only the Daily Californian seemed likely to publish, and a TRO was obtained on September 15. However, on September 16, the letter was published by the Madison Press Connection, not one of the known recipients. Publication of the letter effectively mooted The Progressive case and the DOJ asked for dismissal. The Madison Capitol-Times, whose employees

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were involved in running the Press-Connection as a short-lived strike paper, apparently received the letter from the Daily Californian (p. 227). Other unaccounted for copies were also said to have been floating around.

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IV. MISCELLANEOUS QUESTIONS AND OBSERVATIONS

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18. Randall Forsberg is one of the originators and leaders of the "nuclear freeze" movement.
19. Edward L. Cooperman, one of the defense affiants is chairman of the "U.S. Committee for Scientific Cooperation with Vietnam". He worked at LASL the summer of 1964, did he have a clearance?

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V. SUMMARY OF PEOPLE ASSOCIATED WITH POSSIBLE VIOLATIONS

A summary list is given below of people associated with the possible violations described earlier.

A. "Insiders", with legal access to weapons RD prior to the Progressive case.

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B. DoE or DoE contractor employees, but with no legal access to weapons RD prior to the Progressive case.

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C. People Cleared for the case only

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D. Persons with no legal access to RD

Note the defendants and all in concert with them were subject to the TRO or PI from March 9, 1979 to September 28, 1979.

1. Howard Morland (defendant) received and disseminated the secret (Note as a former member of the Armed Forces he could be subject to sec. 227 of the AEA, with penalties for knowing communication of RD and with no statute of limitations!) As the book makes clear, he made no serious attempt to carry out the court's order for

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accounting and retrieval. (See Appendix 1 for a list of people Morland said he disseminated RD to.) He may have violated the TRO or PI, at least in aiding dissemination by others e.g., Caldicott.

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He probably still retains copies of UCRL-4725. Conceivably the whole case involved conspiracy of some sort between Morland, Day, CDI Mobilization for Survival, or others.

2. Samuel Day, Jr. (defendant) received and disseminated Morland's secret and the article before the TRO, and possibly after it, too.

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3. Erwin Knoll (defendant) received and disseminated the secret. After the TRO, PI he probably revealed RD at least by broad hints in his many media events.

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4. Ron Carbon, John Buell, other staff of The Progressive (defendant) received and disseminated the secret before if not after, TRO.

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5. Charles (Chuck) Hansen (DoD clearance, DoD contractor employee)

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6. Louise Franklin-Ramirez helped Morland in receiving and distributing the secret, e.g., she filed for copyright of the diagrams and captions as a principal author.
7. Dimitri Rotow knowingly received RD and then disseminated it widely in connection with the two incidents at the LASL library, e.g., the TX-7 documents and UCRL-4725. He may still have copies of both.

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10. The Madison Press-Connection knowingly received and disseminated the RD letter of Hansen to Percy. This may have also violated either the TRO against the Daily Californian or the PI, or both.

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12. Jim Albertini received the secret and copies of the article from Morland, and probably disseminated it. He avoided an FBI interview. He retained copies of the article when Morland nominally tried to retrieve them (see accounting!). He had set the article in type for publication at the time the case was dropped.
13. Helen Caldicott received the article and disseminated it e.g., in Australia. Was she acting in concert with Morland in violation of the TRO, PI?

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DELETED

15. Randall Forsberg received and disseminated the secret via discussion, diagrams, and the article, apparently in an attempt to block publication.
16. Friedwardt Winterberg has had no legal access to RD, and no specific allegations have been made of violations in connection with the Progressive case. However, he did send Morland copies of his own ICF articles and New Solidarity.

DoE
b(3)

DELETED

17. Dave Johnson (CDI) arranged for Morland to work for Day on his "secrecy" project. Was he involved otherwise? Did he ever have a clearance, e.g., as a former Congressional staffer?

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18. Miscellaneous recipients of RD (see Appendices 1, 2, 3)

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For example, Morland said he doubted that any of the recipients fo his article failed to keep a copy or further disseminate it (p. 203).

DoE
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APPENDIX 1
MORLAND'S DISSEMINATION OF RESTRICTED DATA
(dissemination as given in court-ordered accounting is
marked with an asterisk (*))

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APPENDIX 2

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EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

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APPENDIX 3

RECIPIENTS OF HANSEN'S LETTER TO SENATOR PERCY (AUGUST 27, 1979) (from Hanson's Affidavit of 9/14/79 attached to Affidavit of Peter Bernard 9/14/79)

Senator C. Percy
Congressman P. McCloskey
Wall Street Journal (John Emschwiller)
San Jose Mercury (Kathy Castillo)
Oakland Tribune (John Miller)
Milwaukee Sentinel (Joe Manning)
Peninsula Times-Tribune (Palo Alto, Mary Madison) and
from there to parent Chicago Tribune
Progressive (Erwin Knoll)
Daily Californian (Editor) (who probably sent it to The
New York Times, and The Madison Capitol Times)
Hugh Dewitt
Ted Postol

Morland's book (p. 227) says copies were also in the hands of The Village Voice and The Madison Capitol-Times. The Madison Press-Connection published it on September 16, 1979 knowing it contained RD.

Were these the only recipients? Did any recipient further disseminate it in violation of the AEA?

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APPENDIX 4
Recipients of UCRL-4725

Rotow (letter to Glenn, October 9, 1979) said he sent copies to:

John Fialka, Washington Star
Brian Kelley, Chicago Sun-Times
Tom Cochran, NRDC
H. Morland (2 copies)
Bruce Ennis, ACLU (2 copies)

The ACLU in turn sent a copy to G. Marsh at ANL.

Rotow said he retained 14 copies. He said he retrieved Morland's two copies and turned them and 10 others (actually there were only 10 total) over to DoE. Four copies (he told Grayson six) were destroyed "because they had marginal notes". Rotow said he no longer had any copies, that all recipients (not clear if he included never-identified people he showed it to) had assured him they made no copies, he had seen no evidence that copies were made of his copies.

Tom Cochran, Alex DeVolpi both hinted strongly that Morland--if not others known to them also--still retained copies of UCRL-4725 several months later.

Were there other copies disseminated or retained by Rotow? Were there copies made by recipients, or by people Rotow showed UCRL-4725 to? e.g., Did the ACLU send to anyone but Marsh? Did Marsh make copies? Did Postol have access to UCRL-4725? Does Morland still have copies?

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APPENDIX 5
PEOPLE CLEARED FOR PROGRESSIVE CASE

A. DEFENSE COUNSEL

1. <u>For Morland</u>	<u>Granted</u>	<u>Terminated</u>
Fox, Thomas P.	3/15/79	6/19/81
Friedman, Paul L. (White and Case, DC)	5/29/79	6/19/81
Carnahan, Jennifer Sue	6/07/79	6/19/81
Chiffreller, Donna Frances	7/09/79	6/19/81
Drivver, Irene Marie	6/07/79	6/19/81
Gilbert, Margery Anne	7/14/79	6/19/81
McAvoy, John Joseph	6/22/79	6/19/81
Stockard, Jane Marie	6/07/79	6/19/81
2. <u>For The Progressive, Inc.</u>	(Sinykin, Anderson and Munson, Madison, WI)	
Armstrong, Cinda Marie	7/02/79	4/03/81
Fallon, William H.	7/02/79	4/03/81
Gerber, Steven	6/07/79	7/10/79
Kaiman, Barbara A.	7/02/79	4/03/81
Muldowney, Timothy J.	7/02/79	4/03/81
Munson, Earl Jr.	3/15/79	4/03/81
Williamson, Brady C.	3/15/79	4/03/81
3. <u>For Knoll and Day, (ACLU)</u>		
Dall'Osto, Raymond (Madison)	4/11/79	4/03/81
Davis, Carol Marie	5/23/79	4/03/81
Ennis, Bruce J.	4/11/79	4/03/81
Kannar, George Vincent Jr.	4/11/79	4/03/81
Lynch, Mark Henry (DC)	4/11/79	4/03/81
Mass, Robert Allan	7/30/79	2 10/4/79
Mitchell, Marion V.	4/26/79	4/03/81
Neuborne, Bert	4/11/79	4/03/81
Sims, Charles S.	4/11/79	2 10/4/79
Wells, Edna D.		4/03/81

10/15/79

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B. DEFENSE EXPERT WITNESSES

(NOTE: degree of actual access to in camera material unknown in some cases)

	<u>Granted</u>	<u>Terminated</u>
Attix, Frank	3/21/79	6/19/81
Brown, Martin L.	3/22/79	6/19/81
Foell, Wesley K.	3/21/79	6/19/81
Garner, Harold R.	5/15/79	6/19/81
Halperin, Morton H.	4/25/79	6/19/81
Kendall, Henry Way	3/15/79	6/19/81
Kirkman, Thomas William III	5/11/79	6/19/81
*Postol, Theodore A.	3/21/79	?
Richards, Hugh Taylor	3/21/79	6/19/81
*Schwartz, Charles Leon	3/21/79	6/19/81
Steiner, Arthur James (ACDA)	12/8/76	6/30/80
Tsipis, Kosta Michael	3/15/79	6/19/81

*Did not accept clearance, no official access to article or other in camera material

AND

- o Three Argonne National Laboratory (ANL) employees with Q clearances for reactors had need-to-know certified by ASDP/DoE:

DeVolpi, Alexander	?	?
Marsh, Gerald E.	?	?
Stanford, George S.	?	?

- o Four Lawrence Livermore National Laboratory (LLNL) employees with Q clearances for nuclear weapons had need-to-know certified by ASDP/DoE:

Andre, Calvin	3/20/79
Dewitt, Hugh Edgar	3/18/79
Hager, Ralph	3/20/79
Kidder, Ray E.	3/20/79

Requests for clearances were also made, and later withdrawn, for:

Camerini, *U90*
Cooperman, Edward L.
Dittman, Roger

Noyes, Henry Pierre
Sinykin, Gordon
Wald, George

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C. COURT PERSONNEL

1. Eastern District of Wisconsin, Milwaukee, Wisconsin

	<u>Granted</u>	<u>Terminated</u>
Boch, David C. <i>- record</i>	?	6/19/81
Bonk, Ronald L.	3/23/79	6/19/81
Eales, Ken V.	3/23/79	6/19/81
Gorence, Pat J.	3/23/79	6/19/81
Myers, Thomas A.	3/23/79	6/19/81

(Judge Robert W. Warren, ex-officio)

2. U. S. Court of Appeals for 7th Circuit, Chicago, Illinois

Durflinger, Kathleen R.	8/28/79	6/19/81
Fitzpatrick, Collins T.	<i>8/28/79</i>	6/19/81
Freeman, Tom Marc	8/28/79	6/19/81
Grossman, Paul A.	4/27/79	6/19/81
Knuepfer, Robert Claude Jr.	8/28/79	6/19/81
Lovelette, Claudia Jean	8/28/79	6/19/81
Mathy, Pamela Ann	8/28/79	6/19/81
McGreevy, Keith Robert	4/12/79	6/19/81 <i>still active</i>
Nash, Margaret Mary	8/28/79	6/19/81
Panek, John	4/25/79	6/19/81
Raclin, Grier Curran	8/28/79	6/19/81
Shapiro, Robert E.	8/28/79	6/19/81
Strubbe, Thomas F.	4/27/79	6/19/81
Sturtz, Patricia Susan	<i>8/28/79</i>	6/19/81

(Judges William Bauer, Walter Cummings, and Wilbur Pell, ex-officio)

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APPENDIX 7
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APPENDIX 8
OFFICIAL DoE CONTACTS OF MORLAND AND DAY
(Day contacts marked with asterisk)

WHEN	WHERE	CONTACTS
Feb 2 (?), 1978	ORO	James Alexander PA/ORO/DoE
*June 26	GTN	F. Charles Gilbert MA/DoE James Connor PA/DoE
*June 27	RF	
*June 28	Sandia	W.J. Howard, Executive VP Robert Peurifoy, Director Weapons Systems Development, William Mayre, Director Nuclear Security, Dan Dickason, Director Transportation Safeguards Division
*June 29	ALO	George Dennis, PA
*June 30	Pantex	Charles Poole, Assistant Plant Manager, Mason & Hanger, Paul Wagner, DoE Area Manager
July 18 (?)	GTN	F. Charles Gilbert MA/DoE James Cannon PA/DoE
July 24	Mound	Howard Charbenau, PIO Monsanto Harry Hill, DoE area manager John McClain VP and Director of Laboratories, Monsanto A. L. Richey, Monsanto
September 1	Pinellas	Don Ofte, DoE area manager John Shea, Chief Adm. Branch Tom McElrone, Manager of Professional Relations Ed Forest, Manager Environmental Health and Safety Margaret A. Schumann, Security Officer

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September 5	Savannah River	David Peek, PA/SRO/DoE James M. Gaver PA/SRO/DoE Newton Seebeck, Director Safeguards and Security/SRO/DoE Steve Wright, Environmental Specialist
Sept. 25, 26	Oak Ridge	James Alexander, PA/ORO/DoE Herschle Hickman, Director of Manufacturing Wayne Range, PA/ORO/DoE Jack M. Case, Plant Manager Y-12 Larry Phillips, Classification Officer Y-12 Harvey Cobert, Director of Public Relations Union Carbide Nuclear Division (UCND) Edward Aebischer, Associate Director Public Relations, UCND W. J. Yaggi, Development Division, Y-12 Roy Williams, Metal Preparation Division Y-12 William Dodson, Development Division Y-12 Harwell Smith, Production Engineering and Scheduling Division, Y-12 William A. Bell, Jr. Chemical Technology Division, Oak Ridge National Laboratory (ORNL) Charles L. Ottinger, Isotope sales ORNL
November 6	Bendix - Kansas City	Robert Bishop, Public Affairs
November 7 (?)	Rocky Flats	Gary Echert, PR
November 9	LASL	Charles Mitchell, PA (?), LASL Bill Richmond, PA (?), LASL

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November ?	National Atomic Museum	Rick Wray, guide/DoE Phillip Larragoite, guide/DoE Eugene Detrick, guide/DoE Gwen Schreiner, librarian/DoE
November 13	Sandia, ALB	James E. Mitchell, PA(?) / Sandia

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APPENDIX 9
LIST OF VERSIONS OF MORLAND'S BOMB DESIGNS,
VARIOUS VERSIONS OF THE ARTICLE, DIAGRAMS,
LEGEND, AND CAPTIONS

(*) means not available

(A) Before "Secret", i.e., before about Nov 9-13, 1978

- (a) "lampshade" (p. 56, 57, 70; MIII ex. 48, III-1)
before April 3, 1978
- (b) "segmented worm" (p. 72, 87, 89-92, MIII, ex. 48,
III-2) before August 25, 1978
- (c) "salad bowl" (p. 101, 102, 110, 125; MIII, ex. 48,
III-3(?)) before September 25, 1978
- (d) "keyhole" (p. 20, 110, 113, 114, 119; MIII, ex.
48, III-5) after about November 4, 1978

(B) After "Secret", i.e., after about Nov 9-13, 1978

- *1. Notebook drawings (p. 4, 19, 126-129; MIII p. 4,
and ex. 48 III-7, 8, 9) from V. Kendrick, based
on "Teller" diagram (six rather than 7
drawings?), about November 9-19, 1978
- 2. "finished diagrams" (first version), with central
T, no diagonals in HE (p. 129-131), about
December 22 (first one) to December 30 (all),
Morland gave to Forsberg January 1-5, 1979
- *3. Colored version of diagrams (p. 132, 138) no
captions, about January 1, 1979
- *4. Outline of article (2p.) and diagrams (p. 134)
Morland sent Day about January 5, 1979
- *5. "finished diagrams", redrawn, second version (p.
135) T moved to periphery, about January 8-13,
1979
- *6. H-bomb slide show (p. 136) included diagrams,
shown (handed out hard copy?) at Santa Cruz,
January 20, 21, 1979, about January 18, 1979

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7. First Draft of Article (p. 136, FORSBERG) 34 p., no diagrams, Morland gave to Forsberg, about January 21, 1979 (Santa Cruz) when arrived "had half written in longhand."
8. Second (?) draft of article, Apparently first 23½ p. (except ½ p.2) removed (presumably total was 45p. + 7p. diagrams + lp. legend; remaining, 2lp. + 7p. diagrams + lp. legend + ½ of p.2) inserts, rewrite of first draft (7), about January 21, 1979
- *9. "Morland's final draft of article" (p. 136, DAY) 24p. including diagrams. Morland gave to Day at Santa Cruz, about January 21, 1979, "discarded" after editing
10. Day's first draft of article (p. 140, DAY) 29p., including diagrams = 19p. + 2p. captions + lp. legend + 7p. diagrams, sent out for review to Morland, Postol, Siegal, and Forsberg about February 7, 1979, first appearance of captions.
11. Rathjens marked copy of Day's first draft of article (10) (sensitive parts marked by Rathjens, Siegal, Forsberg) from Siegal about February 12, sent to DoE February 16, probably Siegal also sent copy to Day February 15, 1979 (29p)
12. Forsberg "expurgated" version of Day's first draft of article (10) (p. 142) (28p.) about February 9-12, 1979 (Forsberg sent Day 2/12) probably based on Siegal, Rathjens identification of sensitive parts (11)
13. Postol marked copy of Day's first draft of article (10) (and 3 p. of Postol notes) (29p.) about February 9-15, 1979
14. DeVolpi marked copy of Day's first draft of article (10) (29p.) about February 9-15, 1979
15. Morland marked version of Day's first draft of article (10) (p. 140) (30p. + 2p. captions + lp. legend + 7p. diagrams = 40p.) appears to be original, in Morland's handwriting. After xerox for (16) below some notes were added on p. 13, 22; footnotes p.31, 32 were covered, about February 13, 1979

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16. (NEAR) duplicate of Morland marked version of Day's first draft of article (15, above) (40p) lacks (later) notes p. 13, 27; has footnotes p. 31, 32 which were taped over on "original" after xeroxing, about February 13, 1979
- *17. Drawings and captions Day sent DoE February 21, 1979 (p. 145) (received March 1, 1979)
18. Day's second (?) draft of article (38p.), "latest draft" Day sent DoE February 26, 1979 (version here has RD marked-both original and later versions-and footnotes)
19. Day's "final version" of article (48p. = 30p. + 2p. captions + 1p. legend + 7p. diagrams and extra 1p. legend + 7p. diagrams)
20. "Australian" version of article (p. 148, 202) (48p. - except pp. Ad5 and Ad11 missing - i.e., 30p. + 2p. captions + 1p. legend + 7p. diagrams plus extra 1p. legend + 7p. diagrams) Morland handed H. Caldicott February 5, she gave Australian newspapers, etc. about April 11. Appears to be xerox of Day's "final version" (19 above) with p. Ad5 and Ad11 missing [and without later marks on (19) above for classification on p. Ad14, 17-19; 19-24.]
21. Published version (November Progressive, p. 239) about October 1, 1979
22. "Errata" (December Progressive, p. 271) about November 1, 1979
23. H-bomb slide show (revised) (p. 210, p. 273) before about April 1980
24. The NATION article "Tritium: Secret Ingredient of the H-Bomb" August 26, 1980
25. Book, "The Secret that Exploded" about summer 1981.

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APPENDIX 10
DOE REFERRALS TO THE FBI OF SUSPECTED VIOLATIONS

2/16/79	Morland Article (by phone)
2/22/79	Morland Article
2/28/79	Morland Article
4/3/79	Australian incident
5/15/79	Official DoE contacts, <u>Milwaukee Sentinel</u> ,
	Hansen letter to McCloskey
6/20/79	<u>Daily Californian</u> ,
	"Postol" letter
7/23/79	Hansen
8/1/79	Hansen, H-bomb contest
[8/16/79	DOJ letter to DoE, declining to investigate incidents reported]
8/27/79	Dewitt, by LLNL
[9/6/79	FBI TWX to SF/FBI, no investigation of Dewitt or Hansen until advised by Civil Division]
9/13/79	Hansen, Percy letter
9/24/79	Hansen letters
10/1/79	Morland, copyright office
12/5/79	Summary
?	Morland, "Errata", December, 1979, <u>The Progressive</u>
9/22/80	Morland, <u>The Nation</u> article of 6/12/80

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FBI INTERVIEWS

<u>DATE</u>	<u>PERSON</u>	<u>RETURNED MATERIAL</u>
2/17/79	George W. Rathjens	
2/28/79	Randall C. Forsberg	
2/28/79	Ronald H. Siegal	Article, letter (2/7) from Day, letter (2/15) to Day
2/28/79	Bernard T. Feld	
3/6/79	William W. Kaufman	Article, letter (2/15) Siegal to Day
4/16/79	Randall C. Forsberg	Early draft legend and sketches, first draft article, letter (2/12) to Day
4/16/79	Ronald H. Siegal	Article, "expurgated" article, "rationale", letter (2/15) to Day
4/20/79	Charles L. Schwartz	10 p. legend, captions, sketches
4/23/79	Theodore A. Postol	Article, annotated article, notes
4/23/79	Alexander DeVolpi	Annotated article
4/23/79	Gerald E. Marsh	2 articles, Postol notes, Postol II
4/23/79	George S. Stanford	Article, Postol II
4/26/79	Daniel Ellsberg	(cancelled)
4/28/79	Siegal letter to FBI	

Although the reports are not available, apparently there were also interviews with all except four of the other recipients of the Morland article identified by the defense; i.e.:

Roger Bach
Keith Brosveen
Emily Card
Peter Garrison

Will Ramsey
Nancy Salter
Bob Sarno

The four identified recipients who refused to be interviewed or to turn in their copies of the article without immunity were:

James Albertini
Helen Caldicott

Barbara Jenkins
Louise Franklin-Ramirez

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