

Declassified by DNA, Chief, ISTS

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Date: 1/25/91

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This document consists of 2 pages  
No. 9 of 15 copies. Series B

34

DEPARTMENT OF DEFENSE  
ARMED FORCES SPECIAL WEAPONS PROJECT  
P. O. BOX 2610  
WASHINGTON, D. C. DNA1.950203.035

Address Reply To:  
The Chief, Armed Forces  
Special Weapons Project

SWPDV-8

4 June 1952

Dr. W. A. Royes, Jr.  
In Care of Chief Chemical Officer  
Department of the Army  
Washington 25, D. C.

Dear Dr. Royes:

I wish to take this opportunity to thank you for accepting the Chairmanship of the AFSWP-sponsored Study Group to review Radiological Warfare. Major T. A. Gibson, Jr., has been designated as Secretary of the group, and he will be in frequent contact with you as the study progresses.

As you recall from your meeting with members of my staff on 28 May, the Study Group is established as an ad hoc staff organization to review the technical advances and changes in the field since the final report of the Joint AEC-NSA Panel on Radiological Warfare. The group is to be encouraged to function as an independent entity within the limits of its field of interest. The study should cover but not necessarily be limited to the following problems:

- a. The capabilities of the Atomic Energy Commission to produce those radioactive materials which to date have been identified as having RW potentialities; together with time scales, costs, and impact on other AEC programs.
- b. The methods by which the radioactive materials would be processed to produce suitable RW agents. The implications of producing these agents in effort, time, and money.
- c. The radiological effectiveness of RW agents.
- d. The delivery and dissemination of RW agents.
- e. The decontamination of areas subjected to an RW attack.
- f. The biological effects of whole-body irradiation of man.
- g. The changes which should be made in the technical conclusions and recommendations of the final AEC-NSA Panel Report in view of subsequent developments.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
REVIEWER-DATE: 7/2/94	DETERMINATION (CIRCLE NUMBER(S))
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The Study Group also should consider the current agent requirements to meet the planned full-scale evaluation tests which have been requested by the WSEG together with recommendations as to such modifications to this schedule as may appear desirable.

To provide broad technical competence in the field, I am requesting the following individuals to serve with the Study Group:

Dr. W. F. Dale, University of Rochester  
Mr. D. Z. Beckler, RDB  
Lt. Col. R. D. Howers, Directorate of Plans, USAF  
Dr. P. C. Fine, Division of Military Application, AEC  
Lt. Col. J. A. Hebbeler, Army Chemical Corps  
Dr. H. Scoville, Jr., AFSWP  
Lt. Col. N. L. Gross, MLC  
Individual to be named, WSEG  
Individual to be named, Division of Production, AEC

The AFSWP will assist the Study Group with clerical assistance and such financial support as may be necessary for the group to discharge its responsibilities.

I thank you again for consenting to help with this important review.

Sincerely,

/s/ Herbert B. Loper  
HERBERT B. LOPER  
Brigadier General, USA  
Chief, AFSWP

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NO. 1 OF 2 COPIES, SERIES Draft

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DRAFT  
T.A. Gibson, Jr./ms/1B683/74178  
29 May 1952

SWPDV-8

Dr. W. A. Noyes, Jr.  
In Care of Chief Chemical Officer  
Department of the Army  
Washington 25, D. C.

Dear Dr. Noyes:

I wish to take this opportunity to thank you for accepting the Chairmanship of the AFSWP-sponsored Study Group to review Radiological Warfare. Major T. A. Gibson, Jr., has been designated as Secretary of the group, and he will be in frequent contact with you as the study progresses.

As you recall from your meeting with members of my staff on 28 May, the Study Group is established as an ad hoc staff organization to review the technical advances and changes in the field since the final report of the Joint AEC-NME Panel on Radiological Warfare. The group is to be encouraged to function as an independent entity within the limits of its field of interest. The study should cover but not necessarily be limited to the following problems:

- a. The capabilities of the Atomic Energy Commission to produce those radioactive materials which to date have been identified as having RW potentialities; together with time scales, costs, and impact on other AEC programs.
- b. The methods by which the radioactive materials would be processed to produce suitable RW agents. The implications of producing these agents in effort, time, and money.

Declassified by DNA, Chief, ISTS

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Date: 1/25/95

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- c. The radiological effectiveness of RW agents.
- d. The delivery and dissemination of RW agents.
- e. The decontamination of areas subjected to an RW attack.
- f. The biological effects of whole-body irradiation of man.
- g. The changes which should be made in the technical conclusions and recommendations of the final AEC-NME Panel Report in view of subsequent developments.

The Study Group <sup>should</sup> also consider the current agent requirements to meet the planned full-scale evaluation tests which have been requested by the WSEG together with recommendations as to such modifications to this schedule as may appear desirable.

To provide <sup>book-technical competencies in the field</sup> ~~the group with the necessary technical talent,~~ I am requesting ~~that~~ the following individuals <sup>to</sup> serve ~~or be made available to serve~~ <sup>with the Study Group.</sup>

Dr. W. F. Bale, University of Rochester

Mr. D. Z. Beckler, RDB

Lt. Col. R. D. Bowers, Directorate of Plans, USAF

Dr. P. C. Fine, Division of Military Application, AEC

Lt. Col. J. A. Hebbeler, Army Chemical Corps

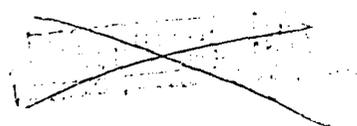
Dr. H. Scoville, Jr., AFSWP

Lt. Col. M. L. Shoss, MLC

Individual to be named, WSEG

Individual to be named, Division of Production, AEC

The AFSWP will assist the Study Group with <sup>clinical assistance as</sup> such financial support as <sup>may be</sup> necessary for the group to discharge its responsibilities.



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I thank you again for consenting to help ~~me and my organiza-~~ *with this important*  
~~tion in this review.~~

Sincerely,

*15/ Howard B. ...  
... U.S.A.  
...*

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**MEMO ROUTING SLIP**

1	NAME OR TITLE <i>Chief Dev Div.</i>	INITIALS <i>WPK</i>	<input type="checkbox"/>	CIRCULATE
	ORGANIZATION AND LOCATION	DATE	<input checked="" type="checkbox"/>	CONCURRENCE
2	<i>DCS, Tech. Serv.</i>	<i>[Signature]</i>	<input type="checkbox"/>	FILE
	<i>NV</i>	<i>[Signature]</i>	<input type="checkbox"/>	INFORMATION
3	<del><i>Chief of Staff</i></del>		<input type="checkbox"/>	NECESSARY ACTION
			<input checked="" type="checkbox"/>	NOTE AND RETURN
4			<input type="checkbox"/>	SEE ME
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REMARKS

*Yesterday Dr. Noyes accepted the invitation to be Chairman of the R W Study Group.*

*Request approval of draft letter to Dr. Noyes.*

*Also request approval of draft letter asking for service members to work on the Study Group.*

FROM NAME OR TITLE <i>Major Gibson</i>	DATE <i>29 Mar '52</i>
ORGANIZATION AND LOCATION <i>R. W. Branch</i>	TELEPHONE <i>74727</i>

DRAFT

T.A. Gibson, Jr. /ms/1B683/74178

27 May 1952

THIS DOCUMENT CONTAINS BY 2 PAGES  
NO. 2 OF 2 COPIES SUB'S Draft

SWPDV-8 101.1

(34)

SUBJECT: Request that the Services of  
be Made Available to a Technical Study Group to Review RW

TO:

1. The Armed Forces Special Weapons Project has been requested by the Military Liaison Committee to sponsor a Study Group to review the technical changes and progress in the field of radiological warfare. Dr. W. A. Noyes, Jr., has consented to serve as Chairman of this group. The technical information <sup>gathered</sup> generated by this study will be of value to future Weapons Systems Evaluation Group studies of the military worth of RW and of value <sup>in security</sup> to orient properly the current Department of Defense and Atomic Energy Commission research and development effort in this field.

*on AFSWP letter to Dr. Noyes stating the objective*

2. A copy of ~~the "Information and Instruction Directive"~~ <sup>attached</sup> to the <sup>of the</sup> Study Group and a copy of the "Outline of Topics to be Covered by the Group" are <sup>attached</sup>. It is planned that the first phase of the study consist of the preparation of papers by the individual members on sub-topics as indicated in the <sup>attached</sup> outline. If possible, these should be sent to the Secretary within two weeks after the <sup>receipt of</sup> member receives this letter. The Secretary will then assemble the sub-topic papers and send them, together with a summary of the results, to the members. After a suitable period of time for study, estimated at about two weeks, a

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meeting of the Study Group will be called to write the general conclusions and recommendations. ~~Additional meetings will be held, if necessary, but this is not anticipated.~~

3. It will be appreciated if \_\_\_\_\_ can be made available to prepare Item \_\_\_\_\_ of the <sup>inclusion</sup> ~~attached~~ outline for the study and to attend the meetings of the Study Group. The group plans to complete its work within approximately six weeks after receipt of this letter, ~~by the members.~~

Includes:  
2 Attachments

1. "Information and Instruction <sup>AFSUP</sup> Directive" to Study Group. Letter to Dr. W. A. Noyes, Jr.
2. "Outline of Topics to be Covered by the Group."