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CmlC Control Nr 2551-57-S)

DEPARTMENT OF THE ARMY
Office of the Chief Chemical Officer
Washington 25, D. C.

CMLWS

9 September 1957

SUBJECT: Report and Recommendations of Chemical Corps Advisory Council (U)

TO: Commanding General, U. S. Army Chemical Corps Research and Development Command, Washington 25, D. C.
 Commanding Officer, U. S. Army Chemical Center and Chemical Corps Materiel Command, Army Chemical Center, Maryland
 Commanding Officer, U. S. Army Chemical Corps Engineering Command, Army Chemical Center, Maryland
 Commanding Officer, U. S. Army Chemical Warfare Laboratories, Army Chemical Center, Maryland
 President, U. S. Army Chemical Corps Board, Army Chemical Center, Maryland
 Director, U. S. Army Chemical Corps Operations Research Group, Army Chemical Center, Maryland
 Commanding Officer, U. S. Army Chemical Corps Proving Ground, Dugway, Utah
 Commanding Officer, U. S. Army Biological Warfare Laboratories, Fort Detrick, Maryland
 Commanding Officer, U. S. Army Chemical Corps Training Command, Fort McClellan, Alabama
 Commanding Officer, U. S. Army Chemical Corps Field Requirements Agency, Fort McClellan, Alabama

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 By authority of Chief Chemical Officer
 By *[Signature]*
 Grade and Org. *[Signature]*
 Date SEP 22 1959

1. (U) Reference is made to letter and inclosure, subject as above, dated 19 July 1957, from Dr. Marquand to associate members. Except for deletion of references to specific contractors in recommendations 8, 9 and 12-57, that report can be considered in final form.
2. (S) Assignment of responsibility for appropriate implementation and report of status at the December meeting of the Council is indicated below for these recommendations.

ENGINEERING AND PRODUCTION COMMITTEE:

Recommendation No. 1-57: A study be made of the feasibility of contracting and manufacture of gages and inspection equipment rather than maintaining the present establishment in Materiel Command. (MATCOM).

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Recommendation No. 2-57: The Chemical Corps initiate an intensive study (two weeks if possible but no longer than one month) to review thoroughly the entire V-agent production program. The purpose of this review would be the establishment of major criteria to serve as a pattern in the development of each phase of the program from its current status to the operating stage. (OCCmLO). The Chemical Corps has requested funds to provide a 10 ton/day V-agent capacity by 1960, preferably in industry for strategic dispersal of CW agent production facilities.

Recommendation No. 3-57: Before any more money is spent, further thought be given to the over-all feasibility and relative merit of building BW plants into ships. (OCCmLO). The Chemical Corps Board is conducting a broad study on BW production plants.

PROTECTIVE COMMITTEE:

Recommendation No. 4-57: An active research program at Fort Detrick be continued on decontamination of personnel, clothing, shelters, and vehicles, this program to be coordinated closely with the work on CW decontamination carried on by Chemical Warfare Laboratories. Funds should be provided for the maintenance of a limited program. (RDCOM). It is noted that this program has been curtailed by RDCOM; this office raises no objection to such action.

Recommendation No. 5-57: A small scale development program on activated charcoal be maintained. (RDCOM).

Recommendation No. 6-57: Study be made of the possibility of replacing Whetlerite with activated charcoal in applications other than the service mask canister. (OCCmLO). As a result of such a study, Chemical Corps Technical Committee action is planned to state that the Chemical Corps policy is that activated charcoal will replace Whetlerite for Z.I. single purpose uses such as fixed installation filter units and Civil Defense masks.

Recommendation No. 7-57: The principles and fabrication of diffusion board panels and selected barriers be continued and extended, under IC priority at least. (RDCOM).

DISSEMINATION AND FIELD TESTING COMMITTEE:

Recommendation No. 8-57: The George Washington University contract be continued. (RDCOM). Delete reference to a specific contractor.

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Officer

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By J. R. Walsh
Grade and Org. Security Officer
Date 22 Sep 57

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Recommendation No. 9-57: Both the Detrick and Dugway Proving Ground contracts with Stanford University be continued. (RDCOM). Delete reference to a specific contractor.

Recommendation No. 10-57: An operational model for a toxic spray system, particularly for V-agents, be developed. (RDCOM).

Recommendation No. 11-57: A choice between the Flettner rotor and the small glide bomb be made prior to substantial work in fitting dissemination devices to these dispersing mechanisms. (OCCmLO). A proposal to concentrate work on the Flettner rotor is under consideration with an early decision expected.

Recommendation No. 12-57: The functions of the program management contract with Applied Research, Inc., not be allowed to usurp or trespass on the function of the Operations Research Group of the Chemical Corps. (OCCmLO and RDCOM). Coordination of the activities of ORG and the program management contract at BWL will be carefully monitored.

Recommendation No. 13-57: The Operations Research Group give priority to and complete Part 2 of Study 16. Also, the ORG give priority to their study on the concepts of the use of BW. (OCCmLO). Top priority task of ORG is the 1958 Evaluation. Portions of that task are applicable to BW use concepts and the Source Data Book.

MEDICAL COMMITTEE:

Recommendation No. 14-57: The planned enlargement of the facilities of the library of the Directorate of Medical Research be implemented as promptly as possible. (This recommendation is directed to the Commanding Officer, Chemical Warfare Laboratories). (RDCOM, CWL).

Recommendation No. 15-57: Budgetary restrictions on the Directorate of Medical Research, as well as other Directorates, be planned so as not to impair the over-all effectiveness of the research efforts in fields which are considered important. (RDCOM).

Recommendation No. 16-57: A concerted effort be made at Fort Detrick to confirm and extend the observations of Henderson at Porton on the survival and fate of anthrax spores in monkeys in such a way as to attempt to provide the basic information necessary to formulate a safe and reliable method of treatment for man. (RDCOM).

Recommendation No. 17-57: (OCCmLO).

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Officer *L. Walsh*

BY *[Signature]*
Grade and Org. Security Officer *[Signature]*
Date *22 Sep 57*

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AGENTS COMMITTEE:

Recommendation No. 18-57: Work on T.B. as a BW agent be dropped. (RDCOM). This office concurs in the action of RDCOM to stop work on T.B.

Recommendation No. 19-57: Every effort be made to implement the previous recommendation* to expand and maintain a substantial effort in the search for new chemical agents, effective by mechanisms other than cholinesterase inhibition. (RDCOM).

*Recommendation No. 40-56: The Chemical Corps expand and maintain a continuing and substantial effort in the search for new CW agents effective by mechanisms other than cholinesterase inhibition.

COUNCIL:

Recommendation No. 20-57: Action be taken to establish a practical Chemical Corps guided missile program which will give the field commander a realistic CBR capability, as follows:

a. Planning for development for chemical and biological warheads for guided missiles (including rockets) should be accomplished at the earliest possible date so that the warhead development schedule will be consistent with the guided missile development schedule. The new family of missiles, as well as missiles presently programmed, should be critically examined for consistency of scheduling.

b. Planning for chemical and biological warheads should include a complete target analysis and proposed military usage of each warhead recommended for development.

c. The number of chemical warheads which may be required in the field for the HONEST JOHN and LITTLE JOHN, and SARGEANT should be determined after the planning referred to in b. above is accomplished. (OCCmLO). The Chemical Corps does not at present have what might be called a separate guided missile program. Planning of development, use concepts, and logistics is integrated within the overall long range plans of the Corps. The Chemical Corps Board has made a study of the various missiles for which CW and BW warhead requirements are desirable, and the ACCmLO/P&D is taking action to secure requirements so that the projects may be pushed.

FOR THE ACTING CHIEF CHEMICAL OFFICER:

By authority of Chief Chemical Officer

By *J. Walsh*

W. G. WILLMANN and *Security Officer*

W. G. Willmann
Date *10/27/57*

W. G. WILLMANN
Lt Colonel, GmC
Asst to DCCmLO/Scientific Activities

cc furnished:
ACCmLO/P&D
Dr. Marquand

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