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1. Reference is made to RDB 210/2 dated 11 May 1949 requiring the CAE to recommend approval or modification of the estimated obligations for FY 1950 as submitted on 1 May 1949 by the Military Departments.

2. This Committee created a Working Group of its members to review the programs of the Military Departments in detail and to make recommendations to this Committee. This Group consisted of Mr. William Hosford, Chairman, General Nichols, Colonel Hinas, Admiral Ofstie, and General Wilson. This Working Group secured the consultant services of Dr. Noyes, Dr. Failla and the other members of the Instrumentation Panel, Dr. Boyce, Dr. Hafstad and General Nichols on the phases of the atomic energy research and development programs on which they are consultants. In addition, detailed factual information was made available by the Military Departments and used by the Working Group and the consultants with the result that this Committee considers that a thorough and competent review has been made.

3. The Committee on Atomic Energy considers that the estimated obligations in FY 1950 as submitted on 1 May 1949 by the Military Departments to the RDB are sound and recommends that the Chairman, RDB, approve them for obligation with the exception of the Nuclear Propulsion of Aircraft program (Technical Objective SA-18), and Long Range Detection Program (RDB Technical Objective IG-7), on which this Committee's recommendations are contained hereunder.

4. In reviewing the program for nuclear propulsion of Aircraft (RDB Technical Objective SA-18), the entire national effort of the AEC, the NME and the NACA was considered. In consultation with Dr. Hafstad, Chairman

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~~ATOMIC ENERGY ACT 1946~~

of a Board (consisting of representatives of these three organizations) created to direct this national effort, it was determined that a total national effort of 10.6 million dollars for FY 1950 is reasonable. Based on this review, the program of Nuclear Propulsion of Aircraft, for which 4.8 million dollars was included by the Air Forces FY 1950 and .460 million dollars by the Navy in their FY 1950 budgets, is recommended for approval for obligation in FY 1950 in the amount of 5.260 million dollars provided prior review and approval is obtained on proposed obligations by the Joint AEC-NME-NACA Board, and provided further that the obligation of these funds will not operate to increase the total obligations of the AEC, NME and NACA in FY 1950 above 10.6 million dollars, unless prior approval is secured from the RDB.

5. The program of Long Range Detection (RDB Technical Objective IO-7) included in the Air Forces FY 1950 budget in the amount of ten million dollars is recommended for approval for obligation in FY 1950 in the amount of 4.0625 million dollars provided any of this sum of money expended in support of the Long Range Wave Propagation projects is used only for advanced study purposes. Recommendation for approval of any part of an additional 5.3389 million dollars which has been planned for carrying the Long Range Wave Propagation projects of this program beyond advanced studies is withheld until the desirability of this phase of the program is further considered by the technical panel currently being formed and recommendations for approval thereof is secured from the CAE.

6. The CAE believes that thirty million dollars, the approximate total cost of research and development in the program of Long Range Detection (RDB Technical Objective IO-7) could be spent more wisely in

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other fields of research and development and recommends that the JCS be asked to review the desirability of this program in light of present day conditions. The approval by the CAE of the FY 1950 budgets is subject to this review.

7. There is no sum of money provided herein in support of a proposed program to provide facilities, equipment and housing at a Radiological Warfare Test Site.

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