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Memorandum M-2663

Division 6 - Lincoln Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts

SUBJECT: SECRET SUPPLEMENT TO BIWEEKLY REPORT OF JANUARY 29, 1954

To: Jay W. Forrester

From: Division 6 Staff

CLASSIFICATION CHANGED TO:
Auth: DD 254
By: RRG
Date: 5-5-60

(B. Smulowicz, H.D. Neumann) (SECRET)

A complete simulation of the F-99 interceptor performance has been programmed. A logical error in the program has been found and corrected. In order to test the program and to determine sensitive areas of performance, a preliminary run containing 200 tracks will be first attempted. As soon as the data tape is prepared, a more general simulation of 6000 typical tracks will be carried out. The results can be expected to provide the necessary quantitative background for the evaluation of the compatibility of the Bomarc missile with the Lincoln Transition System.

(B. Smulowicz, W.I. Wells) (SECRET)

Work is continuing on the evaluation of the improvement of tracking accuracy resulting from the use of radial velocity information available at the MTI radar sites. The theoretical work has been completed indicating a considerable improvement in the over-all accuracy of the system. More quantitative results will be available as soon as the considerable numerical work involved is completed.

M-2663
1-29-54

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