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Memorandum ~~M-3354~~

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Air Traffic Control Project
Servomechanisms Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts

SUBJECT: BI-WEEKLY REPORT, JUNE 9, 1950

1.0 GENERAL

(W. G. Welchman)

The provisional choice of values of system parameters referred to in the last bi-weekly report has been completed and the final form of flow diagrams for Summary Report 5 has been agreed. A list of abstracts of selected internal memoranda has been prepared and the bibliography of external literature, kept by David Israel on cards, is being slightly rearranged for inclusion in the report.

(W. K. Linvill)

Modified report on schedule following so that it can be used as an R-series report. Am continuing the study of considerations in the use of the digital computer in control problems which make its use preferable to the use of other devices.

(A. Orden)

Last summer's programming studies by Perlis and Orden were reviewed.

(D. R. Israel)

The first week of this period was spent on vacation. Work is now continuing on the completion of the fifth Summary Report. A description of the altitude scheduled descent program, determination of the values of parameters, completion of the flow diagram, and preparation of a bibliography are the items which have come under consideration. The determination of the values of several of the system parameters has been extremely revealing as to the shortcomings of the system, although the lack of a knowledge of the characteristics of winds have required that several simplifying assumptions be made. The progress of the past week indicates that a good deal more time could profitably be spent on further study of this particular ASA descent scheme.

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