

5673

Memorandum M-2057

UNCLASSIFIED
~~RESTRICTED~~

Page 1 of 1

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

SUBJECT: BI-WEEKLY REPORT, JUNE 23, 1950

1.0 GENERAL

(W. G. Welchman)

Two sections of Summary Report 5 took more time than had been anticipated. These were the section on track progress control and that on the choice of values of system parameters. The only section that still requires work is the one that outlines a computer program.

(W. K. Linvill)

I am continuing to study the feasibility of describing the computer as an element in a control system. J. M. Ham is considering a similar problem for the analog-type computer. Since both of us feel that, in the beginning stage at least, the familiar control concepts of bandwidth and noise level should be used, we hope to compare notes as the study progresses. E. J. Angels, of project Meteor, has the problem of using and storing data from missiles. There seems to be much similarity between his problem and one which arises in use of the computer in control. The problem is to characterize the noise level and delays associated with binary-to-analog conversion and the inverse.

(A. Orden)

The report on last summer's work on an artificial system of air traffic control was revised. It now consists of an E-note which summarizes the procedure and results, and an M series memorandum which gives the details.

(D. R. Israel)

Work has continued on the preparation of material for Summary Report 5. About one-half of my time has been spent in familiarization with the WWI block diagrams and details of computer operation.

UNCLASSIFIED

~~RESTRICTED~~