

~~RESTRICTED~~

6673
Memorandum M-2005

UNCLASSIFIED

Page 1 of 2

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

SUBJECT: BI-WEEKLY REPORT, May 27, 1949

1.0 GENERAL

(W. G. Welchman)

A draft has been prepared for our first Summary Report which is to cover the period up to April 25, 1949. This report refers to the work of the Applications Study Group and it was suggested that an Appendix to the report should indicate the type of problems that were discussed by the group. An Appendix has, therefore, been drafted which contains a brief explanation of the method of operation of the computer which it is hoped will be sufficient to enable the reader to understand the seven codes that are given as examples.

As was stated in the Bi-Weekly Report dated May 13, 1949, we want to prepare the ground for discussions with people who are not familiar with the computer codes that we use in this project. Past experience with visitors to this project has shown that a few examples of coding are very valuable at the start of a discussion about computer applications and it is hoped that the Appendix to our first Summary Report may prove useful in this way.

(P. Franklin)

Formulated one way of regulating the variable angular velocity of a beam by the density of aircraft to allow sufficient time for contact.

(T. W. Hildebrandt)

I have undertaken an investigation of telemetering radio equipment to obtain an idea of the type of radio techniques which may be applied to private line communication for the air traffic control problem.

(P. Rabinowitz and E. Reich)

A study on probability of clustering was started. Coding for a private line beam with alternative speeds was considered.

UNCLASSIFIED

~~RESTRICTED~~

~~RESTRICTED~~
UNCLASSIFIED

6673
Memorandum M-2005

Page 2

1.0 GENERAL (continued)

(A. M. Falcione)

Drawings for Project 6673

A block of drawing numbers have been assigned to this project starting with 45,000. All drawings for 6673 will be assigned to this group.

UNCLASSIFIED

~~RESTRICTED~~