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

SUBJECT: BI-WEEKLY REPORT, APRIL 14, 1950

1.0 GENERAL

(W. G. Welchman)

A little thought was given to problems arising from a visit to Raytheon on Monday April 3, but the greater part of the time has been spent on the preparation of the fifth Summary Report, due on April 25.

(C. R. Wieser)

Messrs. Forrester, Taylor, Everett, Welchman, and Wieser visited Raytheon to discuss radar systems with Messrs. R. C. Sanders, W. R. Mercer, and D. Blitz.

Reports (borrowed from Watson Labs) on pulsed radar for tracking while scanning are being studied.

(W. K. Linvill)

During the last two-week period I have continued the study of schedule control along a fixed path.

(A. Orden)

About half of the report on azimuth progress control has been written.

(D. R. Israel)

A description of the Conference on Automatic Computing Machinery at Rutgers University was prepared in conjunction with C. W. Adams. This has been distributed as M-1020.

Work continued on the preparation of a bibliography of Air Traffic Control material which will accompany Summary Report 5.

A study of altitude scheduled approach schemes continues. Two possibilities are immediately evident -- one which employs a track-

1.0 GENERAL

(D. R. Israel) -- continued

change provision (see E-2009), the second which uses a speed-change procedure. An overall system employing the latter scheme is now being carefully studied in preparation for programming. Random approaches will be considered, and the program of speed reduction will depend upon the individual characteristics of the aircraft.