Digital Computer Laboratory
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

SUBJECT: BIWEEKLY REPORT, AUGUST 21, 1953

To: Jay W. Forrester

From: Scientific and Engineering Computation Group

During the past biweekly period the staff of the Scientific and Engineering Computation group has been almost wholly occupied with the development and description of an experimental computer logic. Called the Summer Session Computer because it will be used in teaching the two week Summer Session course in Digital Computers and Their Applications (M.I.T. subject number 6.539), this "computer" is being physically realized by means of interpretive routines for programmed extra precision and floating point arithmetic, cycle counting, input and output, together with conversion program and elaborate mistake recognition and post mortem facilities. Work on this system was started in June and has been the responsibility of Messrs. Rotenberg, Finkelstein and Gill since that time. The completion of the system and the description of it have required the joint effort of the entire group. During the next two weeks (Aug. 24 - Sept 4) much of the group will be temporarily attached to the Summer Session staff for presentation of the course.

A limited amount of regular computation work has been carried on, but reports on this activity will be deferred until the Summer Session is completed and the staff returns to normal routine.

Adams

COMPUTER TIME REPORT

Total Hours Available	59 hours, 49 minutes
Total Hours Used	58 hours, 05 minutes
Total Hours Lost	1 hour , 44 minutes
Percentage	97%
Number of Programs Run	219
Total Time Used for Programs	44 hours, 14 minutes
Total Time Used for Conversions	11 hours, 49 minutes
Total Time Used for Demonstrations	31 minutes