SUBJECT: GROUP LEADERS' MEETING, October 26, 1953

To: Group Leaders

From: David R. Brown

Date: October 28, 1953


Agenda: 1. ADC Visit During the Week of October 12
2. South Truro Radar
3. Plans for Demonstration of the Cape Cod System on October 29
4. Information for IBM Administration
5. ADA Visit on October 27
6. IBM Core Testing Program
7. AN/FSQ-7 Display
8. Security
9. Ferrite Research and Development at IBM
10. IBM Time Schedules
11. AN/FSQ-7 Tube Program

1. ADC Visit During the Week of October 12

The ADC visit during the week of October 12 (reported at the previous Group Leaders' Meeting, Memorandum L-122) has resulted in some revision of the Cape Cod Program. More of the planning has been placed in the hands of Division 6. As a result of this, the priority on the buffer drum has decreased and the priority on the Mark X Beacon and the display system has increased.

2. South Truro Radar

Wieser and H. Bohmer visited the South Truro radar site on October 23. This is an early FPS-3 and has not been running satisfactorily. Continued systems work will be required to eliminate the ups and downs now encountered in performance. MTI is available on the lower beam and performed well on October 23. MTI is needed on the upper beam as well. Continued work on the system should yield the consistent performance desired.

3. Plans for Demonstration of the Cape Cod System on October 29

The demonstration is scheduled to take place between 9:30 am and 1:00 pm and will include an introductory talk in Room 250.
the equipment in the operations room with lights on, a return to Room 250
for a more detailed discussion followed by a view of the operating system
in the operations room. The demonstration will be followed by lunch and
discussion for those who wish to stay into the afternoon.

4. Information for IBM Administration

Information concerning top-level planning for the Lincoln System
has been reaching the IBM administration more through the New York Times and
New York Herald Tribune than through the Air Force or the Lincoln Laboratory.
Correct top-level information should be transmitted to the IBM administration.
Some of this can be accomplished during the Lincoln Laboratory Steering
Committee's visit to IBM tentatively scheduled for November 5 and 6. However,
higher-level contacts with the Air Force will be required.

5. ADA Visit on October 27

Mr. C. A. Smith and Mr. R. A. Sidur from Bell Telephone Laboratories
and Western Electric will be here October 27 and 28 to discuss the use of digital
computers in an air defense system, switching, redundancy, etc. Those partici­
pating in the discussion will include Taylor, Everett, and Forrester. Messrs.
Smith and Sidur will talk with other groups at the Lincoln Laboratory and also
with IBM.

6. IBM Core Testing Program

Two semiautomatic core testers are now in operation at High Street
and two more will be in operation by November 15. This test equipment is
expected to test cores at the rate required to obtain enough cores for one
memory bank by January 1 as originally scheduled.

Taylor discussed the problems of planning and scheduling the
Project High program with Mr. R. Palmer at Poughkeepsie. Mr. Palmer believes that
MIT should assist in the management of the project. With our help and parti­
cipation, the sense of planning will improve at IBM.

7. AN/FSQ-7 Display

Forrester, Everett, Wieser, Taylor, and others are to discuss the
flexibility of the display system on October 27.

8. Security

A system for eliminating some of the flaws in the system used
at the present time for keeping track of classified documents will be presented
by Proctor at the next Group Leaders' Meeting.
9. Ferrite Research and Development at IBM

Dr. L. Hunter and Dr. J. Little at IBM are carrying out a program of ferrite research and development under subcontract with Project High. The basic research under Dr. Hunter is making slow progress. Dr. Little's program to develop production techniques for ferrite memory cores is now underway and some cores have been made using equipment already available. At the present time, Little has two assistants and is seeking two more.

10. IBM Time Schedules

Dodd visited Poughkeepsie on October 21 and 22 to discuss time schedules with R. Crago and R. Whitehorne. Time schedules are available from the group leaders, but no standard format is used and there is no coordinating center. These time schedules varied considerably in detail but in general did not have check points at sufficiently short intervals. Production time schedules were not discussed. Dodd will return to Poughkeepsie during the week of October 26 to continue the study of time schedules at IBM. Recommendations will be made later.

11. AN/FSQ-7 Tube Program

Project High has let two contracts for reliable-tube development. General Electric, working on one of these, has assigned a good man to the job and is doing good work. Production has started on some small lots of improved 5665's. Because of a lack of manpower in J. Gest's group at IBM, Division 6 will have to do more work for the tube program.

Signed       ____________________________
               David R. Brown
               Secretary

DRB/jk