

~~CONFIDENTIAL~~

UNCLASSIFIED

Page 1 of 3

Memorandum L-124

Division 6 - Lincoln Laboratory  
 Massachusetts Institute of Technology  
 Cambridge 39, Massachusetts

7  
1

CLASSIFICATION	REMOVED TO:
Auth:	DD 234
By:	DE
Date:	3-15-60

SUBJECT: GROUP LEADERS' MEETING, October 26, 1953

To: Group Leaders

From: David R. Brown

Date: October 28, 1953

Present: Jay W. Forrester, D. R. Brown, S. H. Dodd, R. R. Everett,  
J. C. Proctor, N. H. Taylor, C. R. Wieser, and P. Youtz

- 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-123) 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, an explanation of

~~CONFIDENTIAL~~

SECURITY INFORMATION UNCLASSIFIED

~~CONFIDENTIAL~~

Memorandum L-124

Page 2 of 3

UNCLASSIFIED

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 participating 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 participation, 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.

~~CONFIDENTIAL~~

SECURITY INFORMATION

UNCLASSIFIED

~~CONFIDENTIAL~~

Memorandum L-124

UNCLASSIFIED Page 3 of 3

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/FSC-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 5965's. Because of a lack of manpower in J. Goetz's group at IBM, Division 6 will have to do more work for the tube program.

Signed

David R. Brown

David R. Brown  
Secretary

DRB/jk

~~CONFIDENTIAL~~

SECURITY INFORMATION UNCLASSIFIED