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Memorandum 6L-168

Division 6 - Lincoln Laboratory
 Massachusetts Institute of Technology
 Lexington 73, Massachusetts

SUBJECT: GROUP LEADERS' MEETING, OCTOBER 11, 1954

To: Group Leaders

From: David R. Brown

Date: October 13, 1954

Present: R. R. Everett, D. R. Brown, S. H. Dodd, A. P. Kromer,
J. C. Proctor, N. H. Taylor, and C. R. Weiser

- Agenda:
1. Division 6 Space
 2. Air Force Exhibit for the Production System
 3. Direction Center and Combat Center Building Plans
 4. Group 63 Memory Cores
 5. IBM Memory Core Production
 6. IBM Ferrite Research
 7. IBM Commercial Advanced Development
 8. Duplex Central Parts List
 9. Costs of Replacements and Improvements in AN/FSQ-7
 10. Areas of Responsibility in the Lexington Installation
 11. Travel
 12. Test Equipment
 13. Lamplight Study Group

1. Division 6 Space

Plans now call for the addition of 170 personnel to the present total of approximately 400 personnel for Division 6. This increase in personnel is necessitated by our increased system responsibilities. Additional space will also be necessary if these responsibilities are to be carried out.

Before a long-range solution can be found, some steps must be taken to alleviate the critical situation now existing in Groups 62 and 64. S. H. Dodd, A. P. Kromer, and N. H. Taylor will go over building plans to see what temporary arrangements can be made. Some space in Group 61 may be used on a temporary basis.

2. Air Force Exhibit for the Production System

Submission of Air Force Exhibit No. 17 for the production system had been anticipated for January 1, 1955. The Joint Project Office in New York has asked for submission of the exhibit at an earlier date. The present draft must be reviewed by Group 64 and IBM during the next few weeks so that it can be submitted during the first part of November.

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3. Direction Center and Combat Center Building Plans

Air Force representatives responsible for Air Force buildings are reviewing plans for the Direction Center and Combat Center to see what economies can be made. No significant changes will be made from a functional standpoint but it appears that significant savings in cost can be achieved. Meetings are scheduled for October 14 and 19.

The Combat Center building plans must be reviewed with ADC so that they can be released by November 1.

4. Group 63 Memory Cores

The ferrite-memory-core pilot plant in Group 63 is now making cores in quantities sufficient for the construction of several 64 by 64 memory planes and one 256 by 256 memory plane. These cores appear to be superior to General Ceramics' cores in all respects. Signal ratios appear to be improved by about 25 per cent and current margins are somewhat wider. Continued pilot production of these cores may be desirable for experimental memory development. General Ceramics Corp. has received samples of these cores. General Ceramics is concerned that it is unable to make cores of this quality.

5. IBM Memory Core Production

A memorandum from G. F. Vermilyea of IBM's Tool Engineering states that the ferrite memory core should be changed from a purchased part to an IBM manufactured part on October 15 when the IBM ferrite-core-manufacturing facility is expected to be put into operation. The memorandum also states that the balance of the order with General Ceramics for memory cores for production machines should be cancelled. Project High recognizes the inadvisability of this procedure and will advise against it at the present time.

N. H. Taylor will discuss this with C. F. McElwain.

6. IBM Ferrite Research

D. R. Brown, J. B. Goodenough, and F. E. Vinal will attend an all day meeting in Poughkeepsie on October 20 to discuss ferrite research supported by Project High and carried out in L. P. Hunter's research department.

7. IBM Commercial Advanced Development

H. P. Edwards is arranging for 12 representatives of Lincoln Laboratory to tour IBM's Commercial Advanced Development Project and meet with IBM staff members participating in this development. D. R. Brown is preparing the list of Lincoln Laboratory representatives. The tour is planned for late October or early November.

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9. Duplex Central Parts List

In its discussions with H. H. Taylor, IBM has questioned some items on the duplex central parts list. IBM states that more money will be required if these items are included. A meeting to discuss this is scheduled for the week of October 11.

9. Cost of Replacements and Improvements in AM/FBQ-7

Evidently IBM had not included in its budget funds for replacing components to improve quality or maintaining an engineering activity to incorporate improvements in production FBQ-7's. IBM plans to request the Joint Project Office for an additional seven million dollars for four years to provide for these improvements. III is asked to support this request.

10. Areas of Responsibility in the Lexington Installation

No definite assignment of responsibility for control of AM/FBQ-7 (XD-1) in Lexington has been made. The decision is being delayed to prevent the development of friction between III and IBM. III control of XD-1 for system testing is regarded as essential. H. H. Taylor will discuss this with H. G. Ross and W. L. Jackson.

11. Travel

Three requests for reimbursement of travel expenses to the Bedford Airport have been rejected by the D.D.M. Fiscal Office. M.I.F. cannot reimburse personnel for travel to and from their place of work. Special circumstances arising from trips of more than one day's duration may require special treatment. Lincoln Laboratory staff members living in Northampton are doing so at considerable personal inconvenience. Their expense accounts should be handled so as to cause them the least possible inconvenience.

12. Test Equipment

Over 100 units of Burrough's test equipment have been transferred from Group 2h to Division 6. These units are being held by Division 6 for future use in the XD-1 program and the Building 10 program.

13. Lamplight Study Group

The purpose of the Lamplight study group is to study such subjects as the Navy's part in air defense, early warning, the distant air battle, etc. The group has received briefings at Norfolk Navy Yard and the Pentagon. The main work of the study group begins during the week of October 11 at the Lexington Field Station and will continue for three to four months. The study will be summarized in a final report.

Signed

David R. Brown

David R. Brown
Secretary

DRB/djs

cc: A. F. Kromer
W. K. Lindell

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