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

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SUBJECT: GROUP LEADERS' MEETING, March 1, 1954

To: Group Leaders and W. K. Linvill

From: David R. Brown

Date: March 3, 1954

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

- Agenda:
1. Paging System for Lexington Laboratories
 2. Location of Stockroom in Lexington Laboratories
 3. Security
 4. Research Assistants and Development of New Techniques
 5. Installation of FSQ-7 Prototypes
 6. IBM Time Schedules
 7. Tube Development at Convair and Hughes
 8. Bell Laboratories Analysis of Cape Cod System
 9. Selective Service
 10. Tape-to-Printer Converter
 11. Industrial Liaison Office Conference on Business Applications

1. Paging System for Lexington Laboratories

Paging and telephone systems similar to the systems now used in the Whittemore and Barta Buildings will be planned for the Division 6 areas in the Lexington Laboratories. Group 60 will prepare a layout of loud-speakers, seeking an arrangement which will not necessitate placing a loud-speaker in each room. Unfortunately, the operator of the paging system will have no way of knowing of whether or not any given individual is in the building.

2. Location of Stockroom in Lexington Laboratories

Most Division 6 engineers are expected to use the open Lincoln Laboratory electronics stockroom on the second floor of Building B. A Division 6 electronics stockroom, to be used primarily by Division 6 shops, will be located on the first floor or basement of Building D. An open stockroom might be located on the first floor with additional storage in the basement. If space for a stockroom is not available on the first floor, the entire stockroom could be located in the basement. Approximately 1,700 square feet would be required.

Temporary storage for materials to be used in Building F is also required, approximately 2,000 square feet. This material may be placed

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in the basement of Building D and that area converted to a stockroom after the material is moved to Building F.

3. Security

Thirty-seven documents from outside laboratories, many of them classified Secret, have been lost from Group 61. The loss occurred before use of the classified document log was instituted.

Several measures will be taken to improve security. The Lincoln Laboratory Security Office will take responsibility for our guard system at the Barta and Whittemore Buildings. Additional guards will be stationed in the reception rooms and the proper use of pass-out slips will be enforced. J. C. Proctor will re-examine the security situation in Division 6 and discuss the matter with R. L. Wright. It may be necessary for occupants of Barta Building offices to lock their filing cabinets before leaving the room during the day, even for short periods of time.

4. Research Assistants and Development of New Techniques

The following Research Assistants will probably be located in Building 10 after Division 6 moves to Lexington: D. Buck, M. Epstein, J. Fergie, R. Jenney, E. Widro, F. Sarles, G. Davidson, I. Martin, and A. Zacharias. In addition, Division 6 will take from six to twelve outstanding Research Assistants next fall to work in Building 10. D. R. Brown is expected to work half time assisting in supervision of the Building 10 group. The technical program for the group, which should not be limited to magnetic-core circuit development, will be discussed at the next Group Leaders' Meeting.

T. H. Meisling, if he joins the laboratory, should work for a period in the Lexington Laboratories before joining the group in Building 10.

5. Installation of FSQ-7 Prototypes

A. E. Quick of Project High's Engineering and Planning Group will be IBM's representative for installation of FSQ-7 prototypes. S. H. Dodd and A. E. Quick will work together to coordinate relationships with Francis Associates. Dodd will direct Francis Associates for the Lexington installation and Quick will direct Francis Associates for the Plant 2 installation and air cooling problems within the computer equipment. H. Wainwright and W. Ayer may represent Dodd in dealing with Francis Associates. Quick will maintain close liaison with Project High and IBM engineers working on the prototype installation in Poughkeepsie. He will maintain close contact with Project High's Engineering Design Office. Quick will also work on the layout of the buildings in Kingston and work with Western Electric on production buildings.

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Careful consideration must be given to the installation of interframe cabling of FSQ-7 (XD-1) to determine which parts of the job should be done by trade-union electricians and which part should be done by system technicians.

6. IBM Time Schedules

Project High has assigned an additional man to work on time schedules and plans to issue the current set of detailed time schedules. In addition, revised time schedules for the central computer and memory have been prepared in an effort to get back on the original schedule. Project High has been authorized to hire 133 new engineers, 80 of these to work on prototype design.

7. Tube Development at Convair and Hughes

T. A. Burke, E. Keedy, and P. Youtz visited Convair during the week of February 22 to obtain information necessary for Air Force approval of the Charactron development contract.

During the same week, P. Youtz and N. Edwards spent some time at Hughes Laboratories discussing technical progress in development of the Typotron. Some improvements have been incorporated and one of the new Typotrons has been turned over to C. Corderman for tests here. Hughes has excellent tube production facilities and is doing a good job in Typotron development. They are not interested, however, in making 5-inch Charactrons. A new estimate of the cost of the Typotron, \$750, is considerably below the earlier figure of \$1,800. Hughes is doing some work on the development of color Typotrons and has a two-color tube which provides green and yellow characters on a black background.

8. Bell Laboratories Analysis of Cape Cod System

A group from Bell Laboratories spent two days here during the week of February 22. This was the second visit by this group which is making a study and evaluation of the performance of the Cape Cod System. Their objective is the extrapolation of system performance by the use of simulation programs on WWI. Approximately 25,000 to 50,000 simulation runs are desired to be verified by from 25 to 200 live tests.

9. Selective Service

Project High has three engineers about to be drafted and has asked what can be done to have these men reassigned to the project. No commissions appear to be available at the present time, but some possibility exists for having enlisted men assigned to the laboratory.

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10. Tape-to-Printer Converter

IBM has submitted a proposal for the rental of equipment for tape-to-printer conversion for use with EQ-7 (XD-1). C. R. Wieser will evaluate this proposal so that Forrester can prepare a reply.

11. Industrial Liaison Office Conference on Business Applications

The Industrial Liaison Office is to sponsor a conference on business and control (non-military) applications of computers on April 5 and 6. C. W. Adams and W. K. Linvill are organizing the conference. Some Division 6 staff members will participate.

Signed

David R. Brown
David R. Brown
Secretary

DRB/jk

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