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Memorandum L-162

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

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SUBJECT: GROUP LEADERS' MEETING, August 16, 1954

To: Group Leaders

From: David R. Brown

Date: August 18, 1954

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

- Agenda:
1. Space
  2. IBM
  3. Concurrence
  4. ADES
  5. Liaison
  6. New Schedule for TM-20 Revision
  7. Typotron

1. Space

Expanding Division 6 activities are becoming badly overcrowded. The situation of the duplex-central planning group is most critical at the moment, but several other necessary demands on space can be foreseen. A study of the space situation in Division 6 should be made to serve as a basis for a more equitable space distribution.

A proposal to expand the telephone switchboard equipment in such a way as to eliminate the Group 62 conference room was discussed. The conference room is badly needed. Some other way of expanding the telephone equipment should be found if at all possible.

The shortage of Division 6 space should not cause us to diminish our recruiting effort. S. H. Dodd, A. P. Kromer, and N. H. Taylor need engineers.

2. IBM

C. F. McElwain visited Project High in Poughkeepsie on August 9 to ask for stronger liaison between Project High and MIT. J. M. Coombs and R. Crago report that one member of the IBM Engineering Design Office plus two or three others will stay in Lexington to provide this liaison. J. Schritz will come right away to work in the Production Control Office. Project High activity has been reorganized so that H. D. Ross is now responsible for AN/FSQ-7(XD-1) and (XD-2), M. V. Astrahan is responsible for the production machine, and N. Edwards is responsible for service engineering and advanced development.

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On the FSQ-7 test floor in Poughkeepsie, the program element, instruction control, test memory, and a mock-up maintenance console are operating satisfactorily. These units comprise a large enough portion of the computer to perform some operations and provide a good check on the basic circuits. Division 6 engineers are participating in these tests.

G. Cullen has been appointed manager of the Kingston plant.

During the week of August 9, N. H. Taylor found, during discussions with J. M. Coombs and C. Lynch, that C. F. McElwain's new position in the Project High organization had not been made known. A letter has been sent from the Vice President of Engineering to R. L. Palmer and from the Vice President of Production to W. Maier stating that J. M. Coombs and W. Maier will work together under C. F. McElwain on the FSQ-7 program. No public announcement is planned. C. F. McElwain's new position is regarded as an additional coordinating function, not a change in organization.

### 3. Concurrence

MIT has asked IBM for concurrence on a number of items to be released to ADES. Some items, such as lighting and building requirements, do not directly concern IBM and will be sent to ADES without IBM concurrence. On some other items, such as the first-floor layout, IBM has asked for additional time.

ADES is anxious to get final information on equipment layout so that building plans can proceed. I. Lyons from ADES will be here on August 18 to discuss the direction-center command post. A strong effort should be made to give ADES more information on the building layout at that time. We should make every effort at this time to give ADES enough information so that the architects can proceed to work on a plan which will allow adequate flexibility for terminal equipment, maintenance equipment, etc.

### 4. ADES

During a meeting at the New York Joint Project Office, during the week of August 9, USAF and AMC indicated that they did not want ADES to take responsibility for supplementary programs such as gap fillers, heavy-radar development, etc. ADES would be limited to work on the direction center itself, but kept informed on other developments. No definite decisions were reached.

A meeting was held on August 12 at Rome with the AMC on supply and maintenance for the FSQ-7 program. AMC plans initially to carry out the maintenance program on a contract basis. ADES and IBM representatives will be here on August 17 to discuss the supply and maintenance program to be carried out by IBM. A. P. Kromer will call J. Zollinger to see if IBM wants to send additional representatives to this meeting.

### 5. Liaison

C. Smith is to represent Bell Telephone Laboratories here. Western Electric will also send a representative.

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6. New Schedule for TM-20 Revision

ADC and the Lincoln Laboratory are cooperating closely on the revision of TM-20. ADC's initial draft has been reviewed here and ADC is reviewing those parts of the new report which have been prepared by Lincoln Laboratory. More time will be required to prepare the first official draft. It is scheduled to be sent to the printers on September 21.

7. Typotron

Hughes has indicated some reluctance to make improvements in Typotron design suggested by the Lincoln Laboratory, since they are working on a fixed-price contract. The major improvement is one to provide better alignment of characters. We should determine how bad the alignment is with the present design and, whether or not the present design is acceptable. If it is not acceptable, the use of Charactrons for the DID should be considered. In any case, an effort to incorporate the improvements should be made. H. H. Taylor and P. Youtz will discuss these matters with Hughes during the week of August 16.

Signed

*David R. Brown*  
David R. Brown  
Secretary

DRB/jk

cc: A. P. Kromer  
W. K. Linvill

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