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Memorandum L-160

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

SUBJECT: GROUP LEADERS' MEETING, July 26, 1954

To: Group Leaders  
From: David R. Brown  
Date: July 27, 1954

Present: J. W. Forrester, D. R. Brown, S. L. Dodd, A. P. Kromer, and N. H. Taylor

- Agenda:
1. IBM
  2. AN/FSQ-7(XD-1)
  3. Transition System
  4. Building 10 Program
  5. Staff

1. IBM

Group 62 has accepted responsibility for the combined-frame testing of FSQ-7(XD-1) in Poughkeepsie. N. H. Taylor, with ten MIT systems engineers, expects to work in Poughkeepsie, with ten IBM engineers, to carry out the combined-frame testing.

N. H. Taylor discussed the ferrite-memory-core situation with General Ceramics' C. L. Snyder in Poughkeepsie during the week of July 15. IBM has not yet decided whether it will order cores for a 3-month or a 6-month period. However, satisfactory progress is being made toward the placement of an order for memory cores for the first production FSQ-7's.

N. H. Taylor has learned that the Air Force Auditor for Project High is costing IBM considerable time and money because of his insistence on justification and accountability for even the smallest, most insignificant items.

C. F. McElwain and J. Zollinger will see J. W. Forrester on July 26 to discuss unsatisfactory aspects of the Project High program and some possible reorganization of the project. Announcement of any reorganization is expected to be related to an announcement of the administration for the new Kingston plant.

H. D. Ross and W. L. Jackman are possible IBM representatives for the FSQ-7(XD-1) installation in Lexington. N. H. Taylor feels that any of the members of the IBM Engineering Design Office would be satisfactory representatives. The IBM representative would need an adequate office here.

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including secretary, draftsmen, etc. His office would originate and assign priority to changes for the production machines.

The MIT Systems Office is being bypassed by some members of Groups 60 and 61 dealing with IBM. All staff members should recognize the importance of coordinating relationships with IBM through the Systems Office. If necessary, the Systems Office organization will be expanded and strengthened to make it function more efficiently.

## 2. AN/FSQ-7(XD-1)

The size of some of the parts of AN/FSQ-7 has increased to the point where increased size is necessitating revision of building plans. Before revision of building plans is proposed, the equipment itself should be reexamined. The marginal checking frames in particular seem larger than necessary. Recent proposals to increase their size should be reviewed. S. H. Dodd will see J. J. Gano and G. F. Sandy.

The mock-up display console received generally favorable comment. Colonel E. F. Carey thought that four inches could be removed from the height. If this change is possible, it should be made.

Plans for Building F now call for excavating the basement.

J. W. Forrester has requested that telephone planning for XD-1 be coordinated with representatives of our Systems Office and that telephone planning for the Transition System be coordinated with A. P. Kromer's office. For XD-1 we should consider putting all telephone equipment in Building F, perhaps in the basement.

## 3. Transition System

The first draft of the revised version of TM-20 is being reviewed by an editorial board. On August 3, ADES and representatives of other interested organizations will meet in Lexington to review the new edition. Also scheduled for that date is a meeting with ADES on the direction-center building, power, etc.

On July 27 and 28 the Lincoln Laboratory Joint Services Advisory Committee meets to consider recent progress and what the military services can do to help the Lincoln Laboratory. J. W. Forrester will mention the draft situation.

A meeting on July 29, which will include representatives of the Bell System, will consider telephone lines for the Transition System and J. Arnov's proposal for connecting radar sets to direction centers. One radar set may be connected to a number of direction centers. This does not increase the amount of radar data, it increases the number of radars tied to a particular computer.

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Building plans for the combat operation center are to be frozen in October. P. Rodgers is making a study of the display. This may be a six-foot-square projected display rather than a very large display as originally proposed.

4. Building 10 Program

D. R. Brown and W. K. Linvill are working on a proposal for the Building 10 research program. J. W. Forrester asks that this include D. R. Israel's proposal for having Research Assistants work on air traffic control.

5. Staff

S. L. Dodd and N. H. Taylor will discuss manpower for FSC-7(XD-1) and the duplex center program. They will consider how best to use staff being released from WWI. The WWI program must not be neglected. Some good young engineers should be transferred to WWI for systems training.

J. H. McCusker is now working with MEC.

Signed

David R. Brown  
David R. Brown  
Secretary

DPB/jk

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

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