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Memorandum L-161

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Page 1 of 2

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

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SUBJECT: GROUP LEADERS' MEETING, August 2, 1954

To: Group Leaders

From: David R. Brown

Date: August 9, 1954

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

- Agenda:
1. Ferrite Memory Cores
  2. Engineering for Production AN/FSQ-7's
  3. Maintenance and Spare Parts for Production AN/FSQ-7's
  4. Army Hill System
  5. Revision of TM-20
  6. Joint Project Office
  7. IBM

1. Ferrite Memory Cores

On July 23, IBM telephoned General Ceramics that an order would be placed for 840,000 ferrite memory cores to be delivered at a rate of 140,000 cores per month for the first production AN/FSQ-7's.

The Group 63 pilot plant for ferrite memory cores is now back in operation. An attempt to make enough cores for the first 256-by-256 memory plane is planned.

2. Engineering for Production AN/FSQ-7's

Many changes suggested for the prototype FSQ-7's have been postponed, to be incorporated in production machines. Because of the present tight time schedule, however, very few of these changes can be considered for the first production machines. Desirable but nonessential changes are being postponed. Because of uncertainty about maintenance equipment, all possible useful signals have been brought to the central maintenance area. This situation should be reviewed and someone begin work now to incorporate desirable changes in the third production machines. An early statement of the different changes being considered should be circulated for comments whatever the status of the different changes may be. At least three categories of changes should be noted: (1) mandatory retroactive changes, (2) changes retroactive but not urgent, and (3) desirable changes. The Systems Office should be kept fully informed.

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Memorandum L-161

Page 2

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3. Maintenance and Spare Parts for Production AN/FSQ-7's

A meeting was held on August 2 in New York with IBM and Air Force representatives to discuss maintenance and spare parts. Another meeting will be scheduled for a later date. IBM has indicated it is willing to supply contract maintenance for FSQ-7's. A logistical support program should be undertaken with MIT chairmanship. ADES would be expected to carry out most of the program.

4. Army L11 System

The Director of the Evans Signal Laboratory has asked that the Lincoln Laboratory design an experiment for testing the Army's L11 System.

5. Revision of TM-20

The first draft of a revised TM-20, "A Proposal for Air Defense System Evolution--The Transition Phase," is to be prepared by August 10. ADC is writing the body of the new report and the Lincoln Laboratory is writing the appendices. A conference will be held on August 24 to discuss the draft. All comments are to be submitted by September 7 so that the final draft can go to the printers on September 16. This will probably be a joint ADC-Lincoln Laboratory publication.

6. Joint Project Office

Jack Arnow will be our representative at the Joint Project Office in New York. He will spend one or two days per week there. Colonel Osgood has asked that we have continuous representation. Another representative may be appointed.

7. IBM

J. W. Forrester has seen C. F. McElwain to discuss consolidation of the management of the AN/FSQ-7 program. Beginning August 9, McElwain will devote approximately 90 percent of his time to managing the FSQ-7 program and will be in Poughkeepsie most of the time to represent both engineering and manufacturing. Weekly meetings to discuss the status of the program will be held, attended by C. F. McElwain, J. Frasier, J. M. Coombs, R. Crago, the head of the Kingston plant, N. H. Taylor, and others. S. H. Dodd will take part in some meetings.

IBM will have strong representation here for AN/FSQ-7(XD-1) maintenance, technical aspects, design changes, and the production control office. The representatives will be men from the IBM Engineering Design Office or men of equivalent stature.

Signed

*David R. Brown*  
David R. Brown  
Secretary

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