Memorandum L-112

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

SUBJECT: GROUP LEADERS' MEETING, August 3, 1953

To: Group Leaders

From: David R. Brown

Date: August 3, 1953

Present: C. W. Adams, D. R. Brown, S. H. Dodd, R. R. Everett, N. H. Taylor, C. R. Wieser, and P. Youtz

Agenda: 1. Charactron for FSQ-7 Display
2. Magnetic-Core Memory for WWI

1. Charactron for FSQ-7 Display

A study of display devices for FSQ-7 by both the IBM and MIT display sections has resulted in a strong recommendation that the Charactron be adapted for use in FSQ-7. Current density is high and excellent characters are obtained. No 16-inch tubes have been built yet, but the designers of the tube believe this can be done without difficulty. The speed of the Charactron, 15,000 characters per second, would be adequate for most characters, but vectors would be a problem. A second gun might be necessary for the generation of vectors.

Serious consideration should be given to the proposal for use of the Charactron in FSQ-7, and XD-1 in particular. P. Youtz and C. Corderman should participate in the evaluation. A trip to Convair in San Diego might be arranged to follow a conference here with R. vonBuelow.

2. Magnetic-Core Memory for WWI

The MTC memory is being transferred to WWI on August 5. Plans for all circuit changes have been completed and a majority of the circuit changes in WWI have been accomplished. No major problems have been encounted and the MTC memory is expected to be operating in WWI soon, probably before August 14. It will be installed between E row and A row and can be operated to replace either bank of electrostatic storage, or neither.

The second bank of magnetic-core storage will take a longer time. Seventeen planes must be assembled and some electronic circuits must be constructed. Most construction will be complete by September 1. The memory planes will be constructed and tested by September 15. An operating system with two banks of magnetic-core storage is expected by October 1.

Signed David R. Brown
David R. Brown
Secretary

DRB/jk