

Memorandum L-76

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Page 1 of 2

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1

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Digital Computer Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts

SUBJECT: GROUP LEADERS' MEETING, DECEMBER 29, 1952

To: Group Leaders

From: David R. Brown

Date: December 30, 1952

Present: J. W. Forrester, D. R. Brown, S. H. Dodd, R. R. Everett, H. Fahnestock,
N. H. Taylor, P. Youtz

- Agenda:
1. Space in Lexington
 2. Visit on January 7, 1953
 3. Magnetic Core Development
 4. Publications

CLASSIFICATION CHANGED TO:
 Auth: *DDJ*
 By: *RL*
 Date: *3-15-60*

1. Space in Lexington

At present the whole space and budget question for the Lexington Laboratory is confused and will not be clarified before February. We are sure that a large percentage of Division 6 will not move to Lexington and that we will keep all of our present space in the Barta and Whittemore Buildings. The question of space for the Whirlwind II Prototype must also be considered. In any event, no move to Lexington will be possible until the middle of January, 1954.

2. Visit on January 7, 1953

A visit by a group from Western Electric or the CAA to the laboratory on January 7, 1953 may require a computer demonstration. Dodd will check with Forrester on December 31.

3. Magnetic Core Development

Brown discussed the status of cores for MTC. General Ceramics has not been shipping cores during the last two weeks and we are now behind schedule so that the deadline of January 31, 1953 probably will not be met. General Ceramics has now resumed production of cores for MTC using both the hand press and the Stokes automatic pill press. We are still confident that ferrite cores satisfactory for MTC will be obtained. We now have approximately 6,000 tested cores satisfactory for MTC.

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SECURITY INFORMATION

Memorandum L-76

~~CONFIDENTIAL~~ of 2

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We now have equipment for pulse testing memory cores located at General Ceramics, Magnetics Inc., and Laboratory for Insulation Research. Next week we will set up equipment at the RCA Victor ferrite plant in Camden, New Jersey. RCA in Camden has made samples of memory cores, evaluated by Dr. Rajchman at Princeton, which are reported to be very satisfactory. We are placing an order for 1,000 memory cores from RCA and will assist them in measurement and evaluation.

Several other computer organizations are obtaining memory cores for development of new computers. All of these are believed to use metal ribbon cores. The entire production capacity for these cores at Magnetics Inc. is now engaged in making cores for other projects such as Raytheon, Eckert-Mauchly, and E.R.A.

Brown is writing an article jointly with Dr. Schoenberg to appear in Electronics. This article will discuss the coincident-current memory and the requirements for suitable ferrite cores.

4. Publications

Any paper to be published by the laboratory, including abstracts to appear in convention programs, must be cleared through General Phillips at AFCRC.

Signed

David R. Brown

David R. Brown
Secretary

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