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Memorandum 6M-3864

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

SUBJECT: SAGE SYSTEM MEETING 29 AUGUST 1955
To: Distribution List
From: E. D. Lundberg
Date: 29 August 1955
Approved: B. E. Morriss
B. E. Morriss

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- Agenda:
1. Liaison With Cooperating Agencies in Experimental Subsector.
 2. Lighting in Ready Room.
 3. Air Conditioning in Building F.
 4. Display Meeting.
 5. Tape Conversion Equipment.
 6. Meetings Scheduled This Week.

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Liaison With Cooperating Agencies in Experimental Subsector

B. E. Morriss reported on difficulties encountered in dealing with cooperating agencies in the Experimental Subsector because of their lack of knowledge about the system and how they fit into it. A proposed solution is to have a specified Lincoln group responsible for visiting the various bases and establishing operating procedures before contacts are made by other Lincoln groups. J. W. Forrester stated that he sent a note to Dr. Overhage recommending that the SAGE Test Office (Group 23) assume responsibility in this area. This is one of several areas for which there is no clear work statement.

Another area in which responsibility is not fixed is that of telephone lines in the Experimental Subsector. It is our understanding that Division 6 would place orders for telephone circuits and that Division 2 would then take over the entire responsibility, including responsibility for changes. It was suggested that this concept may not agree with that of Division 2 and Division 3. Mr. Forrester suggested that N. H. Taylor, H. Sherman, and a Division 2 representative get together and write a paper defining these responsibilities. Mr. Taylor agreed to report on this item at the next SAGE Meeting.

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2. Lighting in Ready Room

B. E. Morriss reported on plans for installing direct lighting fixtures in the Ready Room of Building F to determine the desirability of using direct lighting in operational areas in lieu of indirect lighting. There are no present plans to bring in scopes and run operational tests. A study will be made to determine whether an appreciable gain is obtained with direct lighting and whether the light is distributed evenly in the room.

A sample of the honeycomb ceiling to be used in Building F has been received and is .07 of an inch thicker than that selected in tests conducted in the experimental lighting room of Building B. Indications are that this additional thickness has reduced the light level by approximately 40%. Jay W. Forrester requested that a thorough study of this be made before further production is authorized. B. E. Morriss indicated that the manufacturer has been contacted on this matter.

3. Air Conditioning in Building F

J. A. O'Brien reported on difficulties encountered last week in the air conditioning system of Building F, caused by oil in the pneumatic control system. The Taylor Instrument Co. sent engineers from Rochester by IBM plane to remedy the trouble. Excellent work has been done in cleaning up the entire system.

The question of whether MIT or IBM would be responsible for the maintenance of the air conditioning equipment has not been resolved. However, Division 1 is taking action to obtain additional non-staff maintenance people and Division 7 is attempting to obtain a full-time staff member to handle maintenance of the air conditioning system in Building F.

4. Display Meeting

S. H. Dodd reviewed the results of the display meeting with IBM on 26 August and the status of agreement reached with IBM on the item contained in Memorandum 6M-3852, Subject: Equipment Needs in XD-1.

H. D. Ross agreed that XD-1 would be installed and operating reliably, except for the display system, by 15 October 1955. The two additional index registers will be operating by 1 October. Also, IBM agreed that the additional auxiliary drum memory would be installed and operating by 1 February 1956, if four additional hours of computer time were available in January.

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A committee consisting of J. A. O'Brien, H. D. Benington, and J. F. Mills (IBM) has been appointed to work out computer time allocation problems between IBM and Lincoln.

In regard to the Command Post Desk, IBM agreed that it would meet the 1 February 1956 operational date. The desk would be constructed of wood, if necessary.

The need for the 38 consoles described in 6M-3850, which must be installed and operating by 21 November 1955, was discussed with IBM. A Ways and Means Committee was formed for the purpose of determining what is required to insure that the 38 consoles, with design characteristics as specified in the latest released Lincoln design requirements, are installed and operating by 21 November and that the Command Post is installed and operating by 1 February 1956. This committee will be comprised of Mercaldi and Burd (IBM) and Buzzard and Rising (Lincoln). This committee will work under the general cognizance of J. A. O'Brien and J. F. Mills. The committee has been delegated authority to make necessary compromises. The committee's study will be completed by 2 September, and the results will be discussed at the Coordination Committee Meeting to be held at Lincoln on 7 September.

Also, a Priorities Committee, consisting of representatives of ADC, Division 2, and Group 61, has been formed to determine exactly what is required by 1 January 1956. This is the date by which the complete display system, except for the Command Post, is to be operational.

5. Tape Conversion Equipment

H. E. Anderson reported on the tape conversion equipment required for Building F. Modified standard equipment is required. It was agreed that the purchase order for this equipment should be placed with the Commercial Department of IBM. Prior to placing the order, a commitment on delivery should be obtained from the Commercial Department. The purchase order should cover the required modifications. If Lincoln is to pay the cost of modification, cost estimates should be submitted before Lincoln approval is granted.

6. Meetings Scheduled This Week

- a. A meeting will be held at Lexington on Thursday, 1 September, to discuss the function of the C and E Duty Officer in the SAGE System. This will be attended by representatives of ADC, ADES, IBM, Rand, and Lincoln.

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b. The Building Redesign Committee will meet at 220 Church Street, New York City, on 1 and 2 September. ADC, ADES, AFIR, Burns and Roe, IBM, and Lincoln are represented on the committee. Ayer and Smiley will attend this meeting.

c. The weekly IBM-Lincoln Concurrence Meeting will be held at Lincoln on Thursday, 1 September.

EDL/ERO

SIGNED:


E. D. Lundberg

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Meeting Attendants

J. W. Forrester
R. R. Everett
H. E. Anderson
D. R. Aufderheide
H. D. Benington
S. H. Dodd
C. W. Farr
E. D. Lundberg (2)
K. E. McVicar
B. E. Morriss
J. A. O' Brien
W. Ogden
T. R. Parkins
E. S. Rich
N. H. Taylor

Others

J. A. Arnow
W. H. Ayer
D. R. Brown
R. J. Buzzard
W. Canty
J. J. Carson
R. S. Fallows
S. Hibbard
D. R. Israel
J. F. Jacobs
H. J. Kirshner
B. B. Paine
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C. R. Wieser
P. Youtz
SAGE Test Office