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Memorandum 6M-3593

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

SUBJECT: SAGE SYSTEM MEETING 9 MAY 1955

To: See Distribution List

From: E. D. Lundberg

Date: 9 May 1955

Approved: A. P. Kromer
A. P. Kromer

- Agenda:
1. New Report Editor
 2. Report on Recruiting Program
 3. Committee on Academic Problems
 4. Trip to EADF
 5. LRI Monitors
 6. SAGE Test Program
 7. Meetings Scheduled this Week

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 Date: 4-14-60

1. New Report Editor

Frank Hazel, formerly of Sylvania, will be the new report editor in Division 6. He has an extensive editorial background and is available to assist any Division 6 personnel in any unclassified work where he may be useful, until his Confidential clearance is received.

2. Report on Recruiting Program

Ted Ogden gave a resume of the results of the intensive recruiting program in which Division 6 personnel have been participating. Since 1 February of this year, the recruiting program has resulted in fifteen offers being accepted for Division 6 positions, with nine offers outstanding and twelve other cases under consideration. Although this partially satisfies Division 6 requirements, it is evident that increased numbers of capable personnel are required in the near future. In order to insure that the Personnel Committee has current information regarding the specific requirements of the various groups, a new set of statements should be prepared by each group. These will be reviewed by Division 6 management and forwarded to the Personnel Committee who will evaluate the requirements and prepare an official request to the Personnel Office.

Some of the other activities of the Personnel Committee are the following:

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- a. Facilitate cooperation between divisions.
 - b. Acquire overall knowledge of laboratory personnel requirements so that prospective staff members may be routed to groups where they are best suited.
 - c. Preparation of a staff handbook with 1 June as the target publication date.
 - d. Preparation of an attractive brochure to stimulate interest in Lincoln.
 - e. Preparation of an unclassified version of the movie "Counterbalance". A proposed script has been written, but not yet approved.
 - f. Preparation of a memo to indicate security boundaries. This will be of value in preparing talks on Lincoln operations.
 - g. Consideration of additional basic training courses for new staff members.

3. Committee on Academic Problems

A committee, with Dr. Overhage as acting chairman, has been established for the purpose of dealing with academic problems, primarily in connection with Lincoln relations with the Institute. A senior subcommittee consisting of Overhage, Radford, Smullin, and Forrester will deal initially with the external aspects of the committee's scope of activity. Another subcommittee consisting of Goodenough, Root, Ward, and Lebow will deal primarily with internal problems. The first task of this subcommittee will be to coordinate the special student registration for the summer session. The purpose of this will be to insure that staff members taking courses at the Institute are well qualified for the courses being taken. Qualified staff members are to be encouraged to register for academic courses in Cambridge. The plan of giving non-credit courses at the laboratory for staff improvement purposes will be continued.

4. Trip to EADF

Kirshner reported on his trip to EADF (Eastern Air Defense Forces). A conference was held with Colonel M. S. Brooks, Director of C & E at EADF, regarding wire communications in the SAGE System. Colonel Brooks indicated that he is just getting into the planning for the first subsector. Communications problems in the experimental subsector were discussed; primarily all wire communications to places not owned by Lincoln. Many of these places, e.g., P-sites, do not have sufficient entrances for circuits required. Circuits required in jointly owned (ADC & telephone company) facilities may have to be processed through EADF. For new construction, CRC can issue orders to the telephone company to put in the necessary communications equipment.

Discussions in this area revealed that no P-site in the experimental subsector would have the 20 radio channels required to handle a saturation raid. South Truro will have 10 channels, while others will have 2 or 3. This matter should be brought to the attention of Lincoln management as soon as possible.

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5. LRI Monitors

Ben Morriss indicated that Division 2, as well as IBM, are designing an LRI monitor. Representatives of Division 2 and Division 6 have been working together to attempt to agree on a single specification for this equipment. Bob Everett indicated that Division 2 and Division 6 management were going to discuss this problem on Wednesday, 11 May.

6. SAGE Test Program

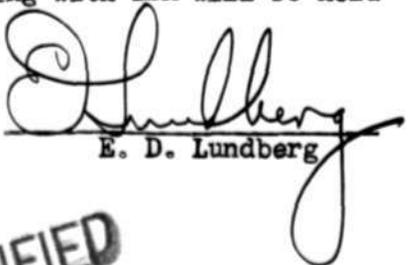
Dave Israel indicated that the work of the SAGE Test Committee and the SAGE Test Office was proceeding satisfactorily. All flight test scheduling will be done by the test office. This office has proven beneficial in coordinating the work of groups 22 and 61.

The first series of tests for the 1954 Cape Cod System, i.e., initiation, monitoring, and tracking accuracy, will be underway this week. Activity is fully scheduled through December. It is believed that the system will operate at only 50 to 60% of the optimum possible if sufficient manpower was available.

It was indicated that the personnel problem is particularly acute in this area. To keep the test program activity at the level desired, personnel in this activity must be increased shortly from about 25 people to approximately 50. Also, the lack of personnel has made it impossible for anyone to do basic research in this area.

7. Meetings Scheduled this Week

- a. The monthly SAGE System Status Meeting will be held at 220 Church Street, New York City on 10 May.
- b. The meeting originally scheduled for 5 May with representatives from IBM (Washington office) and ADC, to discuss the usage of IBM standard rental equipment in the SAGE System, will be held at Lincoln on 11 May.
- c. A meeting will be held with representatives of the research department of IBM on 11 May for the purpose of discussing ferrites.
- d. The biweekly meeting with ADES will be held at Lincoln on 12 May. The principal item for discussion will be communications.
- e. The AN/FSQ-7 and XD-1 concurrence meeting with IBM will be held at Lincoln on 12 May.


E. D. Lundberg

EDL:mnc

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