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Memorandum 6M-4241

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

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SUBJECT: SAGE SYSTEM MEETING, 12 March 1956

To: Distribution List

From: P. J. Gray

Date: 12 March 1956

Approved: William H. Ayer  
William H. Ayer

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- Agenda:
1. New Boeing-Lincoln Study
  2. Duplex Standby Specifications
  3. AEW Presentation at Steering Committee Meeting
  4. F102A
  5. TALOS
  6. Whirlwind I Print-Out
  7. Meetings Scheduled This Week

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1. New Boeing-Lincoln Study

Beginning tomorrow, a new Boeing-Lincoln study will be started. The purpose of this study is to re-examine the decision to use SAGE for Bomarc control. This decision was made approximately three years ago and excluded autonomous control of Bomarc by a separate ground environment known as the AN/GPA-35. This study is being undertaken at the request of Boeing and will be composed of one or two representatives of Lincoln plus Boeing, Westinghouse, and possibly IBM representation.

2. Duplex Standby Specifications

An IBM-Lincoln Laboratory document, Guide to Duplex Standby Operation, has been written and is being circulated for comment. It describes the manner in which the standby computer in SAGE production installations will be used. All persons in receipt of this document are asked to furnish their comments to Group 61 as soon as possible. It is expected that the operational specifications for duplex operation will be completed in May, the program completed in November, and checkout complete by 1 January 1957 at Kingston, after which the standby program will be shipped to McGuire. The program preparation will be carried out by Group 67 and IBM.

3. AEW Presentation at Steering Committee Meeting

The report of the AEW study group was given at the Lincoln Steering Committee Meeting last Monday afternoon. It was the concensus of the committee that "tight integration" of AEW with SAGE was too large a program for Lincoln to undertake at this time. Division 4 work on improvement of airborne radars will continue to be the major effort in the field of AEW at this time.

4. F102A

The study group to consider methods of integration of the F102A all-weather fighter with SAGE will commence this week. It will consist of representatives of Convair, Hughes, the Lincoln Project Office, and Lincoln.

5. TALOS

Representatives of RCA and the Johns Hopkins University Applied Physics Laboratory have been in contact with Lincoln periodically concerning integration of TALOS with SAGE. A meeting has been scheduled for 27 March at Johns Hopkins University to initiate a study of TALOS-SAGE integration. It was indicated that the Lincoln Project Office should be included in any study effort.

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6. Whirlwind I Print-Out

Group 22 have been using Whirlwind I in their data reduction studies and have encountered a serious problem of data print-out for later analysis. This has required approximately 190 hrs/wk of print-out time or 95 hours per week on each of two machines. In addition, there are many demands on the print-out facilities by other groups. It was agreed that there was little possibility of increasing the print-out capability of Whirlwind I and hence, Group 22 will have to tailor their requirements to conform with the current print-out capability of Whirlwind I.

7. Meetings Scheduled This Week

- a. Date: 13 March 1956  
 Place: Lexington  
 Purpose: Reconsider use of AN/GPA-35  
 Participants: Boeing, Westinghouse, Lincoln
- b. Date: 13 March 1956  
 Place: 220 Church Street, New York City  
 Purpose: ADES Status and Progress Meeting  
 Participants: ADES, IBM, Lincoln, (Dodd, Everett, Rader, Morriss).
- c. Date: 14 March 1956  
 Place: 220 Church Street, New York City  
 Purpose: Phasing Committee Meeting  
 Participants: ADES, A.F., IBM, Burroughs, Lincoln, (Rader, Morriss)
- d. Date: 14 March 1956  
 Place: 220 Church Street  
 Purpose: Review Programming Responsibilities  
 Participants: ADES, Lincoln (Forrester, Jacobs, Morriss)
- e. Date: 15 March 1956  
 Place: Lexington  
 Purpose: IBM-Lincoln Concurrence Meeting  
 Participants: IBM, Lincoln (Crane, Shorey)
- f. Date: 16 March 1956  
 Place: Lexington  
 Purpose: Biweekly ADES-Lincoln Engineering Meeting  
 Participants: ADES, Lincoln

SIGNED:


  
P. J. Gray

PJG/ero

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