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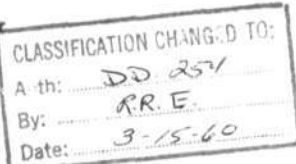
Memorandum 6L-223

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

SUBJECT: GROUP LEADERS' MEETING - October 10, 1955
To: Group Leaders and Associate Group Leaders
From: C. W. Farr
Date: October 13, 1955



Present: J. W. Forrester, R. R. Everett, J. A. Arnov, D. R. Brown, S. H. Dodd,
 C. W. Farr, D. R. Israel, J. F. Jacobs, B. E. Morriss, Jr.,
 J. A. O'Brien, W. N. Papias, J. C. Proctor, E. S. Rich, N. H. Taylor

Agenda:

1. IBM Advance Development
2. IBM Coordination Meeting
3. Space
4. Appointment of Clark to Section Chief
5. Surface Alloy Transistor
6. BTL
7. Attendance at ADES Progress Meeting
8. WE Request to Review Programming Responsibility Notes

Forrester opened the meeting by suggesting that meeting effectiveness could be improved by giving more advance thought to agenda and the clear presentation of problems for rapid disposal.

1. IBM Advance Development

Taylor announced IBM has requested a meeting at Lincoln, October 13, at 9 a.m., for discussion of advanced development on FSQ-7. Crago will bring a five to six man group. IBM is asking what kinds of development Lincoln considers warranted. Taylor reported IBM's advanced development work is being carried on in a 100-man group out of which 90 are directly occupied in rectification of FSQ-7 troubles and approximately 10 are engaged in work of a more general developmental nature.

2. IBM Coordination Meeting

Everett reported that last week's IBM Coordination Meeting progressed smoothly. Dodd reported that the Air Force has requested IBM to use the equipment specification list prepared by Lincoln and released under TIRs 97 and 101 as a point of departure for ECPs.

Discussions with IBM have indicated that items such as the spare air compressor and perhaps guards at Murphy should be handled by formal request to IBM rather than by informal discussion.

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3. Space

Forrester reported telephone conversation with Colonel Scott last Friday. IBM is arranging for furniture which is scheduled to be at Murphy October 17; Colonel Scott is attempting to arrange for guards and janitors at Murphy by October 24 and will call Forrester October 14 to report progress; these arrangements are apparently being made through the contractors.

Discussion ensued concerning feasibility of moving certain groups to Murphy next Monday. The SAGE Familiarization Course will be given from Murphy auditorium starting October 17 per arrangements made by Hill (these arrangements are entirely separate from the Air Force - Murphy space program).

Colonel Scott reports Air Force owns two buses but no drivers have yet been provided.

Forrester decided to wait until the October 14 report from the JFO concerning permanent guards and janitors and then try to obtain an interim janitor and guard arrangement to speed up the transfer of personnel to Murphy.

Proctor reported no objection from the Director's Office to the space allocation plan which he presented. Discussion of the request from WE to move F. Simon's office closer to M. J. Burger resulted in a request from Forrester to Proctor to restudy. Forrester also requested Proctor to draft a confirming letter for Forrester's signature the end of this week concerning the removal of contractors to Murphy.

Forrester asked Proctor to start this week moving Wells' group and Group 61.

4. Appointment of Clark to Section Chief

Brown announced transfer of Daggett to Group 62 and proposed that Wesley A. Clark be appointed Section Chief to fill the vacancy.

5. Surface Alloy Transistor

Brown reported that Philco has succeeded in making a surface-alloy transistor. This transistor is like the surface-barrier transistor we have been using except that the gain at high currents is much better (30 to 50, in comparison with a gain of 5 or 6 for surface-barrier transistors). This development is confidential (proprietary) at the present time. Production quantities of surface-alloy transistors will be available too late for TX-0.

Dodd reported conversation with Hugh Boyd or Raytheon concerning development of transistors by the diffusion process. Brown reported Eckl has visited Boyd and Getting at Raytheon.

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5. Surface Alloy Transistor (cont'd)

Everett explained that Lincoln supported development of the surface-barrier transistor at a time when other developments appeared to have adequate backing and the surface-barrier transistor showed promise without adequate support.

Papian pointed out that Lincoln's support of Philco relates to the jet etching technique.

Brown plans to schedule a meeting to review the transistor development situation.

6. BTL

Dodd and Forrester discussed a working arrangement between Lincoln and BTL which M. J. Burger agreed several months ago to prepare and which Forrester discussed recently with F. C. Ong. This question was deferred for discussion next week.

7. Attendance at ADES Progress Meeting

Morriss reviewed attendance list for ADES meeting which included Valley, Rader, Forrester, Israel, and Ogden. Taylor suggested that Anderson or May should go. Subject of the meeting will be the McGuire Subsector.

8. WE Request to Review Programming Responsibility Notes

Morriss inquired what revisions were needed in the programming responsibility notes. Jacobs said all numerical quantities needed reviewing. It was reported that M. J. Burger wanted to change the test program from ADC to Rand responsibility. Forrester and Dodd suggested that F. Simon, an IBM representative, Israel and McVicar, should participate in the review. Morriss agreed to set up the meeting for October 18.

W. F. Part
Secretary

GMF:rv

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