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Memorandum 6L-267

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

CLASSIFICATION CHANGED TO:
Auth: <i>DD 254</i>
By: <i>K.R.E.</i>
Date: <i>3-15-60</i>

Subject: Group Leaders' Meeting - July 2, 1956

To: Group Leaders and Associate Group Leaders

From: C. W. Farr

Date: July 5, 1956

Present: R. R. Everett, N. H. Taylor, J. A. Arnow  
H. D. Benington, D. R. Brown, W. J. Canty  
N. L. Daggett, S. H. Dodd, C. W. Farr  
D. R. Israel, J. F. Jacobs, K. E. McVicar  
W. N. Papian, J. C. Proctor, E. S. Rich  
C. A. Zraket

Agenda:

1. Promotion
2. ESS Plans and Schedules
3. Division Six Reorganization
4. Advance Programming Meeting
5. XD-1 Performance
6. SAGE Familiarization Course
7. Performance Rating
8. Poughkeepsie Trip
9. Kingston Trip

1. Promotion

Everett welcomed Norm Daggett, recently appointed Associate Group Leader of Group 64.

2. ESS Plans and Schedules

Rich summarized difficulties foreseen in meeting ESS schedule commitments due particularly to shortage of FSQ-7 computer time.

After extensive discussion Everett requested Dodd and Rich to

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meet with him later July 2 in order to probe the problem of computer time; he also requested Dodd to discuss with Mills of IBM a method of eliminating delays such as encountered on XD-1 last week when M. Arden's program was held up from Thursday to Tuesday.

In closing the discussion Everett pointed out that it is Rich's responsibility to formulate the needs of Group 62 in order that optimum use can be made during the next six months of computer and display equipment which is beginning to roll off the production lines.

### 3. Division Six Reorganization

Everett reviewed, Group by Group, comments on the tentative reorganization memorandum issued June 29, explaining that forthcoming vacations and trips calling Dodd, Jacobs and Taylor away from the Laboratory necessitate preparation of a final reorganization document July 3 for approval and issue.

Group 60 - no change, no comment

Group 61 - responsibility as described includes certain testing which Everett explained will be contingent on computer availability and manpower capability.

Group 62 - responsibility description will be modified to include the continuance of the BTL support on subsystem test plans; ESS system maintenance will also be Group 62 responsibility since O'Brien will be ESS Systems Engineer.

Group 63 - no change, no comment

Group 64 - a question arose concerning the division of responsibility for program maintenance and program revision between Group 64 and Group 67. Decision was reached that Group 67 will support Group 64 by furnishing program maintenance assistance as required and particularly during the period November 1956 to June 1957; meanwhile Group 64 will build up its manpower and capability to assume program maintenance responsibility by June 1957. Rich inquired concerning Group 64 responsibility in ESS planning; Everett agreed that there is need for re-examination of the charter of Committee 236.

Group 65 - no change, no problem

Group 66 - McVicar inquired concerning PCO responsibilities; Everett advised that a clarification of responsibility is in process.

Group 67 - see discussion above concerning Group 64

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4. Advance Programming Meeting

Israel commented briefly on a recent meeting in Washington at which Berington presented a paper "The Production of Large Programs". He called attention to the fact that the "SHARE" program, under which users of IBM 704 Computers pool their utility programs, began less than a year ago, in August 1955, with 3 participants, RAND, Lockheed, and one other, --this pool now numbers 40 separate organizations.

Israel spoke of the "compiler" efforts of other organizations engaged in programming; apparently the tendency to underestimate time and manpower required to program complicated problems is universal. Israel discovered no other organization involved in a programming task which involves the degree of inter-communication between parts of the program which we encounter in SAGE, he did, however, speak hopefully of possibilities for sub-programs which we might develop to mechanize the task of translating certain logical specifications into machine code.

5. XD-1 Performance

Under another heading Canty answered Everett's question concerning recent XD-1 performance, stating that no major equipment faults in XD-1 had been encountered during the last two weeks.

6. SAGE familiarization Course

Farr reported briefly on the SAGE Familiarization Course presented under the direction of Art Hill which he attended last week at M. I. T. He commented favorably on the content and coverage of the material and pointed out the necessity of continuing to supply Hill with qualified lecturers to present, accurately and convincingly, the details of the SAGE program to the far flung military and civilian representatives who go to make up the course enrollment.

7. Performance Rating

Farr reminded the Group Leaders of the need for returning the performance rating forms to Division Headquarters. Brown, Arnow and Rich commented on the usefulness of the general (as distinguished from the numerical) comments on page 4 of the rating form.

8. Poughkeepsie Trip

Taylor reviewed results of a recent trip with Brown to Poughkeepsie to discuss the IBM Product Improvement Proposal (PIP) program. A plan has been arrived at calling for a meeting July 5, attended by Crago, Ross, Jackman and Cypser of IBM and Taylor, Brown, Dodd and O'Brien of Lincoln; Lincoln representatives will present to IBM our current thinking concerning priority of development work relating to SAGE. A second meeting July 6, will be attended by Smith of LPO, and will investigate progress to date at IBM, and attempt to formulate an integrated program.

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The object of the meetings is to integrate the Product Improvement Program of IBM for maximum continuing usefulness to SAGE.

9. Kingston Trip

The first large group to visit XD-2 in response to Crago's recent invitation made the trip by plane June 26. Approximately 17 Lincoln, RAND and BTL members of Group 67 participated. Arrangements were very satisfactory, and there were no suggestions for improving the procedure.

CWF:ssm

*CWF*

C. W. Farr, Secretary

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