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Memorandum 6L-220

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

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By: R.E.  
Date: 3-15-60

SUBJECT: GROUP LEADERS' MEETING - September 19, 1955

To: Group Leaders and Associate Group Leaders

From: C. W. Farr

Date: September 28, 1955

Present: J. W. Forrester, R. R. Everett, J. A. Arnow, S. H. Dodd, C. W. Farr,  
D. R. Israel, B. E. Morris, Jr., J. A. O'Brien, W. N. Papian,  
E. S. Rich, part time, J. F. Jacobs, J. C. Proctor

- Agenda:
1. Space
  2. XD-1 Command Post Schedule
  3. PCO Organization
  4. Compatible Tape Units - MTC
  5. Acceptance Tests
  6. Chartered Airplane Service
  7. Ferrite Research

1. Space

Dodd reported on space discussion at the ADES meeting, September 15. Forrester made a statement at the ADES meeting concerning space and auxiliary services needed. J. M. Moore suggested that the people move in and make the best possible use of Murphy space. Col. R. M. Osgood stated that the Air Force is working as fast as possible to determine who would be responsible for the Air Defense operations at Murphy; he said that auxiliary service arrangements would be part of this responsibility. Consideration is being given to the handling of services by CRC.

Forrester suggested that we encourage the movement of personnel into Murphy in order to make self evident the urgency of provision of services.

Dodd reported on phoning to D. P. Wilkes, ADES, who said that the JPO and ADES were each appointing a person to start action on auxiliary services.

Forrester made it clear that Lincoln will not become directly involved in the service requirements at Murphy.

Forrester requested Israel to see that the six MTC personnel currently occupying Group 61 space in Building D are moved to Murphy.

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Forrester requested Israel to arrange the housing of Rand personnel working with Group 61 in such a way that Rand people would be principally quartered at Murphy and Lincoln people would be principally quartered at Lincoln; it was acknowledged that it might be necessary to move Rand people into Lincoln temporarily for work involving continuous checkout, but he emphasized the necessity of keeping such moves temporary.

Forrester reported that the removal of Wells' section to Division 2 has been discussed with Overhage and Wieser. Everett reported that work has begun on space layout for this move.

Farr reported that the committee appointed at the IBM concurrence meeting to study IBM space at Lincoln, had furnished Forrester with data resulting in the definite understanding with IBM that additional IBM space in Lexington must be provided by IBM and not Lincoln.

## 2. XD-1 Command Post Schedule

Dodd reported that H. D. Ross had told the ADES meeting that the Command Post might be as late as March 15. Everett said that he had originally established the February 1 schedule date in phase with the display system in response to urging from Col. J. D. Lee's office; he quoted Benington's opinion that a later checkout would be possible. Dodd reported that the DID desk would be built according to IBM-Hazeltine proposal No. 3, approved by Taylor and ADC.

Discussion of the Kelvin and Hughes projector brought forth the suggestion from Forrester that, once we find it workable, Lincoln should relinquish responsibility for action to IBM and WE.

Dodd concluded that the Command Post schedule should be discussed with Group 61 and Col. Lee with the objective of attaining an April operation date with installation sufficiently in advance to permit checkout; the computer time schedule might be limiting.

Everett and O'Brien discussed the procedure for rigging work on XD-1 to avoid Lincoln liability for damage.

## 3. FCO Organization

Dodd announced the re-organization of the FCO into two sections. W. H. Ayer is Section Leader of the Equipment Specifications section and E. J. Kirshner is Section Leader of the Operating Specifications section. Dodd requested that this item be held confidential until arrangements and announcements had been made within Group 66.

Forrester suggested that the FCO arrange for weekly or biweekly visits to outside organizations in order to improve communications and relationships; he stressed the importance of personality and experience of the FCO personnel delegated for such visits.

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4. Compatible Tape Units - MTC

Arnow introduced the question of use of MTC instead of XD-1 for evaluation of tests; two new compatible tape units would be needed. He quoted Wells' estimate of ten to twelve hours per week of XD-1 time saving if MTC could be so used. This time saving would be additional to the time saving obtainable from the computer we are buying. Delivery date of such tape units is unknown. Israel said that the programming load would be increased by such use of MTC, however, the programs would have a continuing use and the increase in programming load might even be lessened during the next critical six-month period. O'Brien was appointed to pursue the MTC problem.

5. Acceptance Tests

Israel requested clarification of responsibility for acceptance tests. He first asked if Group 61 should test the equipment in April and again in October and show improvement. Forrester answered that this was a Division 2 responsibility.

Further discussion brought out lack of understanding between Lincoln and certain contractor representatives at Lincoln. Forrester agreed that it is time the responsibility question be cleaned up and agreed to take action. Meanwhile, he asked Group 61 to continue to make test programs needed for their own use but to distinguish between programs needed to make the unit work and programs needed for operational tests for Air Force acceptance. He pointed out that it is Lincoln's responsibility to determine if the equipment meets the operational specifications and WE's responsibility to test its ability to meet air defense requirements. Everett differentiated between Lincoln's responsibility for meeting operational specifications, BTL's responsibility for translating into telephone language, and WE's for providing production facilities to meet air defense requirements.

6. Chartered Airplane Service

Forrester stated that the minimum contract amount of Wellesley Travel aircraft time is not currently being used. Arrangements are being made by Kates and the teletype attendant for Wellesley travel. Forrester reported that he had forwarded Paine's comments on chartered airplane service to Fitzpatrick. He said Fitzpatrick had mentioned the possibility of calling a chartered plane to Bedford airport each morning to await decision concerning the day's flights, however, there are problems of fog conditions between Bedford and the airport of origin.

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7. Ferrite Research

Forrester reviewed the problem which arose recently with RCA in connection with ferrite research. RCA first requested permission to make employment offers to several of our ferrite research personnel. Permission was granted. At that time, RCA mentioned "taking over" the ferrite research program and personnel and was told by Lincoln that this plan would not be acceptable. After preliminary negotiations, a recent proposal by RCA was to establish a ferrite laboratory in Waltham transferring Lincoln personnel and subcontracting research work on ferrites for Lincoln. The Lincoln position is firmly opposed; Lincoln wants generally more, not less, research activity, furthermore, relocation of fundamental research outside Lincoln would not be feasible.

Much of the above situation is hidden in the maneuverings relating to RCA's offer to Vinal.

Forrester invited the ferrite group to his office last week and reviewed the entire situation stating Lincoln's position and answering questions of the group. A side reaction of the meeting was the uncovering of a rumor - completely unfounded - that Division 6 contemplated removal back to Cambridge.

In closing, Forrester requested adherence to the time schedule which calls for starting the SAGE System Meeting at 9:45 a.m.

*C. W. Farr*  
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C. W. Farr  
Secretary

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