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Memorandum 6L-180

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

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SUBJECT: GROUP LEADERS' MEETING, January 10, 1955

To: Group Leaders

From: David R. Brown

Date: January 11, 1955

Present: J. W. Forrester, D. R. Brown, S. H. Dodd, R. R. Everett,
A. P. Kromer, J. C. Proctor, N. H. Taylor, and C. R. Wieser

- Agenda:
1. IBM Engineering Support Program
 2. Schedules and Concurrence
 3. Charactron Light Levels
 4. Recommendations for Anti-Aircraft Artillery
 5. Operation of AN/FSQ-7(XD-1)
 6. Installation Group
 7. Steering Committee Review of Solid State Work
 8. General Ceramics
 9. Cryotron

1. IBM Engineering Support Program

A revised proposal for IBM's engineering support program has been prepared by N. P. Edwards. Budget and manpower requirements are listed in two categories--advanced support engineering and support engineering. The 90 personnel listed for advanced support engineering appears too high, but this may be due to a confusion in terminology. S. H. Dodd and N. H. Taylor have discussed this proposal with N. P. Edwards and will continue to work with him until a satisfactory proposal is obtained.

2. Schedules and Concurrence

MIT's concurrence for all scheduled duplex items had been anticipated by early January, 1955. It now appears all items will not receive concurrence until mid-March, 1955. S. H. Dodd will prepare a summary of the situation for presentation at the meeting of the Joint IBM-MIT Coordinating Committee on January 12.

3. Charactron Light Levels

Members of Group 38 as well as some members of Division 6 are disturbed by the low light level of characters displayed on the mock-up display console in the basement of Building B. This situation may be improved by lowering the light level in the room or changing the color of the room illumination.

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4. Recommendations for Anti-Aircraft Artillery

The first draft of Lincoln Laboratory's recommendations for integration of anti-aircraft artillery with the SAGE system has been discussed with A. G. Hill and with General K. F. Hertford's office. Their comments indicate general agreement with the substance of the recommendations.

5. Operation of AN/PSQ-7(XD-1)

J. C. Proctor needs up-to-date information on IBM's schedule for operation of XD-1. In particular, information is needed regarding technicians, stockrooms, etc. Some personnel and union problems are anticipated. J. C. Proctor and N. H. Taylor will together make recommendations which will provide the basis for obtaining the information needed.

6. Installation Group

The XD-1 installations group headed by Hugh Wainwright is beginning to feel uncertain about the future. Their future role in the laboratory should be discussed with them.

Certainly there are many jobs which these persons could do after the contractor leaves Building F in May, 1955. Scheduling for the experimental subsector, liaison with ADFS, coordination of cables, and similar jobs are possibilities. J. C. Proctor will talk to the nine persons in the installation group now and at the same time initiate planning for their future.

7. Steering Committee Review of Solid State Work

On January 10, the Lincoln Laboratory Steering Committee will review solid state work in Groups 35, 37, and 63. D. R. Brown, J. B. Goodenough, and F. E. Vinal will attend for Group 63. D. R. Brown will make a brief presentation of the Group 63 program, recommending that work on magnetic materials for digital computer memories be continued at the present level.

8. General Ceramics

D. R. Brown visited General Ceramics on January 6 to discuss progress on their subcontract with Lincoln Laboratory. He learned that C. L. Snyder is preparing a draft of a letter to Lincoln Laboratory giving us permission to release for publication the information on memory-core production techniques previously requested. D. R. Brown also met the new President of General Ceramics, Henry Arnhold.

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9. Cryotron

A cryotron flip-flop with two gates on each side has been successfully operated and significant simplifications in construction techniques have been achieved. A. D. Little Company have become very interested in this work and have proposed that a development program be undertaken by them. The MIT Patent Department is investigating MIT's patent interests in the device.

Signed David R. Brown
David R. Brown, Secretary

DRB/jg

cc: W. K. Linvill
A. P. Kromer

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