

Memorandum 6L-295

Page 1 of 6

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

Subject: Group Leaders' Meeting - 11 February 1957  
To: Group Leaders and Associate Group Leaders  
From: C. W. Farr  
Date: 13 February 1957

Present: R. R. Everett, N. H. Taylor, J. A. Arnow,  
D. R. Brown, W. J. Canty, C. L. Corderman,  
N. L. Daggett, S. H. Dodd, R. S. Fallows,  
C. W. Farr, J. Goodenough, D. R. Israel,  
J. F. Jacobs, B. E. Morriss, J. A. O'Brien,  
W. N. Papian, J. C. Proctor, E. S. Rich,  
P. Youtz, and C. A. Zraket

Agenda: 1. Graduate Study Program  
2. Systems Office  
3. Ceilings  
4. Frequency of Shakedown Tests  
5. Promotion  
6. BOMARC  
7. IBM Assistance to Lincoln  
8. Division 6 Meetings

Memorandum 6L-295

Page 2

ACTION

1. Graduate Study Program

D. R. Brown summarized discussion of previous week pointing out that the college recruiting program has emphasized the demand for Lincoln staff openings with opportunity for graduate study -- further discussion is appropriate this week with Everett present -- John Goodenough was invited to bring to the meeting his detailed experience with the graduate study program.

Goodenough reviewed the Lincoln goal to build up to a total of 50 graduate students in the Staff Associate program -- goal first year was 20 -- actually we had 15 -- first term academic records of these 15 were generally excellent although one student left at the end of one semester having received B and C grades -- another student received B and C grades and is expected to improve following the orientation experience of his first term at M.I.T. -- Goodenough pointed out that this first term record seems to justify the high standards used in selecting Staff Associates -- second semester Staff Associates enrollment will be 17 -- desirable to build to 25 or more next year -- Staff Associates not included in Divisional staff ceiling figure -- Staff Associate program includes full time Lincoln employment during the first summer -- Math Department at M.I.T. prefers students to take three subjects to be sure that the academic program (and not the work program) will become the major interest -- Math Department does not provide a work program therefore Lincoln students work at Lincoln Laboratory -- Physics Department works with Doctorate degree candidates (not Master's degree candidates) -- Physics Department permits thesis work physically carried out at Lincoln Laboratory -- Krag, Group 35, is Lincoln's first student in this department -- Electrical

Memorandum 6L-295

Page 3

ACTION

1. Graduate Study Program (Continued):

Engineering Department strongly prefers intimate student integration with EE Department faculty in Cambridge and does not currently permit thesis work at Lincoln -- Buzzard is currently arranging for a Master's thesis in the EE Department with Professor Siebert as supervisor.

Goodenough urged active recruiting of promising Staff Associate material for next year -- promising recruits may be referred personally to Goodenough -- students unable to qualify initially for Staff Associate consideration should be encouraged to enter the Special Student program with the possibility of qualifying for Staff Associate appointments at a later date.

Everett and Brown pointed out that space and particularly supervision are the bottlenecks in the graduate student program -- they called for help from Lincoln to take a "fatherly interest" in Lincoln graduate students, making it a point to become acquainted with the faculty supervisors and encouraging faculty supervisors to visit Lincoln -- Goodenough added that an attitude of interest in the professional development of the student is important -- Lincoln interest need not be restricted to the Building 10 and Group 65 programs, but should at least include Servomechanisms Laboratory and RLE -- graduate students should attend section meetings regularly at Lincoln and interested Lincoln staff should make a special effort to visit Cambridge.

In a final word, Goodenough outlined the "non-competition" policy -- if a prospective student applies both to Lincoln and to the graduate school, Lincoln does not enter competition in bidding for his services.

Memorandum 6L-295

Page 4

ACTION2. Systems Office

Brown established a meeting at 9:00 a.m., February 15 with R. R. Everett and others (Brown will arrange) to discuss revisions related to operational air defense as of January 1, 1960.

Systems Office plans to build to a staff of 10 by March 18 -- at least half RAND personnel.

3. Ceilings

Everett reviewed recent Lincoln Laboratory decision concerning Laboratory and Divisional staff ceilings -- the figure of 760 staff ceiling (at present staff/non-staff ratio) is compatible with budget -- to avoid halting all recruiting, ground rules have been established letting Divisions hire needed top quality personnel with the understanding that a budget allocation of \$10,000 in fiscal 1957 and \$27,000 in fiscal 1958 will be charged against Extraordinary Accounts of the Division.

The following figures represent official Personnel Office records for Division 6 submitted to the Director's Office:

Division 6 Personnel Ceiling prior to February 5, 1957	591	Everett pointed out need to review (and revise downward) outstanding personnel requisitions.
New Ceiling	573	
Present Staff Members	208	Everett advised Rich it would be reasonable to adjust Group 64 personnel requisitions to allow for reasonable expectation of loans of personnel (for a period of several years) from IBM, RAND, etc.
Present non-staff members	339	
Present Total Division 6 staff and non-staff	547	
Division 6 openings	26	
Division 6 offers outstanding	9	
Staff requisitions	31	
Non-staff requisitions	20	

Memorandum 6L-295

Page 5

ACTION

3. Ceilings (Continued):

Jacobs stated RAND now has excess of personnel in the STP program.

4. Frequency of Shakedown Tests

Canty discussed the advisability of scheduling shakedown tests to permit sufficient time between de-briefing and subsequent tests to make necessary changes -- recent shift to afternoon tests (to accommodate live aircraft schedules) has given rise to problems.

Dodd agreed to settle this problem in a Group 62 - Group 64 discussion.

5. Promotion

Morriss announced plan to promote Holden to Section Leader -- Holden, now at McGuire, will lead the Test Plans and Analysis Section of Group 66.

6. BOMARC

Israel established a meeting at 1:30 p.m. February 12 with Taylor to discuss the BOMARC Capability draft -- Everett requested Israel to discuss the PI question with Wieser.

7. IBM Assistance to Lincoln

O'Brien inquired status of IBM assistance program -- Everett summarized IBM plan to allocate personnel to Lincoln for indoctrination in non-computer phases of SAGE System -- IBM personnel will be assigned among groups in Division 2 and 6 -- program is under negotiation at the Director's Office level -- White of IBM will approach Group Leaders informally to make more detailed arrangements -- bottleneck is space -- Proctor is working on a plan but envisions accommodation of approximately 10 (not 50) people -- Everett announced plans to construct building on Field Station property for the 704 computer.

Memorandum 6L-295

Page 6

ACTION

8. Division 6 Meetings

Israel called for review of objectives of Division 6 Group Leaders meeting, SAGE Meeting, and Teas.

Everett suggested postponement to February 18 agenda.

SIGNED: \_\_\_\_\_

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

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