

RESEARCH LABORATORY OF ELECTRONICS

PROGRESS REPORT FOR MARCH 15, 1946

The projected activities of the Research Laboratory of Electronics of the Massachusetts Institute of Technology have been described in a prospectus of October, 1945, and a shorter pamphlet of December, 1945. An interim current status report of February 11, 1946, served to show to what extent the prospectus was being followed, and in general the adherence was close. A few new projects, which fit well with the general program have been added; a few projects have been dropped or held in abeyance because of several reasons: (1) interested staff members are still busy with other duties such as writing for the Radiation Laboratory Office of Publications or teaching at Radar School, (2) recent knowledge that a projected research is being well conducted elsewhere, (3) no senior staff available at present for general guidance and administration.

This constitutes the first attempt in presenting in some detail the research program of the Research Laboratory of Electronics, its progress to March 15, 1946, and the associated shops, services and educational laboratories. The responsibilities of the Research Laboratory of Electronics may be enumerated as follows:

(1). The administration of the Basic Research Division of the Radiation Laboratory. This division was constituted shortly after V-J Day for the purpose of carrying on at approximately a peacetime rate the basic research of Radiation Laboratory until a permanent agency could take over the support from O.S.R.D. This work, supported by O.S.R.D. contract OMSr-262 (D.I.C.-6377), constitutes about 90% of the present research program. A letter of intent from the Signal Corps indicates that this service, jointly with the Navy O.R.I. and the A.A.F., will support our basic electronic research program through 1948. It is this activity of the Electronics Laboratory which will be described in this report.

(2) The administration of project D.I.C.-6392, a part of the contract with the Navy Bureau of Ordnance, No. NOrd 9661, calling for the investigation of means of providing radar intelligence and guidance of a supersonic missile. This project is described in detail elsewhere and will not be discussed here.

(3) The establishment of a research facility for the use of the staff of M. I. T. who are interested in electronic research.

(4) The establishment of such laboratories as are necessary for the general M. I. T. educational program in electronics.

(5) The training of graduate and undergraduate students in electronics.

(6) The training of the staff of the Research Laboratory of Electronics in the techniques of circuits, shop and tube laboratory to further competence in the field.

(7) The establishment of a facility for post-graduate training in electronics for members of the Armed Services, the Government laboratories and industry.

ADMINISTRATIVE AND SERVICE PERSONNEL

Administration

Prof. J. A. Stratton, Director
Prof. A. G. Hill, Associate Director
Mr. F. P. Wile, Personnel and Business Manager
Prof. G. G. Harvey
Mr. W. W. Woodcock, Property
Mr. J. M. McCarthy, Purchasing

Advisory Committee

Prof. J. C. Slater
Prof. H. L. Hazen
Prof. J. A. Stratton
Prof. A. G. Hill

Secretaries, etc.

Constance Lane
Edith Woodcock
Phyllis A. Elfman
Ruth Goldie
Rita McGonagle
Catherine Ahern
Ethel Cavagnero

Tube Laboratory

Staff

Rosebury, F.

Glass Blowers

Ryan, L. W.
Anderson, E. F.
Velluto, A. J.

Technicians

Allen, C. E.
Bingham, H. B.
Cox, Alice
Johnson, Dorothy
Kibble, Esther
MacDonald, A. A.

Machine Shop

Keefe, J., Foreman
Doane, Ada, Clerk
Beers, N. E.
Blake, R. W.
Bujnicki, F. J.
Chaulk, L. W.
Coyle, J. E.
Engstrom, L. C.
Friberg, E. E.

Wiring Shop

Fletcher, J. A., Foreman
Gillis, Mary
Kershaw, Janice
Solomon, Catherine

Stockrooms

Boyle, L. E.
Chaloff, R. S.
Devery, Helen
Sears, A. R.
Wheaton, G. C.

Computing

Campbell, Elizabeth
Boland, Patricia
Kalines, Thea

Drafting

Navedonsky, C.
Leonard, P. J.
Williams, R. F.

RESEARCH PERSONNEL

M. I. T. Faculty and Instructors

Allis, W. P.	Hall, A. G.	Radford, W. H.
Arguimbau, L. B.	Kip, A. F.	Slater, J. C.
Beers, L. V.	Kittel, C.	Squire, C. F.
Bitter, F.	Livingston, M. S.	Stratton, J. A.
Brown, S. C.	Martin, S. T.	Tisza, L.
Eisenstein, A. S.	Mueller, H.	Trump, J. G.
Feld, B. T.	Nottingham, W. B.	Zacharias, J. R.
Gray, T. S.		

Electronics Laboratory Staff Members

Bostick, W. H.	Feldmeier, J. R.	Meng, C. Y.
Brown, F. C.	Halpern, J.	Posin, D. Q.
Chance, B. (Part-time)	Harrison, G. I.	Roberts, A. (Part-time)
Cullington, E. H.	Henry, W. E.	Stabler, H. F.
Dillinger, J. R.	Huntington, H.	
Edlefsen, N. E.	Ingersoll, J. B.	

Research Associates, Assistants, and Graduate Students

Alpert, N. L.	Herlin, M. A.	Poss, H. L.
Beard, C. I.	Julian, R. S.	Rapman, R. A.
Boyer, K.	Kretzmer, E. R.	Redheffer, R. M.
Cerrillo, M. V.	Luttinger, J. M.	Strandberg, M. W. P.
Davis, L.	Mason, S. J.	Terrall, J. R.
Everhart, E.	Maxwell, E.	Tuller, W. G.
Fano, R. M.	Mutter, W. E.	Van Valkenburg, M. E.
Fundingsland, O. T.	Nagle, D. N.	Winter, D. R.
Galt, J. K.	Parke, N. G.	Zabel, C. W.
Garrison, J. B.	Pellam, J.	Zaffarano, F. P.

Technicians

Ames, S. R.	McCarthy, J. J.
Belinski, A. M.	Nicholas, P. L.
Berg, A. E.	O'Brien, F. J.
Jansen, E. F.	Roman, Ruth
Koury, P.	Rowe, C.
Krasinski, J. E.	Shapiro, I.
Labitt, M.	Smith, W. V.
Lindgren, R. A.	Wolf, Norma