

give men the bare minima of mathematical techniques necessary for a formal approach to their applications. An emergency justifies any remedial action, but our efforts should be directed toward making it unnecessary to use hazy emergency shortcuts to mathematical procedures. With our wide-spread democratic system of secondary and collegiate education, our nation is justified in demanding that we should always have on hand a relative surplus of people with mathematical training through substantial secondary mathematics and also a surplus with elementary college training in the subject.

Further recommendations are taken up under the following headings: Statement of general viewpoints; Recommendations concerning mathematics for those in non-military activities; Evaluation of the mathematical needs of the Army and Navy; Conclusions drawn from results of the program of reviews of books of a mathematical nature used by the Army, Navy and Civil Aeronautics Authority; Recommendations concerning the field of secondary mathematics, and Curricular recommendations at the college level.

#### ELECTION TO BEIT MEMORIAL FELLOWSHIPS

A MEETING of the trustees of the Beit Memorial Fellowships for Medical Research was held on July 25. It is stated in the *London Times* that out of the 30 present fellows 13 had already been seconded at their own request for more direct service during the war, and that six others have undertaken some research work for Government Departments on problems arising out of the war.

The following elections were made, all with permission for each fellow to be seconded at any time for war duties:

*Senior Fellowship* (£700 a year).—T. R. R. Mann, M.D. (Lwow, Poland), Ph.D. (Cambridge).—To continue his work on intra-cellular metallo-protein compounds, especially of red blood cells. At the Molteno Institute of Biology, University of Cambridge.

*Fourth Year Fellowships* (£500 a year).—J. F. Danielli, B.Sc., Ph.D. (London).—To continue his work on the permeability of muscle fibers and of capillaries. At the Biochemical Laboratory, University of Cambridge.

Miss C. O. Hebb, M.A. (Dalhousie), Ph.D. (McGill University).—To continue her studies of physiological problems in relation to high altitudes. At the Department of Physiology, University of Edinburgh.

H. Lehmann, M.D. (Basle), Ph.D. (Cambridge).—To continue his work on the influence of shock and of the suprarenal glands on glycogen synthesis. At the Biochemical Laboratory, University of Cambridge.

*Junior Fellowships* (normal value £400 a year).—E. F. Gale, B.Sc. (London), Ph.D. (Cambridge).—1851 Exhibition Senior Student, Fellow of St. John's College, Cambridge.—To study bacterial amine production as a cause of non-specific infantile diarrhoea. At the Biochemical Laboratory, University of Cambridge.

W. Holmes, B.A. (Oxford), Christopher Welch Scholar in Biology, Senior Demy of Magdalen College.—To study the regeneration of nerve fibers after injury. At the Department of Zoology, University of Oxford.

Miss M. F. Lockett, M.D. (London), M.R.C.P., Owen-Roberts memorial scholar, London School of Medicine, research student in pharmacology, Cambridge.—To identify renal pressor substances responsible for experimental high blood pressure. At the Pharmacological Laboratory, University of Cambridge.

#### REPRESENTATION BY INSTITUTIONS AT THE MARINE BIOLOGICAL LABORATORY

*The Collecting Net* reports that there are 278 investigators present this summer at the Marine Biological Laboratory, Woods Hole, as compared with 293 at the same time last year. The following institutions are represented by three or more investigators:

Institution	1941	1940
Pennsylvania .....	30	34
New York .....	23	21
Columbia .....	18	22
Yale .....	13	8
Hopkins .....	12	8
Harvard .....	9	7
Ohio State .....	9	8
Chicago .....	8	13
Rockefeller Institute .....	8	9
Michigan .....	7	4
Princeton .....	7	5
Brown .....	6	5
Cornell .....	6	6
Pittsburgh .....	6	7
Cincinnati .....	5	4
Lilly Laboratories .....	5	4
Milton Academy .....	5	4
Vassar .....	5	2
Villanova .....	5	2
Washington .....	5	5
California .....	4	5
California Tech. ....	4	2
Iowa .....	4	4
Mt. Holyoke .....	4	2
Queens .....	4	4
Rochester .....	4	2
C. C. N. Y. ....	3	3
Illinois .....	3	2
Miami .....	3	2
Minnesota .....	3	2
Missouri .....	3	6
Oberlin .....	3	3
Syracuse .....	3	5
Temple .....	3	3
Toronto .....	3	5
Union .....	3	4
Williams .....	3	3

#### THE CHICAGO MEETING OF THE ACADEMY OF OPHTHALMOLOGY AND OTOLARYNGOLOGY

THE forty-sixth annual meeting of the American Academy of Ophthalmology and Otolaryngology will be held at the Palmer House, Chicago, from October 19 to 23, under the presidency of Dr. Frank R. Spencer, of Boulder, Colo.