

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.

The program consists of one general scientific meeting on the morning of the first day, separate programs for the two specialties on alternate afternoons and instructional courses every morning beginning on Tuesday.

The feature of the general opening meeting will be a symposium on vertigo, with Dr. Francis H. Adler, Philadelphia, representing ophthalmology; Dr. William J. McNally, Montreal, otolaryngology, and Dr. Bernard Alpers, Philadelphia, neurology.

During the convention there will be various meetings of small groups, including the "Teachers' Section," secretaries of local eye, ear, nose and throat societies and alumni organizations. The meeting of the teachers' section will be concerned especially with the role of the academy in national defense during the present emergency. There will also be a scientific exhibit that will include such subjects as "Ocular Conditions in Children Due to Systemic Disease," "Conduction of Sound in the Ear," "Hemophilia and Other

Blood Dyscrasias as Manifest in the Eye, Ear, Nose and Throat," "Cancer of the Larynx" and "Significance of the Eyegrounds in the Problem of Hypertension."

Alternating with the scientific programs each afternoon will be an elaborate motion-picture program. Thus when the section of ophthalmology is meeting for formal presentation of papers, motion pictures on otolaryngology will be available for those interested in that field.

Dr. Perry Goldsmith, professor of otolaryngology in the University of Toronto Faculty of Medicine, Toronto, Ont., will be the guest of honor this year.

Officers of the academy in addition to Dr. Spencer are Drs. Ralph Irving Lloyd, Brooklyn, *president-elect*; Everett L. Goar, Houston, Texas; James M. Robb, Detroit, and Ralph O. Rychener, Memphis, Tenn., *vice-presidents*, and Secord H. Large, Cleveland, *comptroller*. Dr. William P. Wherry, Omaha, Nebr., is executive secretary-treasurer.

SCIENTIFIC NOTES AND NEWS

DR. WILLIAM DE B. MACNIDER, Kenan research professor of pharmacology at the University of North Carolina, who retired in July as dean of the Medical School, has been elected president of the Society for Experimental Biology and Medicine.

THE honorary degree of doctor of science has been conferred by the College of Wooster on Dr. Benjamin Harrison Willier, professor of zoology and chairman of the department of biology at the Johns Hopkins University.

DR. C.-E. A. WINSLOW, Lauder professor of public health at the School of Medicine of Yale University, has been appointed Rosenberg lecturer in the Public Social Services at the University of California for the fall semester of 1941. He will give two courses in the department of Social Welfare, one for undergraduates and one for graduate students, and will offer a lecture series open to the general public. In addition it is expected that he will travel throughout California to speak to various groups. The lectureship was established two years ago by the Rosenberg Foundation of San Francisco for the purpose of bringing to the university for one semester at a time distinguished authorities on the public social services.

THE second Sanford E. Thompson Award "for outstanding merit on concrete and concrete aggregates" presented at an annual meeting of the American Society for Testing Materials has been made to W. T. Thomson, assistant professor in the department of applied mechanics in the Kansas State College, in recognition of a paper entitled "A Method of Mea-

suring the Thermal Diffusivity and Conductivity of Stone and Concrete."

THE James R. Jewett and Vieno Johnson prizes, of \$100 and \$50, respectively, have been awarded by the Arnold Arboretum of Harvard University to Mrs. Wilfred O. White, of Boston and Vineyard Haven, Mass., and to Mrs. Ina Snow, of Truro, Mass., in appreciation of their interest in developing the utilization of the native beach plum, *Prunus maritima*. These prizes, made possible through the interest of Professor James R. Jewett, of Harvard University, are to be awarded annually to individuals who have made significant contributions to the improvement of the beach plum and other native fruit plants. This is the first award.

THE Melchett Medal of the British Institute of Fuels for 1941 has been awarded to Dr. Clarence A. Seyler, of Swansea, in recognition of his work on coal and its constitution. W. M. Selvey has been elected president of the institute to succeed Sir John Greenly.

FREDERICK OSBORN, research associate in anthropology at the American Museum of Natural History, has been nominated by President Roosevelt to be brigadier-general in command of the morale branch of the Army. He succeeds Brigadier-General James A. Ulloa.

Nature reports that the sixty-seventh annual general meeting of the Physical Society, London, was held on July 25 with Professor Allan Ferguson in the chair. The reports of the council and of the treasurer were adopted and the following officers for