

Lloyd W. Taylor, *chairman*, Oberlin College.
 Ralph W. Tyler, *vice-chairman*, the Ohio State University.
 A. C. Kinsey, *secretary*, Indiana University.
 H. J. Arnold, Columbia University.
 Carey Croneis, University of Chicago.
 Bert Cunningham, Duke University.
 C. C. Furnas, Yale University.
 Dr. Neil E. Gordon, Central College, Fayette, Mo.
 Joel S. Georges, Wright Jr. College, Chicago.
 M. F. Guyer, University of Wisconsin.
 E. R. Hedrick, University of California.
 C. J. Lapp, University of Iowa.
 Kirtley Mather, Harvard University.
 Homer C. Sampson, the Ohio State University.
 Paul B. Sears, the University of Oklahoma.

Report submitted by the Committee on Place of Science in Education.

OTIS W. CALDWELL, *Chairman*

AWARDS OF THE ELIZABETH THOMPSON SCIENCE FUND

At a meeting of the trustees of the Elizabeth Thompson Science Fund held on April 20, the following grants were awarded:

\$200 to Dr. Kurt G. Stern, Yale University, for the continuation of his work on the constitution of catalase and the mechanism of enzyme action; \$257 to Dr. Ludvig G. Browman, the Montana State University, for studies of oestrous and activity rhythms of rats under various light conditions; \$59.41 to Dr. C. R. Johnson, the University of Texas, for research on atomic weights of various elements, particularly cadmium; \$200 to Dr. J. O. Pinkston, the American University of Beirut, for a study of the pharmacological relationship between certain sympathomimetic drugs and chemical mediators of the sympathetic nervous system; \$325 to Leigh Chadwick and Dr. H. E. Edgerton, Harvard University and the Massachusetts Institute of Technology, to obtain high-speed motion pictures of insects in flight; \$150 to Dr. L. T. Evans, the Montana State University, for work on the relation of the male sex hormone in mating and territory behavior and of anti-hormones in turtles and lizards; \$250 to Dr. Edward Girden, for a continuation of his study of auditory phenomena.

The trustees of the fund are as follows: G. P. Baxter, president; Jeffries Wyman, Jr., secretary; Charles P. Curtis, treasurer; G. B. Wislocki, J. C. Slater, A. C. Redfield, trustees. The next meeting will be held in April, 1939, and applications for grants should be made to the Secretary, Biological Laboratories, Harvard University, Cambridge, Mass.

CONFERENCE ON SPECTROSCOPY AT THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

A SIXTH spectroscopy conference will be held at the George Eastman Research Laboratories of the Massa-

chusetts Institute of Technology on July 18, 19 and 20, repeating the type of program presented at the conferences held during the past five summers. Reports will be given by spectroscopists from university and industrial research and analytical laboratories, and by biologists, geologists, metallurgists, chemists and physicists who have found spectroscopic equipment useful in their investigations.

Morning and afternoon meetings will be held on three days. Papers and discussions on analysis of materials by the emission spectrum, absorption spectrophotometry, photographic photometry, biological and chemical effects of spectral radiation, and industrial applications of spectroscopy, are being prepared. Copies of the detailed program of the conference will be sent on request to anyone interested, but as the attendance at the conference is limited to two hundred, those expecting to attend from a distance are urged to signify in advance their intention of being present. No fee is charged in connection with the conference.

The usual summer courses on practical and applied spectroscopy will be offered at the institute between June 13 and July 23. Requests for fuller information regarding the conference, including titles of the papers to be presented, and for data regarding the summer courses, should be addressed to Professor George R. Harrison, Department of Physics, Massachusetts Institute of Technology, Cambridge, Mass.

AMERICAN ACADEMY OF ARTS AND SCIENCES

At the annual meeting of the American Academy of Arts and Sciences, held on May 11 at its house, 28 Newbury Street, Boston, 37 new fellows and 16 foreign honorary members were elected. Following are those elected to the scientific sections:

FELLOWS

Mathematical and Physical Sciences

Emile Monnin Chamot, Cornell University.
 Alfred Victor de Foëst, the Massachusetts Institute of Technology.
 John Charles Duncan, Wellesley College.
 Robert Casad Hockett, the Massachusetts Institute of Technology.
 E. Morton Jellinek, Worcester.
 John Moyes Lessells, the Massachusetts Institute of Technology.
 Harold Clayton Urey, Columbia University.

Natural and Physiological Sciences

Marland Pratt Billings, Harvard University.
 Kenneth Vivian Thimann, Harvard University.
 George Bernays Wislocki, Harvard University.

FOREIGN HONORARY MEMBERS

Edgar Douglas Adrian, Cambridge, England.

Sir Joseph Barcroft, Cambridge, England.
Emmanuel Fauré-Frémiet, Paris.
Leopold Ruzicka, Zurich.
Nevil Vincent Sidgwick, Oxford.
Georges Urbain, Paris.

The following officers were elected for the coming year:

President, Dugald Caleb Jackson.
Vice-president for Class I, James Flack Norris.
Vice-president for Class II, Walter Bradford Cannon.

Vice-president for Class III, George Grafton Wilson.
Vice-president for Class IV, Arthur Stanley Pease.
Corresponding Secretary, Leigh Hoadley.
Recording Secretary, Hudson Hoagland.
Treasurer, Horace Sayford Ford.
Librarian, Hervey Woodburn Shimer.
Editor, Charles Henry Blake.

Professor George D. Birkhoff spoke on "Mathematical Advances Since 1900 and Their Influence on Scientific Thought."

SCIENTIFIC NOTES AND NEWS

THE Priestley Medal of the American Chemical Society, awarded for distinguished service to chemistry, will be conferred upon Dr. Marston Taylor Bogert, professor of organic chemistry at Columbia University, at the Milwaukee meeting of the society.

DR. CHARLES FRANCIS BÖDECKER, professor of histology and embryology in the College of Dentistry, Columbia University, was presented with the William Jarvie fellowship medal at a dinner of the New York State Dental Society on May 11. The medal is presented annually to the dentist who "has contributed results of original research or whose high attainments and high standing have been of such character as to have aided and advanced materially the science and art of dentistry."

THE Manson Medal of the Royal Society of Tropical Medicine and Hygiene has been awarded to Major-General Sir Leonard Rogers, retired, and will be presented at the annual general meeting of the society on June 16. The medal is awarded triennially "to the living author of such work in any branch of tropical medicine or tropical hygiene as the council may consider to be deserving of the honor."

ON the occasion of the eleventh Congress of the German Society for Investigation of the Circulation, recently held at Bad Nauheim, Professor Hess of Zürich was awarded the Carl Ludwig Medal, and Professors Spalteholz of Zürich, Jaksch of Prague, Geheimrat Aschoff of Freiburg and Hering of Kiel were named honorary members of the society.

THE second volume of the Collected Works of Professor G. A. Miller, published by the University of Illinois, is in press and is expected to appear during the coming summer. It contains publications issued from 1900 to 1908 in addition to two articles written specially for this volume and relating, respectively, to the history of group theory during the period covered by this volume and the general history of mathematics.

THE honorary degree of doctor of science will be conferred on June 9 by the University of Cambridge

on Dr. Francis Peyton Rous, of the Rockefeller Institute for Medical Research, New York.

DR. ELMER V. MCCOLLUM, professor of biochemistry and head of the department at the School of Hygiene and Public Health of the Johns Hopkins University, recently delivered the Gordon Bell Memorial Lecture, at a special convocation at the University of Manitoba, Winnipeg. The university conferred on Dr. McCollum the degree of doctor of laws.

AMONG honorary degrees to be conferred by the University of St. Andrews will be the doctorate of laws on Dr. E. D. Adrian, Foulerton research professor of physiology and fellow of Trinity College, Cambridge; on Professor R. G. Collingwood, Waynflete professor of metaphysical philosophy and fellow of Magdalen College, Oxford, and on Sir Gilbert Morgan, head of the Chemical Research Laboratory, Teddington. The university had indicated its intention to confer the degree on Dr. R. Tait McKenzie, emeritus professor of physical education in the University of Pennsylvania, who died on April 28.

DR. A. H. GORDON, professor of medicine at McGill University and senior physician of the Montreal General Hospital, was elected president of the American Clinical and Climatological Society at the recent meeting of the society in Atlantic City.

THE South Dakota Academy of Science held its annual meeting at Yankton College on April 29 and 30. The guest speaker was Dr. David D. Whitney, professor of zoology at the University of Nebraska, who spoke on "Heredity in Man." The officers elected for 1938-39 are: *President*, Dr. Ward L. Miller, State College, Brookings; *First Vice-president*, Dr. Walter V. Searight, University, Vermillion; *Second Vice-president*, Dr. A. L. Moxon, State College, and *Secretary-Treasurer*, Professor A. L. Haines, University, Vermillion.

DR. JAMES FRANCK, of the Johns Hopkins University, has been appointed professor of physical chemistry at the University of Chicago. Dr. Franck's ap-