

accept, and it will serve the greatest good to the greatest number by giving every one a fair share in the use of our present limited facilities for publication.

THE GRANTS FOR RESEARCH OF THE NATIONAL ACADEMY OF SCIENCES

PROGRESS has been reported as follows on grants made by the National Academy of Sciences:

BACHE FUND

The researches of Carl H. Eigenmann, for which grants 214 and 220 were made, have been published in the *Memoirs of the Museum of Comparative Zoology*, Vol. 43, Parts 1 and 2, and in the *Proceedings of the American Philosophical Society*, the *Journal of the Washington Academy of Sciences*, and the Indiana "University Studies." The research on fishes of the upper Amazon basin and Lake Titicaca is still in progress.

A preliminary paper on the work of H. W. Norris on cranial nerves of amia and lepidosteus will be published shortly in the *Proceedings of the Iowa Academy of Science*.

Star counts have been made by H. Nort, of Gouda, Holland, for more charts of the southern hemisphere. Additional counts have been made to find distance correction for the Franklin Adams charts. Formulæ have been derived to compute the equatorial coordinates of the fields counted from the declination and the R.A. of the center of the plate and the focal length of the telescope used. The limiting magnitude for ten additional charts of the northern hemisphere has been derived.

Preliminary results of the research of J. C. Jensen, grant No. 218, have been published in the *Proceedings of the Nebraska Academy of Science* for 1919.

Results of the research of H. G. Barbour, of McGill University, grant No. 219, have been published in the *Proceedings for Experimental Biology and Medicine*, 1920; *The Journal of Pharmacology and Experimental Therapeutics*, 1921; and *The American Journal of Physiology*, 1921.

Preliminary results of the research of T. H. Goodspeed, of the University of California, grant No. 224, have been published in the *University of California Publications in Botany*, Vol. 5.

SMITH FUND

There was issued in 1921 as a publication of the Leander McCormick Observatory of the Uni-

versity of the University of Virginia, "349 parabolic orbits of meteor streams and other results," by Charles P. Olivier, a discussion of 22,000 observations of meteors made by members of the American Meteor Society. It is a comprehensive report of results of an investigation which has been aided by several grants from the J. Lawrence Smith Fund at various times since 1913 to Professor S. A. Mitchell, director of the McCormick Observatory, under whose supervision the work has been done.

SCIENTIFIC NOTES AND NEWS

DR. E. A. DE SCHWEINITZ, professor of ophthalmology at the University of Pennsylvania, gave the presidential address at the opening session of the American Medical Association held at St. Louis on May 23.

DR. E. W. RICE, JR., has been elected honorary chairman of the board of directors of the General Electric Company. He will devote his time particularly to the supervision of the scientific, engineering and technical work of the company in this country and abroad.

DR. ROSS AIKEN GORTNER, professor of agricultural biochemistry at the University of Minnesota, has been elected to the office of national president of Phi Lambda Upsilon, the honorary chemical society. He succeeds Dr. Harold A. Fales, of Columbia University.

THE annual meeting of the Iron and Steel Institute, under the presidency of Mr. Francis Samuelson, was held on May 4 and 5 at the house of the institution. The Bessemer Medal was presented to Professor Kotaro Honda.

DR. MURK JANSEN, of Leyden, has received the Umberto I prize awarded every five years by the province of Bologna for the best work or discovery in orthopedics.

At the recent annual meeting of the American Academy of Arts and Sciences the election of the following fellows and foreign honorary members was reported by the council: Class I. The Mathematical and Physical Sciences: Walter Sydney Adams, Pasadena; Gano Dunn, New York; Thomas Alva Edison, Orange, N. J.; Edwin Crawford Kemble, Cambridge; Richard Chase Tolman, Washington; Arthur Stanley Eddington, Cambridge, England. Class II.

The Natural and Physiological Sciences: Nathan Banks, Cambridge; Thorne Martin Carpenter, Boston; Stanley Cobb, Canton, Mass.; Joseph Lincoln Goodale, Boston; Robert Williamson Lovett, Boston; Alfred Clarence Redfield, Boston; Austin Flint Rogers, Palo Alto; William Henry Weston, Jr., Cambridge; Sir Thomas Clifford Allbutt, Cambridge, England; Emmanuel De Margerie, Strasbourg, France. Class III. The Moral and Political Sciences: Edward Channing, George La Piana, William McDougall, Arthur Kingsley Porter, Paul Joseph Sachs, Charles Henry Conrad Wright, all of Cambridge; Henri Pirenne, Ghent, Belgium.

At the recent annual meeting of the members of the Royal Institution, London, the report of the board of visitors was presented and showed that last year 57 new members were elected while 38 were lost by death. The total membership in July last was 826 against 831 in the same month of the previous year. The result of the ballot for new officers was as follows: President, The Duke of Northumberland; treasurer, Sir James Crichton-Browne; secretary, Colonel E. H. Grove-Hills.

DR. LUDWIK SILBERSTEIN, mathematical physicist at the Research Laboratory of the Eastman Kodak Company, has been appointed an associate editor of the *Journal of the Optical Society of America*.

DR. PAUL M. GIESY, formerly with the Calco Chemical Company, has become research chemist with E. R. Squibb & Sons at their Brooklyn, N. Y. plant.

A. W. HICKMAN retired on March 31 from the United States Bureau of Animal Industry after thirty-four years of service. For the last fifteen years he was chief of the Quarantine Division.

DR. DONALD D. VAN SLYKE, member of the Rockefeller Institute for Medical Research, has accepted an appointment as visiting professor in biological chemistry at the Peking Union Medical College for four months, beginning with the fall term of the next academic year. Dr. Harry R. Slack, of the Johns Hopkins Medical School, will be visiting professor in otolaryngology at the college for the academic year 1922-23.

DR. ERNEST FOX NICHOLS, who has been in Honolulu, returned on May 15 to his work as director of pure science in the Nela Park Research Laboratory of the National Electric Lamp Works at Cleveland.

DR. RUTH MARSHALL, professor of zoology in Rockford College, will make an extended trip to Alaska this summer, visiting the Atlin Lake region, Cordova and Ketchikan. She will collect water mites in these regions. Miss Patsy Hughes Lupo, associate professor of botany, will sail from Seattle to Nome on June 1, and will spend the summer in the interior, studying and collecting algæ and fungi.

DR. ELOISE GERRY, microscopist in the office of wood technology at the Forest Products Laboratory, left on May 20 for a field trip through Georgia, Florida and Louisiana. It is her purpose to make experiments and investigations that will assist in developing better methods of obtaining turpentine and rosin from living pine trees. Miss Gerry will work in cooperation with Mr. Austin Cary, of the Washington Office of the Forest Service, and Mr. Lenthal Wyman, of the Southern Experiment Station, members of the Florida National Forest organization and local timber owners.

DR. ROSS AIKEN GORTNER, professor of agricultural biochemistry at the University of Minnesota and national president of the honorary chemical society, Phi Lambda Upsilon, recently lectured at the Armour Institute of Technology and the University of Wisconsin on "The Colloid Chemistry of Wheat and Flour," and at the University of Michigan, Ohio State University and Purdue University on "Vital Phenomena as Colloid Processes." Both lectures were given at the University of Illinois.

DR. C. E. K. MEES, director of the Research Laboratories of the Eastman Kodak Company, gave a lecture entitled "A photographic research laboratory" before the Northeastern Section of the American Chemical Society on May 12.

PROFESSOR E. MELLANBY delivered the Oliver Sharpey lectures at the Royal College of Physicians of London on May 2 and 4, on "Some common defects of diet and their pathological significance."

ON May 11, Professor F. Keeble delivered the first of two lectures at the Royal Institute on "Plant sensitiveness;" and on May 13, Professor O. W. Richardson began a course of two lectures on "The disappearing gap between the X-ray and the ultraviolet spectra." The Friday evening discourse on May 12 was delivered by Dr. H. H. Dale on "The search for specific remedies."

AMONG five busts unveiled in the Hall of Fame for Great Americans at New York University on May 20 was one of Maria Mitchell, the gift of her nephew, William Mitchell Kendall, and the work of Emma S. Brigham. President Henry Noble McCracken, of Vassar College, where Miss Mitchell was professor of astronomy from 1865 to 1888, unveiled the bust.

HENRY MARION HOWE, professor-emeritus of metallurgy in Columbia University, died on May 14 at his home in Bedford Hills, N. Y., in the seventy-fifth year of his age.

DR. JOHN SANDFORD SHEARER, professor of physics at Cornell University since 1910, died on May 18 at the age of sixty-six years.

GEORGE SIMONDS BOULGER, the well known English writer on botany, died on May 4, at the age of fifty-nine years.

SIR ALFRED BRAY KEMPE, president of the London Mathematical Society in 1894, for many years treasurer of the Royal Society, died on April 27, at the age of seventy-three years.

C. L. A. LAVERAN, professor at the Pasteur Institute, Paris, died on May 18, at the age of seventy-seven years. Dr. Laveran, then a French army surgeon serving in Algeria, discovered the parasite of malaria in 1880. He received the Nobel prize for medicine in 1907.

ATHERTON KINSLEY DUNBAR, of Cambridge, fellow for research in cryogenic engineering at Harvard, and William Connell of Cambridge, a carpenter, were instantly killed on May 20, by the explosion of a tank of liquid oxygen in the basement of the Jefferson Physical Laboratory.

SIR CHARLES PARSONS, F.R.S., has conveyed to the trustees of the British Association for the Advancement of Science a gift of £10,000

five per cent. war loan stock, which he has placed unreservedly at the disposal of the council. The London Times writes: "This generous gift comes at an opportune time, as the finances of the association have, like those of other institutions, suffered depletion during the past seven years, and there was a danger that the activities of an association which has rendered notable services to science in the past might suffer restriction. The total grants in aid of research made by the association since its foundation in 1831 exceed £83,000."

THE International Congress of Ophthalmology met in Washington on April 25 and 26. The congress was greeted by Vice-president Coolidge. During the first session, Dr. William H. Wilmer, of Washington, presided. Representatives of many foreign countries attended the meetings. The following officers were elected: *President*, George E. de Schweinitz, Philadelphia, and *secretary*, Luther C. Peter, Philadelphia.

THE Rockefeller Foundation has offered to Indian medical graduates, selected by the scientific board of the Indian Research Fund, five scholarships of \$1,000 each, for the purpose of graduate public health work in America.

THE Royal Academy of Belgium has established a prize of 1,000 francs, which will be awarded biennially, under the name of the *Prix O. van Ertborn*, for the best work on geology.

UNIVERSITY AND EDUCATIONAL NOTES

UNDER the will of the late Mr. Henry Musgrave sums amounting to £57,000 have been bequeathed to Queen's University, Belfast. A Musgrave Research Studentship will be established.

A CONFERENCE of Representatives of the Universities of the United Kingdom was held on May 13 in the Botanical Theater, University College, London. The subjects for discussion were the urgent need for the provision of enlarged opportunities for advanced study and research; the increase of residential accommodation for undergraduate and other students; specialization in certain subjects of study by