

## SCIENTIFIC NOTES AND NEWS

THE Rockefeller Institute for Medical Research on January 20 celebrated the twentieth anniversary of its foundation with a reception at which brief speeches were made by Mr. John D. Rockefeller, Jr., of the Board of Trustees, and Dr. William H. Welch, of the Board of Scientific Directors.

DR. HENRY C. COWLES, of the University of Chicago, was elected president of the Botanical Society of America at the Toronto meeting.

DR. HUGH M. SMITH, who has been United States commissioner of fisheries since 1913, has tendered his resignation. Mr. Herbert Hoover, secretary of commerce, has written to Dr. Smith: "I believe your service for thirty-six years, rising from the bottom to the top, in one of our great scientific bureaus, is unique in the history of the government. The whole country is under an obligation to you for so long and faithful a service."

BRITISH New Year honors include knighthood conferred on Professor C. S. Sherrington, president of the Royal Society and of the British Association and on Professor W. A. Herdman, recently president of the British Association.

EMMANUEL DE MARGERIE, Strasbourg, director of the Geological Survey of Alsace, has been elected correspondent of the Geological Society of America.

MME. CURIE, having been proposed for membership in the French Academy of Medicine, the academy, which has hitherto included no woman, has voted that she is eligible, and it is expected that she will be elected at the next meeting.

DR. N. ANTONI, of Stockholm, has been awarded the Lennalm prize for 1921 by the Swedish Association. He is the author of a number of works on clinical neurology.

THE Paris Academy of Sciences has awarded to M. Georges Claude the Le Conte prize, amounting to 50,000 francs, for his discoveries in the field of industrial chemistry. M. Claude, in a letter expressing his gratitude, announces

that he has decided to divide the amount of the prize between the Société de secours des amis de la science and the research laboratories of the Collège de France.

DR. ALBERT HASSALL, of the Zoological Division of the Bureau of Animal Industry, has been awarded the Steel Memorial Medal for 1921 by the Council of the Royal College of Veterinary Surgeons. Dr. Hassall has been in the Bureau of Animal Industry for the last thirty-five years, and in the course of that time, in addition to publishing numerous papers on parasitology, has built up a complete index catalogue of medical and veterinary zoology.

DR. A. G. IRELAND, associate professor of hygiene and public health at the University of Kentucky, has been appointed state supervisor of physical education and health by the Connecticut State Board of Education.

DR. FRANK P. ELDRED, for twenty years director of the scientific division of Eli Lilly and Company, of Indianapolis, has resigned to engage in consulting work.

WARREN R. SHOLES, of the School of Mines, University of Utah, has received an appointment as mineral examiner in the Utah field division of the United States Land Office.

DR. ROBERT N. NYE, former research assistant to Dr. Frank B. Mallory, has been made assistant director of the division of biologic laboratories of the Massachusetts State Department of Public Health.

MR. S. KRUSE, associate electrical engineer at the Bureau of Standards, who has been engaged in radio development work at the bureau, has been granted a year's leave of absence and has accepted a position with the Hammond Radio Research Corporation, Gloucester, Massachusetts.

PROFESSOR RALPH S. HOSMER, of Cornell University, who has been studying forest conditions in Europe, is returning to the University.

FRED P. BAKER, for the past year and a half assistant director of the Boston station of the school of chemical engineering practice of the

Massachusetts Institute of Technology, has resigned to accept a position with the Proctor and Gamble Company, Cincinnati, Ohio.

DR. RAYMOND W. WOODWARD has resigned as physicist and chief of the section of mechanical metallurgy of the Bureau of Standards, to become chief metallurgist for the Whitney Manufacturing Company of Hartford, Connecticut.

DURING December, Dr. George Joannovich, professor of pathological anatomy, and Dr. Radenko Stankovich, professor of internal medicine of the medical school of the University of Belgrade, paid a visit to London as guests of the Rockefeller Foundation. They had previously made an extensive tour in Canada and the United States, studying methods of medical education and public health administration.

THE course of three Stewart lectures was given in November before the University of Melbourne on "The Modern Psychology," by Dr. R. J. A. Berry, professor of anatomy in the university.

CAPTAIN ROALD AMUNDSEN visited the Department of Terrestrial Magnetism of the Carnegie Institution of Washington on January 16, in order to complete arrangements with regard to cooperative work in terrestrial magnetism and atmospheric electricity between the Department and his forthcoming expedition to the Arctic regions. During the Northeast Passage, 1918-1921, the Amundsen Expedition made a series of highly valuable magnetic observations at somewhat over 50 different points. Captain Amundsen's chief scientific assistant, Dr. H. U. Sverdrup, has been associated with the Department of Terrestrial Magnetism since last October in order to complete the reduction and publication of the magnetic observations thus far obtained by the expedition. He will rejoin the *Maud*, Captain Amundsen's vessel, early in March at Seattle. It is expected that Captain Amundsen will resume his Arctic expedition about June 1. During his brief stay in Washington, Captain Amundsen also paid a visit to the non-magnetic ship *Carnegie*. In the evening he met at the Cosmos Club a num-

ber of the scientific men of Washington with whom he discussed the plans of his Arctic expedition, the chief object of which is to obtain scientific data relating to geography, oceanography, meteorology, gravity, terrestrial magnetism and atmospheric electricity.

THE annual meeting of the British Association will be held in the university buildings at Glasgow on July 21-28 next. The first three days of the meeting will be taken up by the annual representative meeting, and in the evening of July 25 the president, Sir William MacEwen, will deliver his address. Presidents of sections are: Medicine, Professor T. K. Munro (Glasgow); Surgery, Professor Alexis Thomson (Edinburgh); Pathology, Professor Robert Muir (Glasgow); Ophthalmology, Mr. A. S. Percival (Newcastle-on-Tyne); Neurology and Psychological Medicine, Dr. George M. Robertson (Edinburgh); Obstetrics and Gynaecology, Professor Ewen J. Maclean (Cardiff); Microbiology (including Bacteriology), Dr. R. M. Buchanan (Glasgow); Diseases of Children, Sir Herbert F. Waterhouse (London); Public Health, Dr. A. K. Chalmers (Glasgow); Physiology, Professor J. A. McWilliam (Aberdeen); Dermatology, Dr. Leslie Roberts (Liverpool).

AT the last ordinary scientific meeting of the Chemical Society, London, held on January 19, Professor Arthur Smithells gave an account of Dr. Langmuir's theory of atomic structure, and exhibited models. Sir Ernest Rutherford's lecture on "Artificial Disintegration of Elements" will be given on February 9.

DR. LUDWIK SILBERSTEIN of the Research Laboratory, Eastman Kodak Company, lectured before the Franklin Institute on Thursday evening, January 26, on "An optical experiment in connection with the rotation of the earth."

DURING the week of January 9, Dr. H. H. Love, of the Department of Plant Breeding of Cornell University, delivered a series of lectures before the faculty of the School of Agriculture of the Pennsylvania State College on the importance of biometrical methods in interpreting experimental results.

PROFESSOR EDGAR JAMES SWIFT, head of the department of psychology and education in Washington University, gave an address on "The psychology of testimony and rumor" at the Naval War College, Newport, R. I., on January 26.

THE annual meeting of the Society of Heating and Ventilating Engineers was held at the Hotel Pennsylvania from January 24 to 26. Among the papers presented were: "The Control of Blower Motors", by Henry H. Issertel, and "The Underfeed Stoker," by Frank A. De Boos.

THE Mathematics Club of the University of Southern California, which the late Professor Paul Arnold helped to found, proposes to establish as a memorial to him the Paul Arnold Library of Mathematics.

A COMMITTEE has been formed with Mrs. Mary K. Bryan, of the Bureau of Plant Industry, as chairman, to establish a memorial to Miss Eunice R. Oberly, librarian of the bureau from 1808 until her death on November 5. It is planned that the money given by her friends shall be used to establish a prize to be awarded for the work in which Miss Oberly was interested.

SIR GERMAN SIMS WOODHEAD, professor of pathology in the University of Cambridge, died on December 29, at the age of sixty-six years.

DR. REGINALD FARRAR, of Harrow, England, died on December 29, of typhus fever at Moscow, whither he had gone to assist Dr. Nansen in organizing arrangements for famine relief in Russia, under the auspices of the League of Nations and the League of Red Cross Societies.

DR. GEORGE STEWARDSON BRADY, F. R. S., who died at Sheffield on December 25, in his ninetyeth year, was engaged in the practice of medicine and in 1875 became professor of natural history at Armstrong College, Newcastle, retiring as professor emeritus in 1906. He had done much useful work on the material gathered by the *Challenger* Expedition, having published reports on the ostracoda and copepoda. He also wrote a monograph of the free

and semi-parasitic copepoda of the British Islands, and collaborated in a monograph of the ostracoda of the North Atlantic and North-western Europe.

THE annual joint meeting of the American Geographical Society and the Association of American Geographers will be held in New York City on April 28 and 29. The program will be published about April 1. All interested are invited to attend the sessions to be held at the building of the American Geographical Society.

THE Royal Institute of Public Health will hold a congress in Plymouth from May 31 to June 5. In addition to conferences on various matters there will be four sections: (1) state medicine and municipal hygiene; (2) naval, military and air; (3) bacteriology and biochemistry; (4) women and public health. The Harben lectures will be given during the meeting by Dr. T. Madsen, director of the State Serum Institute, Copenhagen.

THE thirteenth annual meeting of the Paleontological Society was held at Amherst, Mass., from December 28 to 30, as the guest of Amherst College, in affiliation with the Geological Society of America. The special meetings of the society were held in the Geology-Biology building, while the members were comfortably lodged in the fraternity houses on the campus. Seven new members were elected at the meeting, making the membership at the end of 1921 total 214. The officers elected for 1922 were as follows: *President*, W. D. Matthew, New York City; *First Vice-President*, E. S. Riggs, Chicago, Illinois; *Second Vice-President*, E. W. Berry, Baltimore, Maryland; *Third Vice-President*, B. L. Clark, Berkeley, California; *Secretary*, R. S. Bassler, Washington, D. C.; *Treasurer*, Richard S. Lull, New Haven, Connecticut; *Editor*, Walter Granger, New York.

THE Russian Academic Group held its first annual meeting on January 12. The group consists of scientific men and women from Russia living in the United States. They have organized with the purpose (1) of studying the social, economic and industrial problems involved in the further development of Rus-

sia; (2) of effecting a closer contact between scientific and educational institutions of America and Russia, and (3) especially of helping the reconstruction of the academic life of the Russian universities and bringing relief to their members.

A LETTER has been received from the Attorney-General of the United States by the University of Chicago in appreciation of Professor Henry C. Cowles, of the department of botany, for his ecological investigations along the Red River for use in connection with a suit between the states of Oklahoma and Texas in the Supreme Court of the United States. "Dr. Cowles' investigations and testimony," the letter states, "have been of great value to the government, and, I am informed, to the cause of science in that they bring to the aid of engineering and physiographic investigations the comparatively new science of ecology, whereby the approximate time of the occurrence of changes in rivers, their flood plains and banks, is now definitely determined."

### UNIVERSITY AND EDUCATIONAL NOTES

IN addition to previous gifts to the building fund totalling \$800,000, Mr. Samuel Mather, of Cleveland, has announced to the trustees of Western Reserve University that he will provide funds for the erection of the new building of the School of Medicine. The estimated cost of the school building is \$1,910,000, of the animal house \$93,500, of the power house \$473,000, and of connecting tunnels \$53,700, totalling \$2,529,700. Plans and specifications are complete and construction will begin in the near future. The medical school building is the first of a group, to be followed by the construction of the Children's Hospital, the Maternity Hospital and the Lakeside Hospital, all of which are affiliated with the School of Medicine. The entire group will be situated on the university campus.

A BEQUEST of \$150,000 to Wesleyan University is contained in the will of Mrs. Dexter Smith of Springfield, Mass. The money will be available either towards erection of a new

library building or for the general endowment fund at discretion of the trustees.

E. I. DU PONT DE NEMOURS AND COMPANY have authorized the continuance of the du Pont chemical fellowships of the total value of \$15,000 in twenty colleges and universities throughout the United States for the academic year of 1922-3. The fellowships are for post-graduate work.

MORLAND KING, who went to Lafayette College last year from Union College as associate professor of electrical engineering, has been made professor and head of the electrical engineering department.

A. L. PITMAN has been appointed assistant director of the Bangor Station of the Massachusetts Institute of Technology's school of chemical engineering practice.

H. R. THEALTON, lately with Stone & Webster in Boston, has been appointed assistant professor of engineering at Dalhousie University, Halifax, Canada.

DR. R. H. ADERS PLIMMER has been appointed by the senate of London University to the university chair of chemistry, tenable at St. Thomas's Hospital Medical School, beginning with the new year. At present he is head of the biochemical department of the Rowett Research Institute at the University of Aberdeen.

### DISCUSSION AND CORRESPONDENCE

#### ABRAHAM COWLEY AND THE AGRICULTURAL COLLEGE

I HAVE recently come upon a very interesting piece of history relating to agricultural education, while re-reading the essays of Abraham Cowley. The paper on agriculture in volume II of the 1707-1712 edition of his works contains one of the first recorded recommendations that I can find regarding the organization of agricultural colleges. In that essay he has the following to say:

Did ever a father provide a tutor for his son to instruct him betimes in the nature and improvements of that land which he intended to leave him? . . . I could wish (but can not in