

sity. Among previous recipients of the Cullum Medal have been Robert E. Peary, Robert F. Scott, Sir Ernest H. Shackleton and Albert I. Prince of Monaco.

Professor Herbert John Fleure is known for his work on human geography. He is honorary secretary of the British Geographical Association and honorary editor of the magazine *Geography*, published by the association, and has taken an active part in the Regional Survey Movement in Great Britain. He is the author of several books and a number of articles, some of which have appeared in *The Geographical Review*, and is the joint author of "The Corridors of Time." Among those who have received the Charles P. Daly Medal in the past have been Roald Amundsen, Vilhjalmur Stefansson, Sir Francis Younghusband, Robert A. Bartlett and Roy Chapman Andrews.

John R. Rymill, to whom the David Livingstone Centenary Medal has been awarded, served as surveyor on two British Arctic air route expeditions led by H. J. Watkins. When, in 1932, on the second of these expeditions, Watkins died, Mr. Rymill succeeded him as leader. In 1935 he organized the British Graham Land expedition, which from January of that year to March, 1937, carried on, under his leadership, highly

important, accurate, detailed survey work in Graham Land on the Antaretic Continent. The David Livingstone Centenary Medal has been awarded in the past to Theodore Roosevelt, Richard Evelyn Byrd, Hjalmar Riiser-Larsen and Lincoln Ellsworth.

Honorary membership in the society has been awarded to Sir Wilfred Grenfell for his contributions to geographical knowledge concerning the Labrador Peninsula; Henri Baulig, geomorphologist and professor of geography at the University of Strasbourg, and Giotto Dainelli, professor of geology and physical geography at the University of Florence.

Corresponding memberships have been awarded to: Ernst Antevs, research associate of the Carnegie Institution of Washington; Ludwig Leonhard Mecking, professor of geography at the University of Münster; William E. Rudolph, a civil engineer who has carried out extensive explorations in South America; Paul Gerhard Schott, retired section chief of the Deutsche Seewarte and honorary professor at the University of Hamburg, and Laurence Dudley Stamp, a reader in economic geography at the University of London and director of the Land Utilization Survey of Great Britain.

SCIENTIFIC NOTES AND NEWS

THE University of St. Andrews will confer the honorary degree of doctor of laws at a graduation ceremonial to be held in Dundee during the visit of the British Association for the Advancement of Science to that city, on the following: William Boyd; Broughty Ferry; Frederick Tom Brooks, professor of botany at the University of Cambridge; William Graham Campbell, lecturer in orthodontics at the Dental School of the university; Charles Galton Darwin, director of the National Physical Laboratory; Alexander McKenzie, professor of chemistry emeritus at University College, Dundee; Sir Albert Charles Seward, until 1936 professor of botany at the University of Cambridge, president of the British Association; Professor Richard Vynne Southwell, professor of engineering science at the University of Oxford, and Sir Aurel Stein.

THE degree of doctor of science was conferred by the University of Pittsburgh at the commencement exercises on June 14 on Dr. Davenport Hooker, professor and head of the department of anatomy in the School of Medicine.

THE honorary degree of doctor of science was conferred by the Ohio Wesleyan University at its commencement on June 12 on Dr. C. E. Ferree, director of the research laboratory of physiological optics of the Johns Hopkins University.

THE honorary degree of doctor of science was con-

ferred upon Admiral Leo Otis Colbert, director of the U. S. Coast and Geodetic Survey, by Tufts College, Massachusetts, at its eighty-third commencement exercises, by President Leonard Carmichael. The citation read: "The world has never needed maps more than it does to-day. Leo Otis Colbert, gifted investigator and cartographer-in-chief of our coasts, I confer upon you the degree of Doctor of Science."

THE annual award of the American Pharmaceutical Manufacturers' Association was presented to Dr. Nathan B. Eddy and Dr. Lyndon F. Small, of the U. S. Public Health Service, at the recent annual meeting, in recognition of the "fundamental and outstanding studies of the chemistry, pharmacology and therapeutics of morphine derivatives for the alleviation of human suffering."

For his paper presented at the 1938 annual meeting of the American Society for Testing Materials on "Drying Shrinkage of Concrete as Affected by Many Factors," R. W. Carlson, associate professor of civil engineering at Massachusetts Institute of Technology, has been awarded the Charles B. Dudley Medal of the society. This medal, which commemorates the name of the first president of the society, is awarded "to the author of the paper which is of outstanding merit constituting an original contribution on research." The presentation was made at the annual meeting on June 28.

THE Andrew Carnegie Gold Medals of the British Iron and Steel Institute for 1938 have been awarded to Dr. James White, of Glasgow, for his paper on "Equilibrium at High Temperatures in Systems Containing Iron Oxides," and to Dr. W. Ruff, of Wetzlar-Lahn, Germany, for his paper on "The Running Quality of Liquid Malleable Iron and Steel," published in 1936.

A PORTRAIT of Dr. Edward Lee Thorndike, professor of educational psychology and director of the Division of Psychology of the Institute of Educational Research at Teachers College, Columbia University, has been presented to Wesleyan University, from which he graduated in 1895. The portrait, which was painted by Howard L. Hildebrandt, was placed on public view on June 18 in the Honors College of the university.

VISCOUNT NUFFIELD and John Davison Rockefeller have been elected fellows of the Royal Society in accordance with the terms of Statute 12, which provides for the election of persons who, in the opinion of the council, "either have rendered conspicuous service to the cause of science, or are such that their election would be of signal service to the society."

DR. ALBRECHT PENCK, professor of geography at Berlin, has been elected a foreign member of the Vienna Academy of Sciences. The honorary doctorate of the University of Berlin has also been conferred on Dr. Penck.

M. LÉON BINET, professor of physiology in the Paris Faculty of Medicine, has been elected a member of the Académie de Médecine in the section of biological sciences, in succession to the late Dr. Antoine Bédère.

DR. HANS SPEMANN, professor of embryology at Freiburg in Breslau, celebrated his seventieth birthday on June 27; Dr. Walther Nernst, professor of physics at Berlin, celebrated his seventy-fifth birthday on June 25, and Dr. Max Planck, professor of physics at Berlin, celebrated the sixtieth anniversary of his doctorate on June 28.

DR. G. DONALD HUDSON has been appointed professor of geography at Northwestern University. For the past five years he has been with the Tennessee Valley Authority, first as chief of the Section of Geography and later of the Land Planning Division.

DR. MALCOLM BRUS KILDALE, of Salt Lake City, Utah, has been appointed successor to Cyrus Fisher Tolman, who retired from the chair of economic geology at Stanford University in 1938.

DR. LEO HESS, privat-docent in the department of internal medicine at the University of Vienna, arrived on June 27 in Waltham, Mass., to take up his work in the School of Medicine of Middlesex University.

DR. OWEN HERBERT WILLIAMS, lecturer in clinical surgery, honorary surgeon to the Royal Liverpool United Hospital and honorary surgeon to the Liverpool Radium Institute, has been appointed professor of surgery at the University of Liverpool, in succession to Professor R. E. Kelly, who is retiring on reaching the age limit.

DR. J. F. McCLENDON has resigned as professor of physiological chemistry at the Medical School of the University of Minnesota, in order to accept the research professorship of physiology at the Hahnemann Medical College, Philadelphia.

DR. WINIFRED GOLDRING, assistant state paleontologist of the New York State Museum at Albany, has been promoted to the position of state paleontologist to succeed Dr. Rudolf Ruedemann, who retired on November 1, 1937. Dr. Goldring has had a provisional appointment since August 1, 1938.

DR. WILLARD M. HOEHN, research associate in biochemistry, Mayo Foundation and Mayo Clinic, has resigned to become endocrinological chemist at George A. Breon and Company, Inc., Research Laboratories, Kansas City, Mo.

DR. WILLARD C. RAPPLEYE, dean of the College of Physicians and Surgeons of Columbia University, was elected president of an advisory council established at a meeting held on June 24 at Chicago, by representatives of the Association of American Medical Colleges, the American Hospital Association, the Catholic Hospital Association, the Federation of State Medical Boards of the U. S. A., the Advisory Board for Medical Specialties, the National Board of Medical Examiners, the American College of Physicians, the American College of Surgeons, the Association of American Universities, the American Association for the Advancement of Science and the American Public Health Association. The purpose of the council is to correlate the efforts of universities, hospitals, licensing bodies, public health associations and boards of specialists.

Nature reports that the British Medical Research Council has appointed the following committees to advise and assist in promoting investigations into problems of preventive medicine: Sir W. Wilson Jameson, dean of the London School of Hygiene and Tropical Medicine, *chairman*, J. H. Brincker, J. Fenton, J. Ferguson, W. M. Frazer, L. H. R. Harries, A. Bradford Hill, W. D. Hood, J. R. Hutchinson, R. A. McCance, A. S. M. MacGregor, R. H. Parry, Professor R. M. F. Picken, W. M. Scott, J. C. Spence, Professor W. W. C. Topley, D. K. M. Chalmers, of the National Institute for Medical Research, *secretary*.

PROFESSOR ERNEST B. BABCOCK, head of the Division of Genetics of the College of Agriculture of the

University of California, has been invited to serve as a vice-president of the seventh International Botanical Congress, which will be held in Stockholm in July, 1940.

THE John and Mary Markle Foundation of New York recently made a grant of \$3,000 for studies of liver poisoning in the department of chemistry at the Medical College of Virginia. This project will be under the direction of Dr. J. C. Forbes, associate professor of biochemistry at the college. The Dazian Foundation for Medical Research has also made a grant of \$700 to the college for research in preventive medicine.

THE Committee on Scientific Research of the American Medical Association has made a grant to Dr. Max Schnitker, junior attending surgeon of the neurosurgical service of Toledo Hospital, Ohio, for investigations on the Berger Rhythm to be carried out in the department for medical research. A grant has been made to the department of surgery of the University of Chicago for aid in continuing work on the problem of ascertaining the mechanism of the recovery of blood pressure on completely sympathectomized dogs.

PROFESSOR G. D. HALE CARPENTER, who succeeded Sir Edward Boulton as head of the Hope department of zoology (entomology) of the University Museum, Oxford, has accepted an invitation from the chairman of the National Research Council in Washington, D. C., to attend the Pacific Science Congress in California, which will be held from July 24 to August 12. In California, he will be met by E. P. Mumford, an official member of the congress, now at Columbia University, on leave of absence from Oxford.

STANLEY D. WILSON, dean of the College of Natural Sciences and professor of organic chemistry at Yenching University, Peiping, China, is returning to the United States for a year's furlough beginning this July.

THE officers, executive committee and members of the Division of Geology and Geography, National Research Council, for the year beginning July 1, 1939, are as follows: *Chairman*, Chester R. Longwell; *Vice-chairman*, Preston E. James; *Executive Committee*, Chester R. Longwell, Preston E. James, Edson S. Bastin, Stephen R. Capps, Charles C. Colby, George Tunell; *Representatives of Societies*, Stephen R. Capps and John L. Rich, Geological Society of America; George Tunell, Mineralogical Society of America; Charles E. Resser, Paleontological Society; Preston E. James and C. Warren Thornthwaite, Association of American Geographers; Charles B. Hitchcock, American Geographical Society; Edson S. Bastin, Society of Economic Geologists; Robert B. Sosman, American Ceramic Society; F. H. Lahee, American Association

of Petroleum Geologists; *Members at Large*, Norman L. Bowen, Charles C. Colby and Chester R. Longwell.

FOR some time past it has been occasionally impossible to accommodate investigators from other universities at the Biological Laboratory of the Atkins Institution, Soledad, Cienfuegos, Cuba. This difficulty has usually arisen from the fact that a good many visitors from Cambridge, both zoological and botanical, use Harvard House at Soledad during the summer months. This situation now is entirely changed. A new building has been erected with comfortable sleeping accommodations for sixteen persons so that there should be no question whatever, in the future, of overcrowding. Harvard University, therefore, will welcome inquiries concerning the facilities which are offered at the Cuban Station, where board and lodging are provided at \$2.50 a day. Inquiries concerning the station may be addressed to Thomas Barbour, Custodian, Museum of Comparative Zoology, Cambridge, Massachusetts.

THE department of geology of the University of Kansas plans an enlarged program for the coming year. New curricula leading to the degree of B.S. in geology are to be introduced, with provision for options in general, petroleum, mining or geophysical work. On the graduate level, new courses in stratigraphy, ground water geology and geologic interpretation of aerial photographs will be offered by Dr. R. C. Moore, Dr. K. K. Landes and Dr. H. T. U. Smith, respectively. Dr. Robert M. Dreyer will be added to the instructional staff, and Dr. Landes will begin serving as chairman of the department, succeeding Dr. Moore, who has withdrawn in order to devote more time to the expanded program of the State Geological Survey.

THAT the leaders of science in Czecho-Slovakia have made every endeavor to continue scientific investigations during the past fateful year is indicated, according to *Nature*, by the fifteenth annual report of their National Research Council. At the annual general meeting in March, Professor B. Němec referred to the interruption of scientific work occasioned by the country's loss of territory and institutions. Research activities were therefore upon a restricted basis, though, he emphasized, it is necessary for a small nation to maintain its cultural activities at the highest possible level. He urged that renewed efforts be made to utilize all the country's remaining scientific institutions and resources for the continuance of all programs of research. Dr. Ulrich, secretary of the council, stated that donations were received from industries, corporations and private individuals so that as many students as funds permitted are being supported in the continuance of their work. Investigations in all branches of the natural sciences are still in progress at the universities and at approved institutes.