

B.S. and A.M. in chemistry and research workers for the degree of Ph.D., as well as students in the school of education.

Professor Kendall was born in Surrey, England, on July 30, 1889, and received his early training at the University of Edinburgh. He was appointed instructor in chemistry at Columbia University in 1913, assistant professor in 1915 and professor in 1922. He is the author of over sixty papers in the field of inorganic and physical chemistry and also of revisions of a number of the text books written by the late Professor Alexander Smith.

Professor Kendall will be accompanied to his new post by Dr. Eric R. Jette, of Columbia, who will assist in the further development of undergraduate instruction and of graduate research, with the rank of assistant professor. Dr. William West, of Edinburgh University, who has been research assistant to Professor Kendall during the past year, will also make the transfer to Washington Square College, where he will hold the rank of instructor. Professor MacTavish will continue in his position as director of the chemical laboratories.

SCIENTIFIC NOTES AND NEWS

THE American Philosophical Society will hold its annual meeting in Philadelphia on April 22, 23 and 24, under the presidency of Dr. Charles D. Walcott, secretary of the Smithsonian Institution. The annual dinner will take place at the Bellevue-Stratford Hotel on the evening of April 24.

DR. GEORGE L. STREETER, of the department of embryology, Carnegie Institution, has been elected president of the American Association of Anatomists. Other officers elected are: *Vice-president*, Professor Stephen W. Ranson, Washington University, St. Louis; *secretary and treasurer*, Dr. Lewis H. Weed, the Johns Hopkins University. Members of the executive committee: Professor George W. Conner, University of Rochester, and Professor Edmund V. Cowdry, Rockefeller Institute.

THE Association of the Alumni of the College of Physicians and Surgeons in New York gave a dinner on March 19, at the Waldorf-Astoria, in honor of Dr. William H. Welch, director, School of Hygiene and Public Health, the Johns Hopkins University. Dr. Welch spoke on "Reminiscences of the College of Physicians and Surgeons in the Seventies."

DR. WILLIAM P. MASON, for fifty years professor of chemistry at Rensselaer Polytechnic Institute, was the guest of honor at a dinner of the Rensselaer alumni at the Hotel Biltmore, New York, on February 6. Dr. Mason recently retired from active service with the institute.

PROFESSOR CAMILLE MATIGON, professor of mineral chemistry at the University of Paris, has been elected a member of the French Academy of Sciences, in the section of chemistry, in the place of M. Haller.

DR. A. C. SEWARD, professor of botany at the University of Cambridge and vice-chancellor of the university, and S. L. Pearce, commissioner of electricity at Manchester, have been recommended for the honorary degree of doctor of science at the University of Manchester.

PROFESSOR GOSIO, of the Italian public health service, has been awarded three distinct prizes, according to the Italian correspondent of the *Journal* of the American Medical Association; the first prize of the Pagliani Foundation (5,000 liras and a gold medal) competed for by distinguished workers in the field of public health; a gold medal conferred by the exposition of applied chemistry, recently held in Turin; and one of the four gold medals struck by the school of tropical medicine of Hamburg, on the occasion of its twenty-fifth anniversary.

THE Academy of Medicine, Paris, has awarded the Prince Albert of Monaco prize of 100,000 francs to Professors Hédon, of Montpellier, and Laguesse, of Lille, for their respective works on the internal secretion of the pancreas and the organization of scientific work.

THE council of the British Institution of Mining and Metallurgy has awarded its gold medal to Sir Robert Kotzé in recognition of his services to the mining industry, with special reference to his work on the dust problem in the mines of the Rand, and of his public work in promoting the development of the natural resources of the Union of South Africa.

CHARLES LALLEMAND has been elected president of the French Academy of Sciences.

SIR HENRY MIERS, F.R.S., vice-chancellor of the University of Manchester and former professor of mineralogy at Oxford University, has been elected a trustee of the British Museum in succession to the late Dr. W. Bateson.

PROFESSOR WILBUR A. NELSON, Virginia state geologist and head of the school of geology of the University of Virginia, has been appointed chairman of the advisory council of the United States board of surveys and maps.

DR. O. W. RICHARDSON, professor of physics at the University of London, has been elected president of the Physical Society, of England.

SIR JOHN DEWRANCE has been elected to succeed Professor T. Turner as president of the Institute of Metals, England. Sir Robert B. Dixon, Sir Thomas

Rose and Mr. W. Murray Morrison were elected vice-presidents.

DR. R. E. M. WHEELER, director of the National Museum of Wales, has been appointed keeper, secretary and accounting officer of the London Museum, in succession to Mr. F. A. H. Oates, who has retired.

GEORGE P. GRAY has resigned as chief of the division of chemistry of the Department of Agriculture of California, a position which he has held since the formation of the department in 1919.

HARRY W. TITUS has resigned the position of nutrition chemist and associate professor of animal nutrition with the New Mexico College of Agriculture and Mechanic Arts, to take a position as associate biological chemist, nutrition investigations, Bureau of Animal Industry, Beltsville, Md.

DR. J. G. LIPMAN, dean of agriculture at Rutgers University, sailed for Europe on March 24, to attend a meeting of the executive committee of the International Society of Soil Science, to be held at Groningen, Holland, from April 2 to 7.

DR. ARTHUR W. GILBERT, Massachusetts commissioner of agriculture, sailed on April 7 to attend a conference of the International Institute of Agriculture at Rome, on April 19, before the preparatory committee meeting to be held under the auspices of the League of Nations at Geneva.

DEAN FRANKLIN MOON, of the New York State College of Forestry, Syracuse University, has been appointed by Governor Alfred E. Smith as the representative for New York State at the International Forestry Conference to be held in Rome, Italy, beginning April 29 and ending May 5.

PROFESSOR H. H. WHETZEL, of the department of plant pathology at Cornell University, and Dr. Fred J. Seaver, mycologist for the Missouri Botanical Garden, recently returned from a five weeks' mycological collecting trip in the Bermuda Islands.

DR. GEORGE T. MOORE, director of the Missouri Botanical Garden, has returned from a trip to Central America, having visited Cuba, Jamaica, Costa Rica, Honduras and Panama. Dr. Moore secured a number of additions to the garden's collections of tropical plants.

H. W. KRIEGER, curator of ethnology in the U. S. National Museum, has left for Alaska, where he is going under the auspices of the U. S. Bureau of Ethnology for the purpose of treating and restoring the totem poles of the National Monument at Kasaan, in southeastern Alaska.

DR. L. W. MCKEEHAN, of the Bell Telephone Laboratories, New York City, will give a series of three

Bartol Research Foundation lectures on "Magnetostriction" before the Franklin Institute, Philadelphia, on April 13, 16 and 21.

DR. C. F. MARVIN, chief of the U. S. Weather Bureau, will lecture before the Franklin Institute on April 15 on the subject of "Solar Radiation and Weather Forecasting."

A. D. LITTLE, of A. D. Little and Company, gave a public address on the subject "The Romance of Carbon" in connection with the seventy-first meeting of the American Chemical Society, which took place in Tulsa, Oklahoma, from April 5 to 9.

DR. W. J. THOM, Jr., of the U. S. Geological Survey, recently completed a series of lectures at Princeton University on the geology of petroleum and coal.

DR. JOHN J. R. MACLEOD, professor of physiology at the University of Toronto, addressed the annual banquet of the Kansas City Academy of Medicine on February 5 on "Some Further Work on Insulin."

ON March 20, Professor G. S. Brett, of the department of philosophy in the University of Toronto, delivered an address to the Royal Canadian Institute on the subject "The Dawn of Modern Science."

DR. CHARLES P. BERKEY, of the department of geology at Columbia University, recently gave lectures before the Geographic Society of Chicago, Northwestern University, the Universities of Wisconsin, Minnesota and Kansas and the Missouri School of Mines. Personal experience in two widely different fields of investigation formed the basis of these lectures—the explorations of the third Asiatic expedition in Central Asia and the applied geology of the Catskill aqueduct of New York City.

DR. J. E. ACKERT, of the Kansas State Agricultural College, addressed the Phi Sigma Society of the University of Nebraska, on March 17, on the subject, "Recent Developments in Medical Zoology."

DR. GEORGE F. KAY, head of the department of geology in the State University of Iowa, and state geologist of Iowa, gave a lecture on "The Pleistocene Deposits of Iowa" to the staff and graduate students of the department of geology of Harvard University on March 15, and at Yale University on March 16.

DR. E. F. BURTON, of the department of physics at Toronto University, lectured at the University of Minnesota on March 30 on "The Physics of the Ultra-microscope: Its Structure and Use, and the Optical Properties of Suspended Particles and Colloidal Cells."

DR. THOMAS BUCK HINES, in charge of the research work for Western Electro-Chemical Company and

formerly of the Chemical Warfare Service, died on February 10.

SIR PHILIP WATTS, F.R.S., lately director of naval construction in the British Navy, died on March 15, at the age of seventy-nine years.

PROFESSOR AIMÉ WITZ, an authority on internal-combustion engines and heat utilization, died on January 25, at Lille, France, in his seventy-seventh year. Professor Witz had taken a prominent part in electrical developments in France.

CHARLES DUFOUR, formerly director of the Parc Saint-Maur Observatory, has died.

THE first American Health Congress will be held in Atlantic City from May 17 to 22, under the auspices of the National Health Council. The meeting will represent five years of achievement of the sixteen organizations forming the National Council. It will bring together health workers from all parts of the country, for the consideration of common problems. Among the speakers will be Sir Arthur Newsholme, founder of the ministry of health in England; Dr. C.-E. A. Winslow, president of the American Public Health Association; Dr. Clarence D. Selby, president of the Ohio State Medical Society; Dr. Ray Lyman Wilbur, president of Stanford University and past-president of the American Medical Association, and Dr. George E. Vincent, president of the Rockefeller Foundation.

ANNOUNCEMENTS of future meetings of the Institute of Medicine of Chicago include two lectures by Sir Arthur Newsholme, of London, on May 10 and 11, at the University of Chicago, with which the lectures have been arranged conjointly; Professor Friedrich Mueller, of Munich, Germany, in October, 1926; Dr. Francis W. Peabody, Boston, October 29, when the third annual joint meeting with the Society of Internal Medicine will be held, and the seventh Pasteur lecture, November 19, by Dr. Donald Van Slyke, of the Rockefeller Institute.

THE third annual meeting of the South Carolina State Academy of Science was held recently at LeConte College, University of South Carolina. The morning session was opened by an address of welcome by Dr. A. C. Moore. The response was given by Dr. F. H. H. Calhoun, of Clemson College. At the business meeting the following officers were elected: *President*, Dr. A. C. Moore, of the University of South Carolina; *vice-president*, Dr. H. W. Barre, of Clemson; *permanent secretary and treasurer*, Dr. G. C. Bruce, of Winthrop; *council members*, Dr. Stephen Taber, of Carolina; Dr. R. H. Sullivan, of the United States Weather Bureau; Professor H. E. Sturgeon, of Presbyterian College. Seventy-five members were

in attendance. The address of the retiring president, Dr. F. H. H. Calhoun, was on "The Religion of the Scientist."

ON March 27, three hundred and seventy-five members and friends of the science organization of the New York City High Schools, the Association of Biology Teachers, the Chemistry Teachers' Club and the Physics Club, together with the Torrey Botanical Club, met at the second annual inter-science dinner at the Hotel Majestic. The toastmaster for the occasion was Professor James Kendall, of Columbia University. Dr. John Merle Coulter delivered the address on the topic "The History of Organic Evolution." Other speakers were Dr. John L. Tildsley, district superintendent in charge of high schools, and Dr. Joseph K. VanDenburg, of the board of examiners.

At the November meeting of the Peking Society of Natural History, Dr. Bernard E. Read, of the Peking Laboratory of Natural History, gave a talk on "The Medicinal Plants of China," illustrated by slides, specimens and pharmaceutical preparations. At the December meeting, Dr. A. W. Grabau gave a lecture on "Common Shells of the China Coast," illustrated by specimens and lantern slides. At a special meeting on December 30, Dr. H. J. Howard gave an account of his ten weeks with the Black Dragon River bandits.

SEVEN meetings to promote scientific work are being held this year in Russia at the call of the People's Commissariat of Education of the Russian Socialist Federated Soviet Republic. Botanists met in Moscow during January, while this month that city is to be the scene of a conference of physicists. In May a congress of physiologists is to be held in Leningrad, while for the latter half of the year congresses of archeologists and museum specialists, of geologists and of naturalists are scheduled.

THE Italian Association of Pure and Applied Chemistry is to hold the second national meeting of Pure and Applied Chemistry at Palermo from May 23 to June 2. One of the features of the meeting will be the celebration of the centenary of the birth of Stanislao Cannizzaro.

THE Harvard University summer school of field geology, endowed in 1908 by Mr. Robert W. Sayles, will this coming year be held in the vicinity of the Adirondack Mountains instead of in the Rocky Mountains as on former occasions. The school will be in session from July 6 to August 9 and opportunity will be afforded for the investigation of the geology along the eastern side of the Adirondack Mountains and in the Champlain Valley as well as in the Green Moun-

tains of Vermont. Headquarters will be established in the vicinity of Ticonderoga. The school will be conducted under the direction of Professor Allyn C. Swinnerton, of Antioch College. Full details may be obtained by addressing either Professor Swinnerton at Yellow Springs, Ohio, or Professor P. E. Raymond at Harvard University, Cambridge, Mass.

At the meeting of the executive committee of the American Museum of Natural History, held on March 17, the following elections to honorary membership were made: William Douglas Burden was elected an associate benefactor in recognition of his support of an expedition to the Island of Komodo. Howard Russell Butler was elected an honorary fellow in appreciation of his contributions to the popularization of astronomy through his unique paintings of solar eclipses and other astronomical paintings. Kunwar Dillipat Shah Rai Bhadur was elected an honorary life member in recognition of his assistance to the Faunthorpe-Vernay expedition in India. Captain J. B. L. Noel was elected an honorary life member in appreciation of his explorations in the Himalayas and his remarkable ascent of Mount Everest. Dr. Fordyce St. John was elected a life member in recognition of his contributions to the science of surgery and medicine.

ACCORDING to a cable to the *New York World*, the Academia dei Lincei, Rome, will soon be dissolved because in the opinion of the cabinet the institution has become a hotbed of anti-Fascist sedition. For similar reasons it is stated that the Italian Society for Scientific Progress and other cultural organizations are to be repressed. It is also reported that the Italian Philosophical Congress meeting at the University of Milan has been dispersed by government order.

By the will of the late Mrs. Stephen V. Harkness, of New York, the American Museum of Natural History and the New York Zoological Society will each receive \$1,000,000. Other large bequests were made to Columbia, Yale and other institutions, but these were largely anticipated by gifts made during her lifetime.

THE appraisal of the estate of Henry R. Towne, engineer, founder and recent head of the Yale-Towne Manufacturing Company, filed on March 31, shows the bequest established in his will to maintain "Museums of the Peaceful Arts in the City of New York" is valued at \$2,616,211.

THE following gifts have been announced by New York University: R. T. Crane, Jr., of Chicago, has for the second year given \$4,000 for the study of anaphylaxis. Two anonymous gifts—one of \$10,000 and one of \$5,000—have been received. The first gift was made through Dr. George Stewart for the ex-

penses of the department of surgery for the current year. The \$5,000 was received through Professor John M. Wheeler for experimental work in ophthalmology.

It is planned to begin building operations on the new Wilmer Institute of the Johns Hopkins University in June.

THE National Geographic Society has appropriated \$5,000 for the purchase of 1,000 acres of the proposed Shenandoah National Park, which will be presented to the government for inclusion in that area. This donation is the largest single contribution made during the Washington campaign. The donation was made, it was announced, upon the recommendation of the chairman of the society's research committee, Dr. Frederick V. Coville.

HARVARD UNIVERSITY has acquired approximately 125,000 feet of land fronting on Centre Street, Jamaica Plain, and adjoining the Arnold Arboretum. This land is to be used in connection with the work of the arboretum.

THE annual report of the committee in charge of the American Type Culture Collection shows that the available cultures have increased from 175 to 722 during the period February 1 to December 15, 1925, including 69 moulds and 122 yeasts. A total of 360 orders has been filled, involving the sending of 1,540 cultures to 240 persons and institutions. A temporary list of cultures is available. A printed catalogue is planned for the near future. Communications should be sent to The American Type Culture Collection, John McCormick Institute for Infectious Diseases, 637 S. Wood Street, Chicago, Illinois.

ACCORDING to the *Scientific Worker*, England, the Royal Agricultural Society has taken the step of setting up a committee of scientists to collect and collate the results of agricultural research work. This committee, which includes Sir John Russell, Sir John McFadyean, Dr. Crowther, Mr. Orwin and Mr. Engledow, proposes to publish annually, in language intelligible to the practical agriculturist, a summary of the results of agricultural research work carried out in all parts of the world of immediate or future importance, as well as an account of work proved definitely negative. This experiment in publication is on the lines followed by research associations in other industries. It will supplement and possibly supplant the pamphlets which emanate from the Ministry of Agriculture and Fisheries, many of which are put aside and lost owing to the way in which they are issued.

THE Russian government announces that the geological committee of the Supreme Economic Council formed during 1925 no less than 215 scientific expedi-

tions. The main achievements are reported to be as follows: Discovery of rich lead beds in the trans-Baikal region, exploration and discovery of gold fields in the Aldan region of Siberia, and finding of important strata of coal on Sakhalin Island. The expeditions will continue their researches and explorations during 1926, the government having allotted \$1,500,000 for this purpose.

MINISTER OF AGRICULTURE GUINNESS has made public further particulars regarding the British government's agricultural policy. The most important item of the program is an additional grant of about \$2,500,000 for agricultural education and research during the coming five years, of which amount it is proposed to spend about \$250,000 on foot-and-mouth disease research and about \$60,000 on veterinary education and research. A new bureau is to be established to deal with marketing and cooperation. It is also proposed to establish new farm institutions for research work.

ACCORDING to the *Journal* of the American Medical Association, Representative Woodruff, of Michigan, has introduced a bill in the house of representatives which would establish, in the department of the interior, a bureau of medical research, the function of which would be to investigate physiologic processes; to devise means for controlling the bodily processes, and to determine the physical, chemical and biologic properties of materials where this would be advantageous to medical science. The bill provides for a director of the bureau, to be appointed by the president at a salary of \$15,000, an assistant director at \$10,000 and such other employees as the director should decide, these appointments to be made under civil service rules. There would be also a visiting committee of five prominent members of scientific societies, not in the employ of the government, to serve without compensation. Mr. Woodruff's bill would authorize the director to negotiate for not more than 100 acres of land near the city of Washington at not more than \$2,000 an acre, and to draw plans for suitable buildings to cost not more than \$1,000,000. The director of the bureau of medical research, according to this bill, shall make plans and submit estimates to the director of the budget on a basis of spending about \$550,000 in 1927.

At the request of the International Committee on Intellectual Cooperation of the League of Nations, the American Library Association has compiled a list of the forty outstanding books published in the United States during the calendar year 1924. This is in pursuance of the plan of the League of Nations to publish yearly a list of the 600 most worth-while books in all countries on all subjects. Countries pub-

lishing 10,000 or more new books each year are entitled to name the maximum quota of forty. Of the forty just named, five are in the field of natural science as follows: Charles William Beebe, "Galapagos" (Putnam); Ellsworth Huntington, "The Character of Races" (Scribner); George Grant MacCurdy, "Human Origins," 2 vols. (Appleton); Edmund Vincent Cowdry, "General Cytology" (Univ. of Chicago Press); Vernon Kellogg, "Evolution" (Appleton).

CORRECTION. In Dr. Wheeler P. Davey's review of "The Natural History of Crystals" (SCIENCE, 1627, LXIII, 1926) the author's name was incorrectly given as A. E. Hutton. The correct spelling is A. E. Tutton.

UNIVERSITY AND EDUCATIONAL NOTES

THE New York Zoological Society, Vassar College, Williams College and Teachers College, Columbia University, will each receive \$300,000 by the will of the late Mrs. Mary Clark Thompson, of New York.

THE residuary estate of the late Artemas Ward, which has been left to Harvard University, is estimated to have a present value of \$4,000,000.

THE General Education Board has given to Richmond University \$100,000 for a science hall to replace that destroyed by fire a few months ago. It is planned to raise a fund of \$400,000 for this building.

NORTHWESTERN UNIVERSITY has announced plans to build a large science hall on the shore of Lake Michigan at Superior Street as part of the downtown campus.

AMONG those who will give courses in the summer quarter at Stanford University are Professor A. R. Moore, of the department of physiology at Rutgers University, and Professor N. H. Furman, of the department of chemistry at Princeton University.

L. C. BAGBY has been appointed assistant professor of mathematics at the University of South Dakota.

DR. ALBERT WIGAND has been appointed professor of physics and meteorology at the Landwirtschaftliche Hochschule, Hohenheim-Stuttgart. He is also in charge of the seismological observatory and meteorological station at Hohenheim.

THE title of professor of physiology in the university has been conferred on Dr. J. S. Edkins, in respect of the post held by him at Bedford College.

DR. H. R. BRITON-JONES, mycologist at the Agricultural and Horticultural Research Station of the University of Bristol, has been appointed professor of mycology at the Imperial College of Tropical Agriculture, in succession to Professor Ashby.