

of laboratories for the biological sciences rivaling those recently provided for physics and chemistry.

Dr. Edmund B. Wilson, Da Costa professor of zoology and executive officer of the department, who has been at Columbia for thirty-seven years, will retire from active service on July 1 with the rank of professor emeritus in residence. With President Henry Fairfield Osborn, of the American Museum of Natural History, he organized the department of zoology at Columbia in 1891. Professor Wilson will continue to conduct research at the university, and will be available for consultation and advice by advanced students. He will not, however, offer any stated instruction leading to a degree. As previously announced, Professor T. H. Morgan will leave the university in July for the California Institute of Technology, at Pasadena, Calif., where he will be the head of the division of biological sciences.

Dr. Gary N. Calkins, who holds the professorship of protozoology, will succeed Dr. Wilson as executive head of the department.

Dr. Dunn, who will occupy the new professorship of zoology, was born in Buffalo, N. Y., in 1893, and was graduated from Dartmouth College in 1915. He pursued advanced studies at Harvard University, taking the degree of doctor of science in 1920. For four years he was assistant in zoology at Harvard.

Mr. Gray, the new lecturer in zoology, is now lecturer in zoology at King's College, Cambridge. He is well known in the younger British group in zoology. He is thirty-eight years of age and was trained at Cambridge, where he received the degree of A.B. in 1912 and A.M. in 1916. Mr. Gray will lecture on experimental zoology and embryology. His researches have been in the field of experimental embryology and cytology, including researches on artificial parthenogenesis, cell division and the development of the lower animals.

SCIENTIFIC NOTES AND NEWS

BOTH branches of Congress have adopted a resolution providing for the striking of a gold medal commemorative of the achievements of Thomas A. Edison and the presentation of the medal to Mr. Edison by congress. Duplicate medals in bronze are to be made and sold at cost.

GOLD medals will soon be presented, under authority of an act of Congress just approved by President Coolidge, to Lincoln Ellsworth, Umberto Nobile and Roald Amundsen in recognition of their joint trans-polar flight in the dirigible *Norge*.

CAPTAIN WILKINS, who with Lieutenant Eielson recently flew from Alaska to Spitzbergen, was

awarded the Carl Ritter medal by the centenary session of the Geographical Society on May 24.

THE Imperial Order of the Second Class of the Rising Sun has been conferred by the Emperor of Japan upon Dr. Hideyo Noguchi, the discoverer of the yellow fever germ, who died May 21 while conducting investigations for the Rockefeller Institute on the Gold Coast of Africa.

IN recognition of his work in the study of nephritis, Dr. Thomas Addis, of the Stanford Medical School, has been awarded the Gibbs memorial prize of \$1,000. He will devote it to the Wellington Gregg fund of the school, through which research work in this disease is being financed.

DR. DAVID RIESMAN, professor of clinical medicine at the University of Pennsylvania School of Medicine, was recently made a Knight of the Order of the Crown of Italy.

FREDERICK E. BRASCH, of the Library of Congress (Smithsonian division), has been awarded a grant for research from the American Council of Learned Societies to complete his studies upon the history of astronomy during the Colonial period in the United States.

THE research prize awarded by the Scientific Club of Winnipeg for the best research work done in the University of Manitoba during a period of three years by a recent graduate has been divided between Leonard B. Clark and Charles F. Goodeve, whose work was carried on in the departments of zoology and chemistry, respectively.

DR. W. REID BLAIR, director of the New York Zoological Park, has had conferred upon him on May 28 by McGill University the honorary degree of doctor of laws.

DR. ABRAHAM FLEXNER has resigned as director of Studies and Medical Education of the General Education Board.

PROFESSOR ARTHUR E. SEAMAN, head of the department of geology in the Michigan College of Mining and Technology, is retiring after forty years of service. Dr. C. O. Swanson, of the Michigan Geological Survey, will succeed Professor Seaman.

DR. T. T. QUIRKE, chairman of the department of geology at the University of Illinois, has been relieved of his administrative duties and will continue his work at the University of Illinois as professor of geology. During the summer he will continue his field researches which he has been carrying on for several years in the Precambrian complex north of Lake

Huron. Professor W. S. Bayley has been made head of the department at the university.

DR. LYNN THORNDIKE, professor of history at Columbia University, was elected president of the History of Science Society by the council, to fill the unexpired term of Dr. Edgar Fahs Smith, who died on May 3.

PROFESSOR H. B. DWIGHT, of the Massachusetts Institute of Technology, was elected chairman of the Boston section of the American Institute of Electrical Engineers at the annual meeting.

DR. W. H. ECCLES, F.R.S., has been elected president of the British Physical Society.

CLARK C. HERITAGE, of the Paper Board Corporation, has been appointed to the position of senior chemical engineer in charge of the section of pulp and paper of the Forest Products Laboratory at Madison, Wisconsin, succeeding John D. Rue, who recently resigned.

DR. J. A. LEClerc, grain specialist in the foodstuffs division of the U. S. Department of Commerce, has accepted appointment in the food research division of the chemical and technological research unit of the Bureau of Chemistry and Soils.

H. S. BEAN, chief of the gas measuring instrument section of the Bureau of Standards, will take charge of the cooperative investigation in Buffalo, of the Bureau of Standards, the Bureau of Mines and the Natural Gas Department of the American Gas Association, on methods for measuring large volumes of gas.

DR. CLAUDE FULLER, formerly chief entomologist of the Union of South Africa, has left Pretoria for Lourenco Marques, where he will assume the duties of chief entomologist to the government of Mozambique.

UNDER the direction of Dr. Johannes Schmidt, of Copenhagen, a scientific expedition, chiefly financed by the Carlsberg fund, is leaving Denmark at the beginning of June on a journey around the world. The object of the expedition is to carry out oceanographic and zoological investigations, more especially regarding the species of eel in the Pacific and it is expected to take two years.

DR. ELIAS MELIN, soil botanist of the Swedish College of Forestry, Stockholm, has spent the last year visiting and studying at various agricultural experimental stations in the United States.

DR. J. C. TH. UPHOF, head of the department of botany at Rollins College, will be connected during the coming summer with the Tropical Plant Research Foundation in Washington, D. C., to prepare reports on sugar cane growing and sugar technique of the Dutch East Indies.

PROFESSOR KIRTLEY F. MATHER, head of the department of geology at Harvard University, will lead a party of geological students into the Swiss Alps this summer. On reaching Switzerland the group will combine with a party headed by Dr. L. W. Collet, professor of geology in the University of Geneva.

SAMUEL J. RECORD, professor of forest products in the school of forestry of Yale University, sailed for Europe on June 2 to enlist the cooperation of scientists there in a comprehensive investigation of the forest resources of the tropics, and particularly of western Africa. The trip is sponsored by Mr. Harvey Firestone, president of the Firestone Rubber Company, Akron, Ohio.

DR. A. S. HITCHCOCK, custodian of grasses in the U. S. National Museum, will leave for Newfoundland about July 1 to collect grasses.

DR. W. F. BOOK, chairman of the department of psychology and philosophy in Indiana University, returns on June 10 from a tour around the world. He will resume his work at Indiana in September. Dr. Geo. S. Snoddy was acting chairman of the department in Dr. Book's absence.

JAMES L. PETERS, research associate in ornithology in the Museum of Comparative Zoology at Harvard University, and Edward Bangs recently returned from a collecting trip in Central America. In all, some six hundred birds were added to the collection in the museum.

DR. WILLIAM S. THAYER, of the Johns Hopkins University, president-elect of the American Medical Association was a delegate to the Harvey Tercentenary celebration in London in May.

DR. R. J. TILLYARD, commonwealth entomologist of Australia, and Mr. J. W. Evans, one of his assistants, visited the Kansas State Agricultural College on May 19 to 22. On May 20, a special field meeting of the Kansas Entomological Society occurred at the fossil beds at Elmo, Kansas. On May 21, Dr. Tillyard addressed the zoological and entomological seminar on the subject of "The Relation of the Study of Fossil Insects upon Insect Evolution."

PROFESSOR C. U. ARIENS KAPPERS, director of the Central Institute of Brain Research, Amsterdam, is giving a series of six lectures in the neurological department of Columbia University at the new medical center from June 4 to 9 at 4:00 P. M.

DR. F. D'HERELLE, of Alexandria, Egypt, who is to give the Lane lectures at Stanford University during the week beginning October 22, will address a joint meeting of the Chicago Society of Internal Medicine and the Institute of Medicine of Chicago in October.

DR. GEORGE BARGER, professor of medical chemistry at the University of Edinburgh, now lecturing at Cornell University, addressed a meeting of the New York section of the American Chemical Society, the American Electrochemical Society, the Society of Chemical Industry and the Société de Chimie Industrielle on June 1, when he spoke on "Thyroxine and the Thyroid Gland."

DR. RAYMOND PEARL, director of the institute for biological research of the Johns Hopkins University, lectured at Cornell University on May 9, on the Schiff Foundation, on "Experiments on Longevity," and on May 10 and 11 he delivered the eleventh series of Harrington lectures at the University of Buffalo Medical School, the subjects being, "Alcohol and Life Duration" and "Cancer from the Viewpoint of the Human Biologist."

DR. DONALD C. BARTON, of Houston, Tex., consulting geologist and geophysicist, recently gave a series of lectures on certain phases of oil geology and geophysics at the University of Chicago, at the Massachusetts Institute of Technology and at Harvard University.

THE Hermann M. Biggs Memorial Fund has given more than \$55,000 to New York University to establish a professorship in preventive medicine in Dr. Biggs's name in the medical college.

THE Louis Agassiz Fuertes memorial room in Ithaca was opened May 28 to the public. The room contains a collection of memorabilia of Dr. Fuertes, including three thousand five hundred birds which he used for his working models in his illustrations and paintings.

THE display of works, illustrations and other data, marking the tercentenary of Harvey's discovery of the circulation, is now open to visitors at the New York Academy of Medicine. The collection of loan specimens occupies eleven cases in the main reading hall.

AT the thirty-seventh annual general meeting of the British Institution of Mining and Metallurgy in London, Mr. Peter Larkin, High Commissioner for Canada, presented to the institution a portrait of the late Dr. Willet G. Miller, provincial geologist of Ontario. The portrait, which is a replica of the original now hanging in the Ontario Legislative Buildings, is the gift of Canadian friends and admirers of the late Dr. Miller.

WILLIAM H. NICHOLS, JR., vice-president of the Allied Chemical and Dye Corporation, known for his work on the metallurgy of copper, died on May 28, aged seventy-six years.

DR. W. M. L. COPLIN, emeritus professor of pathology and bacteriology in the Jefferson Medical College, died on May 29, aged sixty-three years.

PRESS dispatches announce the death from yellow fever of Dr. William Alexander Young, director of medical research at Accra, on the African Gold Coast. Dr. Young was working with the late Dr. Hideyo Noguchi on yellow fever.

DR. JOHN HORN, the well-known geologist of Scotland, has died at the age of eighty years.

DR. H. F. GADGW, Strickland curator and reader in morphology of vertebrates in the University of Cambridge since 1884, died on May 16, at the age of seventy-three years.

DR. ARTHUR HERBERT LEAHY, emeritus professor of mathematics at the University of Sheffield, died on May 16, aged seventy years.

DR. EMIL FROMME, professor of chemistry at the University of Vienna, died on May 29, at the age of sixty-three years.

THE thirteenth International Physiological Congress will be held from August 19 to 23, 1929, at the Harvard Medical School, Boston. This congress meets for the first time in the United States, and is to be under the auspices of the Federation of American Societies for Experimental Biology.

FORTY-FIVE geologists from Iowa, Nebraska, Missouri, Kansas, Arkansas, Oklahoma and Texas met in conference at the offices of the Oklahoma Geological Survey at Norman on May 19 for a discussion of the problem of the Pennsylvanian of the western interior region. Dr. Raymond C. Moore was elected chairman of the conference. After much profitable discussion, it was decided that a general committee be appointed to outline methods for the solution of the Pennsylvanian problem. It was voted to work in conjunction with the American Association of Economic Paleontologists and Mineralogists.

LEADERS in the field of oil engine power, manufacturing, operation and research will convene at the Pennsylvania State College on June 14, 15 and 16 for the first national meeting of the oil and gas power division of the American Society of Mechanical Engineers and the second annual oil power conference arranged by the Pennsylvania State College. Developments in the Diesel engine in all parts of the world will feature the discussions. Among the speakers who will discuss technical phases of the industry are Charles M. Schwab, former president of the society, and George Heath, of the Carels corporation of London, England. The Atlantic division of the American

Relay League will hold its third annual convention on the same dates.

FREE public lectures will be given at the New York Botanical Garden on Saturdays during June and July at 4:00 P. M. as follows: June 2, "Japanese and Siberian Irises," Dr. George M. Reed; June 9, "A Naturalist in India, Kashmir and Burma," Mrs. Barnum Brown; June 16, "Life Zones of the Rocky Mountains," Dr. P. A. Rydberg; June 23, "Roses," Mr. F. L. Atkins; June 30, "Botanical Rambles in Panama," Dr. Marshall A. Howe; July 7, "The Story of the Redwoods," Dr. Arthur Hollick; July 14, "Wild Flowers," Mrs. N. L. Britton; July 21, "Selecting a National Flower," Dr. Edgar T. Wherry; July 28, "Fungous Diseases of Plants," Dr. B. O. Dodge.

THE U. S. Civil Service Commission announces an open competitive examination for assistant chemical engineer, applications for which must be on file not later than July 5. The examination is to fill vacancies in the federal classified service, for duty in Washington, D. C., or in the field, at an entrance salary of \$2,400 a year.

ANNOUNCEMENT is made by Dean Franklin Moon, of the New York State College of Forestry, Syracuse University, that twenty-eight members of this year's senior class received instruction at the Pack demonstration forest from April 28 to June 2, situated near Lake George in the heart of the finest pine region of the state. This forest was given to the college about two years ago by the Charles Lathrop Pack Forestry Trust for the purpose of serving as a demonstration forest and research area combined. Being located on the main highway from Albany to Montreal the roadside demonstrations in field reforestation and underplanting, thinnings to accelerate growth, pruning of young pines to improve the quality of the timber, can be observed by the thousands of tourists who pass this forest each year. In addition to the regular staff of instructors, foresters from Denmark and Switzerland conducted research and assisted in instruction during the period.

DR. GEORGE GRANT MACCURDY announces the completion of plans for the eighth summer session of the American School of Prehistoric Research, of which he is director. The term will open in London on July 2 and will close on the continent the middle of September. Among the special invitations received by the director is one from Professors Depéret and Mayet, of the University of Lyon, which will give the students of the school an opportunity to take part in the excavations at the celebrated station of Solutré. Beginning in October, representatives of the school will cooperate with representatives from Oxford Uni-

versity on a joint exploring expedition in Irak. Dr. and Mrs. MacCurdy will sail for London on June 15 on the *Tuscania*.

EARLY human remains will be sought in Southwest Africa by the Cameron-Cadle Kalahari Desert expedition, which sailed from New York on June 1. Ethnological, geological, medical and photographic experts make up the expedition, which has booked passage from Southampton to Cape Town on the steamer *Kenilworth Castle*, sailing on June 15. The expedition's financial backer is Will J. Cameron, of Cameron's Surgical Specialty Company, of Chicago. Mr. Cameron will undertake to find a specimen of the web-footed lizard to bring back for the Field Museum of Chicago, also other specimens which that museum wishes to add to its collections. Dr. C. Ernest Cadle will represent the Colorado Museum of Natural History. Another member of the expedition is Professor R. L. Mannen, of San Antonio, who will represent the University of Texas and the Willie Museum of San Antonio. Fred Parrish and Hank Hoder, of Colorado Springs, will make motion and still pictures for the expedition.

THE Russian Academy of Sciences, jointly with German scientific institutions, is organizing a scientific expedition to the Pamir for the exploration of the Altai mountain range. Part will be taken in the expedition by Professor Stecherbakov, Professor Belayev, Professor Korzhinevsky, of Tashkent University; Professor Sicker, of the Geological Institute of Berlin; the German geologist Ritmer, and others.

A SUM of \$25,000 has been placed at the disposal of the Royal Society of Canada as a nucleus for an endowment fund by the Carnegie Corporation of New York, according to an announcement by Sir Robert Falconer, president of Toronto University.

UNIVERSITY AND EDUCATIONAL NOTES

GIFTS to Columbia University amounting to \$241,159 have been announced by President Butler. F. W. Vanderbilt was the largest contributor, giving \$116,666.66 toward a pledge of \$350,000 to enable the university to install the Vanderbilt Clinic in the new medical center. Harold S. Vanderbilt, who has pledged \$150,000, gave \$50,000 to the clinic.

DR. ALLEN W. ROWE, director of research at the Evans Memorial Hospital, Boston, has been elected president of the Boston School of Physical Education.

DR. GERALD WENDT, who was recently appointed director of the new Battelle Memorial Institute for scientific and industrial research at Columbus, Ohio,