

burgh; Cumming, William Murdoch, senior lecturer on organic chemistry, Royal Technical College, Glasgow; Dawson, Warren Royal, fellow of the Royal Society of Medicine; Fenton, Edward Wyllie, lecturer in agricultural botany, Edinburgh and East of Scotland College of Agriculture; Forrest, James, lecturer in physics, University College, Dundee; Fraser, John, Regius professor of clinical surgery in the University of Edinburgh; Fraser, Kenneth, deputy county medical officer of health, Cumberland; Harding, William Gerald, Christ Church, Oxford; Hobson, Alfred Dennis, lecturer in zoology in the University of Edinburgh; Hodge, William Vallance Douglas, lecturer in mathematics in the University of Bristol; Hunter, Arthur, vice-president and chief actuary of the New York Life Insurance Company; Johnston-Saint, Percy Johnston, secretary, Wellcome Historical Medical Museum, London; Johnstone, Robert William, professor of midwifery and diseases of women in the University of Edinburgh; Jones, Tudor Jenkyn, lecturer in anatomy in the University of Liverpool; MacDonald, Thomas Logie, secretary of the West of Scotland branch of the British Astronomical Association; Mackie, Thomas Jones, professor of bacteriology in the University of Edinburgh; Matthai, George, professor of zoology, the Government College, Lahore, India; Nichols, James Edward, research assistant in genetics at the animal breeding research department, University of Edinburgh; O'Donoghue, Charles Henry, lecturer in zoology in the University of Edinburgh; Percival, George Hector, assistant physician, skin department, Royal Infirmary, Edinburgh; Pilcher, Robert Stuart, general manager and engineer, Edinburgh Corporation Tramways and Motors; Price, Charles Edward, formerly M. P. for Central Edinburgh; Roberts, Owen Fiennes Temple, lecturer in astronomy and meteorology in the University of Aberdeen; Senior-White, Ronald, malaria research officer, Central Malaria Bureau, Kasauli, India; Smith, Alick Drummond Buchanan, assistant animal breeding research department, University of Edinburgh; Watters, Alexander Marshall, rector of Hawick High School; Whittaker, John Macnaghten, senior scholar of Trinity College, Cambridge, and lecturer in mathematics in the University of Edinburgh; Williamson, John, lecturer in mathematics in the University of St. Andrews.

NEW CHAPTERS OF THE SOCIETY OF SIGMA XI

THE Arizona chapter of the Society of Sigma Xi was installed at the University of Arizona on the afternoon of February 22, Dr. W. F. Durand, of Stanford University, acting in the capacity of installing officer. In the evening a banquet was held, followed by the first Sigma Xi lecture, entitled "Science and Civilization," by Dr. Durand. The officers of the newly-installed chapter are: Dr. P. S. Burgess, *president*; Dr. G. T. Caldwell, *vice-president*, and Dr. H. B. Leonard, *secretary-treasurer*.

The college of medicine of the University of Illinois chapter of the Sigma Xi was installed on March 9 by the national president, Dr. F. R. Moulton, and

Professor George Baitzell, of Yale University, head of the executive committee. There are twenty-eight charter members. Dr. D. J. Davis, dean of the college, was elected president, and Dr. William H. Welker, *secretary*; Dr. I. Pilot, *treasurer*, and Drs. William F. Petersen, H. A. McGuigan and Dr. V. E. Emmel *to membership in the executive committee*.

A chapter of the Society of the Sigma Xi was installed at the Kansas State Agricultural College on March 3. The chapter members, 58 in number, were all alumni members of Sigma Xi, representing 22 different institutions. The installing officer, Professor George A. Baitzell, of Yale University, gave the installation address on the subject "Coagulation in its relation to Tissue Formation."

There has recently been organized at Louisiana State University a Sigma Xi Club composed of nineteen members from the departments of botany, chemistry, geology, mathematics, physics, zoology and the experiment station. The purpose of the club is to further the advancement of research in the university and to give the university community the opportunity when possible to hear prominent speakers on scientific subjects.

SCIENTIFIC NOTES AND NEWS

PRESENTATION of the Bruce medal of the Astronomical Society of the Pacific to Dr. Walter S. Adams, director of the Mount Wilson Observatory, will be made on April 16 by Dr. W. W. Campbell. On this occasion Dr. Adams will give an address on "The Past Twenty Years of Physical Astronomy."

DR. HIDEYO NOGUCHI, of the Rockefeller Institute for Medical Research, has been elected a corresponding member of the Vienna Microbiological Society.

IN recognition of his distinguished service to the British government in the field of tropical medicine, the honor of knighthood has been conferred on Dr. Aldo Castellani, professor and director of the department of tropical medicine, Tulane University of Louisiana School of Medicine, and director of tropical medicine and physician in the Ross Tropical Institute and Hospital, London.

DR. ARISTIDES AGRAMONTE, of Havana, who was a member of the group of army officers—Reed, Carroll, Lazear and Agramonte—which was appointed by the United States to conduct the yellow fever investigation in Cuba, at a special meeting of the faculty, members of the American College of Physicians and students and citizens of New Orleans, was awarded the degree of doctor of laws by Tulane University.

THE Academy of Natural Sciences of Philadelphia announces that its committee on the Joseph Leidy

Memorial Award for 1928 has selected Dr. Henry Augustus Pilsbry, chief of the department of mollusca at the academy, as the recipient of the award. The report of the committee states that "the award is made in recognition of his researches on the phylogeny of the terrestrial mollusca, in which field he is universally regarded as a leading authority, and for his work on the classification of the Cirripedia which constitutes the most notable contribution to the subject in recent years." The award consists of a bronze medal and honorarium, given once in three years for outstanding work in the natural sciences. It was founded in 1923 and its first recipient, in 1925, was Dr. Herbert Spencer Jennings, of the Johns Hopkins University. The committee which made the 1928 award consisted of Dr. Witmer Stone, *chairman*, Dr. Edwin G. Conklin, Dr. William B. Scott, Dr. J. Percy Moore and James A. G. Rehn.

S. G. BLAYLOCK, general manager of the Consolidated Mining and Smelting Company of Canada, will be the recipient this year of the James Douglas medal, awarded annually by the American Institute of Mining Engineers for distinguished achievement in non-ferrous metallurgy.

THE Thomas Hawksley gold medal of the British Institution of Mechanical Engineers has been awarded to H. L. Guy for his paper entitled "The Economic Value of Increased Steam Pressure," which was presented in November, 1926.

BOYLE medals have been awarded by the council of the Royal Dublin Society to Dr. W. R. G. Atkins (pure science) and to Professor W. E. Adey (applied science) and were presented at a special scientific meeting of the society on February 15.

DR. JOHN H. MUSSER, professor of medicine at Tulane University, was elected president-elect of the American College of Physicians at the New Orleans meeting on March 8; Drs. Aldred S. Warthin, Ann Arbor, and Solon Marx White, Minneapolis, were re-elected vice-presidents; Dr. Williams McKim Marriott was elected third vice-president, and Drs. Clement R. Jones, Pittsburgh, and George M. Piersol, Philadelphia, were reappointed treasurer and secretary-general, respectively.

DR. EDWARD L. KEYES, professor of clinical surgery at the Cornell University Medical College, has been elected president, and Dr. Donald R. Hooker, of Baltimore, secretary, of the American Social Hygiene Association for 1928. Dr. William H. Welch is honorary president.

PROFESSOR R. C. WALLACE, of the University of Manitoba, has been made chairman of the Manitoba hydro-electric commission.

DR. ANDREW M. SOULE, president of the State College of Agriculture, Athens, Ga., has been named president of the Southern Appalachian Power Conference.

RAPHAEL ZON, director of the Lake States Forest Station at St. Paul, has been transferred to Wisconsin and has been appointed non-resident professor in the university. He will direct forestry investigations under the supervision of the Wisconsin Conservation Commission, the United States Forest Service and the State College of Agriculture. The experiments will be conducted in different sections of the state.

DR. CLIFFORD L. DERICK, assistant resident physician at the Rockefeller Hospital, New York City, has been appointed physician to the Peter Bent Brigham Hospital, Boston, Massachusetts, to succeed Dr. Cyrus C. Sturgis, recently appointed professor of medicine at the University of Michigan.

DR. A. L. MELANDER, head of the department of biology in the College of the City of New York, has declined the post of state entomologist for New York.

COMMANDER JOHN C. THOMPSON, doctor at the Pearl Harbor Navy Yard; W. M. Giffard, amateur entomologist, and Bruce Cartwright, student of Hawaiian ethnology and history, have been appointed research associates on the staff of the Bernice P. Bishop Museum, Hawaii.

DR. H. E. BARNARD recently resigned the presidency of the American Institute of Baking, and has organized the firm of H. E. Barnard, Inc., in Indianapolis, for consultation on problems relating to food production.

DR. C. L. SHEAR, who spent the past winter collecting fungi in the Hawaiian Islands, is expected to arrive in Washington sometime during April. Dr. Neil E. Stevens, who accompanied Dr. Shear during much of his trip, devoted especial attention to the diseases of strawberries.

DR. H. A. GLEASON, of the New York Botanical Garden, sailed on March 22 for Europe, and will devote the ensuing six months to a continuation of his studies on the flora of British Guiana.

MAURICE H. BIGELOW, of Concord, Mass., who for the past three years has been head of the department of sciences in the American College of Salonica, Greece, plans to return in June, to engage in industrial chemistry and to give a course of lectures on "Industrial Openings in the Near East."

THE third course of two lectures under the Morris Herzstein lectureship on diseases of the Pacific Basin including tropical diseases will be given by Dr. Rich-

ard P. Strong, professor of tropical medicine of the Harvard Medical School, on May 2 and May 3, at the Stanford Medical School. The title of Dr. Strong's lectures will be "Recent Advances in Tropical Medicine."

THE first address under the Abner Wellborn Calhoun lectureship of the Medical Association of Georgia will be given on May 9, by Dr. George E. de Schweinitz, of Philadelphia, on "Headaches."

PROFESSOR LYMAN C. NEWELL, of Boston University, will deliver the address at the exercises commemorating the one hundred and seventy-fifth anniversary of the birth of Count Rumford which will be held on March 26 at Woburn, Mass., where Count Rumford was born. The title of the address is "Count Rumford—Scientist and Philanthropist."

DR. GEORGE BARGER, professor of chemistry, University of Edinburgh, lectured at the Medical School of Harvard University, on March 9, on "Thyroxine and the Thyroid Gland." On March 16 Dr. Barger gave a lecture on the same subject before the New York University chapter of the Sigma Xi.

DR. DEAN D. LEWIS, professor of surgery in the Johns Hopkins University, delivered the Hodggen lecture on March 20, before the St. Louis Medical Society on "Reconstruction Surgery."

V. K. LA MER, assistant professor of chemistry at Columbia University, lectured on "The Influence of Electric Properties on the Behavior of Solutions" before the Cleveland, Columbus, Cincinnati, Ann Arbor and East Lansing, Michigan, sections of the American Chemical Society from March 9 to 16. His lecture before the Indianapolis section on March 14 dealt with "Oxidation Potentials and their Biological Significance."

PROFESSOR CHANCEY JUDAY, of the University of Wisconsin, gave a public lecture at the University of Michigan on March 9 on "Recent Aspects of Limnology."

DR. C. J. DAVISSON, of the Bell Telephone Laboratories, Inc., addressed the Franklin Institute on March 21 on "Are Electrons Waves?"

DR. O. E. MEINZER, of the U. S. Geological Survey, recently delivered a lecture entitled "Well Water and Well Problems in Different Parts of the United States," before the Illinois Water-Well Drillers Association, in Urbana, and the Minnesota Well Drillers Association, in Minneapolis.

DR. ROBERT G. AITKEN, associate director of the Lick Observatory, addressed the Astronomical Society of the Pacific on March 19 on "Multiple Stars."

DR. OSCAR RIDDLE, of the Carnegie Station for Experimental Evolution, Cold Spring Harbor, N. Y., addressed a meeting of the section of biology of The New York Academy of Sciences on March 12 on "Studies on Thyroids and Gonads."

DR. W. F. G. SWANN, director of the Bartol Research Foundation of the Franklin Institute, lectured on "The Earth's Magnetic Charge" at the meeting of the American Institute of Electrical Engineers in New York on February 13, and also on "Recent Theories of the Atom" at the joint meeting of the Physical Society and Optical Society at Columbia University on February 24.

THE thirteenth Guthrie lecture before the British Physical Society on electrodeless discharge through gases was given by Sir Joseph Thomson on March 9 at the Imperial College of Science and Technology, South Kensington.

THE Romanes lecture at the University of Oxford for this year will be delivered by Dr. D. M. S. Watson, Jodrell professor of zoology and comparative anatomy in University College, London, on May 4. His subject will be "Paleontology and the Origin of Man."

As a tribute to the thoroughness and accuracy of the exploratory and geological investigations of the late Dr. G. M. Dawson, at one time a member and later director of the Geological Survey of Canada, a monument is to be erected by Mr. Fenley Hunter, of New York, on the bank of the Liard River in Yukon territory.

It was announced on March 14 that the half-way mark had been passed in New York's quota of \$500,000 toward the completion of the \$2,000,000 Leonard Wood memorial for the eradication of leprosy.

DR. THOMAS BRUCE FREAS, professor of chemistry at Columbia University, died on March 15, aged fifty-nine years.

CHARLES WILSON EASLEY, professor of chemical engineering at Syracuse University, died on January 27, at the age of fifty-two years.

AUSTIN BRADSTREET FLETCHER, consulting engineer for the Bureau of Public Roads of the U. S. Department of Agriculture, died on March 8, at the age of fifty-six years.

SIR DAWSON WILLIAMS, who retired last January from the editorship of the *British Medical Journal* after thirty years of distinguished service in that office, died on February 27, aged seventy-three years.

A CORRESPONDENT writes that Professor Charles Walter Howard, who in September last returned to

this country from China to head the department of zoology at Wheaton College, died on March 1 from injuries received when he was struck by an interurban trolley. Professor Howard was an entomologist of wide experience in this country, in Africa and in China. For the past eleven years he was connected with Lingnan University at Canton and since 1923 he was director of the Government Bureau for the Improvement of Sericulture in Kwongtung Province, a position which he held at the time of his death. He was fellow of the London Entomological Society and member of the Pan-African Trypanosomiasis Commission and was a member of the First International Congress of Entomology held in Brussels in 1909. He was to have served as chairman of the sericultural section of the Fifth International Congress of Entomology, meeting in August of this year in Ithaca.

THE annual meeting of the Kentucky Academy of Science will be held on May 12 at the University of Kentucky. The invited speaker will be Dr. E. C. Stakman, plant pathologist of the University of Minnesota, who will also represent the American Association for the Advancement of Science at the meeting. Dr. A. M. Peter, of Lexington, is secretary of the academy and the division secretaries are: Physical sciences, Professor C. S. Crouse, University of Kentucky; biological sciences, Professor E. N. Fergus, Experiment Station, Lexington; philosophy and psychology, Dr. M. A. Caldwell, University of Louisville.

A GROUP of scientific men at Princeton who are interested in "analysis situs" is organizing an informal conference on the subject immediately preceding the April meeting of the American Mathematical Society in New York City. At that meeting there will be held an extensive symposium on all phases of analysis situs, but it is believed that a conference such as planned will provide closer contact and a more thorough exchange of ideas than can take place at a general meeting of the society. The topic to be considered will be "The Ideal Organization of the Subject Matter of Analysis Situs as it Stands To-day." There is, however, no idea of holding to this subject should the discussion develop in some other direction. The formal meetings of the conference will take place on Wednesday and Thursday, April 4, 5, at 2:30, Room 312, Palmer Physical Laboratory. In addition to the members of the Princeton group (Alexander, Alexandroff, Hopf, Lefschetz and Veblen) the participation of Professors Chittenden, Kline and Morse has been assured.

At the annual council meeting of The History of Science Society, held in New York at Teachers College, Columbia University, on February 25, officers for the year were elected as follows: *President*, Dr. Edgar F. Smith, University of Pennsylvania; *Vice-*

Presidents, Dr. John C. Merriam, Carnegie Institution of Washington, and Dr. James Harvey Robinson, 173 Riverside Drive, New York; *Recording Secretary*, Dr. Harry Elmer Barnes, Smith College; *Corresponding Secretary* and *Treasurer*, Mr. Frederick E. Brasch, Library of Congress; *Editor of Isis*, Dr. George Sarton, Harvard University; Members of the Council to serve until 1930, Dr. J. McKeen Cattell, editor of *SCIENCE*; Dr. Florian Cajori, University of California; Dr. George S. Brett, Toronto University; Dr. Lao G. Simons, Hunter College, New York, N. Y., and Dr. C. A. Browne, U. S. Bureau of Chemistry.

THE Civil Service Commission announces an examination for the position of chief of the Bureau of Dairy Industry, Department of Agriculture. The examination will consist solely of the consideration of qualifications by a special examining board. The entrance salary for the position is \$6,000. Applications must be on file with the commission in Washington not later than April 3.

UNIVERSITY AND EDUCATIONAL NOTES

THE Columbia University-Presbyterian Hospital Medical Center, which has been under construction for three years, was opened to public inspection for the first time on March 16. Six units were opened. They were the Presbyterian Hospital, the Sloane Hospital for Women, the Squier Urological Clinic, the Presbyterian Hospital School of Nursing Practice, the Harkness Pavilion and the Anna C. Maxwell Hall for Nurses. On March 19 the Presbyterian Hospital will begin to move to its new quarters. The College of Physicians and Surgeons, the School of Dental and Oral Surgery and the State Psychiatric Institute will move to the Center during the coming summer.

GIFTS amounting to \$2,000,000 have been made to the \$15,000,000 endowment fund for the six American colleges in the Near East since the nation-wide campaign for funds started on December 2. These gifts bring the total endowment up to \$9,010,760, plus the \$1,000,000 from the Rockefeller Foundation for Medical Work at the University of Beirut.

GROUND has been broken at the University of Washington for a new physics building to be built at a cost of \$465,000. This will be the first unit of a science group at the university. The building, a four-story structure of Gothic design, will cover an area of 80 by 230 feet and will be from 50 to 60 feet in height. The building is expected to be ready for occupancy by November of this year.

ACCORDING to the *Journal* of the American Medical Association, Tokyo Imperial University has decided to