

Dr. Waro Nakahara, hitherto an assistant in biophysics, has accepted an appointment as associate pathologist at the Government Institute for Infectious Diseases, Tokio Imperial University, and research associate at the Institute of Physical and Chemical Research of Tokio.

Dr. Everett S. Sanderson, hitherto an assistant in the department of animal pathology, has accepted an appointment as assistant professor of bacteriology in the Medical School of the University of Virginia.

Dr. David T. Smith, hitherto an assistant in pathology and bacteriology, has accepted an appointment as pathologist at the New York State Hospital for Incipient Tuberculosis, Ray Brook, New York.

Dr. Elmer L. Straub, hitherto an assistant in pathology and bacteriology, has accepted an appointment as assistant resident pathologist at the University of Louisville, Kentucky.

Dr. Chester M. Van Allen, hitherto an assistant in pathology and bacteriology, has accepted an appointment as assistant professor of surgery in the graduate school of medicine of the University of Chicago.

#### THE NEW BUILDING OF THE MARINE BIOLOGICAL LABORATORY

THE new building and laboratories of the Marine Biological Laboratory, at Woods Hole, were dedicated on July 3. Charles R. Crane, president of the Board of Trustees, presided and addresses were given by Professor Frank R. Lillie, director; Professor Edmund B. Wilson, Columbia University, and Professor Edwin G. Conklin, Princeton University. The addresses were followed by an inspection of buildings and work, with afternoon tea in the library. The first of the series of evening lectures was delivered by Professor W. J. V. Osterhout, his subject being "Absorption and accumulation."

In 1920 the first plans for the new building by Coolidge and Shattuck were before the trustees, and with the cooperation of the National Research Council a search for funds was begun. In January, 1924, one million four hundred thousand dollars were in hand. This fund represents contributions of the Rockefeller Foundation, the Carnegie Corporation, Mr. John D. Rockefeller, Jr., and the Friendship Fund. In addition, Mr. Charles R. Crane agreed to be responsible for the cost of the new building beyond the original estimate of five hundred thousand dollars. Nine hundred thousand dollars of the total sum has been invested for endowment. Previous to the acquisition of the new funds, the educational plant and other resources of the laboratory were valued at about five hundred thousand dollars, so that the laboratory now administers some two million dollars, represented by plant and investments.

While the new building provides ample space for the expansion of the library, a commodious lecture

hall and rooms for the general offices, the provisions important for scientific work are the research rooms, supplied not only with fresh and salt water for the aquaria, but with arrangements for the control of light and temperature and with the several forms of electric current. In addition there are special installations, such as X-ray rooms, galvanometer room, photographic rooms, experimental dark rooms, constant-temperature rooms, etc., to meet the requirements for advanced biophysical and biochemical work.

#### SCIENTIFIC NOTES AND NEWS

THE Council of the National Academy of Sciences has accepted the invitation of the University of Wisconsin to hold the autumn meeting of the Academy in Madison, Wisconsin, on November 9, 10 and 11. Arrangements for this meeting will be made by the local committee, the chairman of which is Professor C. K. Leith, University of Wisconsin, Madison, Wisconsin.

PROFESSOR ERNST COHEN, of the University of Utrecht, has been elected president, and Dr. James F. Norris, of the Massachusetts Institute of Technology, vice-president, of the International Union of Pure and Applied Chemistry, at its recent meeting in Bucharest. It was decided to hold the next meeting in the United States in 1926.

THE honorary degrees of doctor of science were conferred upon M. Niels Bohr, professor of physics and director of the Institute of Theoretical Physics at Copenhagen, and on Brigadier-General Charles G. Bruce, leader of the Mount Everest Expedition, by Oxford University on June 24.

DR. JOHN JOLLY, professor of geology and mineralogy in the University of Dublin, has received the honorary degree of doctor of science from the University of Cambridge.

THE honorary degree of doctor of engineering has been conferred upon Sir Dugald Clerk by the University of Liverpool.

DR. ALBERT E. WHITE, professor and director of engineering research in the University of Michigan, has had conferred on him by Brown University the honorary doctorate of science.

SYRACUSE UNIVERSITY has conferred the degree of doctor of science on Dr. Horatio B. Williams, professor of physiology in Columbia University.

DR. GEORGE GAILEY CHAMBERS, professor of mathematics at the University of Pennsylvania, has received from Dickinson College the honorary degree of doctor of science.

At its annual commencement Berea College conferred the honorary degree of doctor of science upon Professor Willard Rouse Jillson, state geologist and director of the Kentucky Geological Survey.

DR. R. W. THATCHER, director of the New York State Agricultural Experiment Station, was awarded the degree of doctor of laws at the commencement exercises at Hobart College on June 15.

DIRECTOR G. I. CHRISTIE, of Purdue University Agricultural Experiment Station, has received the honorary degree of doctor of science from the Iowa State Agricultural College.

At the anniversary meeting of the Linnean Society on May 26, the society's Linnean medal in gold, its highest award, was presented to Professor Francis Wall Oliver, professor of botany in the University of London at University College since 1888.

THE Albert medal has been awarded by the Council of the Royal Society of Arts, England, to Lieutenant-Colonel Sir David Prain, "for the application of botany to the development of the raw materials of the empire." The medal was instituted in 1863 by the society and is awarded annually "for distinguished merit in promoting arts, manufactures and commerce."

THE National Surgical Society of France has awarded the quinquennial Lannelongue prize, consisting of a gold medal and 5,000 francs, to Dr. George Crile, of Western Reserve University.

DR. LOUIS A. BAUER, director of the Department of Terrestrial Magnetism of the Carnegie Institution of Washington, has been elected to membership in the Institute of Coimbra, Portugal.

THE committee on the award of institute prizes of the American Institute of Electrical Engineers has made the following awards: The "transmission prize" for 1924 to R. D. Evans and R. C. Bergvall, authors of a paper entitled "Experimental analysis of stability and power limitations," and the "first paper prize" for 1924 to Murray F. Gardner, author of a paper entitled "Corona investigation on an artificial line."

DR. E. A. ECKHARDT, who for six years has been in charge of the sound laboratory of the Bureau of Standards, has resigned to join the staff of the newly organized research department of the Marland Oil Company of Oklahoma.

DR. ROBERT P. BIGELOW, professor of zoology and parasitology in the Massachusetts Institute of Technology, has been relieved from the duties of librarian in order to devote his entire time to teaching and research. William N. Seaver has been promoted from

assistant librarian to be librarian with the title of assistant professor.

ANNOUNCEMENT is made by Chas. M. Upham, director of the highway research board of the National Research Council, that Professor S. S. Steinberg, of the University of Maryland, has been designated acting secretary of the new investigation begun by that board on the development of earth roads.

DR. R. L. RIGDON, of the Stanford University Medical School, has been made emeritus professor of genito-urinary surgery and appointed consultant in urology at Lane Hospital.

On the thirtieth anniversary of his connection with the university, Dr. A. Carle, professor of surgery, Turin, was presented with a scholarship fund and a two-volume collection of scientific works dedicated to him.

PROFESSOR WILLIAM ERNEST DALBY, F.R.S., has been appointed a member of the Royal Commission on Awards to Inventors to fill the vacancy caused by the resignation of Robert Young.

At the anniversary meeting of the Linnean Society, London, the following officers were elected: *President*, Dr. A. B. Rendle; *treasurer*, H. W. Monckton; *secretaries*, Dr. B. Daydon Jackson (general), Dr. W. T. Calman (zoology) and J. Ramsbottom (botany).

THE following appointments have been made by the Royal College of Surgeons, England, for the ensuing year: Hunterian professors—Sir Arthur Keith, on the evolution of the higher primates; Arthur Edmunds, on pseudo-hermaphroditism and hypospadias and their surgical treatment; J. E. Adams, on the surgery of the jejunum; E. M. Woodman, on malignant disease of the esophagus; A. T. Edwards, on the surgical treatment of phthisis and bronchiectasis; A. L. Abel, on the treatment of cancer of the esophagus; H. W. B. Cairns, on neoplasms of the testicle. Arris and Gale lecturers—Stanford Cade, on cholecystography; Alfred Piney, on the importance of haematology in surgery. Erasmus Wilson lectureship—C. E. Shattock, demonstrations on pathology. Arnott demonstratorship—Sir Arthur Keith, demonstrations on the contents of the museum.

BEGINNING in January, 1926, Dr. Maynard M. Metcalf will be at the Johns Hopkins University, Homewood, Baltimore, Md., where he has accepted appointment as research associate in zoology. In September, 1925, he will go to South America, chiefly to collect Opalinidae for an intensive study of the sexual phases of the life history. He will spend several months at the Museo Nacional in Montevideo and

shorter periods in Rio de Janeiro, Buenos Ayres, Chile and Barro Colorado Island in the Panama Canal Zone. The Bache Fund of the National Academy of Sciences has made a grant toward the expenses of the trip.

DR. JOHN A. MILLER, director of Sproul Observatory at Swarthmore College, has left for Sumatra as head of the expedition to observe the total solar eclipse of January 14, 1926.

DR. S. F. BLAKE, of the Bureau of Plant Industry, is spending several weeks at museums in Paris, Geneva and London for the purpose of studying type specimens of certain American species of plants.

W. B. KILGORE, dean of agriculture of the North Carolina Agricultural Experiment Station, has resigned. He has gone to Europe in the interest of the American Cotton Exchange and will return at the end of July.

At the request of the government of Chile, Dr. John D. Long, assistant surgeon general, U. S. Public Health Service, will become technical adviser in public health to the Chilean ministry of hygiene.

DR. ALBERT PERRY BRIGHAM, of Colgate University, and Mrs. Brigham, are spending the summer and autumn in Europe, chiefly in France, Switzerland and England.

DR. THORNE M. CARPENTER, of the Nutrition Laboratory of the Carnegie Institution, Boston, has recently returned from a five-months' tour of university laboratories, clinics and research institutions in Norway, Sweden, Denmark, Germany, Switzerland, Austria, Hungary, France, Belgium, Holland and Great Britain. During the trip he gave thirty lectures on the investigations of the laboratory in twenty-two cities before various scientific organizations.

DR. W. R. B. ROBERTSON, of the department of zoology of the University of Missouri, and Dr. David D. Whitney, of the department of zoology of the University of Nebraska, are spending a part of the summer in the Kansas State Agricultural College. Dr. Robertson is carrying on cytological research, using the pedigreed grouse locusts (*Tettigidae*). Dr. Whitney is teaching zoology in the summer school and carrying on research with the rotifers of the region of Manhattan.

DR. PERCY NORTON EVANS, head of the department of chemistry at Purdue University for twenty-five years, died on July 3, at the age of fifty-six years.

JAMES BOLTON MACBRYDE, professor of chemistry at Virginia Polytechnic Institute, has died at the age of fifty-nine years.

PROFESSOR WALTER SCOTT HENDRIXON, professor of chemistry at Grinnell College, Iowa, has died, aged sixty-six years.

DR. LESLEY H. SPOONER, physician to the outpatient department of the Massachusetts General Hospital and formerly instructor in bacteriology at the Harvard Medical School, died on June 29, aged forty-four years.

PROFESSOR HERMANN KOSSEL, director of the Hygienic Institute in Heidelberg and brother of the physiologist, Albert Kossel, of the same university, recently died at the age of sixty-one years.

M. ANGHEL SALIGNY, the Rumanian engineer, who was responsible for many engineering works of Rumania, including the bridge over the Danube at Cernavoda and the ports of Constanza, Galatz, and Braila, has died at Bucharest.

THE tenth annual meeting of the Optical Society of America will be held at Ithaca, N. Y., on October 29, 30 and 31, 1925.

A CLIMATOLOGICAL congress, arranged by the Davos Institute for Alpine Physiology and Tuberculosis Research, will be held at Davos, Switzerland, on August 30 and 31.

WE learn from *Nature* that the fourteenth International Geological Congress is to be held in Madrid during May and June, 1926. The provisional list of subjects for general discussion includes the following topics: The world's reserves of phosphates and pyrites, geology of the Mediterranean and of Africa, Cambrian and Silurian faunas, Tertiary vertebrates and foraminifera, Hercynian folds, modern theories of metallogeny, vulcanism and the application of geophysical studies to geology. Excursions covering a wide range of interests are being arranged. The general secretary for the congress is Senor E. Dupuy de Lôme, Geological Institute of Spain, Plaza de los Mostenses 2, Madrid.

ORGANIZATION of a national Engineering Community Trust, with an endowment of \$20,000,000, under the headship of the Engineering Foundation and with headquarters in New York, is planned by American engineers and has the approval of Alfred D. Flinn, director of the Foundation, who said: "Mr. Swasey intended his gifts for the Engineering Foundation to be but the beginning of a trust for the engineering community, which would grow to great size by many additions from engineers and other persons who are interested in, or who have profited from, engineering."

PUBLIC lectures will be given at the New York Botanical Garden on Saturday afternoon at 4 o'clock during the months of July and August as follows:

July 4—"Trinidad: Its flora and scenery," Dr. F. J. Seaver; July 11—"How to think about evolution," Dr. C. Stuart Gager; July 18—"Seeds: Their tricks and traits," Dr. William Crocker; July 25—"Lilies," Dr. A. B. Stout; August 1—"The forest resources of the northwest and their conservation," Professor George B. Rigg; August 8—"Flowers of the summer garden," Kenneth R. Boynton; August 15—"The rose mallows, cultivated and wild," Dr. A. B. Stout; August 22—"The dismal swamp of Virginia," Dr. Arthur Hollick; August 29—"Scenery of our western mountains," Le Roy Jeffers.

THE program of the Astronomy and Physics Club of Pasadena has during the last three months included the following subjects: March 13—"The distribution of valence electrons in crystals," Dr. M. L. Huggins, National Research Fellow; April 3—"Recent work on the absorption of X-rays," Dr. F. K. Richtmyer; April 10—"On the theory of diamagnetism," Dr. S. J. Barnett; April 17—"Intensity of lines in multiplets," Dr. H. N. Russell; April 24—"Secondary emission due to positive ion bombardment," A. L. Klein; May 1—"The interior of stars," Dr. S. Rosseland; May 15—"Reports on the Washington meetings," Dr. R. A. Millikan; May 22—"Two-electron jumps," R. A. Millikan and I. S. Bowen; May 29—"Thallium fluorescence excited by mercury light," Dr. Stanislaus Loria.

THE Navy Department is making preparations to observe the solar eclipse January 14 from the East Indian Island of Sumatra. It will send an expedition from the United States Naval Observatory at Washington, headed by Captain F. B. Littell. The party will include George H. Peters and George M. Raynsford, astronomers from the Naval Observatory, and Professor J. A. Anderson, of the Mount Wilson Observatory. In addition there will be a corps of enlisted men including medical attendants and seamen. The expedition will sail from San Francisco September 1 on the *Chaumont* to prepare for the observations. Three tons of equipment have already been shipped to Norfolk. The observers will take motion pictures of the eclipse and pictures of the activities of the party and a vessel will be sent to Sumatra to conduct radio experiments during the eclipse period.

DR. WILLARD C. RAPPEYE has resigned as director of the New Haven hospital and as professor of administrative medicine at Yale University to accept the appointment of executive officer of the recently organized commission of medical education. He will be director of the survey of medical education which will be started by the Association of Medical Colleges. Other members of the commission to make the survey are President A. Lawrence Lowell, of Harvard University; President Ray L. Wilbur, of Stanford Uni-

versity; President Walter A. Jessup, of the University of Iowa; Chancellor Samuel P. Capen, of the University of Buffalo; Sir Robert Falconer, president of the University of Toronto; Dr. Walter L. Bierring, of the National Board of Medical Examiners, and former Dean George Blumer, of the Yale Medical School.

## UNIVERSITY AND EDUCATIONAL NOTES

DR. CLARENCE C. LITTLE has resigned the presidency of the University of Maine to become president of the University of Michigan, in succession to the late Dr. Marion L. Burton.

ADOLPH H. SCHULTZ, research associate in the department of embryology, Carnegie Institute of Washington, has been appointed associate professor of physical anthropology in the Johns Hopkins University.

DR. EDWARD SAPIR, director of the Victoria Museum, Ottawa, has been appointed associate professor of anthropology at the University of Chicago.

DR. HORACE SCUDDER UHLER has resigned his position as associate professor of physics at Yale College to become head of the department of physics in Gettysburg College.

DR. RICHARD A. MUTTKOWSKI, associate professor of vertebrate zoology at the University of Idaho, has become professor of biology at the University of Detroit. During the months of July and August Professor Muttkowski will be in Glacier Park, investigating lakes and streams for the Bureau of Fisheries.

REVEREND JAMES B. MACELWANE, S.J., assistant professor of geology and director of the seismographic station at the University of California, has been appointed professor of geophysics and seismology and director of the seismographic station and of a new department of geophysics and seismology in the Saint Louis University, Missouri. Dr. Perry Byerly, Jr., instructor in physics in the University of Nevada, has been appointed instructor in geology and director of the seismographic station at the University of California.

RECENT appointments to the staff of the State Agricultural Experiment Station at Geneva include C. B. Sayre, of the University of Illinois, as associate in research (horticulture); Leon K. Jones, of the University of Wisconsin, as associate in research (plant pathology), and L. R. Hawthorn, a graduate student at Cornell University, as assistant in research (horticulture).

PROMOTIONS in the faculty of the Case School of Applied Science have been announced as follows: As-