

George Bouyoucos, of the Michigan Agricultural College, on "Soil Moisture."

John Arthur Wilson, of Milwaukee, on "Activated sludge method of sewage disposal."

Harry N. Holmes, of Oberlin College, on "Emulsions."

Ross A. Gortner, of the University of Minnesota, on "Some aspects of acid and alkali binding by proteins."

Neil E. Gordon, of the University of Maryland, on "Soil adsorption."

Jerome Alexander, of New York, on "Bentonite and other colloidal clays."

Arthur I. Kendall, of Northwestern Medical School, on "Bacteria as colloids."

W. J. Kelley, of the Goodyear Rubber Company, on "The determination of size of particles and their distillation."

About six more papers are planned for the program. It is also hoped that a distinguished colloid chemist from abroad will attend as the guest of honor of the symposium.

THE STANFORD UNIVERSITY MEETING OF THE PACIFIC DIVISION AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE eighth annual meeting of the Pacific Division American Association for the Advancement of Science will be held at Stanford University June 25 to 28, 1924. The preliminary announcement just issued contains an interesting sketch of Stanford University, setting forth briefly its physical characteristics together with its educational advantages and equipment. As one of the great educational institutions of the west and a widely recognized center of research activities it is peculiarly adapted for the meetings of the various scientific societies which will hold sessions under the auspices of the Pacific Division. The large resident membership in the vicinity of California's two great universities assures good representation at this meeting and a general program of extraordinary interest has been arranged.

The usual research conference will be held at which it is planned to discuss several outstanding pieces of research which have been in progress during the year.

On Wednesday afternoon, June 25, a symposium will be presented on "Food Problems" with the following subjects and speakers:

(1) *Food economics.* Dr. Alonzo E. Taylor, director of the Food Research Institute, Stanford University.

(2) *Disposition of California food products.* Ralph P. Merritt, regent, University of California.

(3) *The vitamin problem.* Dr. H. M. Evans, professor of anatomy, University of California.

(4) *Aspects of the food situation in the Orient.* Dr. E. D. Merrill, professor of agriculture and dean of the College of Agriculture, University of California.

The address of the retiring president, Dr. David Starr Jordan, will be given on Wednesday evening, June 25, following an address of welcome by President Ray Lyman Wilbur, of Stanford University, and response by Dr. C. E. Grunsky, chairman of the executive committee. President Jordan will speak on "Science and sciosophy."

Following the address of the president the usual public reception will be held.

A feature of the general sessions will be an address by the distinguished parasitologist, Dr. George Henry Falkner Nuttall, of Cambridge University, England. Dr. Nuttall will speak on "Symbiosis" on Thursday evening, June 26.

Various excursions of scientific interest have been planned for Friday and Saturday, among which may be mentioned one to Lick Observatory. A cordial invitation has been extended to all members to visit the observatory on Friday evening, June 27. Transportation and a picnic luncheon will be provided and the evening will be set aside for the entertainment of the guests.

The university dormitories on the campus will be available at reasonable prices for sleeping accommodations and ample provision will be made for the comfort and entertainment of visitors.

The following scientific societies are scheduled to hold meetings during the convention:

American Chemical Society, California Section
Southern California Section
American Meteorological Society
The American Physical Society
Astronomical Society of the Pacific
The Ecological Society of America
Pacific Coast Entomological Society
Pacific Coast Branch, Society for Experimental Biology and Medicine
Pacific Division of the Plant Physiological Section of the Botanical Society of America
Pacific Slope Branch, American Association of Economic Entomologists
Seismological Society of America
Society of American Foresters
Utah Academy of Sciences
Western Society of Naturalists
Western Society of Soil Management and Plant Nutrition

SCIENTIFIC NOTES AND NEWS

ERNEST FOX NICHOLS, director of research, Nela Research Laboratories, Cleveland, died in Washington on the morning of April 29, while reading a paper before the National Academy of Sciences.

G. STANLEY HALL, president emeritus of Clark University, distinguished for his contributions to psychology, died on April 24, aged seventy-eight years.

PROFESSOR O. W. RICHARDSON, of King's College, London, has been appointed to be the third Yarrow research professor of the Royal Society. He will remain a member of King's College and will continue to carry out his researches in the physics laboratory of the college. Prior to Professor Richardson's appointment as Wheatstone professor of physics at King's College, in 1913, he was professor of physics at Princeton University.

THE University of Paris has decided to confer honorary doctorates in the faculty of science on Professor H. A. Lorentz, University of Leyden, and Dr. C. D. Walcott, secretary of the Smithsonian Institution.

AT the annual meeting of the Chemical Society of London on March 27, the president of the society, Dr. W. P. Wynne, presented the Longstaff Medal to Professor F. G. Donnan, in recognition of his contributions to physical chemistry.

A COMMITTEE has been formed in Rome, composed of friends, colleagues and admirers of Senator Professor Battista Grassi, which hopes to commemorate the seventieth birthday of that famous worker in biological science and at the same time the fortieth anniversary of his uninterrupted teaching. The committee is raising funds for a "Grassi Foundation for Zoological Studies of Parasitic Diseases." The secretary of the committee is Cav. Paola Luigioni, Via della Dogana Vecchia, 27, Rome (19), to whom subscriptions should be sent. Subscriptions from the United States will be welcomed.

THE Scientific Societies meeting in Buffalo during the second week in April elected presidents as follows: The American Association of Anatomists, Professor Florence R. Sabin, of the Johns Hopkins University; The American Association of Pathologists and Bacteriologists, Dr. H. E. Robinson, of the Mayo Clinic, Rochester, Minn.; The American Association for Cancer Research, Dr. Erwin F. Smith, of the U. S. Department of Agriculture; The American Association of Immunologists, Professor Frederick G. Novy, of the University of Michigan; The Association of Medical Museums, Major James Coupal, of Washington, D. C.

THE twenty-first annual (139th) meeting of the Society for Experimental Biology and Medicine was held at the College of the City of New York on April 16 at 5 P. M. Eight papers were read and twelve presented by title. The annual dinner, held at 7:15 P. M., was made the occasion of memorial remarks for the late past-president of the society, Jacques Loeb. Appreciations of Dr. Loeb's ideals and contributions to science were given by Drs. A. J. Goldfarb, A. R. Moore and D. D. Van Slyke. Officers

elected for 1924-25 were: *President*, Holmes C. Jackson; *Vice-President*, James W. Jobling; *Secretary-Treasurer*, Victor C. Myers, and *Councilor*, 1924-26, Peyton Rous. The Nominating Committee elected for the next academic year is composed of W. R. Bloor, A. J. Goldfarb, L. B. Mendel, C. P. Sherwin, D. D. Van Slyke, G. B. Wallace and Hans Zinsser.

AT the ninth annual convention of the American Association of Petroleum Geologists, held March 26 to 28, James H. Gardner, president of the Gardner Petroleum Co., of Tulsa, Okla., was elected president.

DR. R. C. WALLACE, professor of geology in the University of Manitoba, has been elected president of the Canadian Institute of Mining and Metallurgy.

DR. FRANK D. ADAMS, vice-president of McGill University, dean of the faculty of graduate studies and of the faculty of applied science, and professor of geology, has tendered his resignation and will leave McGill at the end of the present academic year, after completing a service that extends over a period of thirty-five years.

DR. GEORGE E. DE SCHWEINITZ has resigned as professor of ophthalmology in the Medical School of the University of Pennsylvania.

PROFESSOR CHARLES-EDWARD A. WINSLOW, chairman of the Department of Public Health, of the Yale School of Medicine, and Professor Ira V. Hiscock, of the department, are in Minneapolis, Minnesota, where they have been invited by the Council of Social Agencies to make a study of the health machinery of the city.

DR. GEORGE W. MCCOY, surgeon, U. S. Public Health Service, has been appointed consultant to represent the United States on the Permanent Standards Committee for the Standardization of Sera and Serologic Tests.

DR. MARSTON T. BOGERT, professor of organic chemistry at Columbia University, has been elected chairman of the National Research Council committee on chemical research on medicinal substances.

ASSOCIATE PROFESSOR WILMER E. DAVIS, of the department of botany and plant pathology, of the Kansas State Agricultural College, has been granted a year's leave of absence, beginning on September 1, in order to accept an invitation to join the staff of the Thompson Institute for Plant Research, Yonkers, New York. He will devote his time to the completion of several manuscripts and to work on some problems in connection with seed germination.

DR. ALBERT BARRETT MEREDITH, state commissioner of education for Connecticut, has been appointed a trustee of the Peabody Museum of Yale University.

SHELBY M. HARRISON, director of the department of surveys and exhibits, in charge of the studies of social conditions of the regional plan of New York and its environs, has been appointed vice general director of the Russell Sage Foundation.

DR. CASSIUS JACKSON KEYSER, Adrian professor of mathematics, and Edward Kasner, Ph.D., professor of mathematics in Barnard College, will represent Columbia University at the International Mathematical Congress to be held in Toronto during August, 1924.

PROFESSOR ELLSWORTH HUNTINGTON, of Yale University, who sailed last May as a delegate to the Pan-Pacific Science Congress, recently returned to the United States after visiting Japan, China, Java and Australia.

PROFESSOR KOTARO HONDA, professor of physics and metallurgy in the Iron and Steel Research Institute of the Imperial University at Sendai, Japan, recently visited the United States on his way to attend the spring meeting of the Iron and Steel Institute, England.

THE Argentine public health service has invited Dr. Muehlens, professor at the Institute for Tropical Diseases at Hamburg, to study the malaria situation in Argentina.

DR. ALBERT EARL VINSON, professor of agricultural chemistry in the University of Arizona, and chemist in the Experiment Station, has been appointed chemist in a scientific institute which is being organized at Port au Prince, Haiti, of which Dr. George T. Freeman, formerly of the Arizona College of Agriculture, is the director.

C. H. BAILEY, professor of agricultural biochemistry in the University of Minnesota and director of the Minnesota State Experimental Flour Mill, has been granted a leave of absence for one year for research and experiment work for the Biscuit and Cracker Manufacturers' Association. He will be stationed in New York.

PROFESSOR R. A. MILLIKAN, of the California Institute of Technology, will give three lectures in Buffalo on the evenings of May 5, 6 and 7 under the auspices of The Buffalo Society of Natural Science, Canisius College and the University of Buffalo. The titles of the lectures are: "Modern atomic theories," "Filling the gap between light and X-ray," "Pulling electrons out of atoms."

ON the evening of April 17, Dr. Arthur L. Day, director of the Geophysical Laboratory of the Carnegie Institution, delivered the annual Sigma Xi lecture at Swarthmore College. He spoke on "Some causes of volcanic activity."

THE titles of the Lane Medical Lectures to be deliv-

ered by Professor Ludwig Aschoff, professor of pathology of the University of Freiburg, at Stanford University Medical School, San Francisco, from May 26 to 30 are as follows: Place of origin of the biliary pigment; Arteriosclerosis; Ovulation and menstruation; the morphology and function of the adrenal cortex; fatty degeneration.

IN honor of the distinguished service of the late Henry Marion Howe, who was professor of metallurgy in Columbia University from 1897 to 1913, the title of his successor, William Campbell, Sc.D., has been changed to Howe professor of metallurgy.

A CORRESPONDENT writes: George A. Smith, for twenty-four years chief of the Dairy Division of the New York State Agricultural Experiment Station at Geneva, has died at the home of his daughter in Kingston, N. Y., at the age of eighty-two years. Mr. Smith retired from active work in November, 1921. While directing the dairy work at the Experiment Station, Mr. Smith contributed much to the practical solution of many dairy problems. His most notable contribution was probably in the demonstration that tuberculosis could be eliminated from a dairy herd by means within the reach of every dairy farmer. The station herd was freed from tuberculosis in 1906, and since then there has never been a demonstrated case in the herd. Mr. Smith also contributed much toward the solution of problems in cheese making.

THE *Journal* of the Washington Academy of Sciences reports that Benjamin A. Colonna, an officer of the Coast and Geodetic Survey from 1870 to 1885, died in Washington on March 11, 1924, at the age of eighty years. He was promoted through all grades of the service, but was disabled by an accident while on field work in the Strait of Fuca, and never completely recovered his health. In recent years he had been engaged in private business in Norfolk and Washington.

ALBERT HUGH JONES, the English entomologist, who made important contributions to science while engaged in banking, has died at the age of eighty-four years.

PROFESSOR T. RITTENER, author of works on geology and glaciology, died at Ste. Croix, Switzerland, on April 9, aged sixty-seven years.

THE autumn meeting of the American Chemical Society will be held at Cornell University from September 8 to 13.

THE third Pan-American Scientific Congress will meet in Lima, Peru, on November 16, 1924. The congress is composed of nine sections as follows: (1) Anthropology, history and related sciences; (2) physics, mathematics and related sciences; (3) mining, metallurgy, economic geology and applied chemistry; (4) engineering; (5) medicine and sani-

tation; (6) biology, agriculture and related sciences; (7) private, public and international law; (8) economics and sociology; (9) education.

A PUBLIC Health Congress, organized by the Royal Institute of Public Health, will be held from June 4 to 9, at Bordeaux, under the presidency of Lord Burnham. The presidents of sections include Sir Humphrey Rolleston, Sir Ronald Ross and Sir John Bland-Sutton.

THE United States Civil Service Commission announces the following open competitive examination: Physicist, \$3,800 to \$3,600 a year; associate physicist, \$3,000 to \$3,600 a year; assistant physicist, \$2,400 to \$3,000 a year. Applications will be rated as received until July 1. The examinations are to fill vacancies in the Bureau of Standards, Department of Commerce, and vacancies in positions requiring similar qualifications, at the entrance salaries stated above. Competitors will be rated on the following optional subjects: Heat, electricity, mechanics, optics, radio, physical metallurgy and any specialized work in the field of physics not included in any of the above. The work of the Bureau of Standards includes many branches of physics, chemistry, engineering and technology, such as mechanics, heat, optics, electricity, sound, metrology, metallurgy, radio, electronics, engineering (gas, electrical, mechanical, etc.), and offers valuable experience in these professions, combining as it does theoretical, experimental and practical work. The duties of these positions are in connection with original investigations in some field of the bureau's work. Competitors will not be required to report for examination at any place, but will be rated on their general education and experience, special education and training in physics and mathematics, and writings to be filed with the application.

UNIVERSITY AND EDUCATIONAL NOTES

BROWN UNIVERSITY receives a bequest of \$250,000 by the will of the late John B. Hegeman, former president of the Metropolitan Life Insurance Company, for the erection of a hall of residence for students.

PROPOSALS for linking up Sheffield University with technical schools in the iron and coal districts round the city were adopted at a recent meeting of the council of the university. Two schools, Barnsley Technical School and Scunthorpe Central and Evening Technical School, are affected for the present, and it will be possible for students in engineering,

metallurgy and mining there to begin training for degrees or associateships, under the recognition of the university.

AT Yale University Dr. J. Crosby Chapman has been promoted to a full professorship of educational psychology and Dr. Raymond Garrison Hussey has been advanced to an associate professorship of pathology.

WILLIAM S. FOSTER, A.B., Ph.D. (Cornell), who has been at the University of Minnesota since 1919, has been promoted to a professorship of educational psychology.

L. GRANT HECTOR has been appointed assistant professor of physics at the University of Buffalo. Mr. Hector is completing his work for the doctor's degree at Columbia University this year.

F. E. FARNSWORTH, Ph.D. (Wisconsin), has been elected to an associate professorship at the University of Maine. Mr. Farnsworth has been an instructor at the University of Pittsburgh, and during the past two years has been National Research Fellow at the University of Wisconsin.

DR. REYNOLD A. SPAETH, associate professor of physiology at the School of Hygiene and Public Health, Johns Hopkins University, has accepted a three year appointment from the Rockefeller Foundation as visiting professor of physiology at the reorganized Medical School of Chulalongkorn University in Bangkok, Siam. Dr. Spaeth and his family expect to arrive in Bangkok in November, but instruction will not begin until May, 1925.

PROFESSOR HANS SPEMANN, of the University of Freiburg, has been called to the chair of zoology and comparative anatomy in the University of Munich, as successor to Richard Hertwig.

PROFESSOR MARTIN GILDEMEISTER, of Berlin, has been called to the chair of physiology in the University of Leipzig to succeed the late Professor S. Garten.

DISCUSSION AND CORRESPONDENCE

LEIDY AND MARSH

WHILE reading Professor Osborn's memorial address, "Joseph Leidy, Founder of Vertebrate Paleontology in America,"¹ I was greatly astonished to see that he doubts "if you will find in the writings of . . . Professor Marsh a single allusion to the work of Leidy." Further, that in the rivalry between Cope and Marsh, "Leidy was totally forgotten." Remembering the warm words Marsh spoke to me

¹ Science, February 22, 1924, p. 175.