

E. Roubaud, Professor Metalnikov, Mr. K. Toumanoff and Mr. V. Chorinee, of the Pasteur Institute; Director A. Paillot, of France; Professor H. Prell and Dr. H. Sachtleben, of Germany; Dr. A. Kemner, of Sweden; Professor A. Kotlan and Dr. Bela Husz, of Hungary; Professor Vale Vouk, of Yugoslavia, and Director W. Knechtel, of Roumania.

At the suggestion of the ministers of agriculture of Hungary, Yugoslavia and Roumania, a commission was formed to consider the formulation of uniform corn borer regulations in the three countries comprising the central European corn belt. Members of this commission are Dr. Tage Ellinger, chairman; Director Knechtel, of Roumania; Dr. Siegeseu, of Hungary, and Professor Vouk, of Yugoslavia.

THE TEXAS ACADEMY OF SCIENCE

THE Texas Academy of Science completed its reorganization during a meeting held at the University of Texas at Austin on May 24 and 25. The Texas Academy was first organized in 1892 and continued its meetings up to the time of the war. Its total membership was about five hundred, and twelve volumes of proceedings were published. A preliminary meeting for reorganization was held in San Antonio on November 29. The membership at the time of the present meeting is about seventy-five. A section in the newly adopted constitution incorporated the membership of the old academy into the new, thus making the total membership about one hundred and twenty-five. At the first session Dr. E. P. Schoch gave a concise history of the search after potash deposits in West Texas, and predicted what might be expected as a result of the findings. Dr. B. C. Tharp gave an illustrated lecture on the vegetation of Padre Island and the Gulf Coast country. At night the University of Texas gave a dinner in honor of the old and new academies. Dr. H. Y. Benedict, president of the university, presided. Dr. Frederick W. Simonds, senior professor of the university, spoke on the history of the old academy, telling of noted investigators who belonged to its membership, and of their work and publications. To illustrate his talk, he introduced Dr. R. T. Hill, of the U. S. Geological Survey, who was the honor guest at dinner, as an example of the membership. Dr. Simonds closed his talk by saying that the reorganized academy had an immense opportunity and a running start. There were about seventy-five present. At the business meeting on Saturday morning a tentative constitution was adopted. The first regular meeting was set for the last week in November. C. T. Reed, Kingsville Normal School, is president. H. B. Parks, Texas Agricultural Experiment Station, is secretary.

SCIENTIFIC NOTES AND NEWS

DR. THEOBALD SMITH, who reaches the age of seventy years on July 31, retires from the directorship of the department of animal pathology of the Rockefeller Institute for Medical Research on June 30. Dr. Carl TenBroeck, now a member of the institute, has been appointed acting director in his place. Dr. Smith has held the directorship since July 1, 1914, at which time he transferred from Harvard University to the Rockefeller Institute. He will continue to carry on his scientific work at the Princeton laboratories of the institute.

DR. JOSEPH S. AMES, dean of the college faculty and for three years provost of the Johns Hopkins University and formerly professor of physics and director of the laboratory of physics, has been elected to succeed Dr. Frank J. Goodnow, who has been president since October, 1914, succeeding the late Dr. Ira S. Remsen. The resignation of Dr. Goodnow, given to the board in January, 1928, was accepted to take effect on July 1 next in agreement with his wishes. He will become president emeritus, continuing his connection with the university by conducting a course of lectures. Dr. Ames is chairman of the National Advisory Committee for Aeronautics, which has done much important research work on the scientific phases of aeronautics.

DR. HERMAN SCHNEIDER, since 1919 dean of the college of engineering and commerce of the University of Cincinnati, has been elected president of the university. Daniel Laurence, business manager, has been elected vice-president. Dr. Schneider has been acting president since the retirement of President Frederick Charles Hicks.

At the commencement exercises of the Case School of Applied Science, the doctorate of engineering was conferred on Dr. Charles S. Howe, the retiring president, and on Dr. William Elgin Wickenden, president-elect, who gave the commencement address. Dr. Howe retires after having served the Case School for forty years, twenty-seven of these as president.

At the recent commencement exercises at Columbia University, the honorary doctorate of science was conferred on George Emerson Brewer, surgeon, and William Hallock Park, physician and medical officer, both of New York City, and on Dr. Augustus Trowbridge, dean of the Princeton University Graduate School. The doctorate of science in pharmacy was conferred on Walter A. Bastedo, pharmacist, physician and medical author; Robert A. Hatcher, professor of pharmacology at Cornell Medical College; Charles F. Schleussner, pharmacist; Wilbur L. Scoville, chairman

of the National Formulary Revision Committee, and on Frederick J. Wulling, dean of the University of Minnesota School of Pharmacy.

ON the occasion of its fifty-seventh commencement, Swarthmore College conferred honorary degrees on Dr. William F. G. Swann, director of the Bartol Foundation of the Franklin Institute, and Dr. Howard McClenahan, secretary of Franklin Institute. Dr. McClenahan delivered the commencement address.

THE honorary degree of doctor of laws was conferred by the University of Arkansas on commencement day, June 3, on George W. Droke, who becomes emeritus professor of mathematics next year, and on Dr. Frank Vinsonhaler, dean of the school of medicine.

THE medal of the class of 1889, Columbia University, which is conferred every three years on the graduate of the school of mines, engineering, chemistry or architecture who distinguishes himself to the greatest extent, was awarded at a luncheon given during the commencement exercises to Dr. Irving Langmuir. The medal goes to Dr. Langmuir for "distinguished achievement in improving the incandescent electric light."

DR. GEORGE E. BURGESS, director of the Bureau of Standards, was reelected president of the National Conference on Weights and Measures at its recent meeting.

THE committee on scientific research of the American Medical Association has made a grant of \$750 to Dr. George R. Herrmann, associate professor of medicine in the Tulane Medical School, for the study of problems in circulation.

DR. B. YOUNGBLOOD, for seventeen years director of the Texas Experiment Station and for the past three years principal economist in the division of cotton marketing of the bureau of agricultural economics of the U. S. Department of Agriculture, has been appointed principal economist in the office of experiment stations. He will give his attention primarily to studying the status of research in this field, the nature of the complex problems presented and the organization of definite projects to advance their solution.

DR. A. G. BLACK, of the University of Minnesota, will become head of the department of agricultural economics in the Iowa State College, and chief of the agricultural economics section of the experiment station on July 1, succeeding Dr. C. L. Holmes.

DR. JOHN LEE COULTER, president of the North Dakota Agricultural and Mechanical College at Fargo, North Dakota, who has specialized in rural economics, has been appointed chief economist of the

Tariff Commission. He succeeds to the post made vacant by Dr. Charles R. Turner, resigned.

RUDOLPH DIEFFENBACH will be the head of the new division of land acquisition which will come into being in the Bureau of Biological Survey on July 1. Mr. Dieffenbach has been a land-valuation engineer of the Biological Survey since 1925, and for thirteen years previously was with the Forest Service surveying and appraising lands for acquisition for forest purposes, classifying forest lands and relocating boundaries of forest lands.

DR. H. W. GILLETT, for many years chief of the division of metallurgy of the Bureau of Standards, has become editorial director of *Metals and Alloys*, a new monthly periodical published by the Chemical Catalog Company, Inc., by special arrangement with the Battelle Memorial Institute, Columbus, Ohio, of which Dr. Gillett becomes director on July 1. Dr. Gillett will be assisted by Mr. Richard Rimbach, of Pittsburgh.

RUSSEL H. ANDERSON, of the faculty of the University of Illinois, has been appointed to the curatorship of the division of agriculture in the Rosenwald Industrial Museum. Mr. Henry L. Johnson, of the Graphic Arts Company, Boston, will organize its division of printing and graphic arts.

RENÉ LERICHE, professor of surgery at Strasbourg, is visiting the United States primarily for the acceptance of an honorary degree from Harvard University at its commencement in June. He has been for two weeks director of surgery *pro tempore* at the Lakeside Hospital, Cleveland, Ohio, at the invitation of Professor Elliott C. Cutler. He will then visit the surgical clinics at Chicago, Rochester, Minnesota, St. Louis and Nashville, Tennessee. He was for the ten days before the Harvard commencement chief surgeon *pro tempore* at the Peter Bent Brigham Hospital, Boston, at the invitation of Professor Harvey Cushing.

DR. EDWARD H. HUME, executive vice-president of the New York Post-Graduate Medical School and Hospital, sailed for Great Britain on June 7 to spend several weeks studying post-graduate medical education in London, Edinburgh and Dublin.

DR. VILHJALMUR STEFANSSON has returned to the United States from England after delivering seventeen lectures at Cambridge, five at Oxford, two at London University and a single lecture before the Royal Geographical Society of London, besides various addresses before Chambers of Commerce and similar gatherings.

DR. S. A. WAKSMAN, microbiologist of the New Jersey Agricultural Experiment Station, left on May

22 to spend several months in Europe. He will attend the meetings of the Commission on Soil Chemistry of the International Society of Soil Science in Budapest from July 1 to 6 and will preside at the meetings of the Commission on Soil Microbiology of the society in Stockholm from July 25 to July 27. Numerous visits are contemplated at research laboratories on the continent.

DR. A. S. HITCHCOCK, principal botanist in charge of systematic agrostology of the U. S. Department of Agriculture, left New York on June 8 for London on his way to South Africa. He will attend, by invitation, the South African Association for the Advancement of Science, which is meeting in conjunction with the British Association at Cape Town and Pretoria and will give a paper on the "Relation of Grasses to Man." Dr. Hitchcock will visit Victoria Falls and then, by way of Beira, Portuguese East Africa, will go to Tanganyika and Kenya, where he will spend about a month collecting grasses on the tableland about Nairobi. He hopes to obtain temperate and alpine species on Mt. Kilimanjaro. The return to London will be through the Red Sea, with brief stops in Egypt and Palestine.

BILLS signed by Governor Franklin D. Roosevelt, of New York State, include a bill appropriating \$13,000 for the Geneva Experiment Station for research in certain insect pests. Another grants \$5,000 to the College of Home Economics for research on the living costs on farms. An appropriation of \$150,532 is made for new activities at the College of Agriculture, including investigations on the muck soil of the state, the production, storage and diseases of potatoes, problems involved in regional agricultural adjustment, the operation of city markets, cooperative marketing, aspects of rural government, and extension and development of the work in animal husbandry, including a new calf barn, extensive alterations in existing barns, larger maintenance funds and additions to the staff. The bill also carries \$10,000 for printing and a new editorial assistant. In addition to these special appropriations, the regular appropriation bills carried \$29,000, a fund for immediate needs, \$21,000 for general items in the College of Agriculture, \$7,950 for Home Economics, and \$26,260 for the Geneva Station.

At the annual meeting of the American Otological Society at Atlantic City on May 22 and 23, Professor Madison Bentley, of Cornell University, was the guest of the society and delivered an address on "The Psychologist's Interest in Hearing."

PROFESSOR CHARLES T. KNIPP, of the department of physics, of the University of Illinois, gave an illustrated lecture on "Cambridge University—The Caven-

dish Laboratory," on May 21, before Sigma Xi at Purdue University.

AMONG those who have accepted invitations to take part in the Sixth Annual Institute of the Norman Harris Memorial Foundation of the University of Chicago are Dr. Raymond Pearl, professor of biology and director of the Institute for Biological Research of the Johns Hopkins University; Dr. Charles B. Davenport, director of the Eugenics Laboratory, Cold Spring Harbor, New York; Dr. Warren S. Thompson, director of the Scripps Foundation for Population Research, and Dr. Louis I. Dublin, statistician of the Metropolitan Insurance Company.

WE learn from *Nature* that the Davy centenary celebrations at Penzance were planned for June 8, the arrangements having been made by the Royal Geological Society of Cornwall, the Royal Institution of Cornwall and the Royal Cornwall Polytechnic Society; the headquarters of which were, respectively, at Penzance, Truro and Falmouth. At noon on that day the Mayor of Penzance, accompanied by members of the Town Council and of the three Cornish societies, proceeded to the Davy statue, upon which a wreath was placed; luncheon was served at the pavilion, after which a public meeting was held in the same building over which the mayor presided. Addresses were given by Dr. J. Symons, president of the Royal Geological Society of Cornwall; Mr. J. C. Tregarthen, Sir Humphry Davy Rolleston and Sir Ambrose Fleming, the last of whom represented the Royal Institution of Great Britain, where for eleven years Davy worked and lectured. An exhibition of Davy relics was on view.

DR. LEIGH H. PENNINGTON, professor of forest botany at the New York State College of Forestry, Syracuse, died suddenly in Washington on April 23, at the age of fifty-one years. He was on sabbatical leave and had been employed by the government as expert forest pathologist on the study of the white pine blister rust. He had taught at the New York State College of Forestry for fourteen years.

DR. GEORGE SHARP RAYMER, associate professor of mining at Harvard University, died on June 3 at the age of seventy-three years.

GEORGE C. BRYANT, formerly expert on the crop reporting board of the U. S. Department of Agriculture, has died at the age of fifty-nine years.

APPROXIMATELY forty students and members of the faculty of Ball State Teachers College, Muncie, Ind., participated in the dedication of Dryer Memorial Hill and the Cairn of Remembrance, held at Pakagon State Park on Lake James, on May 25. The ceremonies were held in remembrance of Charles Redway

Dryer, late Indiana geographer, and were held in connection with the spring meeting of the Indiana Academy of Science. The Dryer Geography Club at the college, under the direction of Professor Frederick J. Breeze, head of the department of science, prepared the program, which included addresses by eminent scientific men of the state.

THE Swiss Naturforschende Gesellschaft will hold its one hundred and tenth annual meeting at Davos, from August 29 to September 1, under the presidency of Dr. W. Schibler.

At the annual congress of the Southeastern Union of Scientific Societies, which was held at Brighton, from June 5 to 8, Sir Arthur Keith gave his presidential address on "Southern Englishmen of the Pre-Roman and Roman Period."

THE fourteenth annual conference of the British Museums Association will be held at Worthing from July 1 to 5, under the presidency of Sir Henry Miers. The presidential address, on "Cooperation—the Association's Task," will be delivered on July 2, and will be open to discussion. In connection with the conference there will be an exhibition of museum furniture and requirements.

THE first assembly of the Pan-American Geographical and Historical Institute will convene at Mexico City in August, according to an announcement made recently at the Pan-American Union. The institute was created by resolution of the sixth International Conference of American States, which met at Havana in 1928, and by resolution of the Governing Board of Pan-American Union Mexico City was selected as the seat of the institute.

THE U. S. Civil Service Commission states that the positions of five senior chemists to direct chemical and technological research in the bureau of chemistry and soils of the Department of Agriculture are vacant and that in view of the importance of these positions in the field of chemical research and to insure the appointment of thoroughly qualified men for this work, an unusual method of competition will be followed to fill these vacancies. Instead of the usual form of civil service examination, the qualifications of candidates will be passed upon by a special board of examiners composed of W. W. Skinner, acting chief of the chemical and technological research unit of the bureau of chemistry and soils, Department of Agriculture; Percy H. Walker, chief of the paint and varnish section, Bureau of Standards, and A. S. Ernest, examiner of the U. S. Civil Service Commission, who will act as chairman of the committee. For the purposes of this examination all will be examiners of the Civil Service Commission. The work in three

of these positions is in connection with research in organic chemistry to ascertain the structure of complex organic compounds of high molecular weight naturally occurring in certain tropical plants and characterized by high toxicity to fish and insects. The work of the fourth senior chemist position is concerned with the direction of research in inorganic and physical chemistry with special reference to insecticides and fungicides. The fifth senior chemist will engage in investigations of the physical properties and chemical compositions of turpentines, rosins and other naval stores products. The entrance salaries are \$4,600 a year. Formal applications will be received by the commission until June 20.

THE medical fellowship board of the National Research Council, of which Dr. G. Carl Huber, professor of anatomy and dean of the graduate school of the University of Michigan, is the chairman, met on April 27 and made the following appointments for the year 1929-1930: *Reappointments*: Simon Dworkin, physiology; Stephen J. Maddock, experimental surgery; Kenneth I. Melville, pharmacology and physiology; Valy Menkin, physiology; David McK. Rioch, neurophysiology; Ethel D. Simpson, physiology. *New appointments*: Edgar V. Allen, internal medicine; Eric G. Ball, physiological chemistry; Claude H. Forkner, pathology and clinical investigation; Emidio L. Gaspari, bacteriology and immunology; Arthur K. Koff, obstetrics; Milton Levy, biochemistry; Ava J. McAmis, physiological chemistry; Leone McGregor, pathology; Charles Midlo, anatomy; Bruce Webster, internal medicine. The next meeting of the board will be held on September 14, and applications to receive consideration at that time should be filed on or before August 1.

THE South Dakota Academy of Science held its fifteenth annual meeting at Sioux Falls, S. D., on May 1 and 2. The afternoon of the first day was devoted to the reading of papers by members of the academy. A banquet was served to the members and guests at six o'clock followed by an address on "The Chemistry of Wheat," by Professor J. M. Blish, of the University of Nebraska. The forenoon of May 2 was also devoted to the reading of papers by the members, followed by a general discussion. The attendance was especially good, the various educational institutions of the state being well represented. The officers for the year 1929-30 are as follows: *President*, E. P. Rothrock, state geologist; *first vice-president*, J. H. Jensen, professor of chemistry, Northern State Normal; *second vice-president*, A. V. Lowery, professor of biology, Eastern State Normal, and *secretary-treasurer*, A. L. Haines, professor of chemistry at the State University.

THE Kansas Entomological Society, in conjunction with the Kansas Academy of Science, has held its fifth annual meeting. Eight entomological papers were presented, one being an illustrated talk on "Entomologists and Their Laboratories in Europe," by Dr. H. B. Hungerford, of Kansas University. The officers elected for the ensuing year are: Dr. H. B. Hungerford, department of entomology, University of Kansas, *president*; Mr. J. R. Horton, Bureau of Entomology, Wichita, Kansas, *vice-president*; Dr. R. L. Parker, Kansas State Agricultural College, *secretary-treasurer*. Dr. Parker was also elected a member of the executive council of the Kansas Academy of Science, representing the Kansas Entomological Society. The publication of the *Journal* of the Kansas Entomological Society is in its second volume, and is publishing entomological papers of the region between the Mississippi Valley and the Rocky Mountain region.

THE agricultural colleges of eight southwestern states are organizing to solve erosion problems and at a meeting at College Station, Texas, on June 20 and 21, will invite farmers, farm editors, railroad officials, bankers, representatives of fertilizer companies and millers to assist the extension and research workers of the states in planning an erosion-prevention program which will be coordinate with the national program approved by Congress.

SAMUEL S. FELS, the soap manufacturer, will give a planetarium to the Franklin Institute at Philadelphia.

THE commission provided for under the migratory bird conservation act passed by the last session of Congress includes three members of the President's Cabinet, who serve *ex officio*, and include the Secretary of Agriculture, who is chairman of the commission, the Secretary of Commerce and the Secretary of the Interior. In addition, two members of the Senate and two members of the House of Representatives are made members of the commission, to be named by the Vice-President and the Speaker of the House. The two Senators appointed are Peter Norbeck, South Dakota, who was the author of the Senate migratory bird refuge bill, and Senator Harry Hawes, of Missouri. The House members appointed are Congressman Ernest R. Ackerman, of New Jersey, and Congressman Sam McReynolds, of Tennessee, says a bulletin of the American Game Protective Association. The duty of this commission is to pass upon the purchase of lands selected by the Bureau of Biological Survey as suitable for migratory bird refuges. It is anticipated that two or more such refuges will be selected for each state, due consideration being given to the areas frequented by the birds for wintering and routes taken by them in their migratory flight.

The migratory bird act provides for the expenditure of an appropriation of more than \$7,000,000 to be expended over a period of ten years.

THE *Experiment Station Record* reports that the union of the Federal Experiment Station with the Hawaii University Station is provided in a joint agreement recently effected by the U. S. Department of Agriculture and the university. The combined station will be known as the Hawaii Experiment Station and will have as its director John M. Westgate, the present director of the federal station. The research staff will include all former members of the staff of that station and in addition a number of specialists from the university faculty.

UNIVERSITY AND EDUCATIONAL NOTES

By the will of the late Frank L. Hall, of Kansas City, De Pauw University will receive the residue of his estate said to be of the value of at least \$750,000.

GIFTS have been made for the proposed internal reconstruction of the medical buildings of the University of Edinburgh of £20,000 from the trustees of the late Sir William Dunn and £35,000 from the Rockefeller Foundation.

SIR THOMAS HENRY HOLLAND, rector of the Imperial College of Science and Technology, London, has been appointed principal of the University of Edinburgh in succession to Sir Alfred Ewing. Sir Thomas, who is a Canadian by birth and sixty-one years of age, was formerly professor of geology and mineralogy at Manchester. Sir Robert Falconer, president of the University of Toronto, had declined an offer of the principalship at Edinburgh.

DR. HAROLD R. PHALEN, professor of mathematics and instructor in physics at St. Stephen's College, Columbia University, has been appointed dean of the college.

DR. K. LARK-HOROVITZ has been promoted to be director of the physics research laboratory at Purdue University.

DR. HENRY M. WINANS, of Dallas, Texas, has been appointed professor and chairman of the department of medicine at Baylor University College of Medicine.

DR. DAVID S. PANKRATZ, who is completing his work for the doctorate of philosophy in the department of anatomy of the University of Kansas this spring, has been appointed assistant professor of anatomy in the college of medicine of the University of Tennessee at Memphis.

DR. FRITZ PANETH, professor of chemistry at the University of Berlin, has been called to Königsberg.