

division meetings. Symposia topics for the coming meeting include research, archeology, education and radiation.

Registration and all section meetings will be held in the educational rooms of the First M. E. Church, on the northwest corner of Second Avenue and Munroe Street. General sessions, in the afternoon and evenings, will be held in the High School Auditorium, East Van Buren Street. Announcements concerning luncheons, excursions and other special features will appear on the general program.

All members of the association are urged to prepare papers dealing with their original research in any line and submit titles of such papers to the proper section chairman. Those who are to present papers or are to deliver addresses at the Phoenix meeting are requested to prepare, as soon as possible, two copies of an abstract of the paper or address, not to exceed twenty-five lines in length. One copy of this abstract and a copy of the manuscript should be sent to the chairman of the section before which the paper is to be read. The other copy of the abstract should be sent to Dr. Elliott C. Prentiss, 515 Roberts Banner Bldg., El Paso, Texas. The time limit for reading papers is twenty minutes.

Phoenix is well equipped to take care of members or others in attendance from distant points. Hotel accommodations may be arranged for through Robert Q. Grant, U. S. Weather Bureau, Phoenix. Plans for excursions to points of interest and other entertainments will be announced in the general program. At least one all-day archeological excursion is planned. The Salt River Valley is rich in archeological material, and an opportunity will be afforded to see the most important features.

Section chairmen for the meeting are as follows:

Biology: Professor Charles T. Vorhies, University of Arizona.

Education: Dr. Frank C. Lockwood, University of Arizona.

Medical Science: Dr. Gerald B. Webb, 402 Burns Bldg., Colorado Springs.

Physical Science: Dr. O. C. Lester, University of Colorado.

Social Science: Professor E. B. Renaud, University of Denver.

SCIENTIFIC NOTES AND NEWS

THE Academy of Natural Sciences of Philadelphia announces that the 1926 Hayden Memorial Geological Award will be made to Dr. William Berryman Scott, professor of geology at Princeton University. The award will be made in recognition of Dr. Scott's "many researches and publications in the field of vertebrate paleontology." The committee on the Hayden Memorial Geological Award for 1926 consists of the following individuals: Dr. R. A. F. Penrose, Jr.,

chairman, Dr. Henry Fairfield Osborn, Dr. Henry A. Pilsbry, Dr. Charles D. Walcott and Dr. Edgar T. Wherry. The award, which consists of a gold medal, is made once in three years, and was founded as a recognition of preeminent work by "publication, exploration, discovery or research in the sciences of geology and paleontology."

PROFESSOR ROBERT A. MILLIKAN, director of the Norman Bridge Laboratory of Physics at the California Institute, will give a course of lectures at Cornell University next spring under the provisions of the Hiram J. Messenger Foundation.

DR. E. W. WASHBURN, editor of the "International Critical Tables," has been appointed chief of the chemical division of the U. S. Bureau of Standards.

PROFESSORS ANTON J. CARLSON and Arno B. Luckhardt, of the department of physiology at the University of Chicago, have been elected foreign members of the Deutsche Akademie der Naturforscher, Halle, Germany, founded in 1652.

PROFESSOR A. S. HITCHCOCK, custodian of grasses, U. S. National Herbarium, has been elected a corresponding member of the German Botanical Society.

ROBERT M. GREY, superintendent of the botanical gardens in Cuba of the Harvard Institute for Tropical Biology and Medicine, maintained under the Atkins Foundation, has been awarded the Meyer memorial medal by the American Genetic Association for his introduction of plants into Cuba and for the production of new varieties of sugar cane.

THE Society of American Bacteriologists has elected the following foreign bacteriologists to corresponding membership: Winogradsky (Russia-France), Beijerinck (Holland), Omeliansky (Russia), Neufeld (Germany), Kitasato (Japan). There are now eighteen corresponding members representing various foreign countries.

DR. OLOF JONASSON, of Stockholm, who has been studying in this country under the auspices of the American Scandinavian Foundation, was awarded an honorary Ph.D. in geography by Clark University on February 1, on the occasion of the founders day exercises of the university.

DR. WILLIAM W. KEEN, emeritus professor of the principles of surgery and clinical surgery, Jefferson Medical College, celebrated his eighty-ninth birthday on January 19.

THE well-known psychologist, Professor V. M. Bekhterev, of the USSR Academy of Sciences, is celebrating this year the 40th anniversary of his scientific career. The Council of People's Commissaries has granted 25,000 roubles for the equipment

of the Reflexological Brain Institute founded by Bekhterev; 5,000 roubles were assigned for the publication of a jubilee edition, besides a personal annuity to Professor Bekhterev.

DR. WILBUR A. NELSON, professor of geology at the University of Virginia, was reelected president of the American Association of State Geologists at the recent meeting in New Haven.

OFFICERS have been elected to the American Society of Biological Chemists for the year 1926 as follows: *President*, E. C. Kendall; *vice-president*, E. V. McCollum; *secretary*, F. C. Koch; *treasurer*, G. E. Cullen; additional members of the council: J. B. Collip, E. A. Doisy, A. P. Mathews.

DR. FREDERIC S. LEE, research professor of physiology in Columbia University, has been reelected president of the board of managers of the New York Botanical Garden for 1926. Other officers have been chosen as follows: *Vice-presidents*, Henry W. de Forest and F. K. Sturgis; *treasurer*, John L. Merrill; *secretary*, Nathaniel L. Britton.

C. C. CALDER, curator of the herbarium of the Royal Botanic Garden, Calcutta, has been appointed director of the Botanical Survey of India and superintendent of the Royal Botanic Garden, Calcutta, and of cinchona cultivation in Bengal.

GEORGE W. HERVEY, of Rutgers University, has been appointed as biometrician in the U. S. Bureau of Dairying to assist in the study of the underlying principles governing the heredity of milk and butterfat producing ability in dairy cattle.

C. G. DUNKLE, secretary of the Pittsburgh Section of the American Chemical Society, has been appointed to a research fellowship in mining and metallurgy at the Carnegie Institute of Technology to fill the vacancy caused by the death of Benjamin E. Hess, a graduate of California Institute of Technology, who was killed on December 19 in a train wreck.

ARTHUR D. LITTLE, Inc., of Cambridge, Mass., announce the addition to their staff of Dr. A. W. Francis, formerly a National Research fellow; Dr. Christian V. Holland, who has been engaged in natural gas work, and Thorne L. Wheeler, of Wheeler and Woodruff, New York.

HAROLD B. PIERCE is leaving Pennsylvania State College on a leave of absence granted for one year, to study with Dr. John R. Murlin, of the University of Rochester, under a Fleischmann fellowship.

DR. L. A. MAYNARD, professor of animal husbandry in Cornell University, has been given a leave of absence for the second term of the current academic year for study in the laboratory of physiological chemistry at Yale University.

DR. JOHN MEAD ADAMS, of the southern branch of the University of California, has been granted leave of absence for the second half of the current academic year, to carry on an investigation of the conditions governing the formation and growth of snowflakes.

HERBERT E. GREGORY, professor of geology in Yale University, left New Haven early in February. He will spend the remainder of the year in Honolulu as director of the Bernice P. Bishop Museum.

DR. ATHERTON SEIDELL, of the U. S. Public Health Service, has sailed for Paris where he will continue his research on vitamins at the Pasteur Institute. He expects to return to the United States next August.

DR. BRADLEY M. DAVIS, professor of botany at the University of Michigan, will spend the months of March, April and May in Jamaica, where he may be addressed care of the United Fruit Company, Kingston.

DR. A. S. PEARSE has been granted a year of leave from the University of Wisconsin, beginning February, 1926. Until July 1 he will be at the London School of Tropical Medicine. He will then go to Lagos, Nigeria, where he will be associated with the yellow fever unit of the International Health Board.

ERNEST F. BURCHARD, of the U. S. Geological Survey, has returned from a trip across South America from the Pacific to the Atlantic coast, having examined iron-ore deposits in Misiones Territory and in Catamarca Province for the Argentine government.

M. HENRI CORREVON, of the Jardin Alpin d'Acclimatation at Geneva, Switzerland, is making a lecture tour in the United States. On February 17, he will give an address at the Colony Club, New York City, under the auspices of the New York Horticultural Society.

DR. WOLFGANG KÖHLER, professor of psychology in the University of Berlin, who has been lecturing at Clark University during the past year, has left for Germany to resume his chair at Berlin.

HAVING completed his work on the Atlantic eel, Dr. Johs. Schmidt, director of the Carlsberg Laboratory, Copenhagen, is now taking up the study of the eels of the Indo-Pacific area. He recently left on an expedition to the Pacific to collect specimens and make observations and expects to be absent for about six months.

N. A. JOYCE, deputy keeper of the department of ethnology of the British Museum, will leave this month for British Honduras to study the Maya civilization in Central America.

PROFESSOR MAX BORN, of the University of Göttingen, has completed his lecture courses at the Massa-

chusetts Institute of Technology and is now visiting the California Institute of Technology. Later in the month he will give the Hitchcock lectures at the University of California. Before leaving for Germany on March 24, Professor Born will give lectures at Wisconsin, Columbia, Princeton and in Washington.

DR. JOHN J. ABEL, of the Johns Hopkins University, gave the sixth Pasteur lecture before the Institute of Medicine, Chicago, on January 22 on "Some Thoughts and Experiments in Relation to Hormones."

DR. WILLIAM F. BOOK, professor of psychology at the University of Indiana, was the principal speaker at Clark University on the occasion of the founders day exercises on February 1.

ON January 15, Dr. Aleš Hrdlička lectured before the trustees and guests of the Buffalo Society of Natural Sciences on "Early Man and Anthropological Problems of Far South East and South Africa." He also gave on the same date a talk on "Items of Anthropological Interest" before the Buffalo branch of the Phi Beta Kappa society.

PROFESSOR ROSS AIKEN GORTNER, of the University of Minnesota, lectured on "Colloid Chemistry and Biology" at the University of Saskatchewan on January 14, at the University of Alberta on January 16 and at the Agricultural College of the University of Manitoba on January 18.

H. E. HOWE, editor of *Industrial and Engineering Chemistry*, has recently returned from addressing a number of open forums in Florida on the subject of "Wasteful America."

DR. E. D. BALL addressed the recently organized Sigma Xi Club, of the University of Florida, at its first regular meeting on January 20. His subject was "The Training and Compensation of the Scientist."

ON January 16, Dr. Leslie C. Coleman, director of the Department of Agriculture, in Mysore, India, delivered an address to the Royal Canadian Institute on the subject "Rural Life in India and Its Improvement." Dr. Coleman is at present on leave of absence and engaged in research at the Botanical Laboratories of the University of Toronto.

PROFESSOR MONROE B. SNYDER, director emeritus of the Philadelphia Observatory, read a paper on "Universal Atomic Volcanism and the Millikan Cosmic Rays," before the American Philosophical Society, Philadelphia, on January 20.

THE Proctor Foundation lecture was delivered on January 16, at the Brooklyn Academy, by Dr. H. H. Sheldon, associate professor of physics at New York University, who spoke on "Atomic Structure and Transmutation."

DR. FRANCIS PEYTON ROUS, of the Rockefeller Institute for Medical Research, addressed the College of Physicians, Philadelphia, on January 6, on "The Phenomena of Biliary Obstruction," and Dr. Arthur D. Hirschfelder, of the University of Minnesota, on "The Laboratory Point of View in Clinical Medicine."

ON January 14, Professor W. H. Twenhofel, of the University of Wisconsin, gave a lecture before the University of Indiana chapter of Sigma Xi on the subject of "The History and Geology of Anticosti Island." On January 15 he addressed the faculty and students of the department of geology upon the subject of "The Problems of Sedimentation."

PROFESSOR W. D. HARKINS, of the University of Chicago, lectured on January 12, at the school of chemistry at the University of Minnesota, on "The Formation and Disintegration of Atoms."

IRA D. VAN GIESEN, electrical engineer, in charge of electrolysis mitigation for the department of water and power of the city of Los Angeles, gave an illustrated lecture on "Electrolysis," before the Los Angeles Section of the American Institute of Electrical Engineers, on January 5.

A STREET in Brussels near the university has been named after the late Professor A. Depage.

DR. RALPH W. TOWER, librarian of the American Museum of Natural History and formerly assistant professor of physiology at Brown University, died on January 26, aged fifty-six years.

DR. G. A. H. KELLNER, director of the scientific laboratory of the Bausch and Lomb Optical Co., Rochester, died on January 28, aged fifty-two years.

WILLIAM TUFTS BRIGHAM, emeritus director of the Bishop Museum of Ethnology at Honolulu, has died at the age of eighty-four years.

PROFESSOR WILLIAM WARREN BIRD, for many years head of the mechanical engineering department at the Worcester Polytechnic Institute, died on January 24.

DR. PATRICK E. QUINN, authority on animal diseases, connected with the United States Department of Agriculture for thirty years, died on January 18, aged fifty-three years.

DR. ARCHIBALD CUNNINGHAM HARRISON, professor of surgery at the University of Maryland School of Medicine and College of Physicians and Surgeons, died on January 17, aged fifty-two years.

DR. JOHN FLOCKER BIDDLE, professor of clinical pathology and surgery in the University of Pittsburgh, has died.

DR. O. L. POTHIER, of Loyola University, New Orleans, and formerly a member of the Rockefeller Com-

mission to Study Tropical Fevers in South America, died on January 23.

ANNIE PARKER HENCHMAN died at Cold Spring Harbor on January 13 in the seventy-fourth year of her age. She published papers on the development of the nervous system of *Limax* and on variation in the statoblasts of fresh water Bryozoa.

DR. CAMILLO GOLGI, emeritus professor of histology at the University of Pavia, who was awarded the Nobel prize in 1905 for his work on the nervous system, died on January 21, aged eighty-six years.

DR. RICHARD CATON, emeritus professor of physiology at the University of Liverpool, has died at the age of eighty-four years.

J. H. MAIDEN, F.R.S., until recently director of the Sydney Botanic Gardens, died on November 17, aged sixty-seven years.

PROFESSOR WILLIAM HENRY WARREN, Challis professor of engineering in Sydney University and president of the professorial board, has died, aged seventy-four years.

M. SIMON, professor of organic chemistry at the Museum of Natural History, Paris, has died.

DR. J. BARTEL, associate professor of pathology at Vienna, and for many years assistant to Professor Weichselbaum, has died, aged fifty-two years.

THE one hundred and thirty-eighth regular meeting of the American Physical Society will be held at Stanford University on March 6.

THE fourteenth annual meeting of the Eugenics Research Association will be held at the Eugenics Record Office on June 26, 1926. Members of the association who have studies to report are invited to communicate with the secretary of the program committee of the Eugenics Research Association, Cold Spring Harbor, Long Island, N. Y.

THE next annual Congress on Medical Education, Medical Licensure, Public Health and Hospitals will be held in the gold room of the Congress Hotel, Chicago, on February 15, 16, 17 and 18. On February 15 and 16, the Council on Medical Education and Hospitals of the American Medical Association will hold its twenty-first annual conference. On February 17, the Federation of State Medical Boards of the United States will hold its annual session. On February 18, the annual session of the American Conference on Hospital Service will be held.

THE American Electrochemical Society will hold its spring meeting at the Chicago Beach Hotel on April 22, 23 and 24, 1926. A feature of the program will be a symposium on chlorine under the direction of

D. A. Pritchard, of the Canadian Salt Co. Twelve or more of the leading producers and consumers, government experts and university men will discuss such phases as chlorine cells, transportation problems, chemical warfare, uses in the organic chemical industry, including petroleum, in metallurgy and in making chlorides. There will be two round table discussions, one on plating, and another on the relative merits of electric and gas-fired furnaces. The Friday evening meeting will be a joint session with this section, for which an effort is being made to secure a distinguished English authority on electrochemical cells as speaker. Fred'k M. Becket, of the Union Carbide and Carbon Co., is president and Professor C. G. Fink is secretary of the society.

At the meeting of the Society of the Sigma Xi at the University of Pennsylvania on January 20, two addresses were given containing the discussion of "Organic Evolution in the Light of recent Biological Research." Dr. A. F. Blakeslee, of the Carnegie Institution Laboratory of Experimental Research at Cold Spring Harbor, spoke on the "Origin and Nature of Mutations and their Probable Place in Evolution." Professor Rodney H. True, of the botanical department of the University of Pennsylvania, spoke on "Structural Differences considered as Results of Physiological Evolution."

ACCORDING to the *Journal* of the American Medical Association, the dean of Tulane University of Louisiana School of Medicine announced a special medical meeting to be held in the Hutchinson Memorial Building, January 15. Dr. William T. Councilman, emeritus Shattuck professor of pathologic anatomy at Harvard University, gave an address on "Medicine in China"; Dr. Aldo Castellani, recently appointed head of the department of tropical disease at Tulane, spoke on "Tropical Diseases."

A COURSE of lectures on experimental science and medical progress will be given under the auspices of the Peoples Institute at the Cooper Union, New York City, on Tuesday evenings at eight o'clock as follows: February 9, "From Test Tubes to Living Things," Dr. Hugh S. Taylor, Princeton University; February 16, "What we have learned of the Heredity and Development of the Organism," Dr. Charles R. Stockard, Cornell University Medical College; February 23, "What we have learned of the Nutrition of the Organism," Dr. Walter H. Eddy, Teachers College, Columbia University; March 2, "The Adjustments and Unity of the Organism," Dr. William A. White, St. Elizabeth's Hospital, Washington, D. C.; March 9, "Preventing Sickness and prolonging Life," Dr. C-E. A. Winslow, Yale University School of Medicine; March 16, "The Scientific Attitude and Public

Health," Dr. George E. Vincent, Rockefeller Foundation.

FREE lectures and demonstrations will be given during the month of February in the Central Display Greenhouse, New York Botanical Garden, on Saturdays at 3 P. M. as follows: February 6, "Notes on the Birds in the Botanical Garden," R. S. Williams; February 13, "Trees and Shrubs in Winter," Percy Wilson; February 20, "Methods of breeding Plants," Dr. A. B. Stout; February 27, "The Planting of Flower Seeds," George Friedhof.

ACCORDING to press dispatches, the Italian cabinet has approved a bill creating an Italian Academy, the objects of which will be the "coordination and direction of Italian intellectual movements in the field of science, letters and arts, the preservation in these activities of the national character according to the traditions of the race, and the encouragement of its expansion and influence abroad." The academy will receive an annual subsidy from the state, and grants and pensions will be assigned to authors, artists and scientific workers, inventions examined and schemes for intellectual advance instituted. Membership will be limited to sixty, the first thirty being nominated by royal decree, on the advice of the president of the council, and the remainder during the next ten years from a list of names preferred by the existing academicians. Academicians will have the privileges of high state officials and will wear a special uniform.

BEGINNING with the January issue, the *American Journal of Psychology* will be conducted by the following board of editors: Professor Margaret F. Washburn, Vassar College; Professor Karl M. Dallenbach, Cornell University; Professor Madison Bentley, University of Illinois, and Professor Edwin G. Boring, Harvard University. Manuscripts offered to the journal may be sent to any member of the board.

UNIVERSITY AND EDUCATIONAL NOTES

THE Tokyo Imperial University has completed plans for the new library donated by the Rockefeller Foundation, and construction work will start in the spring. The structure will be Gothic, three stories high and a basement, with thirty-three acres of floor space and five reading rooms, which will accommodate 2,000.

CONSTRUCTION of a new building for chemistry at the Michigan Agricultural Experiment Station will begin early in the spring, funds for which were granted by the 1924 state legislature.

DR. R. A. PEARSON, president of Iowa State College of Agricultural and Mechanical Arts, has submitted his resignation to take effect next September.

DR. ANDREW GROVER DUMEZ, pharmacologist in the U. S. Hygienic Laboratory, Washington, has been appointed dean of the College of Pharmacy in the University of Maryland.

DR. CHESTER K. WENTWORTH, of the University of Iowa, has been appointed acting associate professor of geology of the University of Virginia to take the place of Albert W. Giles, who recently resigned his position as professor of geology to become head of the department of geology of the University of Arkansas.

DR. LEIGH HOADLEY, Ph. D., '23 (Chicago), has been appointed assistant professor of biology at Brown University and will take up his duties next September. Dr. Hoadley is now studying in Europe.

DR. SEWALL WRIGHT, who for more than ten years has been in charge of animal genetics investigations of the U. S. Bureau of Animal Industry, has been appointed associate professor of zoology at the University of Chicago.

ASSOCIATE PROFESSOR J. W. CAMPBELL, of the University of Alberta, has been promoted to a full professorship of mathematics.

At the Harvard University School of Public Health, Dr. Joseph Bequaert has been promoted to assistant professor of entomology and Dr. Donald L. Augustine has been promoted to assistant professor of helminthology.

PROFESSOR M. LECHATELIER has resigned the chair of general chemistry at the Sorbonne, Paris, which he has held since 1907. He will be succeeded by M. Job, professor at the National Conservatory of Arts and Metiers.

DISCUSSION AND CORRESPONDENCE THE PRESENT CONTINUED DEVELOPMENT OF BASAL SHOOTS FROM BLIGHTED CHESTNUT TREES

WITHIN the blight-devastated portion of the range of the American chestnut the frequent appearance of healthy chestnut sprouts from the bases of trees apparently killed by the blight has led to a popular belief that the chestnut is "coming back."

Inoculations by the writer of the roots of some of these sprouts have resulted after one year's time in a very slight growth of the fungus; while the shoots, inoculated at the same time, and from the same pure culture of *Endothia parasitica*, have rapidly been girdled. A full account of this work will be published in a forthcoming number of *Phytopathology*.

Evidently the basal part of the trunk known as the root collar, where root and trunk unite, as well as the tissues of the roots themselves, are partially