

shrubs by nurserymen. Commenting on this, he says in part, "Primarily the desire was to make the grounds more presentable, but a secondary object, and one which has turned out to be quite as valuable as the first, was to plant trees, shrubs and flowers, so that all

lovers of plants and those who sell plants could come to the station to study varieties, to learn what species and varieties thrive best, and to give the plant pathologists and entomologists of the station an opportunity to study the insect pests and diseases of ornamentals."

SCIENTIFIC NOTES AND NEWS

THE gold medal of the American Institute, New York City, has been awarded to Dr. William Crocker, director of the Boyce Thompson Institute for Plant Research at Yonkers, N. Y., "in recognition of his contribution to knowledge of life processes in plants and for his unique leadership in the organization of plant research." This medal is given to organizations or individuals for distinguished contributions to the advancement of natural science "which have a broad incidence on human welfare."

DR. FRANK J. TONE, president of the Carborundum Company, Niagara Falls, N. Y., was presented with the William H. Perkin Medal for 1938 of the American Section of the Society of Chemical Industry at a joint meeting of the section with the New York Section of the American Chemical Society at the Chemists' Club on January 7. The medal was awarded for "valuable work in applied chemistry, including the development of abrasives and refractories." The presentation speech was made by Professor Marston T. Bogert, of Columbia University, past president of the American Chemical Society. Dr. Carl G. Schluederberg, vice-president of the Ford Instrument Company, Long Island City, spoke on "The Life and Accomplishments of the Medalist." Dr. James G. Vail, of Philadelphia, chairman of the American Section, presided at the meeting.

A CONGRESSIONAL MEDAL "for scientific accomplishment unequalled in polar exploration" will be presented to Dr. Thomas C. Poulter, director of the research foundation at Armour Institute of Technology, at a dinner given in his honor on January 19. Dr. Poulter was senior scientist and second in command to Rear Admiral Richard E. Byrd on the second Byrd Antarctic expedition, which left the United States in October, 1933, and returned in May, 1935. The medal will be presented by Governor Horner, and Rear Admiral Byrd will speak.

DR. H. C. SHERMAN, Mitchill professor of chemistry at Columbia University, was presented at a luncheon given by the Associated Grocery Manufacturers of America on December 28 with the 1937 award—a scroll given annually for "the most outstanding contribution to the industry." The presentation was made by Dr. John L. Rice, city health commissioner.

A BANQUET was given on January 2 in Dallas, Texas, in honor of the eightieth birthday of Thomas Ulvan Taylor, dean emeritus of the College of Engineering of the University of Texas.

THE library of the School of Medicine of Tulane University of Louisiana, New Orleans, was named in honor of Dr. Rudolph Matas, emeritus professor of general and clinical surgery at the university, at ceremonies that were held on November 29. Tribute was paid to his years of service to the university and to his constant interest in the development of the library. The occasion also marked his seventy-seventh birthday, which occurred on September 12. The Orleans Parish Medical Society devoted its bulletin on December 6 to Dr. Matas in recognition of the dedication of the library at the medical school and to mark the presentation for the second time of the Rudolph Matas Vascular Award, created by the Violet Hart Fund. Professor Reynaldo dos Santos, of Lisbon, received the medal.

AN award of \$1,000 and a medal has been presented to Professor Julius Wagner-Jauregg, of Vienna, by the Committee on Research in Syphilis, New York City. Professor Wagner-Jauregg, now eighty years old, is critically ill at his home in Vienna. The award was made in recognition of work on the malaria treatment of syphilis, for which he received the Nobel prize in 1927. The Committee on Research in Syphilis was organized in 1928 by a group of laymen, acting in cooperation with the American Social Hygiene Association, to subsidize and develop clinical and laboratory research.

Nature states that it is proposed to present Sir Arthur Keith with a bronze bust of himself in appreciation of his work in the fields of anatomy, embryology and anthropology. Sir Arthur wishes to hand over the bust to the keeping of the Royal College of Surgeons, should it be found possible to secure it. The sum of £150 is required to purchase the bust, and contributions are invited towards this amount. Sir Arthur Keith has been invited by the college to give a lecture on the ancient types of man which were discovered in Palestine some years ago. This lecture will be given on February 14, and it is proposed to present him with the bust on that occasion.

PROFESSOR GEORGE A. BAITSELL, of Yale University, was elected president of the Society of Sigma Xi at the Indianapolis meeting. Professor Harlow Shapley, of Harvard University, was elected a member of the executive committee. Professor George B. Pegram, of Columbia University, was elected treasurer.

DR. MARK H. INGRAHAM, professor of mathematics at the University of Wisconsin, has been elected president of the American Association of University Professors to succeed Dr. Anton J. Carlson, of the University of Chicago.

DR. EDWARD SAPIR, Sterling professor of anthropology and linguistics at Yale University, was elected, at the New Haven meeting, president of the American Anthropological Association. He succeeds Dr. Nels C. Nelson, of the American Museum of Natural History.

AT the Washington meeting of the Society of American Bacteriologists, Dr. Paul F. Clark, professor of bacteriology at the School of Medicine of the University of Wisconsin, was elected president. He succeeds Dr. James M. Sherman, of Cornell University. Dr. Arthur T. Henrici, professor of bacteriology at the University of Minnesota, was elected vice-president, and Dr. Ira L. Baldwin, agricultural bacteriologist at the University of Wisconsin, was elected secretary-treasurer. Councilors-at-large elected were: Dr. William C. Frazier, of the University of Wisconsin, and Dr. Rebecca C. Lancefield, of the Rockefeller Institute for Medical Research.

PROFESSOR E. A. MILNE has been elected president of the London Mathematical Society; Professor G. B. Jeffery, Miss M. L. Cartwright and J. Hodgkinson have been elected vice-presidents.

DR. ARTHUR O. LOVEJOY, for twenty-seven years professor of philosophy at the Johns Hopkins University, will retire from active teaching in June. Dr. Lovejoy is lecturing at Harvard University during the current academic year.

DR. MORRIS RAPHAEL COHEN, who recently retired, after serving for thirty-five years, from the professorship of mathematics and philosophy at the College of the City of New York, has accepted an appointment as professor of philosophy at the University of Chicago. He will give courses only in the spring quarter. This year he will conduct a seminar on logical theory, and in 1939 will be in charge of a seminar on social philosophy. He was a visiting professor at the university in the summer of 1923.

DR. RALPH L. FERGUSON, formerly of the department of pathology of the School of Medicine of the Ohio State University, has been appointed associate

professor of bacteriology at the School of Medicine of Loyola University, Chicago.

DR. DONALD C. BOUGHTON, of the Rockefeller Institute for Medical Research, has been appointed assistant professor of zoology and poultry husbandry at the University of Georgia.

DR. EUGENE C. AUCHTER, assistant chief of the Bureau of Plant Industry, has been made chief of the bureau, succeeding Frederick D. Richey, who resigned recently to engage in professional corn breeding. From 1912 to 1917 Dr. Auchter was a member of the West Virginia Experiment Station, and from 1918 to 1928 head of the department of horticulture at the University of Maryland. In 1928 he became head of the Division of Fruit and Vegetable Crops and Diseases of the Bureau of Plant Industry.

FREDERICK W. GARDINER has been appointed chief engineer for the receiver of the Interborough Rapid Transit Company. He will succeed Dr. George H. Pegram, who died on December 23, after serving as chief engineer of the Interborough since its organization.

DR. CHARLES RUSSELL, president of the State Teachers College in Westfield, Mass., has been appointed curator of the department of education of the American Museum of Natural History. He succeeds Dr. George H. Sherwood, who died last March.

DR. WALTER H. BUCHER, head of the department of geology and geography at the University of Cincinnati, has leave of absence during the present academic year. He spent the first half of the year in Europe, and plans to continue his research on land structure in Mexico during the second half.

DR. IOAN F. RADU, of the Institute of Agricultural Research of Rumania, is spending several weeks at the Citrus Experiment Station of the University of California at Riverside in conferences connected with the general subject of soil chemistry, and in regard to the field inspections sponsored by Dr. W. P. Kelley.

DR. J. OWEN PERRINE, of the American Telephone and Telegraph Company, will give, under the auspices of the Franklin Institute, on January 24 a lecture demonstration entitled "Waves, Words and Wires" in the Penn Athletic Club, Philadelphia.

DR. HAROLD G. MOULTON, president of the Brookings Institution, Washington, D. C., will address a general session of the American Institute of Electrical Engineers, which will hold its annual meeting in the Engineering Societies Building, New York City, from January 24 to 28.

DR. JOHN P. PETERS, professor of medicine at Yale University, will deliver the fourth Harvey Society lec-

ture of the current series at the New York Academy of Medicine on January 20. He will speak on "Transfers of Water and Solutes in the Body."

THE annual meeting of the Pacific Division of the American Association for the Advancement of Science will be held in San Diego from June 20 to 25, under the presidency of Dr. J. S. Plaskett, director emeritus of the Dominion Astrophysical Observatory, Victoria, B. C. The last time the division met in San Diego was in 1916. Joint sponsors of the convention are the San Diego Society of Natural History, Scripps Institution of Oceanography, La Jolla, San Diego Museum Association, Zoological Society of San Diego, San Diego State College and San Diego County Medical Society. The scientific sessions will be held in Balboa Park, and there will be exhibits, social features and excursions to points of interest. It is anticipated that there will be a registered attendance of between 700 and 800. The chairman of the local committee is Clinton G. Abbott, Natural History Museum, Balboa Park.

THE cornerstone of the new diagnostic clinic at the Boston Dispensary was laid on December 5. The clinic was dedicated on his sixty-fifth birthday to Dr. Joseph H. Pratt, professor of clinical medicine at the Tufts College Medical School. The building, which will be known as the Joseph H. Pratt Diagnostic Hospital, has been made possible by recent gifts from William Bingham, 2d, who is interested in providing a medical center at which the development of rural medicine may be planned and supervised.

A CELEBRATION marking the fiftieth anniversary of the founding of the Hoagland Laboratory of the Hospital of the Long Island College of Medicine, Brooklyn, N. Y., was held on December 17. An address was given by Dr. Oswald T. Avery, formerly a member of the department on bacteriology in the laboratory, who for the past twenty years has been associated with the Rockefeller Institute for Medical Research. The subject of Dr. Avery's address was "Bacteriology Fifty Years Ago and To-day." Dr. J. M. Van Cott, president of the board of trustees of the laboratory, introduced the speaker. In the evening a dinner was held at the Bossert Hotel. The toastmaster was Dr. Van

Cott, and the speakers were William Hill, secretary-treasurer of the board of trustees of the laboratory; Dr. Benjamin White, a former associate of Dr. Avery in the laboratory, and Dr. Wade Oliver.

THE Santa Barbara Museum of Natural History, California, according to *Museum News*, plans to start construction in the near future of an auditorium building situated in the oak grove to the west of the Indian Room. The new building will be about 90 feet long and 45 feet wide. The auditorium proper will be about 72 by 45 feet and will seat 450 persons. It will be equipped with stage and projection booth, and the walls will be decorated with blankets and other ethnological material. In the basement will be a carpenter shop and other service facilities for the museum. The architectural style will conform to the rest of the museum.

DR. RUFUS C. DAWES, on December 29 in his last official act as president of A Century of Progress Exposition in 1933-34, delivered certified checks for \$160,000 to seven organizations. These included one to the Smithsonian Institution for \$4,800 and one for a like amount to the Yerkes Observatory. Checks for \$40,000 each were given to the Chicago Park district and to the Museum of Science and Industry, and one for \$32,000 was given to the Chicago Art Institute. A check for \$16,000 was given to the Adler Planetarium fund.

THE fourth anniversary of the inauguration of public demonstrations in the Fels Planetarium of the Franklin Institute, Philadelphia, was reached on November 6. The total attendance during this period was 722,474, of which 199,712, mostly school children, were admitted free. The total attendance during the year ending November 5, 1937 was 148,655, while the paid attendance was 122,596, representing an increase of 27.5 per cent. over the previous year. During the fourth year 886 demonstrations were presented, an increase of 159 over the third year, and making a total of 3,841 public performances. Of these, 1,300 have been conducted by James Stokley, director of the Fels Planetarium; 1,476 by Wagner Schlesinger, assistant director; 524 by William L. Fisher; 235 by A. Clyde Schock; 230 by Wm. H. Barton, Jr.; 42 by I. M. Levitt; 18 by Dr. Roy K. Marshall, and 13 by Dr. John H. Pitman.

DISCUSSION

OUR NATIONAL MONUMENTS

THESE monuments are all of historic, scenic or physiographic meaning, taking that word in its fuller significance, present and past. Of those monuments of higher nation-wide, even international value, there are three of outstanding significance alike to the chem-

ist, the biologist and the geologist. These are the great petrified forests of Adamana and Holbrook in Arizona, set aside through the active interest of Lester F. Ward, the Dinosaur Monument of Utah, first proposed by W. J. Holland, and Fossil Cycad National Monument, as several times mentioned in *SCIENCE*.

Had there been an early active interest in the East,