

committee. Announcement was also made of the election of Alexander Smith and Sons Carpet Company, Yonkers, N. Y., to membership in the institute, with A. G. Asheroft, director of research, as its representative. It was also announced that the office of the secretary was being moved from New York to 8 South Michigan Avenue, Chicago, in order to be near that of the chairman, H. Earl Hoover, vice-president, The Hoover Company. Dr. Maurice Holland, director of the Division of Engineering and Industrial Research of the National Research Council, will continue to represent the institute at its New York office.

"UNLIMITED HORIZONS," A WEEKLY BROADCAST

"UNLIMITED HORIZONS," a new weekly broadcast series devoted to the physical sciences, will be heard over the Blue Network of the National Broadcasting Company beginning on Friday, November 1, at 11:30 P.M., Eastern Standard Time. The series will be presented in cooperation with the University of California, Stanford University and the California Institute of Technology.

The first program, "Science—Bane or Blessing?" will be a round-table discussion on science and its influence on society. Dr. Robert Gordon Sproul, Dr. Ray Lyman Wilbur and Dr. Robert A. Millikan, presidents of the three cooperating universities, will be the participants. The other broadcasts are:

November 8—"Heavenly Bodies"—Astronomy, featuring contribution to this science by the California Institute of Technology. Dr. J. A. Anderson, Dr. Edwin Hubble.

November 15—"The Klystron and Radio Beams"—The story of Stanford University Department of Physics' development of a new radio tube which has been a boon to the aviation industry. Professor David L. Webster, Professor William W. Hansen, Sigurd Varian and Russell H. Varian, research associates.

November 22—"Unearthing the Past"—Story of paleontology by the University of California. Description of prehistoric life. Short-wave pick-up from diggings in the slopes of Mount Diablo. Dr. Charles L. Camp and Professor Ralph W. Chaney.

November 29—"How to Cultivate Plants and Influence Growth." Department of Plant Nutrition at California Institute of Technology discusses Vitamin B—its discovery, development and present-day use. Dr. F. W. Went and Dr. James Bonner.

December 6—"Faults of the Earth"—Stanford's Department of Mechanical Engineering tells of earthquake research. Professor Lydik S. Jacobsen.

December 13—"The Science of Sound"—The Department of Physics of the University of California presents a discussion of the scientist's findings in the strange realm of sound. Dr. Vern O. Knudsen.

December 20—"Wings on Man"—Department of

Aeronautics of Stanford and California Institute of Technology—meteorological development in relation to aviation. Professors Alfred S. Niles and Elliott G. Reid, of Stanford, and Dr. von Kármán, Professor Clark Millikan and Dr. Irving Krick, California Institute of Technology.

December 27—"Salmon Savers"—Stanford School of Biology tells of early work in conservation of salmon on Pacific Coast, and recent developments in the modern salmon pack. Professors Paul J. Beard and Willis H. Rich.

January 3—"Building by Breaking"—A description of the giant universal testing machine, which exerts a tension of three million pounds and compression of four million pounds, from College of Engineering, University of California. Dr. Raymond E. Davis.

January 10—"Cosmic Rays—What Next?"—Department of Physics, California Institute of Technology, discusses Dr. Robert A. Millikan's work on cosmic rays and the results of his recent trip to India in the study of this phenomenon. Dr. Robert A. Millikan.

January 17—"Millions to Burn"—From Ryan Laboratory of Stanford University Department of Electrical Engineering. A discussion of modern experiments in transmitting high voltage over long distances. Professors Fred E. Terman, Joseph S. Carroll and William G. Hoover.

January 24—"The Cyclotron and the Atom"—The world's greatest atom-smasher. From the Radiation Laboratory of the University of California, a description is given of the giant 225-ton cyclotron, now in full research program. Interviews with Dr. E. O. Lawrence, inventor; Dr. Donald Cooksey and staff associates.

ELECTION OF OFFICERS OF THE AMERICAN CHEMICAL SOCIETY

THE election of seventy-two chemists to administrative and editorial posts in the American Chemical Society has been announced by Dr. Charles L. Parsons, secretary of the society. Officers were chosen by seventeen of the professional divisions, as well as by the local section officers' group and the divisional officers' group. Editors and associate editors of five scientific publications were named, and a member of the Council Policy Committee was reelected.

Changes have been made in the names of two divisions. The Division of Microchemistry becomes the Division of Analytical and Micro Chemistry, and the Division of Paint and Varnish Chemistry will henceforth be known as the Division of Paint, Varnish and Plastics Chemistry.

The society, which now has approximately 25,300 members, has undertaken, as already reported in *SCIENCE*, a census of all chemists and their experience in the interest of national defense. Nearly 3,000 new members have been elected to the society during 1940.

Establishment of a new local section with headquarters in Cumberland, Md., and territory comprising Allegany, Garrett and Washington Counties in Mary-

land, to be known as the Western Maryland Section, has been authorized. Ninety-two other local sections are located throughout the country. The next semi-annual meeting will be held next April in St. Louis, Mo.

The new divisional officers are:

Division of Agricultural and Food Chemistry: *Chairman*, Gerald A. Fitzgerald, of the General Foods Corporation, New York City; *Vice-chairman*, Ellery H. Harvey, of Highland Park, Ill.; *Secretary-treasurer*, Professor Carl R. Fellers, of Massachusetts State Agricultural College.

Division of Analytical and Micro Chemistry: *Chairman*, Dr. G. E. F. Lundell, of the U. S. Bureau of Standards; *Vice-chairman*, George L. Royer, of the American Cyanamid Company, Bound Brook, N. J.; *Secretary-treasurer*, the Reverend Francis W. Power, of Fordham University.

Division of Biological Chemistry: *Chairman*, Dr. Herbert O. Calvery, of the U. S. Department of Agriculture; *Secretary*, Professor Erwin Brand, of the Columbia University School of Medicine.

Division of Cellulose Chemistry: *Chairman*, Dr. William O. Kenyon, of the Eastman Kodak Company, Rochester, N. Y.; *Vice-chairman*, Dr. Elwin E. Harris, of the Forest Products Laboratory, Madison, Wis.; *Secretary-treasurer*, Dr. Charles R. Fordyce, of the Eastman Kodak Company.

Division of Chemical Education: *Chairman*, Professor Rufus D. Reed, of New Jersey State Teachers College, Montclair; *Vice-chairman*, Nicholas D. Cheronis, of the Chicago City College, Chicago; *Secretary*, Professor Paul H. Fall, of Hiram College, Ohio; *Treasurer*, Professor Virginia Bartow, of the University of Illinois.

Division of Colloid Chemistry: *Chairman*, Professor Arthur M. Buswell, of the University of Illinois; *Vice-chairman*, Frederick Olsen, of the Western Cartridge Company, East Alton, Ill.; *Secretary-treasurer*, Dr. W. O. Milligan, of the Rice Institute, Houston, Texas.

Division of Fertilizer Chemistry: *Chairman*, Dr. H. B. Siems, of Swift and Company, Chicago; *Secretary*, Charles A. Butt, of the International Agricultural Corporation, East Point, Ga.

Division of the History of Chemistry: *Chairman*, James F. Couch, of the U. S. Bureau of Agricultural Chemistry and Engineering, Philadelphia; *Secretary-treasurer*, Professor Ralph E. Oesper, of the University of Cincinnati.

Division of Industrial and Engineering Chemistry: *Chairman*, Professor Barnett F. Dodge, of Yale University; *Vice-chairman*, Walter A. Schmidt, president of the Western Precipitation Company, Los Angeles; *Secretary*, Whitney Weinrich, of the Gulf Research and Development Company, Pittsburgh.

Division of Medicinal Chemistry: *Chairman*, Dr. Russell J. Fosbinder, vice-president of the Maltbie Chemical Company, Newark, N. J.; *Vice-chairman*, Professor John H. Gardner, of Washington University, St. Louis; *Secretary-treasurer*, Dr. John H. Speer, of G. D. Searle and Company, Chicago.

Division of Organic Chemistry: *Chairman*, Professor

Nathan L. Drake, of the University of Maryland; *Secretary-treasurer*, Professor Arthur C. Cope, of Bryn Mawr College.

Division of Paint, Varnish and Plastics Chemistry: *Chairman*, G. G. Sward, of the National Paint, Varnish and Lacquer Association, Washington, D. C.; *Chairman-elect*, Shailer L. Bass, of the Dow Chemical Company, Midland, Mich.; *Secretary-treasurer*, Adolf C. Elm, of the New Jersey Zinc Company, Palmerton, Pa.

Division of Petroleum Chemistry: *Chairman*, J. K. Roberts, of the Standard Oil Company of Indiana, Chicago; *Vice-chairman*, Professor M. R. Fenske, of Pennsylvania State College; *Secretary-treasurer*, Dr. Cary R. Wagner, of the Pure Oil Company, Chicago.

Division of Physical and Inorganic Chemistry: *Chairman*, Professor John G. Kirkwood, of Cornell University; *Chairman-elect*, Professor W. Conard Fernelius, of the Ohio State University; *Secretary-treasurer*, Dr. Ralph E. Gibson, of the Geophysical Laboratory, Washington, D. C.

Division of Rubber Chemistry: *Chairman*, Roscoe H. Gerke, of the United States Rubber Company, Passaic, N. J.; *Vice-chairman*, John N. Street, of the Firestone Tire and Rubber Company, Akron, Ohio; *Secretary*, Professor Howard I. Cramer, of the University of Akron; *Treasurer*, C. W. Christensen, of the Rubber Service Laboratories Company, Akron.

Division of Sugar Chemistry and Technology: *Chairman*, R. Max Goepp, Jr., of the Atlas Powder Company, Wilmington, Del.; *Vice-chairman*, Sidney M. Cantor, of the Corn Products Refining Company, Argo, Ill.; *Secretary-treasurer*, B. Whitman Rice, of the National Sugar Refining Company, New York City.

Division of Water, Sewage and Sanitation Chemistry: *Chairman*, Professor Charles R. Hoover, of Wesleyan University; *Vice-chairman*, Louis F. Warrick, of the Wisconsin State Board of Health; *Secretary-treasurer*, Professor Frederick G. Straub, of the University of Illinois.

The Division Group Officers have reelected Professor Cliff S. Hamilton of the University of Nebraska as chairman, and Professor Buswell as secretary.

Dr. Jacque C. Morrell, associate director of the Universal Oil Products Company, Chicago, has been chosen chairman of the Local Section Group Officers; Dr. F. O. Rice, of the Catholic University of America, is chairman-elect, and Auburn A. Ross of Eli Lilly and Company, Indianapolis, Ind., secretary.

Two associate editors of the *Journal of the American Chemical Society* were elected for five-year terms as follows: Professor Werner E. Bachmann, of the University of Michigan; Professor Henry Gilman, of the Iowa State College. Associate editors of the *Journal of Physical Chemistry* for a term of two years are Professors W. H. Rodebush, of the University of Illinois, and I. M. Kolthoff, of the University of Minnesota.

Professors L. O. Brockway, of the University of Michigan, and C. G. King, of the University of Pitts-

burgh, will be associate editors of *Chemical Reviews* for a term of three years. Dr. William A. Noyes, of the University of Illinois, was reelected editor of the scientific monographs for three years. The following associate editors were named: Dr. William Mansfield Clark, of the Johns Hopkins University; Dr. Louis F. Fieser, of Harvard University; Dr. Samuel C. Lind, of the University of Minnesota, president of the society; Dr. Linus Pauling, of the California Institute of Technology.

Dr. Harrison E. Howe, of Washington, D. C., continues as editor of "Technological Monographs" for

three years. Associate editors will include Dr. C. H. Mathewson, of Yale University; Dr. W. G. Whitman, of the Massachusetts Institute of Technology, and Dr. F. W. Willard, of the Nassau Smelting and Refining Company, New York City.

Dr. Lundell and Professor H. H. Willard, of the University of Michigan, will serve on the advisory board of the analytical edition of "Industrial and Engineering Chemistry."

Dr. Gustavus J. Esselen, of Boston, was reelected to the Council Policy Committee for three years beginning on January 1, 1940.

SCIENTIFIC NOTES AND NEWS

DR. E. B. FORBES, director of the Institute of Animal Nutrition at the Pennsylvania State College, has been elected a foreign member of the Royal Swedish Academy of Agriculture.

DR. EDWARD W. BERRY, professor of paleontology and provost of the Johns Hopkins University, has been elected a corresponding member of the Academia Nacional de Ciencias, Cordoba, Argentina.

THE Sir Henry S. Wellcome Gold Medal for 1940 and a cash prize of \$500 were presented to Captain Lucius W. Johnson, medical corps, U. S. Navy, by the Association of Military Surgeons at the annual meeting held at Cleveland on October 10, 11 and 12. The award was offered for essays on "Medical and Sanitary Care of the Civilian Population Necessitated by Attacks from Hostile Aircraft." Captain Johnson's paper will be published in *The Military Surgeon*.

THE Paris Academy of Sciences has awarded the Montyon Prize to Dr. Constantin Levaditi, of the Institut Pasteur.

AN international prize on the subject of encephalitis has been awarded by the University of Berne to Dr. Beppino Disertori, the Italian neurologist.

THE American Society for the Control of Cancer and its Women's Field Army have cited the following American women "for their significant contributions to cancer control": Dr. Maynie R. Curtis and Dr. Wilhelmina F. Dunning, of the Crocker Laboratory for Cancer Research, Columbia University; Dr. Elsie L'Esperance, founder of the Strang Clinic of the New York Infirmary for Women and Children; Elizabeth Fekete, Jackson Memorial Laboratory, Bar Harbor; Dr. Clara J. Lynch, Rockefeller Institute for Medical Research; Dr. Catherine Marfarlane, of the Women's Medical College of Philadelphia; Mrs. Robert G. Mead, New York City Cancer Committee; Dr. Anna Palmer, founder of the Cured-of-Cancer

Club; Dr. Edith Quimby, Memorial Hospital, New York City; Dr. Mildred W. S. Schram, International Cancer Research Foundation, Philadelphia, and Dr. Maude Slye, of the University of Chicago.

AT the recent meeting in Cleveland of the American Congress of Physical Therapy, annual awards of merit were presented to Dr. Abraham R. Hollender, of Miami Beach, Fla.; Dr. George W. Crile, emeritus professor of clinical surgery of the Medical School of Western Reserve University; Dr. Disraeli W. Kobak, of Chicago; Dr. Malcolm T. MacEachern, of DePaul University; Dr. William F. Petersen, professor of pathology at the University of Illinois; Dr. Horatio B. Williams, Dalton professor of physiology and director of the department at Columbia University, and Dr. Charles F. Kettering, Dayton, Ohio, general manager of the research laboratories of the General Motors Corporation and founder of the Kettering Department of Medical Research at the Miami Valley Hospital, Dayton.

GUY EMERSON, of New York City, has been elected president of the National Audubon Society (formerly the National Association of Audubon Societies). Dr. Robert Cushman Murphy, who had been president for three preceding terms and a director for twenty years, was elected honorary president.

PROFESSOR ARTHUR W. HIXSON, professor of chemical engineering at Columbia University in charge of courses in process development and plant design, has been appointed head of the department of chemical engineering.

DR. F. F. LININGER, head of the department of agricultural economics of the Pennsylvania State College and Agricultural Experiment Station, was recently appointed vice-dean of the School of Agriculture and vice-director of the station. Dr. M. A. Farrell, associate professor of bacteriology, has been named professor of bacteriology and head of the new department of bacteriology.