

committee on the education, selection and training of research personnel, presented the results of an inter-laboratory study of scientific aptitude and vocabulary tests for research personnel. A business meeting of the institute concluded the formal program.

NOMINATIONS OF OFFICERS OF THE AMERICAN INSTITUTE OF ELEC- TRICAL ENGINEERS

THE National Nominating Committee of the American Institute of Electrical Engineers, consisting of members from various parts of the country, has nominated the following official ticket of candidates for the offices becoming vacant on August 1:

For President: Nevin E. Funk, vice-president in charge of engineering, Philadelphia Electric Co.

For Vice-presidents:

Middle Eastern District, W. E. Wickenden, president, Case School of Applied Science, Cleveland, Ohio.

Southern District, C. W. Ricker, professor and head of the School of Electrical Engineering, Tulane University, New Orleans, La.

North Central District, L. A. Bingham, assistant professor of electrical engineering, University of Nebraska.

Pacific District, J. M. Gaylord, chief electrical engineer, Metropolitan Water District of Southern California, Los Angeles.

Canada District, W. J. Gilson, general manager, Eastern Power Devices, Ltd., Toronto.

For Directors: C. M. Laffoon, engineering manager, A. C. Generator Eng. Dept., Westinghouse Electric and Mfg. Co., East Pittsburgh.

C. W. Mier, engineer, Southwestern Bell Telephone Co., Dallas, Texas.

S. H. Mortensen, chief electrical engineer, Allis-Chalmers Mfg. Co., Milwaukee, Wis.

For National Treasurer: W. I. Slichter, professor emeritus of electrical engineering, Columbia University.

These official candidates, together with any independent nominees that may be proposed later in the manner specified by the constitution and by-laws, will be voted upon by the membership at the coming election this spring.

H. H. HENLINE,
National Secretary

AWARD OF THE WILLARD GIBBS MEDAL

To Dr. Conrad Arnold Elvehjem, professor of biochemistry, University of Wisconsin, the Chicago sec-

tion of the American Chemical Society has awarded the thirty-second Willard Gibbs Medal, founded by William A. Converse. This is the highest award that the section can bestow. It is given each year in special recognition of "eminent work in and original contributions to pure or applied chemistry." The medal is awarded to Dr. Elvehjem,

For his studies involving trace elements in nutrition, begun in 1928, in collaboration with Hart, Steenbock and Waddell, with the discovery that copper is essential to the formation of hemoglobin and for subsequent extensive studies of the metabolism of iron, copper, manganese, zinc, cobalt, selenium, boron and aluminum and their function in nutrition.

For studies in tissue respiration, begun at Cambridge and since 1929 applied to the study of vitamin function, which have shown the relation of thiamine to co-carboxylase, riboflavin, *d*-amino acid oxidase and xanthine oxidase, and of nicotinic acid to coxymase.

For studies involving the B vitamins, begun with the use of the chick as test animal and the use of liver extract as vitamin source, which resulted in his greatest achievement—the discovery of nicotinic acid as a cure for black tongue in dogs.

For continuing pioneer work; in discovering the place of nicotinic acid in the fight to combat black tongue, pellagra and other deficiency diseases occurring particularly in the southern part of the United States; in demonstrating that chick dermatitis is due to pantothenic acid deficiency; in the discovery of a very labile factor in green, succulent material through studies with mineralized milk diets, which lead to further studies on synthetic diets for test animals; and for studies on the newer members of the vitamin B complex, now in progress.

Dr. Elvehjem was born in McFarland, Wis., on May 27, 1901. He was graduated from the University of Wisconsin in 1923 and received his Ph.D. degree from the same institution in 1927.

He has been associated with his Alma Mater, without interruption, since 1925, when he became an instructor in biochemistry. He became assistant professor in 1930, after having spent a year abroad studying at the University of Cambridge, England. He was appointed associate professor in 1932 and professor in 1936.

The formal presentation of the medal will be made at the meeting of the Chicago section on May 20.

SCIENTIFIC NOTES AND NEWS

DR. DONALD D. VAN SLYKE, a member of the Rockefeller Institute for Medical Research, Department of the Hospital, New York City, has been elected an honorary member of the Kungl. Vetenskaps-Societeten (Royal Society of Sciences) of Upsala, Sweden.

At the commencement exercises of the Marquette University School of Medicine on February 13, the degree of doctor of science was conferred on Rear Admiral Ross T. McIntire, Surgeon General of the United States Navy.

DR. LESLIE T. WEBSTER, a member of the Rocke-

feller Institute for Medical Research, received the Dog Writers Association fifth annual award for meritorious work on the diseases of dogs over a long period of time. The plaque was presented to Dr. Webster at a meeting of the association on February 10.

THE Pittsburgh Award, given annually for "outstanding work in chemistry" by the Pittsburgh Section of the American Chemical Society, will be presented on February 18 to Dr. Charles Glen King, scientific director of the Nutrition Foundation, on leave of absence from the University of Pittsburgh, at a dinner at the University Club given in his honor. Dr. King made an address on recent developments in nutrition. Dr. George D. Beal, assistant director of the Mellon Institute, presided. The speakers were Rufus H. Fitzgerald, vice-chancellor of the University of Pittsburgh; Dr. Alexander Silverman, head of the department of chemistry; Charles F. Lewis, director of the Buhl Foundation, and H. J. Heinz, II. Former recipients of the medal are E. Hall, Charles E. Nesbit, Andrew W. and Richard B. Mellon, Francis C. Frary, George H. Clapp, Edward R. Weidlein, Alexander Silverman and Webster N. Jones.

At the one hundred and fifty-eighth meeting of the American Institute of Mining and Metallurgical Engineers, John Robert Suman, in charge of production for the Humble Oil and Refining Company, Houston, Texas, a past president of the institute, was presented with the Anthony F. Lucas Gold Medal "for distinguished achievement in improving the technique and practice of producing petroleum." Paul D. Merica, vice-president of the International Nickel Company, and Essington Lewis, of Melbourne, director general of Munitions and Aircraft Production for the Commonwealth of Australia, were presented with certificates of honorary membership. Dr. Vladimir K. Zworykin, associate director of the Laboratories of the Radio Corporation of America, delivered the annual Institute of Metals lecture. He spoke on "Applications of the Electron Microscope in Metallurgy." At the annual banquet William Jeffers, rubber director, made an address on "Transportation."

WALLACE P. COHOE, consulting chemist, New York, N. Y., has been nominated for the presidency of the Society of Chemical Industry.

DR. J. BURNS AMBERSON, JR., of the New York University College of Medicine, was reelected president of the New York Tuberculosis and Health Association at the annual meeting held in New York on February 9. He was also appointed representative director of the National Tuberculosis Association.

DR. FREDERICK B. NOYES has been elected president of the Institute of Medicine of Chicago. He is one

of the few dentists who are members of the institute and the first of his profession to become its presiding officer.

DR. IVOR GRIFFITH, president of the Philadelphia College of Pharmacy and Science, has been elected president of the American Pharmaceutical Association.

DR. HOWARD H. CUMMINGS, of Ann Arbor, has been appointed chairman of the department of postgraduate medicine and professor of postgraduate medical education at the University of Michigan. Dr. Cummings is president of the Michigan State Medical Society.

DR. RAYMOND L. GREGORY, professor of pharmacology at the medical branch at Galveston of the University of Texas, has been appointed professor of medicine and director of the outpatient clinic and continuation courses.

DR. WILLIS A. GORTNER, formerly of General Mills, Inc., has been appointed assistant professor of biochemistry in the School of Nutrition of Cornell University. He will be engaged in teaching and research in the field of food processing.

DR. GEORGE E. HOLM, biochemist in the U. S. Bureau of Dairy Industry since 1920, has been appointed chief of the Division of Dairy Research Laboratories to succeed Dr. Lore A. Rogers, who retired in August, having completed more than forty years in dairy research work in the U. S. Department of Agriculture.

DR. RAYMOND HUSSEY, associate professor of medicine in the Johns Hopkins University School of Medicine, a member of the Council on Industrial Health of the American Medical Association, has been appointed scientific director of the new Army Industrial Hygiene Laboratory at the School of Hygiene and Public Health of the Johns Hopkins University. The laboratory will be conducted under the direction of the occupational hygiene branch of the Division of Preventive Medicine of the Office of the Surgeon General of the Army. It will maintain safe standards of occupational hygiene in Army-owned arsenals, industrial plants and depots. It will also train men to inspect these places for poor lighting, toxics in the air, etc.

SIR JOHN LEDINGHAM, F.R.S., will retire on March 31 from the post of director of the Lister Institute of Preventive Medicine, which he has held since 1930. His successor will be Dr. A. N. Drury, F.R.S., Huddersfield lecturer in special pathology of the University of Cambridge, a member of the scientific staff of the Medical Research Council.

ROBERT L. TAYLOR, since 1938 divisional advertising

manager of the Organic Chemicals and Merrimac Divisions of the Monsanto Chemical Co., St. Louis, Mo., has been appointed editor of *Chemical Industries*, to succeed Walter J. Murphy, who recently became editor of *Industrial and Engineering Chemistry*.

JOHN M. DAVIES has been made director of physical research of the B. F. Goodrich Company. He will supervise the study of rubbers, elastics, plastics and other materials.

RICHARD P. BROWN, chairman of the board of the Brown Instrument Company of Philadelphia and vice-president of the Minneapolis-Honeywell Regulator Company, has been elected a member of the board of trustees of the Drexel Institute of Technology, Philadelphia, of which he is an alumnus. Mr. Brown is a member of the American Society of Mechanical Engineers and the American Institute of Electrical Engineers, and for the past year has been regional consultant for the Defense Plant Corporation in the region surrounding Philadelphia.

DR. JOHN T. CURTIS, assistant professor of botany at the University of Wisconsin, has leave of absence for the duration of the war. He is studying and carrying on research work for the Government on latex-producing plants and their use in producing synthetic rubber. Dr. Hugh E. McKinstry, professor of geology, now with the War Production Board, has been given a furlough and leave of absence for the second semester.

PHILIP D. REED, chairman of the board of the General Electric Company, has resigned and will return to London to continue his work as deputy chief of the Harriman Mission.

PROFESSOR CAREY CRONEIS, of the department of geology of the University of Chicago, gave on February 6 an address entitled "The Ancient Background for Modern Warfare" before the Purdue University chapter of Sigma Xi.

DR. HARVEY L. CURTIS, chief of the Inductance and Capacitance Section of the Electrical Division, National Bureau of Standards, delivered on February 18 the address of the retiring president of the Washington Academy of Sciences. It was entitled "A Scientific Recreation—the Accuracy and Extent of Measurement."

DR. ALBERT F. BLAKESLEE, Neilson research professor at Smith College and director of the Smith College Genetics Experiment Station, spoke before the Sphinx Club of Brown University on January 14 on "Science in Every-day Life," and on January 18 he gave a lecture on "Polyploidy and Evolution" before the colloquium on speciation of the department of botany of the University of Pennsylvania.

The Lancet announces that this year's lectures of the Royal College of Physicians of London include: February 9 and 11, Professor M. Greenwood, F.R.S., "Medical Statisticians from Petty to Farr" (Fitz-Patrick lectures); February 23 and 25, Dr. S. A. Henry, "The Health of the Factory Worker in War-time" (Milroy lectures); March 4, 9 and 11, Professor R. V. Christie, "Emphysema" (Goulstonian lectures); March 16 and 18, Dr. Geoffrey Evans, "Arteriosclerotic Disease" (Lumleian lectures); March 23 and 25, Professor G. W. Pickering, "The Circulation in Arterial Hypertension" (Oliver-Sharpey lectures); May 25 and 27, Air-Commodore C. P. Symonds, "Flying Stress" (Croonian lectures); November 4, Dr. J. W. Brown, "The Interauricular Septal Defect" (Bradshaw lecture); November 16, Professor L. G. Parsons, "The Prevention of Neonatal Disease and Neonatal Death" (Charles West lecture).

THE statement on the incomes of chemists published in the issue of *SCIENCE* for January 15 was based on a survey of the committee on economic status of the American Chemical Society. This report was prepared by Andrew Fraser, Jr., who organized and administered the survey.

THE National Foundation Against Infantile Paralysis in the United States has offered, at the suggestion of President Roosevelt, to send experts to Argentina to assist in combating a current epidemic of the disease.

THE University of Buffalo has received a gift of securities with a present market value of \$348,248 as a result of a trust agreement made by Jacob F. Schoellkopf, who died on September 8. The gift establishes the Jacob F. Schoellkopf trust, which the university may use for its "best interests." Mr. Schoellkopf gave the university \$50,000 in 1920 and \$50,000 in 1926, and in 1929 he and twenty-one other members of his family gave the university stocks which had a market value of \$1,000,000.

THE W. K. Kellogg Foundation has provided funds for twenty fellowships in health education, each carrying a stipend of \$100 monthly for 12 months plus tuition and leading to a master's degree in public health at the University of North Carolina, to be administered by the U. S. Public Health Service in Washington. Applications should be sent to the Surgeon General, U. S. Public Health Service, Washington, D. C., by March 1.

THE Wm. S. Merrell Company, pharmaceutical manufacturers of Cincinnati, has completed the construction of a new addition to its scientific laboratories in order to make additional space available for chemical and biological research.