

reelected president; R. E. Zimmerman, vice-president, United States Steel Corporation, reelected vice-president; R. P. Anderson, secretary of the division of refining of the American Petroleum Institute, elected chairman of the Standards Council; H. S. Osborne, engineer in charge of operating results of the American Telephone and Telegraph Company, elected vice-chairman of the Standards Council.

CONVENTION OF THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

THE winter convention of the American Institute of Electrical Engineers will be held in the Engineering Societies Building, New York City, from January 22 to 26.

The technical sessions will include papers on the following subjects: Electric Welding, Basic Sciences and Automatic Stations, Lightning Protection, Use of Radio for Airplane Navigation and Weather Forecasting, Circuit Breakers, Industrial Power Applications, Relays, Power Generation, Transportation, Electronics, Production and Application of Light, Power Transmission, Instruments and Measurements, Electrical Machinery, Insulation Co-ordination. There will be conferences on Electric Welding, Feedback Amplifiers, Networks, Sound, Test Code for Synchronous Machines, Transportation, the Use of Electronic Devices, Standards, Definitions.

On Wednesday evening, January 24, both the Edison and Hoover Medals will be presented in the Engineering Auditorium. The Edison Medal was awarded to Philip Torchio "for distinguished contributions to the art of central station engineering and for achievement in the production, distribution, and utilization of electrical energy." The Hoover Medal "awarded by engineers to a fellow engineer for distinguished public service" will be presented to Gano Dunn.

After the presentations a popular lecture on "Atomic Disintegration" will be delivered by Dr. Enrico Fermi, of Columbia University. His lecture will be followed by demonstrations of atomic disintegration by Dr. John R. Dunning. Dr. Fermi has been working with Dr. Dunning and the research group in physics at Columbia University, using the cyclotron in experiments on the physics of atomic nuclei.

Preceding the technical sessions on relays and communication on Tuesday afternoon a general session will be held for the presentation of the Alfred Noble Prize to Claude E. Shannon, of the Massachusetts Institute of Technology. He was awarded the prize for his paper entitled "A Symbolic Analysis of Relay and Switching Circuits."

Inspection trips of general interest will be available to members and guests attending the convention. The

dinner honoring the "Outstanding Young Electrical Engineers" for 1939 will be held on Monday evening, January 22, at the Town Hall Club, New York. Larned A. Meacham, of the Bell Telephone Laboratories, Inc., New York, is the winner of the 1939 Eta Kappa Nu Award. Carl K. Gieringer, of the Liebel-Flarsheim Company, Cincinnati, Ohio, and Jesse E. Hobson, of the Westinghouse Electric and Manufacturing Company, E. Pittsburgh, Pa., will receive the Honorable Mention Award.

Following the convention there will be a post-convention cruise. The party will sail from New York at noon on January 27 on the *S. S. Robert Lee* and will return on the afternoon of January 30. It is planned to visit Williamsburg, Jamestown, Yorktown and Virginia Beach.

OFFICERS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

A FULL account of the Columbus meeting of the American Association for the Advancement of Science and the scientific societies associated with it, edited by the permanent secretary, will be printed in the issue of SCIENCE for February 2.

Officers for 1940 were elected as follows:

President: A. F. Blakeslee, Carnegie Institution of Washington, Cold Spring Harbor, N. Y.

Vice-presidents of the association and chairmen of the sections:

Mathematics: A. B. Coble, University of Illinois.

Physics: A. L. Hughes, Washington University, St. Louis.

Chemistry: George Scatchard, Massachusetts Institute of Technology.

Astronomy: Robert R. McMath, McMath-Hulbert Observatory, Pontiac, Mich.

Geology and Geography: Hugh D. Miser, U. S. Geological Survey, Washington, D. C.

Zoological Sciences: L. J. Cole, University of Wisconsin.

Botanical Sciences: M. L. Fernald, Harvard University.

Anthropology: W. Duncan Strong, Columbia University.

Social and Economic Sciences: Holbrook Working, Stanford University.

Historical and Philological Sciences: Chauncey D. Leake, University of California Medical School, San Francisco.

Engineering: Robert L. Sackett, Pennsylvania State College.

Medical Sciences: Paul R. Cannon, University of Chicago.

Agriculture: W. H. Chandler, University of California at Berkeley.

Education: E. S. Ashbaugh, Miami University, Oxford, Ohio.

Members of the Sectional Committees:

Mathematics: J. L. Walsh, Harvard University.

Physics: George R. Harrison, Massachusetts Institute of Technology.

- Chemistry*: Ross A. Gortner, University of Minnesota.
Astronomy: D. B. McLaughlin, Observatory, University of Michigan.
Geology and Geography: John L. Rich, University of Cincinnati.
Zoological Sciences: H. H. Plough, Amherst College.
Botanical Sciences: W. J. Robbins, New York Botanical Garden.
Anthropology: Frank M. Setzler, U. S. National Museum.
Social and Economic Sciences: Stanley D. Dodge, University of Michigan.
Historical and Philological Sciences: Tenney L. Davis, Massachusetts Institute of Technology.
Medical Sciences: L. R. Dragstedt, University of Chicago.
Agriculture: W. A. Albrecht, University of Missouri.
Education: S. R. Powers, Teachers College, Columbia University.
Members of the Executive Committee of the Council (for four years beginning January 1, 1940): R. E. Clausen, University of California; Karl T. Compton, Massachusetts Institute of Technology.
Elected Members of the Council (for four years beginning January 1, 1940): Arthur H. Compton, University of Chicago; Austin H. Clark, U. S. National Museum.
Nomination to the Board of Trustees of Science Service (for three years beginning April, 1940): J. McKeen Cattell, Garrison, N. Y.
Member of the Finance Committee (for four years beginning January 1, 1940): Frederick P. H. Siddons, American Security and Trust Company, Washington, D. C.
Members of the Committee on Grants: S. A. Mitchell (for Astronomy), Leander McCormick Observatory, Charlottesville; J. T. Buchholz (for Botany), University of Illinois; Dayton C. Miller (for Physics), Case School of Applied Science, Cleveland (to succeed the late Dr. F. K. Richtmyer).

SCIENTIFIC NOTES AND NEWS

DR. J. C. ARTHUR, emeritus professor of botany at Purdue University, observed his ninetieth birthday on January 11.

THE Perkin Medal, awarded annually by the American Section of the Society of Chemical Industry "for valuable work in applied chemistry," will be awarded to Dr. Charles M. A. Stine, director of research and vice-president of E. I. du Pont de Nemours and Company, at a joint meeting, presided over by Wallace P. Cohoe, with the American Chemical Society, American Institute of Chemical Engineers, the Electrochemical Society and the Society of Industrial Chemistry at the Chemists' Club, New York City, on January 12. The program will be as follows: "The Life and Accomplishments of C. M. A. Stine"—Dr. Harrison E. Howe. Presentation of the Perkin Medal—Dr. Marston T. Bogert. "The Rise of the Organic Chemical Industry in the United States."—Dr. C. M. A. Stine.

DR. WILLIAM J. GIES, professor of biochemistry at Columbia University, received the achievement medal of the Alpha Omega Dental Fraternity at the close of its convention held in New York City on January 2. The presentation was made by Dr. Samuel Birenbach, of New York. Dr. Gies is editor of the *Journal of Dental Research*.

DR. ROBERT A. BUDINGTON, professor of zoology at Oberlin College, was honor guest at a testimonial dinner in Columbus on December 28. Former students, members of the Oberlin faculty and colleagues from the Woods Hole Marine Biological Laboratory were in attendance. Dr. Budington will retire this June.

FRIENDS and colleagues tendered a testimonial din-

ner on December 3 to Frank C. Caldwell, professor emeritus of electrical engineering at the Ohio State University, with which he has been connected since 1893.

DR. W. D. FUNKHOUSER, professor of zoology and anthropology of the University of Kentucky, head of the department of zoology and dean of the Graduate School, was elected at the Columbus meeting president of the Entomological Society of America.

At a meeting on December 12 of the American Section of the Society of Chemical Industry, announcement was made of the resignation of Dr. D. D. Jackson, professor of chemical engineering and head of the department at Columbia University, who had served as president of the society for the past seven years. Officers for 1940 were elected as follows: *President*, Professor Henri Mouquin; *Vice-president*, Dr. J. V. N. Dorr; *Treasurer*, H. S. Polin; *Secretary*, Jerome Alexander; *Members of the Council*, L. H. Backeland, L. W. Bass, Gerard J. Berchet, M. T. Bogert, J. L. Costa, Prosper Cholet, James H. Hibben, D. D. Jackson, John R. Johnson, W. A. Noyes, Jr., and Atherton Seidell.

DR. LEON WILSON HARTMAN, since 1909 professor of physics at the University of Nevada, was installed on December 15 as president of the university.

DR. EDGAR H. NORRIS, since 1938 professor of pathology at the College of Medicine at Wayne University, Detroit, has been elected dean of the college. He succeeds Dr. Raymond B. Allen, who recently became executive dean of the Chicago colleges of the University of Illinois.