

Institute of Technology, and Henry Eyring, Dean of the University of Utah Graduate School. These awards are given annually by the Corporation for exceptionally meritorious service in the advancement of knowledge benefiting science, industry, and mankind.

The 1948 Progress Medal of Great Britain's Royal Photographic Society has been awarded to Loyd A. Jones, head of Kodak Research Laboratories' physics department. Dr. Jones received the honor for his contribution to the use of photographic sensitometry in the manufacture and control of photographic materials.

The 1948 Edison Medal of the American Institute of Electrical Engineers has been awarded to Morris E. Leeds, chairman of the board of Leeds & Northrup Company. Mr. Leeds was presented the award for his contribution to industry through the development and production of electrical measuring devices and controls.

The thirteenth annual Oersted Medal of the American Association of Physics Teachers has been presented to Arnold Sommerfeld, theoretical physicist, of the University of Munich. Professor Sommerfeld received the award for "notable contributions to the teaching of physics" after a career of more than fifty years of teaching, over forty of which were at Munich.

Edward C. Creutz, Associate Professor of Physics at Carnegie Institute of Technology and administrator of the 400 million volt synchro-cyclotron project, has been named Pittsburgh's "Man of the Year in Science" by the Pittsburgh Junior Chamber of Commerce.

Abe Mordecai Zarem, manager and chairman of physics research for the Stanford University Research Institute, Los Angeles, Calif., has been selected as the outstanding young electrical engineer of 1948 by Eta Kappa Nu, national honor society for electrical engineers.

Robert Simha has received the A. Crossy Morrison Prize of the New York Academy of Sciences for a paper on the viscosity of dilute solutions of high polymer molecules.

Meetings

The Second Symposium on Plasticity will be held at Brown University, Providence, R. I., April 4-6, 1949, under the joint sponsorship of the Bureau of Ships and the Office of Naval Research. The two principal topics will be "Structural Applications of the Theory of Plasticity" and "Dynamic Problems of Plasticity." For further information write to Professor P. S. Symonds, Graduate Division of Applied Mathematics, Brown University, Providence 12, R. I.

Jet Propulsion Centers

Two national centers of rocket and jet propulsion research, at Princeton University and California Institute of Technology, have been established by the Daniel and Florence Guggenheim Foundation, which has appropriated \$500,000 for their support for seven years. The

principal post at each center will be a Goddard professorship, in honor of the American rocket pioneer, the late Robert H. Goddard. Hsue-shen Tsien, MIT professor of aerodynamics, will fill the post at Caltech when the program starts next fall. Six \$2,000 fellowships, three for study at each center, will also be granted yearly. The two universities will provide necessary buildings and equipment.

Student Exchange

UNESCO has published a handbook of fellowships, scholarships, and educational exchange, called Study Abroad, listing over ten thousand opportunities for international study in one hundred and thirty-six subject fields in twenty seven countries, including the United States. The aim of the publication is to increase the number and quality of candidates applying for fellowships, to define the present opportunities for student exchange, and to suggest directions of possible improvement in scope and emphasis of these opportunities. The handbook will be distributed by the Columbia University Press at \$1.00 a copy.

Fellowships

Columbia University's Radiation Laboratory has announced a \$3,500 Carbide and Carbon Chemicals Corporation fellowship in physics for research in microwave spectroscopy with some application to organic chemistry. Also available are half-time research positions which enable graduate students to earn from \$1,450 to \$1,800 per academic year, and full-time research positions paying up to \$4,000 per year for those qualified for ultra-high frequency generator research. Three to six points free tuition each session are provided in the case of full-time positions. Applications including statements of qualifications and major interest should be addressed to I. I. Rabi, Executive Officer, Physics Department, Columbia University, New York 27, N. Y.

Several \$1,800 research fellowships in physics are to be awarded M.S. candidates for work on a project sponsored by the Department of the Army at Florida State University in Tallahassee. Research at this project will be on particle structure, packing and size distribution by x-ray diffraction. Anyone interested should write to K. L. Yudowitch, project director, Florida State University.

Applications will be accepted until April 1 for all-expense General Electric science fellowships at Union College in Schenectady, N. Y. and the Case Institute of Technology in Cleveland, Ohio. The fellowships are available to secondary school science teachers from nineteen northeastern states and the District of Columbia and each college will accommodate fifty fellows equally divided between science teachers preferring to study chemistry and physics. The Union College session, from July 12 to August 13, is open to teachers from New England, New York, Pennsylvania, New Jersey, Delaware, Maryland, Virginia, and the District of Columbia. The Case Institute session, from June 27 to August 5, is for

teachers from Ohio, West Virginia, Kentucky, Indiana, Illinois, Wisconsin, Michigan, and western Pennsylvania. Application forms may be secured by writing the college serving each area.

Bryn Mawr College, Bryn Mawr, Pa., announces that the Helen Schaeffer Huff Memorial Research Fellowship in chemistry or physics is available for 1949-50. Candidates must be women who hold a doctor's degree or who have otherwise demonstrated their ability for research. Preference will be given to a candidate whose research field lies along the borderline between chemistry and physics. The stipend is \$2000. Application blanks may be secured from the Dean of the Graduate School.

Dates Changed

The 1949 meeting of the Southeastern Section of the American Physical Society will be held on April 15 and 16, instead of April 16 and 17, as was originally announced. The meeting will be held at Clemson College, Clemson, South Carolina.

Society Activities

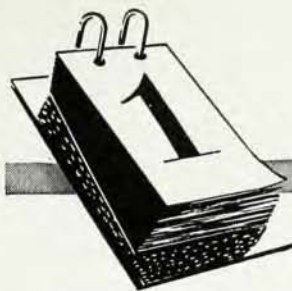
Since the first formal meeting of the International Commission of Optics (an affiliate of the International Union of Pure and Applied Physics) held at Delft, Holland in July 1948, the U. S. National Committee of the I. C. O. has been reconstituted and enlarged. The present membership of this committee is as follows: Stanley S. Ballard, Tufts College, chairman; Irvine C. Gardner, National Bureau of Standards; Max Herzberger, Eastman Kodak Company; Herbert E. Ives, Bell Telephone Laboratories (retired); F. A. Jenkins, University of California (Berkeley); Deane B. Judd, National Bureau of Standards; Rudolf Kingslake, Eastman Kodak Company; George Wald, Harvard University; Mary E. Wurga, University of Pittsburgh.

The Optical Society of America has sponsored arrangements for two speaking tours among some of its local sections. David Richardson of the Bausch and Lomb Optical Company is giving an address on "The Ruling and Testing of Diffraction Gratings," a topic that is of current interest both to academic spectroscopists and to workers in the rapidly growing field of spectrochemical analysis. Gordon F. Hull, Jr. of Dartmouth College is giving a lecture "Microwave and Optical Analogues" accompanied by experimental demonstrations. Stanley Ballard, Tufts College, the Secretary for local sections, made the arrangements and can furnish schedules.

The division of high-polymer physics of the American Physical Society announces the election of the following executive committee officers for 1949: John W. Liska, chairman; Paul M. Doty, vice-chairman; W. James Lyons, secretary; and Robert S. Spencer, treasurer.

Carl Vose Woodbury

Dr. Carl Vose Woodbury, Professor of Physics and head of the department at Norwich University, Northfield, Vermont, died on December 13, 1948 after nearly 50 years continuous service to the University.



CALENDAR

of EVENTS

March 6-10	American Institute of Chemical Engineers (Regional), Los Angeles, California
March 7-10	Institute of Radio Engineers (Annual Convention), New York City
March 9	Inter-Society Color Council, New York City
March 10-11	Illuminating Engineering Society (Pacific Northwest Regional Conference), Portland, Oregon
March 10-12	Optical Society of America (Winter Meeting), New York City
March 10-12	American Physical Society, Cleveland, Ohio
March 14-17	American Association of Petroleum Geologists (Annual Meeting), St. Louis, Missouri
March 14-17	Chicago Technical Societies Council (Conference and Show), Chicago, Illinois
March 18	Institute of Aeronautical Sciences (Flight Propulsion Meeting), Cleveland, Ohio
March 25	American Physical Society, Metropolitan Section, New York City
March 27-31	American Chemical Society (Semiannual Meeting), San Francisco, California
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March 28-30	Society of Automotive Engineers, Cleveland, Ohio
April 1-2	American Mathematical Society, Durham, North Carolina
April 3-5	Illuminating Engineering Society (Southwestern Regional Conference), Houston, Texas
April 4-6	Second Symposium on Plasticity, Brown University, Providence, R. I.
April 4-8	Society of Motion Picture Engineers, New York City
April 11-12	American Institute of Electrical Engineers Conference on the Industrial Application of Electron Tubes, Buffalo, New York
April 11-13	Society of Automotive Engineers (Aeronautics and Air Transportation), New York City
April 11-14	National Association of Corrosion Engineers Annual Conference and Exhibition, Cincinnati, Ohio
April 11-15	American Society for Metals, Los Angeles, California
April 15-16	American Physical Society (Southeastern Section), Clemson, South Carolina
April 19-21	American Institute of Electrical Engineers (Southwestern District), Dallas, Texas
April 19-22	American Society of Biological Chemists (Annual Meeting), Detroit, Michigan
April 20-22	American Geophysical Union, Washington, D. C.
April 20-23	American Society of Civil Engineers, Oklahoma City, Oklahoma
April 21-23	American Philosophical Society, Philadelphia, Pennsylvania
April 24-28	American Ceramic Society, Cincinnati, Ohio
April 25-27	Radio Manufacturers Association and Institute of Radio Engineers (Annual Meeting, jointly sponsored), Philadelphia, Pennsylvania
April 25-27	National Academy of Sciences, Washington, D. C.
April 28-29	Illuminating Engineering Society (Canadian Regional Conference), Toronto, Ontario
April 28-30	American Physical Society, Washington, D. C.
April 29-30	American Mathematical Society, Philadelphia, Pennsylvania, and Lawrence, Kansas
April 30	American Mathematical Society, Stanford University, California
May 2-4	International Scientific Radio Union and Institute of Radio Engineers (Joint Meeting), Washington, D. C.
May 2-4	American Society of Mechanical Engineers (Spring Meeting), New London, Conn.
May 5-7	Acoustical Society of America (Twentieth Anniversary Meeting), New York City
May 8-10	American Institute of Chemical Engineers, Tulsa, Oklahoma
May 12-13	Instrument Society of America (Spring meeting), Toronto, Canada