

Case School of Applied Science, will give an evening lecture on "Contributions of optical measurements to physical theory." Professor Miller will discuss, among other things, his recent ether drift experiments at Mount Wilson.

The Optical Society of America was founded in 1916 to "serve the interests of those who are engaged in any branch of optics, from fundamental research to the manufacture of optical goods." Its present officers are:

President: Herbert E. Ives,
Bell Telephone Laboratory, Inc.,
New York City.

Vice-president: W. E. Forsythe,
Nela Research Laboratory,
Cleveland, Ohio.

Secretary: F. K. Richtmyer,
Cornell University,
Ithaca, N. Y.

Treasurer: Adolph Lomb,
Bausch and Lomb Optical Co.,
Rochester, N. Y.

The meetings are open to the public. A detailed program may be had by writing to the secretary.

SCIENTIFIC NOTES AND NEWS

THE autumn session of the National Academy of Sciences will be held at the University of Wisconsin on November 9, 10 and 11. The local committee consists of C. K. Leith, *Chairman*; C. E. Allen, George C. Comstock, L. R. Jones, Max Mason, C. E. Mendenhall, Joel Stebbins and E. B. Van Vleck.

ON the occasion of the meetings of the German Chemical Society at Nuremberg on September 2, Professor Gustav Dammann, of Göttingen, was presented with the Liebig commemorative medal of the society for his work on the properties of crystals, and Professor Otto Warburg, of the Kaiser Wilhelm Institute of Berlin, was presented with the Adolf-Baeyer commemorative medal for his researches on the metabolism of tumors.

DR. ALOIS K. KOVARIK, professor of physics at Yale University, was presented with the medal of the University of Prague on the occasion of his recent visit to the university, where he gave a series of lectures.

F. L. STEVENS, professor of plant pathology at the University of Illinois, was recently granted a doctorate by the University of San Marcos at Lima, Peru, in recognition of his studies on tropical fungi.

THE Ecuadorean government has awarded the medal of merit to Dr. Michael E. Connor, a member of the International Health Board of the Rockefeller Foun-

dation, who has been engaged for about two years in studying yellow fever and laying plans for a campaign against the disease.

MEMBERS of the American Section of the Society of Chemical Industry gave on September 3 a testimonial dinner at the Chemists' Club to Dr. Allen Rogers, who was the secretary of the society for over ten years.

AT the University of Pennsylvania leaves of absence for the first half of the academic year have been granted to Dr. William Pepper, Jr., dean of the school of medicine; Dr. Charles B. Bazzoni, professor of experimental physics, and Dr. Francis C. Grant, associate in surgery.

ORVILLE WRIGHT has accepted the chairmanship of an advisory committee for the new school of aeronautics at New York University, which was recently established through a gift from Daniel Guggenheim.

THE American Röntgen Ray Society, meeting in Washington, D. C., has elected the following officers for the year 1926: Dr. Russell B. Carman, of Rochester, Minn., *president*; Dr. P. F. Butler, Boston, *first vice-president*; Dr. Charles F. Richards, San Jose, Calif., *second vice-president*; Dr. Charles L. Martin, Dallas, Tex., *secretary*; Dr. William A. Evans, Detroit, Mich., *treasurer*; Dr. Harry W. Bachelor, Toledo, Ohio, *librarian*.

THE British Röntgen Society has elected officers for the session 1925-26 as follows: *President*, Dr. F. W. Aston, F.R.S.; *Vice-presidents*, Dr. Robert Knox, Dr. N. S. Finzi and Professor A. W. Porter, F.R.S.; *Honorable treasurer*, Mr. Geoffrey Pearce; *Honorable editor*, Dr. G. W. C. Kaye; *Honorable secretaries*, Dr. E. A. Owen and Dr. R. J. Reynolds.

J. S. HIGHFIELD will be installed as president of the British Junior Institution of Engineers at the inaugural meeting of the forty-fifth session on December 11, when he will deliver his presidential address.

PROFESSOR E. F. BEAN, of the University of Wisconsin and for some years assistant state geologist, has been named acting director of the state geological survey and state geologist by the geological survey commission to succeed Professor W. O. Hotchkiss, who has been made president of the School of Mines at Houghton, Mich.

GEORGE MIKSCH SUTTON, of the Carnegie Museum, Pittsburgh, has been appointed Pennsylvania State Ornithologist, with headquarters in Harrisburg.

PROFESSOR HENRY H. NORRIS, formerly head of the department of electrical engineering at Cornell Uni-

versity, has resigned as assistant to the president of the McGraw-Hill Company, Inc., to affiliate himself with the Boston Elevated Railway as educational adviser.

NORMAN A. SHEPARD, who for the past six years has been in charge of the organic chemical research department of the Firestone Tire & Rubber Company of Akron, Ohio, has been made director of research, covering all chemical research work.

DR. W. A. KUNTZ, until recently assistant plant pathologist of the Florida State Plant Board, has been appointed assistant plant pathologist at the Florida Experiment Station and assigned to work in connection with the tomato disease investigations which are being conducted in cooperation with the U. S. Bureau of Plant Industry.

CHESTER A. LEE, assistant forester of the Colorado National Forest at Fort Collins, has been appointed farm forestry specialist at Colorado College.

ROBERT PEANSTIEL has recently resigned his position as section chief in the Chemical Warfare Service at Edgewood Arsenal, Md., to accept a position as research chemist with the General Chemical Company.

E. D. GARDNER, mining and explosives engineer, has been appointed acting superintendent of the Southwest Experiment Station of the Bureau of Mines, Tucson, Arizona.

DR. F. F. NORD, of the division of chemistry of the Physiological Institute, Berlin, has arrived from Germany to do research work in the section of biochemistry of the Mayo Foundation, University of Minnesota.

DR. EDWARD VERMILYE HUNTINGTON, professor of mechanics at Harvard University, has been appointed an exchange professor from the university for the year 1925-26 under the interchange agreement between Harvard University and the western colleges. Professor Huntington's term of service will fall in the first half-year.

GLENN W. HERRICK, professor of entomology in the College of Agriculture at Cornell University, is going abroad to spend his sabbatic leave visiting entomologists and laboratories in France and Italy.

DR. ALEŠ HRDLÍČKA, of the Smithsonian Institution, recently gave a lecture before the Royal Anthropological Institute on the results of his trip to India, Australia and South Africa. Dr. Hrdlička exhibited fragments of human remains, which he intends to present to the British Museum, where they will take their place with the other remains of Rhodesian man.

IN connection with the Exposition of Chemical Industries which opened in New York on September 29,

the following addresses were made: Tuesday, "The application of research to industry," by Dr. Arthur D. Little; Wednesday, "Sources of information for chemists and engineers," by H. E. Howe; Thursday, "Buying and selling the products of chemistry," by William Haynes; Friday, "The American chemical industry of to-day," by Dr. Charles H. Herty.

DR. WILLIAM M. DAVIS, professor of physical geography at Harvard University, delivered a public lecture on September 30 at Clark University which was on "The Grand Canyon of Colorado," illustrated with lantern slides and pictures.

DR. ALEXANDER O. GETTLER, toxicologist of the City of New York and associate professor of chemistry at New York University and Bellevue Medical College, gave a lecture before the American Section of the Société de Chimie Industrielle, on October 9, on "The rôle of chemistry in criminology."

DR. ALEXANDER FINDLAY, professor of chemistry in the University of Aberdeen, Scotland, addressed a joint meeting of the Washington Academy of Sciences and the Chemical Society of Washington on September 25.

ROALD AMUNDSEN, the Arctic explorer, is coming to the United States in the late autumn, when he plans to give a series of lectures.

As a tribute to the memory of Galileo Ferraris, the municipal authorities of Livorno Vercellese, his native place, have recently changed the name of the town to Livorno Ferraris. The event was made the occasion of a ceremony, electrical engineers from all parts of Italy being present. The house in which Ferraris was born in 1847 has also been acquired by the local authorities and is to be converted into a museum.

DR. EUGENE R. KELLEY, state commissioner of public health for Massachusetts, and lecturer in the school of public health of Harvard University, died by suicide on September 27, aged forty-three years.

DR. GEORG A. SCHWEINFURTH, the German explorer, botanist and archeologist, died on September 19, in his eighty-ninth year.

WE learn from the *Journal* of the American Medical Association that under the auspices of the National Dairy Exposition, from October 10 to 17, at Indianapolis, there will be a "health food show" under the personal direction of Dr. Elmer V. McCollum, professor in the School of Hygiene and Public Health of the Johns Hopkins University. Foods that have been found essential will be displayed and many other foods classified by Dr. McCollum, their food values charted and details of their preparation demonstrated

by nutrition workers. The purpose of the health food show is to educate the public to the quality of the more important agricultural foods and to emphasize the supplementary relation of some foods to others.

THE Harvard Medical School will give a course of lectures on "The care of the patient," which will discuss, from the viewpoint of clinicians in various lines of work, the care of the individual human subject, as against the care of the disease, as follows: October 6, Dr. David L. Edsall, dean of the Medical School; October 8, Dr. Franklin G. Balch, associate in surgery; October 13, Dr. Alfred Worcester, Henry K. Oliver professor of hygiene; October 15, Dr. Francis W. Peabody, professor of medicine; October 20, Dr. Edward W. Taylor, James Jackson Putnam professor of neurology; October 22, Dr. C. Macfie Campbell, professor of psychiatry.

THE eighteenth annual Electrical and Industrial Exposition will be held in the Grand Central Palace, New York City, from October 14 to 24. Approximately 20,000 electrical appliances and devices will be on display. The United States government will be the largest single exhibitor at the exposition.

THE Association of Deans of Medical Colleges of America will meet in Charleston from October 26 to 28. All the sessions will be held at the Fort Sumter Hotel.

THE fifth annual meeting of the American Association of Oral and Plastic Surgeons will be held in Philadelphia at the Bellevue-Stratford Hotel on October 26 and 27. Members of the medical and dental professions are invited to attend the scientific sessions which will be coincident with the clinical congress of the American College of Surgeons.

ARRANGEMENTS are now being completed for the sixth congress of the Far Eastern Association of Tropical Medicine, which is to be held in Tokyo from October 11 to 31; an attendance of over five hundred is expected. There will be an exhibition illustrating the medical history of Japan, and a demonstration of home-made medical and surgical instruments, medicinal plants and parasitological exhibits.

THE annual meeting of the German Congress of Tropical Medicine is to be held at Hamburg from October 15 to 17, in connection with the twenty-fifth anniversary of the foundation of the Tropical Institute.

THE Paleontologische Gesellschaft, an international society of paleontologists, met at Weimar in Thuringia from September 24 to 29, under the presidency of Professor J. F. Pompeckj, of Berlin. The organizing secretary was Professor Soergel, of Tübingen, who also led several of the excursions. These in-

cluded visits to travertine quarries near Ehringsdorf, where relics of Neanderthal man have been found; to old gravels of the River Ilm, with their vertebrate and cultural remains; to the Bunter sandstone of Berka, which shows worm-burrows and tracks of *Chirotherium*, and to the Muschelkalk of Jena, besides the museums in Weimar and Jena.

THE Interstate Postgraduate Assembly plans to supervise a foreign clinic tour in 1926 to Naples, Rome, Florence, Venice, Bologna, Vienna, Munich, Budapest, Berne, Geneva, Amsterdam, The Hague and Brussels. The tour will start the latter part of April or the first part of May; besides the clinic features there will be trips to scenic points in the various countries. It is also announced that the assembly has established an "interstate community trust fund" under careful legal protection for perpetuating legacies and subscriptions, and that the income from the fund will be used in carrying on its scientific and postgraduate work. Dr. Joseph Schneider, Milwaukee, recently made a gift to the fund of \$10,800, which will be maintained as the Schneider Endowment and the income devoted to medical research with particular reference to diseases of the eye.

IN 1924 the Research Information Service of the National Research Council sent to about 200 libraries in the United States copies of a reprint of the "List of Periodicals" from *Psychological Index*, no. 29, for 1922 (published in May, 1923), with the request that the libraries would check the journals currently received by them. From the copies which were checked and returned a compilation of the foreign serials currently received in libraries of the United States has been made as an aid to investigators in binding the journals cited in *Psychological Index* and in other bibliographical sources. This report is now in mimeographed form and a limited number is available for distribution upon application to the Research Information Service, National Research Council, B and 21st Streets, Washington, D. C.

SINCE the foundation of the *Journal of Scientific Instruments* two years ago, the editorial work has been carried out on behalf of the Institute of Physics at the National Physical Laboratory by Dr. John S. Anderson. The Institute of Physics finds that it is unable to continue the contribution of the amount payable to the National Physical Laboratory for Dr. Anderson's services, and the arrangements so far existing have accordingly been terminated. Dr. C. V. Drysdale, who has been a member of the editorial committee for some time, has been appointed editor beginning with the September number of the journal.

THE Chemical Foundation, Inc., has recently published a classified list of the patents owned by it,

grouped by subjects under the classification used by the U. S. Patent Office. This publication is the result of work of the foundation in cooperation with a committee of the Synthetic Organic Chemical Manufacturers Association, of which D. B. Keyes, of the U. S. Industrial Alcohol Company, was chairman. This list is published primarily in order that all manufacturers may have a quickly available and comprehensive listing of all patents owned by the foundation in which they may be interested, and it is hoped by means of this to avoid a repetition of the happenings in the case of methanol where important patents lay unlicensed in the files of the foundation for months after the product was being manufactured in Germany and imported into the United States in large quantities.

A LARGE collection of birds obtained in the valley of the Rio Purús, Brazil, by S. M. Klages, has recently been received at the Carnegie Museum, Pittsburgh. The collection contains many species hitherto not represented in the collections.

PRESIDENT COOLIDGE recently signed an executive order creating the reservation at Camp Upton as a National Forest and sanctuary. It is estimated that eighty years must elapse before the tract can return to its former wooded condition.

THE first progress report of the Foot-and-Mouth Disease Research Committee, of England, is largely of a preliminary nature: researches and experiments include those on cattle, sheep and pigs, and arrangements for this class of inquiry have been completed. The extensive and well-appointed buildings at Pirbright, Surrey, constructed and equipped as a cattle testing station, have been placed at the disposal of the committee by the Ministry of Agriculture and are admirably adapted for the purpose. The investigation will be of such a searching character as should lead to definite results, as far as present suggestions and theories can affect the situation.

UNIVERSITY AND EDUCATIONAL NOTES

By the will of the late Dr. John W. Elliott, of Boston, Harvard University will receive \$5,000 for the medical school and \$5,000 for the general purposes of the college.

THE late Colin Thomson has bequeathed a quarter of the residue of his estate, estimated at £25,000, to the West of Scotland Agricultural College, to be devoted to research work and scholarships.

RECENT changes in the department of botany at the University of Pennsylvania include the appointment

of Dr. William Seifriz, during the past year the holder of a National Research Council Fellowship at that university, to a professorship in botany. Dr. Irwin Boeshore, instructor in botany, has been promoted to an assistant professorship. Additional space to be devoted to individual laboratories for faculty and advanced students has been obtained by using the residence building of the Botanic Garden for that purpose.

New members of the faculty of the University of Louisville School of Medicine include Dr. Richard W. Jackson and Dr. Ralph J. Kaufman, professors of physiological chemistry, and Dr. M. W. Caskey, professor of physiology and pharmacology.

DR. LLOYD L. SMAIL, assistant professor of mathematics in the University of Oregon, has been appointed associate professor in the department of pure mathematics at the University of Texas.

W. T. READ, recently a member of the Yale University faculty and in charge of the technological courses at the Chemical Exposition in New York since their inauguration, has been appointed professor of chemistry at the Texas Technological College, Lubbock, Texas.

New appointments in the department of physics of Washington Square College, New York University, are: H. Van Norman Hilberry, formerly of the University of Chicago; W. Wenger, of Wooster College, and R. M. Williams, of Nebraska Wesleyan College. Dr. van der Merwe and Dr. Max Petersen have been promoted to the rank of assistant professors.

DR. EDWIN M. BAILOR has been appointed assistant professor of psychology at Dartmouth College.

KIRBY E. JACKSON, of Athens College, Alabama, has been appointed associate professor of chemistry in the State University of Washington.

DR. HELEN INGLEBY, of London, has been appointed professor of pathology at the Woman's Medical College of Pennsylvania, succeeding Dr. Maude Abbott, who has returned to McGill University in Montreal.

DR. CHI-TING KWEI, who recently received the Ph.D. from Princeton University, has returned to Changsha, China, where he is to be head of the physics department at the College of Yale in China.

DISCUSSION AND CORRESPONDENCE THE UNDERWORLD OF SCIENCE

FEW scholars realize the existence of what may be termed the underworld of science, books which go through the motions of science regardless of its method or its purpose. The function of science, as Agassiz