

serving of recognition as visitors be sent to the secretary. The council will then invite them to attend the meeting.

The Paleontological Society will hold its eighteenth annual meeting at Madison, in room 305, agricultural hall, in conjunction with the Geological Society of America. The Mineralogical Society of America will hold its seventh annual meeting at Madison, in Room 206, agricultural hall, in conjunction with the Geological Society of America. Full information regarding this meeting may be obtained from the society's secretary, F. R. Van Horn, Case School of Applied Science, Cleveland, Ohio. The Society of Economic Geologists will hold a meeting for the presentation of technical papers in association with the Geological Society of America. The sessions will be held in Room 314, Agricultural Hall.

Further information may be obtained from the secretary, Professor Charles P. Berkey, Columbia University.

SCIENTIFIC NOTES AND NEWS

DR. JAMES FURMAN KEMP, professor of geology at Columbia University, died on November 17, aged sixty-seven years.

ON the occasion of the celebration of the fiftieth anniversary of its foundation, the Royal Geographical Society of Antwerp has conferred its gold medal on Sir Francis Younghusband. Sir Francis was present and spoke on "British Colonization in South Africa."

DR. KARL DIENER, professor of paleontology at the University of Vienna, has been elected a foreign member of the Geological Society of London and Dr. Otto Jaekel, professor of geology and paleontology at the University of Greifswald, has been elected a corresponding member.

DR. ARNOLD SOMMERFELD, professor of theoretical physics at the University of Munich, has been elected a foreign corresponding member of the Royal Society of London and an honorary member of the Manchester Literary and Philosophical Society.

THE Darmstädter prize of the Institute for Experimental Chemotherapy is to be awarded this year for the first time. The recipient is Professor R. Pfeiffer, of the University of Breslau, discoverer of bacteriolytins, of the influenza bacillus and of Pfeiffer's phenomenon.

DR. OTTO KNOPF, professor of astronomy at the University of Jena and director of the observatory, recently celebrated his seventieth birthday.

FORMER students of Dr. Edward Orton, pioneer in the field of ceramics and former dean of the college

of engineering at the Ohio State University, have made an initial gift of \$3,524 to establish a fellowship to be known as the "Edward Orton Fellowship in Ceramic Engineering." When through accrued interest and additional gifts the amount reaches \$10,000 the income will be awarded annually to promising students in ceramics.

DR. GUIDO H. MARX, professor of machine design at Stanford University, has been chosen chairman of the Northern California Division of the American Civil Liberties Union.

HENRY H. HENLINE, associate professor of electrical engineering at Stanford University, has been appointed assistant national secretary of the American Institute of Electrical Engineers and will join the headquarters staff of the institute in New York City about January 1.

DR. F. C. FORSBECK, formerly of the Rockefeller Foundation, has been appointed to the position made vacant by the resignation of Dr. W. G. Weber as epidemiologist in the Massachusetts Department of Public Health.

DR. HENRY S. SIMMS has been transferred from the division of chemistry of the Rockefeller Institute for Medical Research in New York City to the department of animal pathology of the same institute, Princeton, N. J., where he has charge of the division of chemistry.

DR. C. JUDSON HERRICK, professor of neurology in the University of Chicago and managing editor of the *Journal of Comparative Neurology*, expects to spend the months of December, January and February in Europe. During his absence correspondence relating to the *Journal of Comparative Neurology* should be addressed to one of the other members of the editorial board of the journal or to the publication office. All proofs should be returned directly to the publication office at the Wistar Institute, Philadelphia.

DR. BAILEY WILLIS, professor of geology at Stanford University, is making a trip around the world.

DR. A. S. WILLARS, National Research fellow in photochemistry at Harvard University, has gone to Germany to spend a year working at the Institute of Physics at Göttingen under the direction of Professor J. Franck.

DR. ALICE HAMILTON, assistant professor of industrial medicine in the school of public health at Harvard University, will be on sabbatical leave for the academic year 1926-27. Her course in industrial toxicology is given by Professor Edgar L. Collis, from the University of Wales, Cardiff.

DR. EDWARD O. OTIS, honorary president of the Massachusetts Tuberculosis League and chairman of the educational committee of the Boston Tuberculosis Association, left on November 11 for a seven months' trip around the world. Dr. Otis's principal mission will be to secure a general idea of the tuberculosis conditions in the countries he will visit.

J. W. GREIG, of the Geophysical Laboratory of the Carnegie Institution of Washington, who has been on a year's leave of absence, part of which was spent at Harvard University and part with the Canadian Geological Survey, resumed his work at the laboratory in October.

DR. THEODOR VON KARMEN, professor of mechanics and aero-dynamics at the Institute of Technology at Aachen, Germany, at the invitation of the Guggenheim Foundation of Aeronautics is to give a series of lectures in various American universities.

PROFESSOR HERMANN WEYL, of Zurich, a delegate from Switzerland to the International Congress of Philosophy at Cambridge, Mass., recently visited several of the universities of the east and middle west. While at the University of Michigan he gave lectures on the "Rôle of Infinity" and "Modern Concepts of Gravitation."

DR. CHIYOMATSU ISHIKAWA, formerly professor of biology in the Imperial University at Tokyo, and Dr. Mikinosuki Kiyajima, one of the directors of the Kitasato Institute and professor in the Keio University, recently arrived in New York. They are visiting this country at the invitation of the Rockefeller Foundation to visit laboratories and discuss biological problems. Another biologist on the commission, who arrived here in October, is Dr. Naohide Yatsu, professor of biology in the Tokyo Imperial University.

J. DEWEY SOPER, a naturalist and explorer in the service of the Canadian government, has returned after three years spent on Baffinland, of which he has made a survey.

PROFESSOR K. F. MATHER, of the department of physiography at Harvard University, and Dr. J. R. Straton, pastor of the Calvary Baptist Church in New York City, debated in Boston, November 18, the question "Is the Theory of Evolution Incompatible with the Theory of Christian Religion?"

DR. MAURICE C. HALL, chief of the division of zoology in the U. S. Bureau of Animal Industry, gave a lecture on "Recent Developments in the Therapy of Helminthiasis," on November 19, in the series of public lectures at the Harvard Medical School, under the auspices of the School of Public Health.

DR. HUGH STOTT TAYLOR, professor of physical chemistry at Princeton University, will lecture before the Franklin Institute on December 2 on "Atomic Hydrogen and the Mechanism of Catalysis."

DR. E. P. WIGHTMAN, of the Research Laboratory of the Eastman Kodak Co., Rochester, N. Y., gave a lecture on "Some Mysteries of Photography," at the Brooklyn Institute of Arts and Sciences, on November 15. The lecture was illustrated with both lantern slides and motion pictures.

DR. FREDERICK S. HAMMETT, of the Wistar Institute of Anatomy and Biology, Philadelphia, delivered a lecture on "The Thyroid and Growth" before the Buffalo Academy of Medicine on November 10.

MISS CAROLINE A. LORD, of Cincinnati, has presented to Ohio State University an oil portrait of the late Professor H. C. Lord, professor of astronomy. The portrait will be hung in the classroom of the Emerson McMillin Observatory.

A TABLET is to be erected in the arch of the engineering building at the University of Michigan as a memorial to the late Professor J. B. Davis, who was professor of civil engineering in the university, by his former students.

DR. CHARLES E. WELLINGTON, formerly head of the department of chemistry at the Massachusetts Agricultural College, died on November 15 at the age of seventy-three years.

DR. DICK J. CROSBY, professor of extension work at the New York State College of Agriculture at Ithaca and nationally known for his work along agricultural extension lines, died on November 15, aged sixty years.

DR. E. S. BISHOP, formerly professor of clinical medicine in the Polyclinic Hospital and Medical School, New York City, died on November 15 in his fiftieth year.

PROFESSOR FRANZ EXNER, emeritus professor of physics at the University of Vienna, died on November 15 at the age of seventy-eight years.

THE United States Civil Service Commission announces competitive examinations for associate metallurgists and assistant metallurgists. Applications must be on file not later than December 7. The entrance salaries are \$3,000 for associate metallurgists and \$2,400 for assistant metallurgists, with the possibility of advancement to \$3,600 and \$3,000, respectively. Vacancies are to be filled in the Bureau of Mines and at Frankford Arsenal, Philadelphia, Pa.

THE third annual meeting of the Northwest Scientific Association will be held December 28 and 29 at

the Davenport Hotel, Spokane, Wash. There will be several general sessions and the meetings of the various sections. The address of the retiring president, Dr. M. A. Brannon, chancellor of the University of Montana, will be given at one of the general sessions. Applications for membership and titles of papers for the Spokane meeting may be sent to the secretary-treasurer, Dr. F. D. Heald, State College of Washington, Pullman.

THE New Mexico Association for Science held its eleventh annual meeting in Santa Fé, November 5 and 6, at which time a program of eleven papers was presented. The following officers were elected for the ensuing year: Kenneth M. Chapman, School of American Research, Santa Fé, *president*; F. M. Denton, New Mexico Normal University, East Las Vegas, *vice-president*; Paul P. Mozley, Albuquerque, *treasurer*; Edward Lighton, Albuquerque, *secretary*. The association decided by unanimous vote to affiliate with the Southwestern Division of the American Association for the Advancement of Science, which will hold its next annual meeting in Santa Fé.

A NEW scientific society was organized recently in Santiago, Chile, with the name The Chilean Society of Natural History (*Sociedad chilena de Historia natural*). The first officers are as follows: *President*, Professor Carlos E. Porter, zoologist, entomologist; *vice-president*, Professor Francisco Fuentes M., chief of National Herbarium; *secretary*, Mr. Gualterio Looser, honorary aid in anthropological section of National Museum; *assistant secretary*, Professor Gilberto Montero, professor of natural sciences; *directors*, Professor Marcial R. Espinosa, chief of cryptogamic botany, National Museum; Professor Miguel R. Machado, chief of geological and mineralogical section, National Museum; Fr. Flam. Ruiz P., professor of natural history, specialist in Apidae. The address of the society is Casilla 2974, Santiago, Chile.

TWENTY all Latin-American nations have been invited to participate in the 1927 Road Congress to be held in Chicago during good roads week from January 10 to 15. The meeting is to be the twenty-fourth annual convention and road show of the American Road Builders' Association. Invitations were extended presidents of all South American republics to appoint official delegates to the convention. According to H. G. Shirley, president of the association, the foreign delegates will be honored with a Pan-American day.

A SERIES of free public lectures to be held on Wednesday evenings at the Victoria Memorial Museum, Ottawa, has been arranged by a lecture committee consisting of Harlan I. Smith, M. E. Wilson and Clyde L. Patch. The program for November and De-

cember contains the following papers, each of which will be illustrated with motion pictures: November 17, "A Visit to the Stars," by R. M. Motherwell, of the Dominion Observatory; November 24, "Canada's Forest Wealth," by Roland D. Craig, of the Dominion Forest Service; December 1, "Iron in the Lake Superior Region," by T. L. Tanton, of the Geological Survey; December 8, "The Story of Our Migratory Birds," by Hoyes Lloyd, of the Canadian National Parks; December 15, "A Pinch of Salt," by L. H. Cole, of the Mines Branch; December 22, "Who Are the Indians?" by D. Jenness, of the Victoria Memorial Museum. The same series of lectures is being repeated on Saturday mornings for children.

PROFESSOR W. C. GRAUSTEIN has presented to the Société Mathématique de Belgique the amount of the prize that he received from the Royal Academy of Belgium for his memoir entitled "Methods invariants dans la géométrie infinitésimale des surfaces" with the request that it be used to found a prize. This prize, which will be known as the Prix Graustein, will be awarded for an important contribution to infinitesimal geometry; competition will be restricted to the United States and Belgium.

THE department of tropical medicine of Harvard University announces a gift from Mr. Herman A. Metz, of New York City, for the purpose of furthering the work of the department in its study of spirochaetal diseases. Through the generosity of Mr. Metz, an additional member has been nominated to the staff of the department for the investigation of the biological characteristics of some of the less common pathogenic spirochaetes.

THE *London Times* states that by the generosity of Sir Otto Beit, who has promised to place at the disposal of the trustees of the Beit fellowships for scientific research a further sum of £15,000, the trustees announce that they are now in a position to award all the fellowships within their gift for the definite period of two years instead of for one year as hitherto. The fellowships now current were given for two years, and it is anticipated that future awards will be made on that basis. The extension of tenure will greatly enhance the value and confirm the prestige of these fellowships throughout the scientific world. Since 1913 eighteen Beit fellows in all have pursued their scientific research in the laboratories of the Imperial College at South Kensington.

A DONATION of £10,000 has been made to the British Association for the Advancement of Science by Sir Alfred Yarrow, following a donation of the same amount made by Sir Charles Parsons some years ago. Sir Alfred Yarrow, feeling that the present

urgent needs of the association, in its work for science, should receive precedence over provision for the distant future, has made it a condition that his gift should be expended, as to both capital and interest, within a period of twenty years. Sir Charles Parsons has expressed himself similarly with regard to his gift.

THE REV. FRANCIS DAVID MORICE, fellow of Queen's College, Oxford, and for twenty years an assistant master at Rugby School, who died on September 21, left his collections of insects, cabinets and store boxes, microscopic slides, microscopic and photographic apparatus, books and manuscripts and photographs of entomological objects to the University of Oxford for the Hope department of the University Museum. He also left £500 to Queen's College, Oxford, and £200 to the Entomological Society.

THE Zentralanstalt for meteorology and geodynamics at Vienna, which was founded in 1851 at the instance of the Vienna Academy of Sciences, has reached its seventy-fifth anniversary. At the suggestion of the director, Dr. F. M. Exner, the academy has celebrated the event by issuing a *Festschrift* dedicated to the institute. The volume, of about 200 pages, contains thirteen papers by Austrian and German geophysicists.

THE Harvard College Observatory has received a cablegram from the Central Bureau of Astronomical Telegrams in Copenhagen announcing the discovery of two comets. Neither body is visible without the use of telescopes. A new comet of the twelfth magnitude was discovered on November 5 by Professor J. Comas-Sola, of Barcelona, Spain. It is in the Mira Ceti, and the detailed observation is right ascension, 2 hours, 56 minutes, 36 seconds, declination north six degrees, 31 minutes. The other comet was discovered on November 5 by Professor G. Neujmin, of Simeis, Russia, of his own comet, originally discovered some years ago. It is of the fourteenth magnitude and in the constellation of Leo, not far from Regulus in the Sickle.

UNIVERSITY AND EDUCATIONAL NOTES

THE late Mrs. Elizabeth Clark Rogers, of Brookline, Mass., has bequeathed \$75,000 to Harvard University and the residue of her estate, estimated at approximately \$300,000, to the medical school of the university.

HARVARD UNIVERSITY has authorized plans for two new chemistry buildings, to include complete laboratories and research divisions, estimated to cost in excess of \$1,250,000. It is expected to ask bids on general contract early in November.

WITH the purpose of endowing a chair of operative dentistry, the Philadelphia alumni of the University of Pennsylvania's school of dentistry have begun a campaign for \$200,000. The chair will bear the name of Edward Tyler Darby, emeritus professor of operative dentistry in the university.

DR. E. A. BOYDEN, assistant professor of comparative anatomy in the Harvard Medical School, has been appointed associate professor of anatomy in charge of the department of anatomy of the University of Illinois. Dr. Boyden's place is to be filled temporarily by Dr. Torr W. Harmer, assistant in anatomy and in surgery.

THE Mount Sinai Hospital announces the following appointments: Dr. Louis Gross, formerly of McGill University, as acting director of laboratories; Dr. Gregory Schwartzman, formerly of the New York Homeopathic Medical School, bacteriologist; Dr. Michael Heidelberger, formerly of the Rockefeller Institute, chemist; Dr. Paul Klemperer, formerly of the Post-Graduate Medical School and Hospital, pathologist. Extensive alterations are being made in the laboratories to accommodate a complete full-time staff.

APPOINTMENTS for the year 1926-1927 in the anthropological division of the Institute of Psychology, Yale University, New Haven, have been announced as follows: Fellowships, Dr. Paul Radin, research fellow; Dr. Beatrice Blackwood, international fellow from England; H. D. Skinner, Rockefeller Foundation fellow from New Zealand; research assistants, Dr. Sophie de Aberle, Emily Marion Pilpel, Helen Heffron Roberts.

THE department of soils and crops in the experiment station and the department of agronomy in the school of agriculture at Purdue University have been consolidated into a department of agronomy, headed by A. T. Wiancko. G. H. Cutler, formerly head of the department of agronomy of the University of Alberta, has been appointed professor of agronomy and assistant chief of the department.

DR. CHARLES R. BRANCH has been appointed assistant professor of pathology at the Boston University School of Medicine.

ERNEST CLARE BOWER, associate astronomer at the United States Naval Observatory, has been appointed assistant professor of astronomy and mathematics in Ohio Wesleyan University.

DR. WALTER DIX, professor of plant anatomy at the University of Kiel, has received a call to the University of Giessen.