

fuel": Milton C. Whitaker, president of the U. S. Industrial Alcohol Co. "Complete utilization of coal and motor fuel": A. C. Fieldner, superintendent, Pittsburgh station, U. S. Bureau of Mines.

October 1.—"Motor design and fuel conservation": C. F. Kettering, president of the General Motors Research Corporation.

Fourth Chemical Industry Banquet.

October 1, at 8:00 P. M., banquet to take place at the Hotel Roosevelt. The speakers will be Dr. Chas. H. Herty, president of the Synthetic Chemical Manufacturers' Association, *toastmaster*; Honorable James E. Wadsworth, U. S. Senator from New York, and others to be announced.

Symposium on Artificial Silk.

October 2.—"The development of the artificial silk industry": M. G. Luft, technical director of the Industrial Fiber Company.

Informal Supper and Smoker.

October 2, at 7:00 P. M., informal supper and smoker to be held at the men's faculty club of Columbia University. Dr. Alexander Findlay, of the University of Aberdeen, will speak on "The appeal of science to the community."

THE SCOPES SCHOLARSHIP FUND

APPROXIMATELY one third of the \$5,000 fund being raised by the scientists of the country to further the graduate training of John T. Scopes, defendant in the Dayton evolution trial, has now been collected. Thus far, non-scientists have surpassed scientists, both in numbers interested and in the size of individual contributions; but this was expected, since most scientific men are away from their usual addresses during the summer. With the return of college and university faculties, the response of the profession most interested in the freedom of teaching will become more complete, and the balance of the fund will probably be quickly gathered. A complete list of contributors will be published.

Mr. Scopes has signified his intention to begin his graduate work in geology at the University of Chicago at the opening of the fall term. His thanks, and the thanks of the scholarship committee, are extended to all who by contributions and personal effort have made this recognition of his services to science possible.

FRANK THONE,
Treasurer

SCIENCE SERVICE,
WASHINGTON, D. C.

SCIENTIFIC NOTES AND NEWS

THE date of the Oxford meeting of the British Association for the Advancement of Science next year, at which the Prince of Wales will be president, is to be from August 4 to 11. The meeting in 1927 is to be held in Leeds. Vice-presidents appointed for the Oxford meeting include Sir Charles Sherrington, Dr. Gilbert C. Bourne, Professor E. B. Poulton, Sir Arthur Evans and Professor H. H. Turner. New members of the council of the association are: Professor A. L. Bowley, Dr. H. H. Dale, Sir Richard Gregory, Professor T. P. Nunn and Professor A. O. Rankine.

PROFESSOR GEORGE C. COMSTOCK, of Beloit, Wis., formerly director of the Washburn Observatory of the University of Wisconsin, has been elected president of the American Astronomical Society to succeed Dr. W. W. Campbell, president of the University of California and director of the Lick Observatory. Professor S. A. Mitchell, of the Leander McCormick Observatory of the University of Virginia, was elected vice-president, and Professor Joel Stebbins, of the University of Wisconsin, and Professor Benjamin Boss, of the Dudley Observatory at Albany, N. Y., were reelected secretary and treasurer. Professor H. C. Wilson, of Carleton College, and Dr. W. H. Wright, of the Lick Observatory, were elected members of the council.

THE committee appointed by Secretary Hoover to consider questions of policy and reorganization in connection with the transfer of the Bureau of Mines from the Department of the Interior to the Department of Commerce consist of the following: J. V. W. Reynders, president of the American Institute of Mining and Metallurgical Engineers, New York, *Chairman*; C. P. White, chief of the Coal Division of the Bureau of Foreign and Domestic Commerce, Department of Commerce, Washington, *Secretary*; H. Foster Bain, ex-director of the bureau, New York; J. G. Bradley, ex-president of the National Coal Association, Dundon, West Virginia; L. S. Cates, president of the American Mining Congress, Salt Lake City; D. M. Folsom, vice-president of the American Petroleum Institute, San Francisco; Phil Murray, vice-president of the United Mine Workers of America, Pittsburgh.

DR. THEOBALD SMITH, director of the department of animal pathology of the Rockefeller Institute, has been nominated president of the International Anti-Tuberculosis Union. At the recent Geneva meeting it was decided that the next international conference should be held at Washington, from September 30 to October 2, 1926.

GENERAL ALLEN, former American representative on the Rhineland Commission, has received the honorary degree of doctor of medicine, for his services to German public health in connection with relief work, from the University of Frankfort-on-Main.

DR. E. P. FELT, state entomologist, State Museum, Albany, N. Y., completed his thirtieth year of service on September 14.

DR. G. LAGERHEIM, professor of botany in the University of Stockholm, Sweden, having reached the age limit of sixty-five years, retired on September 1, but will continue investigations at the same institution. He is preparing a rust flora of Stockholm and vicinity.

A NUMBER of physicians in Brazil recently sent a greeting engraved on parchment to the retiring professor of neurology at Paris, Dr. Pierre Marie, expressing their appreciation of his scientific work.

PROFESSOR G. CECCARELLI, Perugia, is the recipient this year of the Zannetti prize, given by the Florence Academy of Sciences, for his works on skin grafting.

THE following appointments have been made in the organization of The Koppers Company at Pittsburgh, Pa.: F. W. Sperr, Jr., director of research; O. O. Malleis, chief chemist; H. J. Rose, assistant chief chemist.

DR. ROBIN WILLIS, instructor in the department of geology at Princeton University, has been appointed petroleum geologist for the Texas Company.

THE soil improvement committee of the National Fertilizer Association, Washington, has announced the appointment of Professor John B. Abbott, who for the past five years has had charge of soils extension work in Massachusetts, as consulting agronomist for the northeastern states.

CARL Z. DRAVES, of the University of Washington, Seattle, has accepted a position as research chemist in the Dyestuffs Technical Sales Laboratory of E. I. du Pont de Nemours & Co., Wilmington, Del.

DR. A. A. MICHELSON, professor of physics at the University of Chicago, has returned from Pasadena, where he has been carrying out experiments to determine the velocity of light. He will return to Mount Wilson next May to resume the investigations.

DR. VERNON KELLOGG, of the National Research Council, has returned from Europe where he attended meetings of the International Research Council at Brussels, the League of Nations' Committee on International Intellectual Cooperation at Geneva, and the British Association for the Advancement of Science at Southampton. While in Belgium he was made Commander of the Order of Leopold by King Albert.

DR. J. C. ARTHUR, of Purdue University, and Dr. F. D. Kern, of Pennsylvania State College, have returned from a six-weeks self-imposed mission to Europe. The purpose of the mission, which had the advice and encouragement of the National Research Council, was to consult with the leading uredinologists regarding fundamental propositions and constructive theories pertaining to the development of plant rusts. The question of improved terminology, which might obtain international approval, was also considered. Botanists of Switzerland, Germany, Sweden, Norway, Denmark and England gave frank and critical examination to the matter presented and expressed appreciation of the value of international cooperation.

DURING the summer, Professor R. M. Field, of the department of geology at Princeton University; Dr. C. E. Resser, associate paleontologist in the United States National Museum, and Dr. E. O. Ulrich, also of the National Museum, studied the early Paleozoic rocks of northwestern Europe. They traveled by automobile through Great Britain, Scandinavia, Germany and France. The expedition was a joint undertaking of Princeton University and the Smithsonian Institution.

ROY CHAPMAN ANDREWS, leader of the third Asiatic expedition of the American Museum of Natural History, has reported the safe arrival in inner Mongolia of his collection of dinosaur eggs, fossil skulls and bones, collected on his recent explorations in outlying Mongolian regions. Members of the expedition will sail on the steamer *Taft* for the United States on October 15.

DR. CURT P. RICHTER, of the Henry Phipps Psychiatric Clinic, Baltimore, and Dr. George B. Wisklocki, of the department of embryology of the Johns Hopkins University, have returned from Central America, where they studied tropical animal life; most of their time was spent at the Institute for Research in Tropical America.

DR. RADOJE M. TADITCH, director of the bacteriology laboratory of the State Hospital at Belgrade, is studying at the Johns Hopkins University under the auspices of the Rockefeller Foundation. Dr. Taditch will be assistant professor of hygiene on his return in the Belgrade Medical School.

DR. M. BODANSKY, associate professor of biological chemistry at the University of Texas school of medicine, has been granted leave of absence for 1925-1926 to accept a temporary appointment in the department of chemistry of Stanford University.

SIR ERNEST RUTHERFORD arrived in Adelaide, Australia, on September 3, and on the same day delivered a lecture at the University of Adelaide on "The structure of the atom." Sir Ernest, who is to deliver lec-

tures in the Universities of Australia and New Zealand, returns to England in January.

DR. HUGH S. TAYLOR, of Princeton University, will attend the Oxford meeting of the Faraday Society on October 1 and 2, at which a general discussion on "Photochemical reactions in liquids and gases" will be held. Dr. Taylor will read a paper at the meeting.

DR. BRAYTON H. RANSOM, chief of the zoological division of the Bureau of Animal Industry, died on September 17, aged forty-six years.

DR. JOSEPH WARREN MILLER, instructor of mathematics at the University of Pennsylvania, died by suicide on September 11, aged forty-nine years.

ELLSWORTH BETHEL, curator of the department of natural history in the Colorado State Museum and pathologist for the U. S. Bureau of Plant Industry, died on September 8, aged sixty-two years.

DR. HENRY R. CARTER, former assistant surgeon general of the United States Public Health Service and known for his work on the control of yellow fever, died on September 14, aged seventy-three years.

DR. LOUIS STARR, at one time instructor in physiology and therapeutics at the University of Pennsylvania, and more recently professor of pediatrics, died in France on September 12.

SIR FRANCIS DARWIN, formerly president of the British Association for the Advancement of Science and known for his work on plant physiology, died on September 19, at the age of seventy-seven years.

PROFESSOR OTTO LUMMER, director of the physical Institute of the University of Breslau, whose investigations dealt with interference phenomena and with the estimation of the sun's temperature, has died, aged sixty-five years.

PROFESSOR ERNST ERDMANN, director of the institute for applied chemistry at the University of Halle, died on August 19, aged sixty-eight years.

DR. ALLEN R. McCULLOCH, of the Sydney Museum, who has been in Honolulu since July 18 to attend the Pan-Pacific Fisheries Conference as a representative of the museum and the government of New South Wales, has died.

J. R. FREEMAN, consulting engineer, of Providence, has made a gift of securities valued at \$25,000 to the Boston Society of Civil Engineers for the establishment of a fund, the income of which is to be used for encouraging research by the younger engineers of the society through the award of prizes for papers on hydraulics and allied subjects.

AFTER a year's effort, approximately \$70,000 has been subscribed in the \$100,000 mathematics research endowment fund campaign conducted by the council of the American Mathematical Society. It is stated that one fourth of the sum has been subscribed by teachers of mathematics, one fourth by industrial concerns, and the remainder through sustaining and patron memberships. The campaign will be continued intensively during the fall among teachers and industrial concerns.

IN addition to the inter-sectional meeting of the American Chemical Society, the program for which is printed elsewhere in this issue, a number of other societies will meet in connection with the chemical exposition which is planned for the week of September 28 to October 3, at the Grand Central Palace, New York. Meetings which have been definitely scheduled, or are expected to be held, include meetings of the American Ceramic Society, Society of Chemical Industry, Technical Association of the Pulp and Paper Industry, the Salesmen's Association of the American Chemical Industry, the National Association of Finishers of Cotton Fabrics, and the American Institute of Chemical Engineers. Others are expected to be added to this group.

THE Lowell Institute program of free public lectures in Huntington Hall, Boston, for the season 1925-26, has been announced. The year will begin on October 2, several weeks earlier than usual, and will extend through March. There will be nine courses, embracing such subjects as international affairs, migration of birds and fishes, commerce in the Middle Ages, zoology, literature and statesmanship. Those of scientific interest include a course by Dr. Alexander Wetmore, assistant secretary of the Smithsonian Institution, on "The migration of birds," and a course of eight lectures by Dr. William T. Bovie, assistant professor of biophysics in Harvard University, subject to be announced later. Dr. Henry B. Bigelow, curator in the Museum of Comparative Zoology, Harvard University, and chairman of the North American Committee on Fisheries Investigation, will give two courses, the first on "The migrations of fishes," and the second on "Recent studies of the North Western Atlantic, physical and biologic."

A COMPLETE reproduction of the Davis-Daly mine and its adjacent workings has been presented to the department of geology of the University of Wisconsin by the Anaconda Copper Mining Company, Butte, Mont. The model, which is very large, is valued by the company at about \$10,000 and shows the vein structure of the central part of the Butte camp. The

gift was made to Professor C. K. Leith, of the department, who is planning to use it in the class and laboratory study of economic geology. Professor Leith has been doing research in cooperation with the mining company at Butte.

MISS IDA M. MELLEN, assistant to the director of the New York Aquarium, is giving a series of radio talks (Station WEAJ) on alternate Fridays, beginning June 5 and extending to December. The subjects are as follows: "The New York Aquarium and its denizens," "Goldfishes and the care of fishes in captivity," "Carps and sea horses," "Fishes that make noises and some that can live out of the water," "Eels and flounders," "Pike, pickerel and muskallunge and how to tell them apart," "Pacific salmon: fishes that bring forth their young alive and those that build nests and defend their young," "Gars and mudfish," "How much does a fish know?" "Sharks," "Poisonous and dangerous fishes and fishes of the deep sea," "Disappearing sturgeon, depleted by over-fishing, and sardines and herrings that no amount of fishing can exterminate," "What do fishes eat?" "What is the fastest fish in the sea?" and "Why is a fish?" A concluding talk will be in answer to the common question, "Is a whale a fish?"

As a result of the interest being shown in the relation of electricity to agriculture, the American Society of Agricultural Engineers at its recent meeting in Madison, Wis., established an electrical division, the chairman of which is yet to be announced. This action was taken because it was felt that the society as a body can undertake some work for which it is especially fitted, such as farm wiring, adapting farm equipment to electric drive and modification of farm machinery. The division will work in close harmony with the state committees already set up in many states by the National Committee on the Relation of Electricity to Agriculture.

UNIVERSITY AND EDUCATIONAL NOTES

DR. A. C. IVY has been appointed professor of physiology and chairman of the Division of Physiology and Pharmacology in Northwestern University Medical School. Dr. Carl Dragstedt has been elected professor of pharmacology. The following promotions have been made in the faculty: Drs. Newell C. Gilbert and William H. Holmes have been made associate professors, and Martin R. Chase, Walter H. Nadler, Lawrence H. Mayers and Leon Unger, assistant professors of medicine. Dr. Loyal E. Davis has been promoted to the rank of associate professor of surgery and has been made director of the depart-

ment of surgical research and chief of the department of neuro-surgery. Drs. Jacob R. Buchbinder, Sumner L. Koch, Paul B. Magnuson and Victor L. Schragar have been made assistant professors of surgery, and Drs. Carl F. Bookwalter and Ellison L. Ross, assistant professors of otology.

AMONG new appointments announced at the University of Chicago are those of Dr. George M. Curtis and Lester R. Dragstedt to be associate professors of surgery and Junius C. Gregory to be assistant clinical professor (military medicine) in Rush Medical College. Dr. C. Philip Miller, of the Rockefeller Institute for Medical Research, has been appointed assistant professor of medicine and Chester M. Van Allen assistant professor of surgery.

PROFESSOR G. N. ARMSTRONG, of the Ohio Wesleyan University, has been appointed head of the department of mathematics to fill the vacancy caused by the death of Professor C. B. Austin.

DR. EDWARD SAMPSON, of the U. S. Geological Survey, has been appointed assistant professor of geology at Princeton University.

DR. C. I. REED has resigned as a National Research Council fellow and as associate professor of physiology at the University of Kansas Medical School, to accept the position of associate professor of physiology at Baylor University College of Medicine, Dallas, Texas.

DR. HANNAH E. HONEYWELL has been appointed assistant professor of biological chemistry at Pennsylvania State College.

DR. CHARLES TERTZAGHI, head of the department of civil engineering in Robert College, Constantinople, has been appointed lecturer and research assistant in the department of civil engineering at the Massachusetts Institute of Technology.

DR. CHARLES RODEWALD, instructor in the department of chemistry of the University of Nebraska, has been appointed assistant professor in the department of chemistry at Washington University.

DR. CARLOS CHAGAS was recently installed in the newly founded chair of tropical medicine at the University of Rio de Janeiro.

DR. LINA STERN, formerly assistant to the professor of physiological chemistry in the University of Geneva, has been appointed to the chair of physiological chemistry in the University of Moscow.

PROFESSOR B. JANET, of the University of Rennes, has been appointed professor of differential and integral calculus at the University of Caen, as successor to Professor C. Riquier, retired.