

Frederic Swarts, professor of chemistry in the University of Ghent, Belgium, and member of the Royal Academy of Belgium. Professor Swarts is the son and successor of the successor of Kekulé in Gand. His father was Kekulé's assistant at the time (1868) Sir James Dewar worked in Gand, together with Körner, celebrated as the first to disclose the value of Kekulé's benzene symbol. Professor Swarts is distinguished as a student of the organic compounds of fluorine.

PREPARATIONS FOR THE KANSAS CITY MEETING OF THE AMERICAN ASSOCIATION

ARRANGEMENTS for the approaching annual meeting of the American Association for the Advancement of Science and associated organizations, which will be held in Kansas City from December 28 to January 2 next, are being made. Dr. A. Ross Hill is chairman of the local committee for the Kansas City meeting and the secretary of the committee is Mr. W. M. Symon, manager of the convention bureau of the Kansas City Chamber of Commerce.

The general headquarters for the American Association will be at the Muehlebach Hotel. Other hotels, furnishing adequate additional accommodations for all who attend the meeting, will be available within two blocks of this hotel.

The association is assured of the usual reduced railway rates (a fare and a half for the round trip, certificate plan, as heretofore) for many railway lines and it is expected that the reduced rates will be available for most of the United States and Canada.

Each section of the association is to have a local representative, who will look after the interests of the section and the associated societies that meet with it. The local representatives are as follows:

Section A (mathematics). Professor Eugene Mitchell, 1313 Massachusetts Ave., Lawrence, Kansas.

Section B (physics). Mr. Ben F. Eyre, 306 Land Bank Bldg., Kansas City, Mo.

Section C (chemistry). Professor Herman Schlundt, University of Missouri, Columbia, Mo.

Section D (astronomy). Dr. D. E. Haynes, University of Missouri, Columbia, Mo.

Section E (geology and geography). Dr. H. A. Buehler, Rolla, Mo., *chairman*; Mr. Vernon F. Masters, 123 Railway Exchange Bldg., Kansas City, Mo.

Section F (zoological sciences). Dr. H. H. Lane, Zoology Department, University of Kansas, Lawrence, Kans.

Section G (botanical sciences). Professor Albert Saeger, Junior College, Kansas City, Mo.

Section H (anthropology). Dr. C. A. Ellwood, University of Missouri, Columbia, Mo.

Section I (psychology). Dr. W. A. Andrews, Kansas State Agricultural College, Manhattan, Kans.

Section K (social and economic sciences). Mr. N. S. McKelvy, 1022 West 54th St., Kansas City, Mo.

Section L (historical and philological sciences). Mr. Purd Wright, Public Library, Kansas City, Mo.

Section M (engineering). Mr. J. F. Porter, President, Kansas City Power and Light Co., 1330 Grand Ave., Kansas City, Mo.

Section N (medical sciences). Dr. W. W. Duke, 1814 Federal Reserve Bank Bldg., Kansas City, Mo.

Section O (agriculture). Professor W. A. Cochel, Central Shorthorn Breeders' Association, Hotel Baltimore, Kansas City, Mo.

Section Q (education). Mr. George Melcher, 226 Library Bldg., Kansas City, Mo.

Dr. M. I. Pupin, professor of electromechanics at Columbia University, will preside over the general sessions. At the opening session on the evening of Monday, December 28, the retiring presidential address will be given by Dr. J. McKeen Cattell, editor of *SCIENCE*. Tuesday evening will be devoted to the fourth annual Sigma Xi lecture, which will this year be given by W. M. Jardine, secretary of agriculture. On Wednesday afternoon will occur the third Josiah Willard Gibbs lecture of the American Mathematical Society, which will be given by Professor James Pierpont, of Yale University. It is planned that an evening general session will be devoted to several invited papers arranged by the Committee of One Hundred on Scientific Research.

BURTON E. LIVINGSTON,
Permanent Secretary

SCIENTIFIC NOTES AND NEWS

DR. IRVING LANGMUIR, of the General Electric Company, has been awarded the Cannizzaro Prize of the Royal National Academy of the Lincei, Rome.

DR. ROSS G. HARRISON, Bronson professor of comparative anatomy and director of the Osborn Zoological Laboratory at Yale University, has been awarded a John Scott Prize of \$1,000 and a bronze medal by the Board of Directors of City Trusts, Philadelphia.

CAPTAIN WILLIAM S. EICHELBERGER, of the United States Naval Observatory, has been elected an associate of the Royal Astronomical Society.

E. F. W. ALEXANDERSON, consulting engineer of the General Electric Company, was decorated by the King of Sweden on July 2 with the Order of the North Star, the highest decoration. The decoration was part of the ceremony in connection with the official opening of Sweden's new high-powered radio station at Varberg.

ASSOCIATE PROFESSOR F. D. MURNAGHAN, of the Johns Hopkins University, has been elected a member of the London Mathematical Society.

ELMER AMBROSE SPERRY, president of the Sperry Gyroscope Company, and Samuel Insull, president

of the Commonwealth Edison Company of Chicago, versonity at its sixty-seventh annual commencement. were awarded honorary degrees by Northwestern Uni-

DR. FRANK B. JEWETT, president of the Bell Telephone Laboratories, has had conferred upon him by Dartmouth College the honorary degree of doctor of science.

THE honorary degree of doctor of science has been conferred upon Dr. John M. Dodson, professor of medicine in the Rush Medical College and editor of *Hygeia*, and upon Professor Louis H. Pammel, professor of botany at the Iowa State College, by the University of Wisconsin.

RECIPIENTS of honorary degrees conferred by the University of Michigan include the following: Professor Paul H. Hanus, of Harvard University; Dr. Edward Samuel Corwin, of Princeton University; Dr. Elwood Mead, of the Bureau of Reclamation, Washington, and Dr. Arthur R. Cushny, of the University of Edinburgh.

At the commencement exercises of Loyola University, honorary degrees were conferred on Dr. Richard Tivnen, of the American College of Surgeons; Marinasaki Chiwaki, dean of the Tokio Dental College, and Florestan Aguilar, dean of the National Dental College of Spain.

THE following members of Stanford University will retire this year under the sixty-five-year age limit rule: Professor Douglas H. Campbell, of the department of botany; Professor Charles H. Gilbert, of the department of zoology; Professor Leander H. Hoskins, of the department of applied mathematics, and Dr. George C. Price, of the department of zoology.

DR. DAVID EUGENE SMITH, professor of mathematics at Teachers College, Columbia University, will retire at the end of the first semester of 1925-26.

DR. WILFORD M. WILSON, chief of the United States Weather Bureau Station at Cornell University and professor of meteorology, has been made professor emeritus.

ABOUT two hundred physicians gave a banquet in Chicago on June 23 to Dr. Dean Lewis, who will leave in the near future for Baltimore, where he has accepted the chair of surgery at the Johns Hopkins University Medical School.

DR. P. I. WOLD, professor of physics at Union College, has been elected president of the Union College chapter of Sigma Xi.

At the ninth annual meeting of the Association for the Study of Internal Secretions at Atlantic City on May 26, Dr. J. B. Collip, of Edmonton, Alta., Canada, was elected president; Drs. Frederick S. Ham-

mett, Philadelphia, and Eugene F. Du Bois, New York, vice-presidents, and Francis M. Pottenger, Monrovia, Calif., secretary-treasurer.

DEPUTY GIUSEPPE BELLUZZO, professor at Milan Polytechnic Institute, and a well-known engineer, has been appointed minister of national economy, in the Italian cabinet.

DR. WILLIAM AUSTIN CANNON, research associate of the Carnegie Institution, stationed at the Desert Botanical Laboratory, Arizona, has been transferred to Stanford University to conduct experiments on the relation of roots and grasses to the soil and atmosphere.

At Brown University, Assistant Professor R. W. Burgess has resigned and will continue the work with the general statistical department of the Western Electric Company which he has been doing during the current year while on leave of absence.

DR. MURRAY P. HORWOOD, assistant professor of biology and public health in the Massachusetts Institute of Technology, will conduct a tuberculosis survey of Boston this summer for the Boston Tuberculosis Association.

CAPTAIN CHARLES M. ROGERS, professor of pharmaceutical chemistry and Lieutenant J. Lewis Maynard, instructor in chemistry at the University of Minnesota, both members of the United States Chemical Warfare Service, have been attending a fifteen days intensive training school for chemical warfare officers of the organized reserves, United States Army, at Fort Logan, near Denver. Captain Rogers is gas officer of the 88th division.

DEAN H. R. MANN, of the State College of Agriculture at Cornell University, has left for Europe, where he will represent the International Education Board at various scientific meetings abroad.

DR. PAUL S. WELCH, associate professor of zoology in the University of Michigan, has been granted leave of absence for the academic year 1925-1926. He will spend the year in Europe visiting the principal universities, museums, research institutes and biological stations.

DR. ALEXANDER HAMILTON RICE and the other members of the exploring party to South America returned to New York on July 10.

DR. JOHN J. ABEL, professor of pharmacology at the Johns Hopkins University Medical School, recently gave two public lectures under the auspices of the North Carolina Chapter of the Society of the Sigma Xi, on "The importance of the apparently negligible in biology and medicine."

DR. W. W. CAMPBELL, president of the University of California, gave the Halley lecture at Oxford University on June 17.

A PORTRAIT of William Harvey, discoverer of the circulation of the blood, attributed to Van Dyck, has been presented to Jefferson Medical College by Dr. J. Ackerman Coles, Newark, N. J., in memory of his father. It was a possession of Oliver Wendell Holmes, who for years was professor of anatomy at the Harvard Medical School.

PROFESSOR GILBERT VAN INGEN, since 1908 assistant professor of geology at Princeton University, died on July 9, aged fifty-five years.

UNIVERSITY AND EDUCATIONAL NOTES

THE board of trustees of Indiana University have made available sums totaling \$700,000 for improvements in the medical school and a university library. The funds to be used for the medical school were derived from a gift of \$375,000 from William E. Coleman, Indianapolis; a gift of \$6,000 from the Eli Lilly Company, of Indianapolis, and from the sale to the state of the building formerly used by the medical college, for \$100,000.

RECEIPT of a gift of \$250,000 from Mrs. Stephen V. Harkness, completing the \$1,000,000 fund raised by the Presbyterian Hospital nurses for the new school of nursing at the Presbyterian-Columbia Medical Center in New York, has been announced by the board of managers of the hospital. Mrs. Harkness's cash gifts to the medical center now total \$800,000.

By the will of the late William J. Cooper, of Camden, N. J., Swarthmore College will receive \$100,000 for the establishment of a memorial lecture fund.

GEORGE WILKINSON CASE, formerly professor of sanitary engineering at the University of Pittsburgh, has been appointed dean of the college of technology and professor of mechanical engineering.

PROFESSOR A. A. BENNETT, of the University of Texas, has been appointed professor and head of the department of mathematics at Lehigh University.

DR. C. DALE BEERS, Ph.D., Johns Hopkins University, and Dr. Harold Kirby, Jr., Ph.D., University of California, have been appointed instructors in biology at Yale University.

DR. HANNAH E. HONEYWELL, formerly of Columbia University and of the Carnegie Station for Experimental Evolution, Cold Spring Harbor, L. I., has been appointed assistant professor in agricultural and biological chemistry at the Pennsylvania State College.

DR. MARION HINES LOEB, assistant professor of anatomy at the University of Chicago, has accepted the position of associate in anatomy at the Johns Hopkins University Medical School.

DR. HALBERT DUNN, Ph.D. (Minnesota, '23), of the Mayo Clinic, has been appointed associate professor of biometrics in the School of Public Health at the Johns Hopkins University.

PROFESSOR LOUIS WADE CURRIER, assistant professor in mineralogy at Syracuse University for the past four years, has been elected to a similar position in mineralogy at the Missouri School of Mines.

DR. THOMAS ALTY, lecturer in physics at Durham, has accepted an invitation to a chair of physics in the University of Saskatchewan.

DISCUSSION AND CORRESPONDENCE THE DEMONSTRATION OF NEPHROSTOMES IN THE EARTHWORM

WITH the exception of the testes, probably the most difficult structures to demonstrate in the earthworm are the nephrostomes, or funnels of the nephridia. If the removal of a nephridium is attempted either in a living or in a preserved worm, usually the postseptal portion is the only part secured. The delicate tube is readily torn at the point where it passes through the anterior septum. As a result the preseptal part remains when the postseptal portion is removed. The form of the nephridium is difficult to make out in its normal colorless or nearly colorless condition. The following method has been used successfully to demonstrate the entire nephridium *in situ*. It also simplifies the removal of the entire organ for the purpose of making permanent whole mounts.

A solution of vital methylene blue in distilled water, concentration 1:1000, is drawn into a hypodermic syringe, or into an ordinary dropping pipette whose tip has been heated and drawn out to a fine point. A large specimen of *Lumbricus terrestris* is held firmly in the hand and the needle of the syringe or pipette pushed through the dorsal wall of the worm approximately in the region of the tenth segment. The needle is then turned to a position parallel to the dorsal surface and pushed posteriorly for a distance of ten or twenty segments. The dye is forced into the coelomic cavity with pressure sufficient to render the worm decidedly turgid in the segments affected. The needle is slowly withdrawn, pressure being maintained during the withdrawal. In this way the coelomic cavity in each of several segments becomes gorged with dye.