FOLLOWING the International Congress on Scientific Organization held in Brussels last September, a movement has been started in that city to organize a Belgian National Committee of Scientific Organization.

UNIVERSITY AND EDUCATIONAL NOTES

THE University of Rochester announces that the formal opening of its school of medicine and dentistry will be on October 25 and 26. There will be scientific medical conferences on these two days. Papers will be presented by Professor Friedrich Müller, of Munich; Dr. C. J. Martin, president of the Lister Institute of London, and by other leaders in medical science. The formal invitations will be sent out some time in September and the program will probably be complete before that date.

A GIFT of $50,000 from the estate of the late John D. Larkin, of Buffalo, N. Y., made through his son, John D. Larkin, Jr., has been announced by Lafayette College, which is to be added to a fund of $200,000 given in 1924 by Mr. Larkin for the maintenance of the department of chemistry.

DR. JOSEPH A. CUSHMAN, director of the Cushman Laboratory for Foraminiferal Research, has been appointed lecturer on micropaleontology at Harvard University. The laboratory at Sharon, Massachusetts, will be available to graduate students in the department of geology who desire to do research under Dr. Cushman's direction. This laboratory is especially designed and equipped for the investigation of foraminifera and other fossil remains of minute dimensions.

DR. GEORGE H. SMITH, of the department of bacteriology, and Dr. George E. Nichols, of the department of botany, have been promoted to full professorships at Yale University. Joshua I. I. Tracey and James H. Whittemore have been promoted to associate professorships in the department of mathematics.

AT Clark University, Dr. Charles F. Brooks has been promoted to professor of meteorology and climatology and Dr. Clarence C. Jones to associate professor of economic geography.

DR. J. EDWIN SWEET, of the University of Pennsylvania, has been appointed professor of surgical research at Cornell University Medical College and Dr. Walter C. Klotz director of the Cornell clinic and assistant professor of hygiene.

PROFESSOR W. W. SWINGLE, of Yale University, has been appointed professor of zoology and director of the museum at the University of Iowa. He succeeds Professor C. C. Nutting, who is retiring after forty years' service to devote his full time to research work.

AT the University of Pennsylvania, Dr. Eliot R. Clark, of the University of Georgia School of Medicine, has been appointed professor of anatomy; Dr. David H. Bergey has been promoted to professor of hygiene and bacteriology; Horace B. Baker to be assistant professor of zoology; Dr. Morton McCutcheon to be assistant professor of pathology; James C. Andrews to be assistant professor of physiological chemistry, and Dr. Stanley O. Chambers to be assistant professor of dermatology and syphilology.

DR. HARRY V. ATKINSON, professor of pharmacology at the University of Texas School of Medicine, has been appointed associate professor of pharmacology at Iowa State University College of Medicine. W. T. Dawson, now associate professor of physiology at Texas, has been appointed associate professor of pharmacology.

DISCUSSION AND CORRESPONDENCE

THE CONTRACTILE VACUOLE GRANULES IN AMOEBA PROTEUS

DR. MAST, in his fine paper upon "Structure, Movement, Locomotion and Stimulation in Amoeba,"[1] judges "that my observations upon the localization of the contractile vacuole function[2] were made upon inactive specimens (*i.e.*, specimens not in locomotion). It may be worth recording that the constant association of the contractile vacuole with a certain group of granules, the now vacuole appearing among the old granules, obtains in both mobile and immobile specimens, and that the phenomena were followed in all cases under high powers of the microscope, continuously for hours. I have no opinion as to the function of the contractile vacuole in Amoeba, though I followed the prevalent custom in calling the vacuole excretory and so called the granules excretory.

In *Protoopalina* there are similar (?) granules surrounding the posterior vacuole of the "excretory" system of tubules, and these granules stain differently from the cytoplasmic granules. In *Protoopalina* some of these "excretory" granules drop into the lumen of the posterior vacuole and are thrown out to the exterior when, at irregular intervals, it contracts.

In both *Amoeba* and *Protoopalina* granules resembling in size and appearance the cytoplasmic granules gather around the contractile vacuole. In *Amoeba* differential staining or extrusion of these granules has not been observed; in *Protoopalina* both differential staining and extrusion are readily seen, though prolonged observation may be necessary to catch the actual extrusion. The differential staining

[1] *Journal of Morphology*, v. 41, No. 2, March 5.
[2] *Journ. Exper. Zool.*, vol. 9, pp. 301–331.