

mg./100 cc. At lower concentrations of 8-5 mg./100 cc. there was a progressive decrease in the death rate. It is evident that even in concentrations as low as 0.005 per cent thiourea is highly toxic to *D. melanogaster*.

Following recent large-scale field spraying of DDT to destroy mosquitoes, wholesale destruction of fish and other fresh-water life was observed. It should be noted that thiourea has no such lethal action upon fish and amphibia. Immersion of young individuals of *Xiphophorus hellerii* and *Platypoecilus maculatus* in water containing 33.3 mg. of thiourea/100 cc. for periods up to five months resulted in vigorous fish which did, however, exhibit retarded growth and development (3). It has been demonstrated that animals (frogs, 4, 5, 7; and mammals, 2) retarded by thiourea will resume normal growth and development upon discontinuation of the thiourea treatment. It should be emphasized further that the nonlethal concentration employed in the fish experiment is more

than 300 per cent higher than that which yielded 100-per cent mortality in *Drosophila* larvae.

In view of these facts it was considered worth while to investigate the effects of thiourea upon mosquito larvae. The results of these tests will appear in a subsequent publication.

References

1. GINSBURG, J. M., and CAVALLITO, C. T. *J. econ. Entomol.*, 1936, **29**, 856.
2. GOLDSMITH, E. D., GORDON, A. S., and CHARIPPER, H. A. *Amer. J. Obstet. Gynec.*, 1945, **49**, 197.
3. GOLDSMITH, E. D., NIGRELLI, R. F., GORDON, A. S., CHARIPPER, H. A., and GORDON, M. *Endocrinology*, 1944, **35**, 132.
4. GORDON, A. S., GOLDSMITH, E. D., and CHARIPPER, H. A. *Nature, Lond.*, 1943, **152**, 504.
5. GORDON, A. S., GOLDSMITH, E. D., and CHARIPPER, H. A. *Growth*, 1945, **9**, 19.
6. HOSKINS, W. M., BLOXHAM, H. P., and VAN ESS, M. W. *J. econ. Entomol.*, 1940, **33**, 875.
7. HUGHES, A. M., and ASTWOOD, E. B. *Endocrinology*, 1944, **34**, 138.
8. MCGOVAN, E. R., RICHARDSON, H. H., and PIQUETT, P. G. *J. econ. Entomol.*, 1944, **37**, 139.
9. MINAEFF, M. G., and WRIGHT, J. H. *Ind. eng. Chem.*, 1929, **21**, 1187.
10. PEARL, R., ALLEN, A., and PENNIMAN, W. B. D. *Amer. Nat.*, 1926, **60**, 357.
11. WOLFENBARGER, D. O., and HOFFMAN, E. *Poultry Sci.*, 1944, **23**, 545.

News and Notes

Lee A. DuBridge, who returned to the Department of Physics at the University of Rochester in February from the NDRC Radiation Laboratory, Cambridge, has been made president of California Institute of Technology. He succeeds Dr. R. A. Millikan, who retires this spring.

T. Wayland Vaughan, of Washington, D. C., former director of the Scripps Institution of Oceanography, has been awarded the Mary Clark Thompson medal by the National Academy of Sciences. Dr. Vaughan was honored by this award "in recognition of his outstanding achievement in such purposeful and ingenious co-ordination of observations and generalizations made in and bearing on the fields of stratigraphic geology and paleontology."

Charles B. Fawcett, geographer of the University of London, will be in residence at the Clark University School of Geography during the second semester, February to May 1947. He will offer regular courses of instruction and a series of special lectures during his stay in the United States.

Arthur L. Samuel, of Bell Telephone Laboratories, New York, will become a member of the electrical engineering faculty at the University of Illinois.

Ray G. Daggs has been appointed director of research at the Armored Medical Research Laboratory, Fort Knox, Kentucky.

Jean Brachet, of the University of Brussels, has been appointed visiting professor of zoology at the University of Pennsylvania for the period January to September 1947. He will teach and conduct research in experimental and chemical embryology at the University during the spring term and work at the Marine Biological Laboratory, Woods Hole, during the summer. Thus, graduate students may work continuously with Dr. Brachet during the entire period.

Ernest Laqueur, Institute of Pharmacotherapy, Amsterdam, delivered the Seventh Harvey Lecture of the current series at the New York Academy of Medicine on 18 April 1946. Dr. Laqueur spoke on: "Interrelationships Between Gonadotropic and Sex Hormones."

R. R. McGregor, senior fellow, Mellon Institute of Science Teachers Association on 1 May 1946. Dr. McGregor spoke on "Silicones: Food for Imagination."

Announcements

Frédéric Bremer, of the University of Brussels, has written that the ship carrying the American scientific periodicals which appeared during the war struck a mine, and that the 1946 periodicals have not been received regularly. He would appreciate receipt of reprints from his American colleagues, especially on the subjects of neurophysiology, physiology of the muscle, and physiology of the circulatory system. These papers will be of great value to Prof. Bremer, as he has been asked to write an article on the general physiology of the nerve centers for the *Annual Review of Physiology*, 1947 (covering works appearing in 1945-1946).

Prof. Bremer's address is: Faculté de Médecine et de Pharmacie, Université de Bruxelles, 115 Boulevard de Waterloo, Bruxelles.

The Department of Animal Husbandry, Pennsylvania State College, is the recipient of a research grant from Sharp and Dohme. This grant is a renewal of previous grants and affords increased financial support to a research program under the direction of W. T. S. Thorp, professor of animal pathology. Dr. Thorp is making an extensive study of various sulfonamides in the treatment of infectious and parasitic diseases in livestock and poultry.

The Committee on Growth of the National Research Council, acting for the American Cancer Society, announces that it will entertain applications for grants in cancer research to become effective 1 July 1947. Applications will be received until 15 September 1946.

Applications for fellowships and senior fellowships in cancer research of the American Cancer Society for the ensuing year will be received until 1 December 1946.

To date the Committee on Growth has recommended to the American Cancer Society a total of 75 research grants and 14 fellowships. The Committee will continue to recommend support of research in the basic sciences and in clinical investigative medicine broadly pertaining to problems of growth. It will continue also to rely heavily for counsel on its advisory Divisions of Chemistry, Biology, Physics, and Clinical Investigations and their subjacent panels in specialized areas of research.

Applications for research grants for the current year will no longer be entertained. Communications should be addressed to: The Committee on Growth, Division of Medical Sciences, National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

Rohrer, Hibler & Replogle announce the opening of another regional office which is located in Suite

520, Terminal Tower, Cleveland, Ohio. J. Elliott Janney is resident partner in charge.

Five fellowships have been established by the New York State Department of Health for the training of physicians in the public health laboratory field. The appointments are for a period of one year and are open to physicians with postgraduate laboratory training who wish additional experience in pathology, bacteriology, or biochemistry to qualify for positions in the public health laboratories in New York. Candidates must be United States citizens who have graduated from a medical school approved by the American Medical Association and who are licensed or eligible to take the examination for license to practice medicine in New York State. Inquiries should be directed to the Division of Laboratories and Research, State Department of Health, Albany 1, New York.

Karl Sandved, Norges Tekniske Högskule, Trondheim, Norway, has written:

As I suppose you can imagine only too well, confinement and prison are not likely to give increased stimulus to scientific research. It was a great event for me and some five other countrymen, therefore, to receive an invitation to England by the British Council. I am just back in Trondheim again after three very interesting and busy weeks in England.

We have had, and still have, certain difficulties in our daily work in the Chemistry Department. Dr. Sörensen is the only one of our prewar professors back in office at the present moment. He had one kidney removed during the war, due to a Gestapo bullet fired through his back, when he was in for a third-degree cross-examination. Prof. Tronstad was killed up in the mountains, Prof. Rader is in the hospital, and Prof. Schmidt-Nielsen has retired. I was lucky enough, on my own part, to keep out of the reach of the Gestapo. Still we have had many encouragements, not least from across the Atlantic.—*Victor K. LaMer* (Columbia University).

Philips Technical Review, which was published monthly before the war in four languages by the Research Laboratory of N. V. Philips Gloeilampenfabrieken, Eindhoven, Holland, has resumed publication, according to an announcement by O. S. Duffendack, president of Philips Laboratories, Inc.

Dr. Duffendack explained that publication of international editions of the *Review* was forbidden by the Nazis at the beginning of 1942, although the Dutch edition was permitted to continue until July. The seventh volume, 1942, therefore consisted of only six numbers. It is planned to make these available in the English edition as soon as possible.

First issues of Vol. 8, No. 1, of the English edition, just received in this country, contain papers on: "Sintered glass," by E. G. Dorgelo; "An X-ray ap-

paratus for contact therapy," by H. A. G. Hazeu, J. M. Ledeboer, and J. H. van der Tuuk; "The measurement of impedances particularly on decimetre waves," by J. M. van Hofweegen; and "An apparatus for stroboscopic observation," by S. L. de Bruin.

Subscriptions for the *Review* are being handled exclusively in this country by Elsevier Publishing Company, 215 Fourth Avenue, New York. Yearly subscription price for 12 monthly issues is \$5.00 including postage.

A letter addressed to Prof. Frédéric Roman, successor of the late Charles Depéret as professor of geology, University of Lyon, France, was recently returned, marked "Décédé." Roman was a specialist on Cenozoic stratigraphy and mammalian paleontology.—*Horace E. Wood, II* (University of Newark).

The Department of Electrical Engineering of the Illinois Institute of Technology has announced that the Graduate Fellowship in Power Systems Engineering, which the Westinghouse Educational Foundation first established at Illinois Tech in 1945, has been re-established on a yearly basis for a period of five years, according to Louis T. Radar, chairman. Applications for this year's fellowship are being accepted by Dr. Radar and must be received by him before 1 June 1946. The final decision will be announced to all applicants by 16 June. The appointment will become effective 23 September.

One fellow will be selected each year by a joint committee representing both the Foundation and the Institute. Leading to a degree of Master of Science in Electrical Engineering, this fellowship provides a stipend of \$1,500 with all tuition fees paid for 12 months.

Meetings

The American Geophysical Union will hold its 27th annual meeting 27-29 May in the Hall of Government, George Washington University, Washington, D. C. The general meetings of the Union will consist of: an evening lecture session on the volcano, Parícutin; a business session; and an informal smoker at the Cosmos Club. In addition to business meetings, 123 papers have been scheduled for presentation in the sections on geodesy, seismology, meteorology, terrestrial magnetism and electricity, oceanography, volcanology, hydrology, and tectonophysics.

The eighth summer conference of the New England Association of Chemistry Teachers will be held 19-24 August at Middlebury College, Middlebury, Vermont. The summer conference has become an event of increasing professional importance among college and secondary school chemistry instructors.

Two symposia are to be held. A symposium on "Electrolysis" will be presented by William B. Mel-drum, Haverford College; Frank T. Gucker, Northwestern University; and John A. Timm, Simmons College. A symposium on "Colloids" will be headed by Ernst A. Hauser, Massachusetts Institute of Technology, accompanied by other well-known authorities.

Other program features include: "Silicones," by Francis J. Norton, General Electric Research Laboratories, Schenectady, New York; "Chemistry in Life Insurance," by Sidney H. Roberts, Aetna Life Insurance Company Medical Laboratory, Hartford, Connecticut; "A GI Chemist in a GI School in France," by Andrew J. Scarlett, Dartmouth College; and other papers to be announced.

Elections

The Kappa Chapter of Sigma Xi at Columbia University held its annual initiation ceremony and banquet, on the evening of 7 May, at which 53 members-elect were initiated. Officers elected for 1946 are: Walter Rautenstrauch, president; I. I. Rabi, vice-president; and John S. Karling, secretary-treasurer. Following the banquet, Edward U. Condon, director of the National Bureau of Standards, addressed the meeting on "The Liberation of Atomic Energy."

The American Society of Naturalists has elected the following officers for the year 1946: C. W. Metz, University of Pennsylvania, president; H. A. Spoehr, Carnegie Institution of Washington and Stanford University, vice-president. William R. Taylor, University of Michigan, continues as secretary, and T. M. Sonneborn, Indiana University, as treasurer.

The Utah State Chapter of the Society of the Sigma Xi held its annual business meeting on 8 April 1946. Officers elected at the meeting include: Datus M. Hammond, president; George T. Blanch, vice-president; and Carroll I. Draper, treasurer. The retiring president, J. Stewart Williams, is retained on the Executive Committee with the secretary, Marion T. Bird, who has completed the first year of a three-year term.

The Society of Neurological Surgeons elected as its new president, W. M. Craig, of the Mayo Clinic, Rochester, New York, at a meeting at Vanderbilt University, Nashville, Tennessee, on 9 April.

Recent Deaths

William E. Evans, Jr., 40, associate professor of pharmacology, University of Maryland School of Medicine, died in the University Hospital on 6 May after an illness of short duration.