

Later in the season I made a single observation on the Gray Tree Frog, *H. versicolor*, which would tend to prove that in that species, too, the female is attracted by the call of the male. In this instance a female was seen to approach a calling male from behind. The approach was very rapid and the female leaped without hesitation on his back. The male broke off his call at once, turned and embraced the female.

When the movements of individuals of other species have been studied during the breeding season, I believe it will be shown that voice plays a considerable part in bringing the two sexes together. The problem of sex retention is another one, and need not be considered here. Many, perhaps most batrachians in the tropics, breed in isolated pairs. If there were no mechanism for bringing the two sexes together, these frogs and toads would have little chance of breeding.

G. K. NOBLE

THE AMERICAN MUSEUM OF NATURAL
HISTORY, NEW YORK CITY

THE MILWAUKEE MEETING OF THE AMERICAN CHEMICAL SOCIETY

THE sixty-sixth general meeting of the American Chemical Society was held in the auditorium, Milwaukee, Wisconsin, Monday, September 10, to Friday, September 14, 1923.

Opening addresses were given by Clare H. Hall, chairman of the Milwaukee Section of the American Chemical Society; Honorable Daniel W. Hoan, mayor of Milwaukee; Honorable Emmanuel Philipp, president Milwaukee Association of Commerce, and Rev. Albert C. Fox, President Marquette University. Dr. E. C. Franklin responded on behalf of the Society.

Two general addresses were the feature of the Tuesday morning session as follows:

Charles F. Burgess, director of the Burgess Laboratories. "Marketing Chemical Discoveries."

Arthur I. Kendall, dean of the Medical School, Northwestern University. "Bacteria and the Chemist."

The previous custom of having general addresses in the afternoon session was abandoned and instead thereof three special meetings of the more fundamental divisions of Physical and Inorganic Chemistry, Organic Chemistry and Chemical Education were held with papers especially selected to meet the needs of all chemists present.

On Tuesday evening a complimentary dinner and entertainment was given to the members and guests by the Milwaukee Section. Approximately one thousand sat down to this dinner. The program consisted of songs, dancing and instrumental music.

On Wednesday at 8 p. m., a reception was held at

the Marquette University gymnasium followed by public addresses by Mrs. Thomas G. Winter, president General Federation of Women's Clubs, and the annual address of the president of the society. President Franklin took as his subject, "Systems of Acids, Bases and Salts." Past President Edgar F. Smith presented the Priestley Medal *in absentia* to Professor Ira Remsen.

On Thursday evening group dinners and college reunions were held and the members also attended a very interesting and lively amateur boxing contest at the Milwaukee Athletic Club.

A special program consisting of dinners, automobile drives, etc., was arranged for the ladies and a complimentary dinner was given to the wives of the councilors on Monday evening.

Wednesday and Thursday were otherwise given up wholly to divisional meetings.

The following Divisions and Sections met: Divisions of Agricultural and Food Chemistry, Biological Chemistry, Cellulose Chemistry, Dye Chemistry, Fertilizer Chemistry, Industrial and Engineering Chemistry, Leather Chemistry, Chemistry of Medicinal Products, Organic Chemistry, Petroleum Chemistry, Physical and Inorganic Chemistry, Rubber Chemistry, Sugar Chemistry, Water, Sewage and Sanitation; Sections of Chemical Education, Gas and Fuel Chemistry, and History of Chemistry.

The divisions elected officers as follows:

DIVISION OF AGRICULTURAL AND FOOD CHEMISTRY: *Chairman*, C. H. Bailey; *Vice-chairman*, E. F. Kohman; *Secretary*, C. S. Brinton; *Executive Committee*, G. E. Holm, J. W. Read, R. H. Carr.

DIVISION OF BIOLOGICAL CHEMISTRY: *Chairman*, W. T. Bovie; *Secretary*, R. A. Dutcher.

DIVISION OF CELLULOSE CHEMISTRY: *Chairman*, G. J. Esselen, Jr.; *Vice-chairman*, Louis E. Wise; *Secretary-Treasurer*, L. F. Hawley; *Executive Committee*, The Officers ex-officio and Harold Hibbert, A. W. Scharger.

DIVISION OF DYE CHEMISTRY: *Chairman*, W. J. Hale; *Vice-chairman*, R. E. Rose; *Secretary*, R. Norris Shreve; *Executive Committee*, L. A. Olney, L. F. Johnson.

DIVISION OF FERTILIZER CHEMISTRY: *Chairman*, F. B. Carpenter; *Vice-chairman*, R. N. Brackett; *Secretary*, H. C. Moore; *Executive Committee*, H. J. Wheeler, C. H. Jones, E. W. Magruder and A. J. Patten.

DIVISION OF INDUSTRIAL AND ENGINEERING CHEMISTRY: *Chairman*, D. R. Sperry; *Vice-chairman*, W. A. Peters; *Secretary*, E. M. Billings; *Executive Committee*, W. K. Lewis, C. E. Davis, E. R. Weidlein, C. S. Miner, C. E. Coates.

DIVISION OF LEATHER AND GELATIN CHEMISTRY: *Chairman*, John Arthur Wilson; *Vice-chairman*, F. P. Veitch; *Secretary*, Arthur W. Thomas; *Executive Committee*, I. D. Clarke, L. M. Tolman.

DIVISION OF CHEMISTRY OF MEDICINAL PRODUCTS: *Chairman*, E. H. Volwiler; *Secretary*, H. A. Shonle; *Executive Committee*, E. B. Carter, Frank O. Taylor.

DIVISION OF ORGANIC CHEMISTRY: *Chairman*, R. R. Renshaw; *Secretary*, J. A. Nieuwland.

DIVISION OF PETROLEUM CHEMISTRY: *Chairman*, R. R. Matthews; *Vice-chairman*, R. E. Wilson; *Secretary*, W. A. Gruse; *Executive Committee*, E. W. Dean, W. F. Faragher.

DIVISION OF PHYSICAL AND INORGANIC CHEMISTRY: *Chairman*, Graham Edgar; *Vice-chairman*, Arthur Hill; *Secretary*, H. B. Weiser; *Executive Committee*, R. E. Wilson, G. S. Forbes, A. W. Browne, C. E. Coates, H. Schmidt.

DIVISION OF RUBBER CHEMISTRY: *Chairman*, E. B. Spear; *Vice-chairman*, C. R. Boggs; *Secretary*, A. H. Smith; *Executive Committee*, Winfield Scott, W. B. Wiegand, Ira Williams, L. B. Sebrell, H. B. Pushee.

DIVISION OF SUGAR CHEMISTRY: *Chairman*, F. W. Zerban; *Vice-chairman*, H. W. Dahlberg; *Secretary-Treasurer*, Frederick Bates; *Executive Committee*, C. E. Coates, W. B. Newkirk, J. S. Osborne, H. Z. E. Perkins, M. J. Proffitt, J. R. Withrow.

DIVISION OF WATER, SEWAGE AND SANITATION CHEMISTRY: *Chairman*, W. W. Skinner; *Vice-chairman*, F. W. Mohlman; *Secretary*, F. R. Georgia; *Executive Committee*, A. L. Fales, A. M. Buswell.

Actions taken by the Council included the following:

H. E. Howe, chairman of the committee on Garvan Chemical Prizes for secondary schools, outlined the gift of \$10,000 from Mr. and Mrs. Francis P. Garvan and the preliminary work and future plans of the committee. It was voted to adopt the report and to instruct the secretary to express the Society's hearty thanks and appreciation to Mr. and Mrs. Garvan for their splendid gift.

Edgar F. Smith presented a report of his conference with the officials of the Allied Chemical and Dye Corporation regarding the \$25,000 prize previously announced.

It was voted to authorize the Section of Chemical Education to form a Division of Chemical Education.

The following new fellowships and continuation of annually awarded fellowships were announced:

The Hammermill Paper Company has given a fellowship of \$1,200 to the New York State College of Forestry, to be known as the "Hammermill Fellowship in Pulp and Paper Manufacturing."

The Grasselli Chemical Company has renewed its fellowship for \$750 and scholarship for \$500 in the Massachusetts Institute of Technology.

The du Pont Company has also renewed its fellowship in the Massachusetts Institute of Technology.

The Public Health Institute of Chicago has renewed its twelve \$500 research fellowships in chemistry at Northwestern University, and in order to preserve the time of the fellows for research, the same institute has made an additional annual appropriation of \$3,000 for

the support of a special laboratory for the preparation of research intermediates not available on the market.

The National Lime Association has awarded a \$1,000 fellowship at the Massachusetts Institute of Technology.

The du Ponts, the National Lime Association and the Grasselli Chemical Company have renewed their fellowships at the Ohio State University.

A. F. Gallun and Sons have renewed their annual grant of \$5,000 for leather chemistry research to Arthur W. Thomas at Columbia University.

A research fund of \$3,600 has been provided for research in plasticity at Lafayette College for 1923-24 by the du Pont Company.

The Palm Olive fellowship of \$2,000 on the detergent action of soap has been awarded to Paul H. Fall, who will work under Dr. Bancroft at Cornell University.

The Fleischmann Company has renewed its fellowship at the University of Minnesota.

The Stretmann Biscuit Company, of Cincinnati, Ohio, has given a fellowship of \$1,000 to the University of Minnesota for the study of the chemistry involved in the cracker manufacture.

The following resolution presented by Professor E. C. Bingham, chairman of the Metric System Committee, was adopted:

All articles relating to laboratory tests of procedure published in any of the journals of the American Chemical Society shall contain dimensions expressed metrically. Other equivalents may be added where the author so desires.

A. B. Lamb was reelected editor of the *Journal of the American Chemical Society*, H. E. Howe, editor of *Industrial and Engineering Chemistry*; W. A. Noyes, editor of *Scientific Monographs*, and H. E. Howe, editor of *Technologic Monographs*.

The *ad interim* report of the finance committee was accepted. It showed estimated receipts and expenditures of about \$302,000 for the year.

The committee on intersectional meetings reported progress and was continued.

The committee on classified membership reported progress and was continued.

It was voted to establish a local section with headquarters at State College, Pennsylvania, as soon as the requirements have been met by the chemists petitioning.

It was voted that the council encourage the holding of intersectional meetings with Section C of the American Association for the Advancement of Science.

The invitation to hold the Spring Meeting of 1924 in Washington, D. C., was accepted.

The invitation to hold the fall meeting of 1924 in Ithaca, N. Y., was accepted.

A vote of thanks was passed to those in Milwaukee who had made the meeting so successful.

CHARLES L. PARSONS,
Secretary