

LITERATURE CITED

- BERGROTH, E. 1924. On the Isometopidae (Hem. Het.) of North America. Not. Ent. 4:3-9.
- BERGROTH, E. 1925. On the "annectant bugs" of Messrs. McAtee and Malloch. Bull. Brooklyn Ent. Soc. 20:159-64.
- BLATCHLEY, W. S. 1926. Heteroptera or true bugs of eastern North America, with especial reference to the faunas of Indiana and Florida. Nature Publ. Co., Indianapolis. 1116 p.
- FROESCHNER, R. C. 1949. Contribution to a synopsis of the Hemiptera of Missouri, Pt. IV. Hebridae, Mesoveliidae, Cimicidae, Anthocoridae, Cryptostemmatidae, Isometopidae, Miridae. Amer. Midl. Nat. 42: 123-88.
- HESSE, A. J. 1947. A remarkable new dimorphic isometopid and two other new species of Hemiptera predacious upon the red scale of citrus. J. Ent. Soc. South Africa. 10:31-45.
- JORDON, K. H. C. 1941. VIII. Teil, 17. Familie: Isometopidae Fieb. 1860. In Gulde, J. 1933-1956. Die Wanzen Mitteleuropas. Hemiptera Heteroptera Mitteleuropas. Otto H. Wrede, Frankfurt a. M.
- MALDONADO-C., J. 1969. The Miridae of Puerto Rico (Insecta, Hemiptera). Univ. Puerto Rico Tech. Paper No. 45:1-133.
- MCATEE, W. L., AND J. R. MALLOCH. 1924. Some annectant bugs of the superfamily Cimicoideae (Heteroptera). Bull. Brooklyn Ent. Soc. 19:69-83.
- MCATEE, W. L., AND J. R. MALLOCH. 1932. Notes on the genera of Isometopinae (Heteroptera). Stylops 1:62-70.
- WHEELER, A. G., JR., AND T. J. HENRY. 1976. Biology of the honeylocust plant bug, *Diaphnocoris chlorionis*, and other mirids associated with ornamental honeylocust. Ann. Ent. Soc. Amer. 69:1095-104.



BOOK REVIEW

ANIMAL COMMUNICATION, 2nd ed. Hubert and Mable Frings. 1977. University of Oklahoma Press, Norman. 207 p. \$4.95 (paperback). This book first appeared in 1964. The title page of the present edition reads, "Second Edition, Revised and Enlarged." Comparing the second edition with the first, I found no changes in the first 10 of the 11 chapters; only the final chapter and bibliography had been updated.

Even though the illustrative examples are not as current as they were in 1964, the book remains a useful, nontechnical introduction to animal communication. Its most significant deficiency is its failure to explain some of the subtler aspects of communication that are today the center of attention for many biologists. For example, the Fringses stress that signals exchanged by sexual partners prior to mating insure that the individuals are of the same species, but only obliquely refer to the fact that individuals of one sex (females in most species) can benefit by requiring considerably more of a mating partner than that it be of the proper species. Furthermore, individuals of the other sex can benefit by deceiving potential partners as to their satisfying such requirements or by intercepting potential partners who are approaching truthfully signalling individuals.

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