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BOOK REVIEW

The Sand Flies (*Culicoides*) of Florida (Diptera: Ceratopogonidae), 1979. F. S. Blanton and W. W. Wirth. (Vol. 10 in the series Arthropods of Florida and Neighboring Areas). Florida Department of Consumer Services. 204 pp.

This substantial monograph is the latest in an extraordinary flow of important taxonomic contributions that collaboration between these authors has produced over the years. The publication has been very well prepared by the publisher.

There is an extensive introductory section preceding the formal descriptions of species. In addition to sections on historical, economic importance, disease transmission and control aspects, the biology section includes information under 8 subheadings. Colonization is discussed as well as methods of collection and morphology. Particularly interesting is a brief but illustrated account of the geography and

life zones of Florida. Each section is in the form of a review, with important references contributing to a total of about 350 in the entire monograph.

There are 4 keys: to females, male genitalia, known pupae and known (mature) larvae. Also, there are 4 very useful diagnostic tables for quick identification, for the same stages. A total of 45 species is described with illustrated distributional records both in detail within Florida, and also for the U.S. and adjacent territories through the central Americas and Caribbean.

This is an important publication which will be a valuable acquisition for concerned workers in the eastern U.S. and Caribbean regions. The standard of publication has, fortunately, done justice to the content.

—J. R. Linley