ECTOPARASITES COLLECTED FROM THE OVENBIRD
(Seiurus aurocapilla) ON VACA KEY, FLORIDA

LAWRENCE J. HRIBAR
Florida Keys Mosquito Control District, 503 107th Street, Marathon, Florida 33050

The quill mite, Syringophiloidus seiurus (Clark) (Prostigmata: Syringophilidae) and the louse fly Ornithoctona fusciventris (Wiedemann) (Diptera: Hippoboscidae) are among the very few records of ectoparasites from the Ovenbird, Seiurus aurocapilla from Florida (Forrester and Spaulding 2003). On the 17th of November 2011, an Ovenbird was found dead outside a building on Vaca Key in Marathon, Florida (24.729984, -81.039438), apparently having collided with a plate glass window. The bird was handled and feather mites recovered and prepared for study in the same manner as were the specimens examined by Hribar and Miller (2011).

Only twenty-five feather mites were recovered. Slide mounts were examined via phase contrast microscopy and then sent to a specialist for identification. Three mite species were recovered, two Proctophyllodidae (Proctophyllodes sp., Amerodectes sp.) and one Trouessartiidae. Unfortunately no specimens were readily identifiable to species. One female mite was identified as Proctophyllodes sp. Females of this genus are very difficult to identify to species, however, Proctophyllodes breviquadratus Atyeo and Braasch is known from Ovenbirds (Atyeo and Braasch 1966). One male and three female Amerodectes were not identifiable to species and may represent an undescribed species. Amerodectes mites are found on a variety of birds in the New World, viz., Apodiformes: Apodidae; Passeriformes: Cardinalidae, Emberizidae, Furnariidae, Hirundinidae, Icteridae, Parulidae, Thraupidae, and Turdidae (Valim and Hernandes 2010). The two male and two female Trouessartia mites appear to be conspecific with mites found on Ovenbirds in Alberta, Canada, and also represent an undescribed species (H. Proctor, pers. comm.). Mites of the genus Trouessartia are found on passerines worldwide (Santana 1976). All mites were deposited into the Florida State Collection of Arthropods (E2012-5086).

One female louse fly (Diptera: Hippoboscidae) was recovered from the bird. The fly was tentatively identified as Microlynchia furtiva Bequaert. The specimen has been deposited into the Florida State Collection of Arthropods, Gainesville (E2012-5085). The only host record for this louse fly species is a Tinamou (Crypturellus sp.) in “British Honduras” (modern Belize) (Bequaert 1955, Maa 1969). Tinamous are ground-dwelling birds that feed on fruits, seeds, and insects, primarily ants (Lancaster 1964); Ovenbirds also are ground dwellers that feed on invertebrates, primarily ants (Kale and Maehr 1990, Brown and Sherry 2006). Ovenbirds overwinter in Belize, among other places, (Mills and Rogers 1992). The possibility exists that the louse fly may encounter Tinamous and Ovenbirds in the same habitat. Almost nothing is known of the biology of this fly; Couch (1963) studied the biology of a related species, the more commonly collected species Microlynchia pusilla (Speiser). Microlynchia pusilla has a broad host range, parasitizing birds in eight orders, ten families and nineteen genera (Maa 1969, McClure 1984, Tella et al. 2000). It is possible that M. furtiva has a similarly broad host range. Microlynchia pusilla also is believed to be a vector of Haemoproteus columbae Kruse, a blood parasite of pigeons and doves (Herman 1954). It is conceivable that M. furtiva may also serve as a vector of pathogens of birds.
Given the wide geographic distribution of the Ovenbird, from Canada to South America and the Caribbean (Tikasingh and Ffrench 1973, Bayne and Hobson 2002), and that it is subject to parasitism by Brown-headed Cowbirds, *Molothrus ater* (Hersek et al. 2002), it would be interesting to conduct a parasitological survey of the Ovenbird and its nests throughout its geographic range. Doubtless other interesting associations remain to be discovered.

ACKNOWLEDGMENTS

I thank Heather Proctor, University of Alberta, for identifying the mites, and Carl Dick, Western Kentucky University, for identifying the louse fly. William Grogan, Florida State Collection of Arthropods, provided copies of important papers.

LITERATURE CITED


