

**A NOTE ON THE IDENTITY OF *STRIGIPHILUS*
BARBATUS (Osborn)**

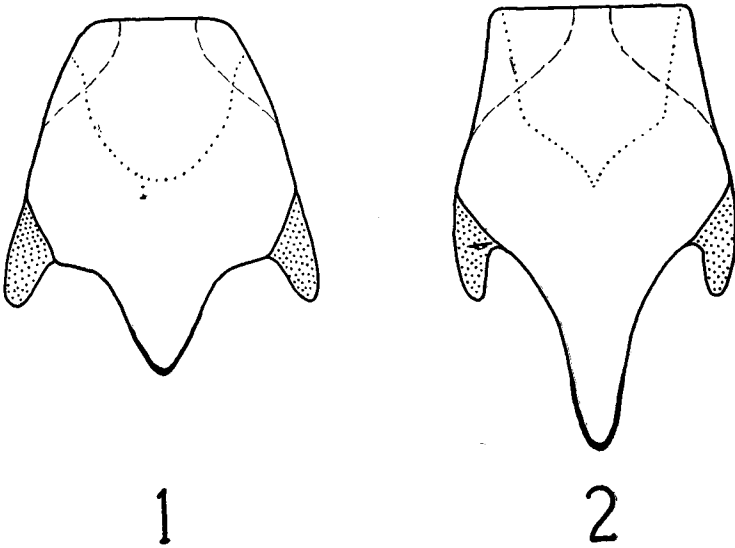
K. C. EMERSON
Stillwater, Oklahoma

Osborn, in 1902 (*Ohio Nat.*, 2:201, pl. 14, fig. 1), described *Docophorus barbatus* from a series supposedly collected on the Rusty Blackbird. In his description he noted the similarity between this species and *Docophorus speotyti* Osborn=*Strigiphilus speotyti* (Osborn) found on the Western

Burrowing Owl, thus indicating that its true host was probably one of the Owls. Through the courtesy of Dr. J. N. Knull, Ohio State University, five cotypes of *Docophorus barbatus* Osborn were examined to determine its present status.

The cotypes agree in all details with material in the author's collection taken from *Asio otus wilsonianus* (Lesson), the Long-eared Owl. This host is found in Nebraska where Osborn's material originated. The species belongs to the genus *Strigiphilus* and does closely resemble *S. speotyti* (Osborn), but can be separated from it by size, and differences in the dorsal anterior plate of the forehead. Length of the head, in the male, is 0.7 mm and width is 0.62 mm in *barbatus*; while in *speotyti*, the head of the male is 0.61 mm in length and 0.50 mm in width. Differences in the dorsal anterior plate of the forehead are shown in figures 1 and 2. These figures are drawn to the same scale. The male genitalia of the two species are similar, with a corresponding difference in size.

Eichler, in 1949 (Beitr. tax. Zool., I:12, pl. 1, figs. 1-12), described *Neodocophorus asionis* from material collected from *Asio otus canariensis* Madarasz. His description and illustrations agree with the cotypes of *S. barbatus* and the form is therefore placed in synonymy of *Strigiphilus barbatus* (Osborn).



EXPLANATION OF FIGURES

1. *Strigiphilus speotyti* (Osborn), dorsal anterior plate of forehead, female.
2. *Strigiphilus barbatus* (Osborn), dorsal anterior plate of forehead, female.

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**NOTES ON TWO SPECIES OF *GONIODES*
(MALLOPHAGA)**

K. C. EMERSON
Stillwater, Oklahoma