

REDESCRIPTION OF *SCHIZOSTHETUS LYRIFORMIS* (McGraw and Farrier, 1969) (PARASITIFORMES: PARASITIDAE), WITH REVISION OF THE GENUS

Fahad Al-Atawi,^{1,2} Hans Klompen¹ and John C. Moser³

1. Acarology Laboratory, Department of Entomology, Ohio State University, 1315 Kinnear Rd., Columbus, OH 43212-1192, USA; 2. Current address: Department of Entomology, Kansas State University, 123 Waters Hall, Manhattan, KS 66506, USA; 3. USDA Forest Service, Southern Research Station, 2500 Shreveport Hwy., Pineville, Louisiana 71360, USA.

ABSTRACT - *Schizosthetus lyriformis* (McGraw and Farrier, 1969) is redescribed for all instars, emphasizing ontogenetic changes in sensillar and gland patterns of all body parts. This approach allows recognition of some previously unreported patterns. Major positional shifts of lyrifissures over ontogeny appear correlated with the formation of the peritremes, and some setae of leg tarsi II-IV are unexpectedly variable in both shape and presence. In addition, the two remaining members of the genus are briefly redescribed, with a new diagnosis for the genus. *Schizosthetus* is strongly associated with bark beetles, with a geographic range matching that of their most common hosts.

Key words - Mesostigmata, Parasitidae, *Schizosthetus*, bark beetles, development.