

A NEW EASTERN UNITED STATES *PSALLUS* FIEBER
(HETEROPTERA: MIRIDAE) FROM
PHYSOCARPUS (ROSACEAE)

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Abstract.—*Psallus physocarpi*, n. sp., is described from New York and Pennsylvania on *Physocarpus opulifolius* (L.). Photographs of the adult female and figures of male genitalia are provided. Characters are given to separate *P. physocarpi* from *P. amorphae* Knight, its nearest known relative.

The following new species of phyline mirid is described to provide a name to be used in a forthcoming paper on the insects associated with ninebark *Physocarpus opulifolius* (L.) Maxim. (Rosaceae), by A. G. Wheeler, Jr. Pennsylvania Department of Agriculture, Harrisburg (PDA), and E. Richard Hoebeke, Department of Entomology, Cornell University, Ithaca, N.Y.(CU).

The genera *Plagiognathus* Fieber and *Psallus* Fieber are in great need of revision in North America. The generic limits, as defined by Knight (1941), are often difficult to interpret, with only the type of pubescence on the propleura "clearly" separating them (simple setae vs. sericeous or scalelike setae, respectively). Several species of *Psallus* have body forms remarkably similar to *Plagiognathus* and, if rubbed, are impossible to separate from the latter, viz. *Psallus parshleyi* Knight. Male genitalia seem to offer good specific differences and may prove valuable for separating the two genera or, at least, species groups within them; female genitalia are extremely simplified and only appear to confirm that the two taxa are closely related.

In this paper, I describe the new species *physocarpi* in the genus *Psallus* as characterized by the strongly flattened scalelike setae on the propleura and dorsum. Photographs of the dorsal and lateral views of the adult and figures of male genitalia are provided to facilitate recognition.

Psallus physocarpi Henry, NEW SPECIES

Figs. 1-3

Holotype male.—Length 3.36 mm (range of lengths and average length for paratypes: 3.28-3.60 \bar{x} = 3.42, n = 10), width 1.40 mm. *Head*: Width