

SCIENTIFIC NOTE

**ACERPENNA SULFUROSUS, COMB. N.
(EPHEMEROPTERA: BAETIDAE)¹**N. A. Wiersema²

Day (1954) established the species *Baetis sulfurosus* Day for a large number of adult male mayflies collected within the region of Sulphur Creek in Sonoma County, California. To date, larvae have yet to be associated. Examination of the holotype and paratype material indicated that this species is more properly placed within the Nearctic genus *Acerpenna* Waltz & McCafferty [*Acerpenna sulfurosus* (Day), comb. n.], not *Baetis* Leach.

Among North American Baetidae fauna only the species of *Acerpenna* possess the following combination of features: forewings with double marginal intercalaries; relatively narrow hindwings, with an undulate costal border and often three longitudinal veins; a male subgenital plate roughly in the form of a conical process (difficult to see in older specimens); and elongate apical segment of the male forceps (Waltz and McCafferty 1987). *Acerpenna sulfurosus* is consistent in all features outlined above and is therefore transferred from *Baetis* to *Acerpenna*.

Although the reasoning for the above action is essential equivalent to that of McCafferty (1999), the adult type material of *A. sulfurosus* has been examined, allowing a more comprehensive comparison of this species and that of *Acerpenna pygmaea* (McDunnough).

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LITERATURE CITED

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