



A New Synonymy in *Baetis*: *Baetis nexus* Navás, 1918 is the Valid Name of *Baetis pentaplebodes* Ujhelyi, 1966 (Ephemeroptera: Baetidae)

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Abstract

After a study of the type material of *Baetis nexus* Navás, 1918 and a comparison with Hungarian specimens of *Baetis pentaplebodes* Ujhelyi, 1966 it is concluded that the two nominal species are synonyms and that *B. nexus* is the valid name.

Keywords: Taxonomy, Ephemeroptera, Baetidae, *Baetis pentaplebodes* Ujhelyi, 1966, *B. nexus* Navás, 1918.

Introduction

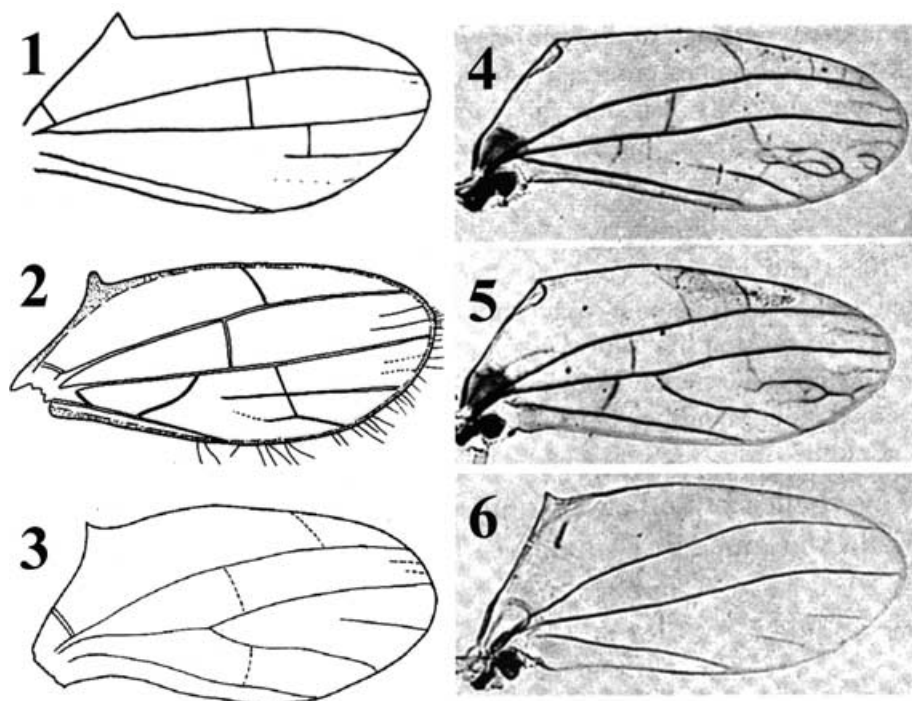
In a previous paper the European species of the genus *Baetis* described by the Jesuit Navás were revised (Alba-Tercedor, 1984). At that time, after a study of the only existing type specimen of *Baetis nexus* Navás, 1918, a male subimago (Alba-Tercedor & Peters, 1985), it was pointed out that the species is very close to *B. pentaplebodes*.

Baetis nexus Navás, 1918 = *Baetis pentaplebodes*
Ujhelyi, 1966 (Figs. 1–6)

Baetis nexus Navás, 1918, pp. 38–39, Fig. 1.

Baetis pentaplebodes Ujhelyi, 1966, pp. 206–210, Figs. 1–3.

According to Alba-Tercedor (1984) the proposed synonymy is justified by the following: (a) the shape and venation of the hind wings are similar (Figs. 1–6); and (b) the general coloration, as well as the spots on the abdominal tergites of the type of *B. nexus* are similar to those of the winged stages of *B. pentaplebodes* (as described originally by Ujhelyi, 1966 and Müller-Liebenau, 1969); they are also present on the nymphs (see Müller-Liebenau, 1969, p. 141, Fig. 103).



Figures 1–6. Hind wings of *Baetis nexus* Navás (1–2) and *B. pentaplebodes* Ujhelyi (3–4): (1) After Navás, (1918, Fig. 1); (2) Drawing from the typus (see Alba-Tercedor, 1984); (3) After Ujhelyi (1966, Fig. 1); (4–6) After Müller-Liebenau (1969, Fig. 107).

Despite these agreements no synonymy was proposed until a study was made of male *B. pentaplebodes* subimagines. Since then, we had the opportunity to study material of *B. pentaplebodes* kindly provided by the late Prof. Ujhelyi. It is now possible to ensure that both nominal species are actually synonyms. Therefore, *Baetis pentaplebodes* becomes a junior synonym of *B. nexus*.

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