

NOTE

NOMENCLATURAL CHANGES IN THE TEPHRITIDAE (DIPTERA)

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The purpose of this note is to report two new replacement names for two junior homonyms that were inadvertently created by us and three generic synonymies of which two are new and one is justified here for the first time.

1. Merz (1992:235) described *Tephritis sauteri* from Switzerland. This is a junior primary homonym of *Tephritis sauteri* Enderlein (1911:456) from Taiwan, which is now placed in *Pliomelaena* Bezzi. The Swiss species is therefore renamed *Tephritis sauterina* Merz, **nomen novum**.

2. Freidberg and Kaplan (1992:68) described *Oedaspis montana* from Mt. Kenya. This is a junior primary homonym of *Oedaspis montana* Snow (1894:163) described from Montana, USA and presently placed in *Procecidochares* Hendel. The Kenya species is therefore renamed *Oedaspis fini* Freidberg, **nomen novum**, where "fini", a noun in apposition, is the first name of the second author (Kaplan) in the paper in which the homonym was created.

3. Rondani (1870:121) erected *Campiglossa*, with type species *Tephritis irrorata* Fallen. We here suggest two junior synonyms to *Campiglossa*: *Paroxyyna* Hendel, 1927:146 (type species *Trypeta tessellata* Loew, 1844) and *Whiteina* Korneyev, 1989:460, **n. syn.** (type species *Paroxyyna loewiana* Hendel, 1927). The main differences between *Campiglossa* and *Paroxyyna* are the shape of the head, the length of the labellum and the shape of the glans of the distiphallus (Hendel, 1927; Korneyev, 1989). The suggested differences between *Cam- piglossa* and *Whiteina* are the color of some setae and the shape of the glans of the distiphallus (Korneyev, 1989). A study of the type species and a large number of other species of these three genera from all zoogeographic regions, shows that these characters are too variable and inconsistent within the genera, intergrade between the genera, and that transitional forms exist. Consequently, no clear distinction can be maintained between the three genera, and the oldest name, *Campiglossa*, is suggested as senior synonym of both *Paroxyyna* and *Whiteina*. The synonymy between *Paroxyyna* and *Campiglossa* was already suggested, although without explanation, by Merz (1994).

4. Wang (1990) described a new genus and species, *Acrorellia sinica* Wang, from Mongolia. Through his kindness, it was possible for us to examine specimens of this very characteristic species, including the terminalia of both sexes. Based on this examination, it is evident

that *Acrorellia* Wang and *Tephritis* Latreille (e.g., sensu Freidberg and Kugler, 1989) share the same diagnostic characters. As a consequence, *Acrorellia* Wang is reduced here to a junior synonym of *Tephritis* (**n. syn.**). *T. sinica* (Wang) bears some superficial similarity to the West Palearctic *T. postica* (Loew) in size, blunt apex of aculeus, and banded wing pattern. However, the wing pattern of *T. sinica* is more decisively banded, with a larger number of more discrete bands.

REFERENCES

- Enderlein, G.** 1911. Trypetiden-Studien. *Zoologische Jahrbücher* 31:407–460.
- Freidberg, A. and Kaplan, F.** 1992. Revision of the Oedaspidini of the Afrotropical Region (Diptera: Tephritidae: Tephritinae). *Annals of the Natal Museum* 33(1):51–94.
- Freidberg, A. and Kugler, J.** 1989. Fauna Palaestina, Insecta IV — Diptera: Tephritidae. The Israel Academy of Sciences and Humanities, Jerusalem. 212 pp.
- Hendel, F.** 1927. 49. Trypetidae. In: Die Fliegen der palaearktischen Region. Vol. 5(1). Edit. E. Lindner E. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart. pp. 1–221.
- Korneyev, V.A.** 1989. A review of *Sphenella* and *Paroxyna* series of genera (Diptera, Tephritidae, Tephritinae) of Eastern Palaearctic. *Insects of Mongolia* 11:395–470 (in Russian).
- Merz, B.** 1992. Fünf neue Fruchtfliegenarten aus den Schweizer Alpen und systematische Bemerkungen zu einigen europäischen Gattungen und Arten (Diptera, Tephritidae). *Mitteilungen der schweizerischen entomologischen Gesellschaft* 65:227–239.
- Merz, B.** 1994. Diptera, Tephritidae. *Insecta Helvetica, Fauna* 10:1–198.
- Rondani, C.** 1870. Ortalidinae Italicae collectae, distinctae et in ordinem dispositae. Dipterologiae Italicae prodromi Pars VII, Fasc. 4 (sect. 2). *Bulletino della Società Entomologica Italiana* 2:105–133.
- Snow, W.A.** 1894. Descriptions of North American Trypetidae, with notes. *The Kansas University Quarterly* 2:159–174.
- Wang, X.-j.** 1990. New genus and species of Tephritinae (Diptera: Tephritidae) from Inner Mongolia, China. *Entomotaxonomia* 12(3–4):291–304.