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A Revision of the *rhopalocerus* Species Group of *Bembecinus*Costa: An Addendum (Hymenoptera: Crabronidae: Bembicinae)

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Bembecinus priesneri Schmid-Egger, 2004 is newly synonymized with Bembecinus somalicus (Arnold, 1940). The range of the rhopalocerus species group is extended north to Gebel Elba in southeastern Egypt.

Herr Christian Schmid-Egger, in his e-mail of 30 April 2015, drew my attention to the fact that his species Bembecinus priesneri was probably a member of the rhopalocerus species group and that it was not treated in a recent revision of the group by F. Gess, W. Pulawski, and S. Gess (2015). He subsequently sent me the holotype of priesneri, a male, for examination. The study of this specimen (Fig. 1) as well as of a female from the California Academy of Sciences collection determined by him clearly demonstrated that priesneri is a junior synonym of somalicus. Both specimens show the characteristics of the rhopalocerus group as defined in the above publication (see p. 210, in key, 1b + 2b + 3a), as well as a unique color pattern of somalicus, and they otherwise fully agree with that species. This discovery results in two points:

1. The full synonymy of *Bembecinus somalicus* is as follows:

Stizus quadristrigatus race somalicus Arnold, 1940:116, ♀. Holotype: ♀, Somalia: Warderi, now Ethiopia: Warder (SAM).— As Bembecinus quadristrigatus somalicus: R. Bohart and Menke, 1976:532 (new combination, new status, in checklist of world Sphecidae).—As Bembeci-

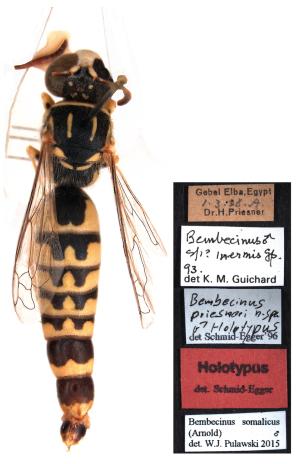


FIGURE 1. Holotype of *Bembecinus priesneri* Schmidt-Egger, 2004, and associated labels.

- *nus somalicus*: F. Gess, W. Pulawski, and S. Gess, 2015:211, 213 (in key to *rhopalocerus* species group), 242 (new status, in revision of *rhopalocerus* species group).
- Stizus quadristrigatus var. dubiosus Guiglia, 1941, 78, ♀. Holotype: ♀, Ethiopia: Gabredarre, now Kebri Dehar (MSNG). Synonymized with *Bembecinus somalicus* by Pulawski *in* F. Gess, W. Pulawski, and S. Gess, 2015:242.— **As Bembecinus quadristrigatus dubiosus**: R. Bohart and Menke, 1976:531 (new combination, new status, in checklist of world Sphecidae).
- *Bembecinus priesneri* Schmid-Egger, 2004b:19, ♀, ♂. Holotype: ♂, Egypt: Gebel Elba (coll. M. Schwarz, Ansfelden, Austria). **New synonym.**
- 2. The range of the *rhopalocerus* species group extends from the southern tip of Africa north to Gebel Elba in southeastern Egypt, not only to the Somalian Region of Ethiopia, as accepted by F. Gess, W. Pulawski, and S. Gess (2015).

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REFERENCES

- GESS, F. W., W. J. PULAWSKI, AND S. K. GESS. 2015. A revision of the *rhopalocerus* species group of *Bembecinus* Costa (Hymenoptera: Crabronidae: Bembicinae). *Proceedings of the California Academy of Sciences*, ser. 4, 62:207–256.
- Schmid-Egger, Ch. 2004. Revision of *Bembecinus* (Hymenoptera, Crabronidae) of the Palearctic Region. *Notes Fauniques de Gembloux* 54:3–69.