

Durch Klauenborsten ausgezeichnet sind jedenfalls: alle Agrypniden, Hemirhipiden, Tetrolobinen, Monocrepidini und Pyrophorinen. Über ihre Bedeutung gerade für die letzte Gruppe wird später mehr zu sagen sein, wenn man bedenkt, daß es Pyrophorinen ohne Leuchtflecken gibt, die ohne die Klauenborsten von den *Ludiini* = *Corymbitini* kaum zu unterscheiden sind.

The *Scoliidae* described by Pallas (Hym.).

By H. Bischoff, Berlin, and J. C. Bradley, Ithaca, N. Y.

In his „Reisen durch verschiedene Provinzen des Russischen Reichs“, St. Petersburg, Kais. Akad. d. Wissensch., 1771, 2 vols., P. S. Pallas describes two Scoliid wasps under the names *Vespa galbula* (p. 473) and *V. tricolor* (p. 474) and records another under the queried name of *Sphex bidens* L. (p. 729).

The original material upon which these descriptions and references were based is preserved in the Berlin Museum and has been quite definitely identified by the authors by means of the manuscript of a later unpublished work by Pallas, in which he figures the forms concerned and cites his former publication. The specimens bear pin labels reading „Taurus Pallas S.“, and are perfectly preserved.

Sphex bidens? Lin. Pallas, loc. cit. v. 2, p. 729 is not *Scolia bidens* but is one of the forms of *flavifrons* with red apex of the abdomen ordinarily known as *haemorrhoidalis*. Specimens are not be found in the collection, but it is evident from the figure given in the Pallas mss. and from the published description.

Vespa tricolor is a South Russian species of *Scolia* very close to *Sc. hirta* from which it differs structurally by having its front densely punctate instead of nearly or quite impunctate; the wing membran apicad of the cells bears also a considerable amount of hair, absent in *hirta*. In the type tergite 2 has only 2 spots instead of being all yellow, and tergite 4 has 2 yellow dots. The type specimen bears the locality label „Tauria“ and its identity is established by the details of an engraving in the mss. of Pallas above referred to. It may be the species described by Rossi, Fauna Etrusca 1792, as *bifasciata*.

Vespa galbula p. 473 is, as indicated by Pallas, a composite of forms which he termed majores, mediae and minores, and which he naively assumed to be castes of a single social insect.

The type of his *Vespa galbula* form *media*, which he took for the worker cast, bears the locality label „Taurus Pallas S.“ and has also been positively identified by Bischoff from a colored figure contained in the mss. referred to. It is also a specimen of the South Russian *Scolia* allied to *hirta* above mentioned as type of his *Vespa tricolor*. It does not differ structurally from the type of *tricolor*, but has the entire 2nd and 3rd tergites yellow, except for a black spot on each side of the second. There is to say it has the normal coloration of *hirta* Rossi.

The type of *Vespa galbula* form *major* of Pallas is also in the Berlin Museum and bears the label „Taurus Pallas“ and further „6-macul. Pall. Taur.“. It is a female of *sexmaculata* Fabr. and its identity is also made certain by a figure in the Pallas mss., in which it is correctly entered as a synonym of *sexmaculata* Fabr.

The namens of Pallas have priority over those of both Fabricius and Rossi. It is possible to select either the specimen representing the form *major* or that representing the form *media* as lectotype of *galbula*. The former course would result in replacing the well known name of *sexmaculata* Fabr. by *galbula* Pallas. The latter course applies it to a South Russian form close to or perhaps a race of *Scolia hirta*, to which his name *Vespa tricolor* was also applied. Since this involves less nomenclatorial disturbance we propose to follow it, and therefore hereby designate the specimen of the form *media* referred to above as lectotype of *Vespa galbula* Pallas, and have so marked it.

The synonymy therefore stands:

Campsomeris (Trielis) sexmaculata (Fabricius).

Vespa galbula Pallas, Reis. Prov. Russ. Reich, 1771 v. 1
p. 473, form *major* but not type.

Scolia sexmaculata Fabricius, Spec. Insect. 1781 v. 1, p. 452.

Scolia galbula (Pallas).

Vespa galbula Pallas, Reis. Prov. Russ. Reich, 1771 v. 1,
p. 473, form *media*, lectotype.

Vespa tricolor Pallas ibid. p. 474.

? *Scolia bifasciata* Rossi, Fauna Etrusca, 1792 v. 2 p. 120

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Autor(en)/Author(s): Bischoff Hans, Bradley J. Chester

Artikel/Article: [The Scoliidæ described by Pallas \(Hym.\). 301-302](#)