

- (2) to place the generic name *Salda* Fabricius, 1803, with the type species designated in (1) (b) above, on the "Official List of Generic Names in Zoology";
- (3) to place the trivial name *littoralis* Linnaeus, 1758 (as published in the binominal combination *Cimex littoralis*) on the "Official List of Specific Trivial Names in Zoology";
- (4) to render an *Opinion* recording the decisions specified in (1) to (3) above.

Names of ten genera in the Order Hemiptera (Class Insecta) based upon misidentified type species: (1) type species of "Gastrodes" Westwood, 1840, designated under the plenary powers; (2) type species of remaining genera similarly designated conditionally

21. THE COMMISSION turned next to consider the application (file Z.N.(S.)144) submitted by Dr. W. E. China (British Museum (Natural History), London) in regard to the names of ten genera in the Order Hemiptera (Class Insecta), each of which, it was considered, was based upon a misidentified type species. The applications so submitted sought in each case the use of the plenary powers to designate as the type species of the genus concerned the species originally intended (as contrasted with the species actually cited) by the author of the generic name in question. The applications were the following:—

(a) *Aquarius* Schellenberg, 1800

Gerris paludum Schellenberg, 1800, had been selected as the type species of this genus by Kirkaldy, 1906, but it was considered that the species referred to under this name by Schellenberg was *Cimex najas* De Geer, 1773. The Commission were asked to designate the latter species as the type species of the genus (China, 1947, *Bull. zool. Nomencl.*, **1**: 277–278).

(b) *Bellocoris* Hahn, 1834

Cimex maurus Linnaeus, 1758, had been selected as the type species of this genus by Westwood (1840), but it was considered that the species referred to under this name by Hahn was *Cimex austriacus* Schrank, 1776. The Commission were asked to designate the latter species as the type species of this genus (China, 1947, *Bull. zool. Nomencl.*, **1**: 278–279).

(c) *Beosus* Amyot & Serville, 1843

This genus was monotypical, the sole species referred thereto by the authors of the generic name being *Lygaeus quadratus* Fabricius, 1803. It was considered that the citation of this name was due to a misidentification and that the species

which Amyot and Serville intended to refer to was *Cimex maritimus* Scopoli, 1763. The Commission were asked to designate the latter species as the type species of this genus (China, 1947, *Bull. zool. Nomencl.*, **1**: 279-280).

(d) *Catoplatus* Spinola, 1837

This genus was monotypical, the sole species referred thereto by Spinola being *Acanthia costata* Fabricius, 1794. It was considered that the citation of this name was due to a misidentification and that the species which Spinola intended to refer to was *Tingis fabricii* Stål, 1868. The Commission were asked to designate the latter species as the type species of this genus (China, *Bull. zool. Nomencl.*, **1**: 281).

(e) *Dictyonota* Curtis, 1827

Tingis eryngii Latreille, 1804, had been designated by Curtis at the time (1827) that he first published the generic name *Dictyonota*, but it was considered that the species so referred to under this name by Curtis was *Dictyonota strichnocera* Fieber, 1844. The Commission were asked to designate the latter species as the type species of this genus (China, 1947, *Bull. zool. Nomencl.*, **1**: 282).

(f) *Gastrodes* Westwood, 1840

This genus was monotypical, the sole species referred thereto by Westwood being *Cimex abietis* Linnaeus, 1758. It was considered that the citation of this name was due to a misidentification and that the species which Westwood intended to refer to was *Cimex abietum* Bergroth, 1914. The Commission were asked to designate the latter species as the type species of this genus (China, 1947, *Bull. zool. Nomencl.*, **1**: 283).

(g) *Oncotylus* Fieber, 1858

Kirkaldy (1906) selected as the type species of this genus the species which Fieber had referred thereto under the name *Capsus tanaceti* Fallén, 1807, but, in making this selection, Kirkaldy had made it clear that he realised that Fieber had misidentified Fallén's species and that the species which he (Kirkaldy) was then selecting as the type species- was *Oncotylus punctipes* Reuter, 1873 (*i.e.* the species to which Fieber had intended to refer when he entered the trivial name *tanaceti* Fallén as the name of a species of this genus). Nevertheless, under the *Règles* the type species

of this genus was the true *Capsus tanacetii* of Fallén. The Commission were asked to designate *Oncotylus punctipes* Reuter, 1873, as the type species of this genus (China, 1947, *Bull. zool. Nomencl.*, 1: 284).

(h) *Pachylops* Fieber, 1858

This genus was monotypical, the sole species referred thereto by Fieber being *Capsus chloropterus* Kirschbaum, 1855. It was considered that the citation of this name was due to a misidentification and that the species which Fieber intended to refer to was *Litosoma bicolor* Douglas & Scott, 1868. The Commission were asked to designate the latter species as the type species of this genus (China, 1947, *Bull. zool. Nomencl.* 1: 285).

(i) *Pilophorus* Hahn, 1826

This genus was monotypical, the sole species referred thereto by Hahn being *Cimex bifasciatus* Fabricius, 1775. It was considered that the citation of this name was due to a misidentification and that the species which Hahn intended to refer to was *Cimex clavatus* Linnaeus, 1767. The Commission were asked to designate the latter species as the type species of this genus (China, 1947, *Bull. zool. Nomencl.* 1: 286).

(j) *Tetyra* Fabricius, 1803

Curtis (1838) selected *Cimex maurus* Linnaeus, 1758, as the type species of this genus. It was considered that the species referred to under this name by Fabricius was *Cimex austriacus* Schrank, 1776 (the species which, under (b) above, the Commission were asked to designate as the type species of the genus *Bellocoris* Hahn, 1834). The acceptance of *Cimex maurus* Linnaeus as the type species of *Tetyra* Fabricius would (i) involve the transfer of the name *Tetyra* Fabricius from the American, to the European list, (ii) leave without a name the American genus now known as *Tetyra*, and (iii) cause the name *Eurygaster* Laporte, 1832 (a name of some importance in economic entomology as including pests of wheat) to fall as a synonym of *Tetyra*. Such consequences would be open to the strongest objection. It was accordingly proposed that the Commission should designate as the type species of *Tetyra* Fabricius, 1803, the species so selected by the next author after Curtis to select a type species for this genus, i.e. Kirkaldy (1900).

The species in question was cited by Fabricius under the name *Cimex arcuata* Fabricius, 1794, but that name was invalid, being a homonym of *Cimex arcuatus* Gmelin, 1789. The oldest available name for the Fabrician species was *Cimex antillarum*, a *nom. nov.* published by Kirkaldy in 1909. It was this nominal species which it was proposed that the Commission should designate as the type species of the genus *Tetyra* Fabricius 1803.

THE ACTING PRESIDENT (MR. FRANCIS HEMMING) said that unfortunately through some oversight the Commission File (file Z.N.(S.)144) dealing with the present series of applications had not been included among those which he had brought with him to Paris to assist the Commission in the consideration of problems calling for decision. So far as he could recall, no objections to the action proposed in these cases had been received from any source. These cases appeared to be exactly of the kind envisaged in *Opinion* 168. They all related to genera based upon misidentified species, where the acceptance of the type species actually cited (as contrasted with that intended) by the original author would certainly cause great confusion. In such cases the Commission were now under an obligation to use their plenary powers to avoid disturbance in accepted nomenclature.

ALTERNATE COMMISSIONER ROBERT L. USINGER (U.S.A.) said that, as a hemipterist, he was familiar with the problem presented by the name *Gastrodes* Westwood (case (f) above) and was in full agreement with the conclusions reached by Dr. China. He accordingly supported the proposal that the plenary powers should be used to designate *Cimex abietum* Bergroth, 1914, as the type species of this genus.

IN THE ENSUING DISCUSSION the view was generally expressed that all the necessary data had been submitted by Dr. China in support of the remaining applications and that those applications were well founded. It was felt, however, that, before a final decision was taken on these cases, it was desirable to make sure, by reference to the Commission's file, that no adverse comment of any kind had been received from any specialist in the groups concerned. If any such adverse comments were found to have been received, the application concerned should be resubmitted to the Commission, but if no such adverse comments had been received, the Secretary to the Commission should prepare *Opinions* in the sense proposed.

THE COMMISSION agreed :—

- (1) to use their plenary powers :—
 - (a) to set aside the designation by Westwood of *Cimex abietis* Linnaeus, 1758, as the type species of the monotypical genus *Gastrodes* Westwood, 1840 (Class Insecta, Order Hemiptera) ;
 - (b) to designate *Gastrodes abietum* Bergroth, 1914, to be the type species of the foregoing genus ;
- (2) to place the generic name *Gastrodes* Westwood, 1840, with the type species specified in (1)(b) above, on the " Official List of Generic Names in Zoology " ;
- (3) to place the trivial name *abietum* Bergroth, 1914 (as published in the binominal combination *Gastrodes abietum*), on the " Official List of Specific Trivial Names in Zoology " ;
- (4) to render an *Opinion* recording the decisions specified in (1) to (3) above ;
- (5) as regards the names of the nine genera in the Order Hemiptera (Class Insecta) specified below :—
 - (a) that, if an examination of the Commission's file Z.N.(S.)144 showed that no objection to the action proposed had been received from any source, the plenary powers should be used to designate as the type species of the genera concerned the species severally specified below, but that, if in any case it were to be found that such an objection had been received, the application concerned should be resubmitted to the Commission for further consideration :—

Name of genus	Name of species proposed to be designated, under the plenary powers as the type species of the genus specified in Col. (1)
(1)	(2)
<i>Aquarius</i> Schellenberg, 1800.	<i>Cimex najas</i> De Geer, 1773.
<i>Bellocoris</i> Hahn, 1834.	<i>Cimex austriacus</i> Schrank, 1776.

<i>Beosus</i> Amyot & Serville, 1843.	<i>Cimex maritimus</i> Scopoli, 1763.
<i>Catoplatus</i> Spinola, 1837.	<i>Tingis fabricii</i> Stål, 1868.
<i>Dictyonota</i> Curtis, 1827.	<i>Dictyonota strichnocera</i> Fieber, 1844.
<i>Oncotylus</i> Fieber, 1858.	<i>Oncotylus punctipes</i> Reuter, 1873.
<i>Pachylops</i> Fieber, 1858.	<i>Litosoma bicolor</i> Douglas & Scott, 1868.
<i>Pilophorus</i> Hahn, 1826.	<i>Cimex clavatus</i> Linnaeus, 1767.
<i>Tetyra</i> Fabricius, 1803.	<i>Cimex antillarum</i> Kirkaldy, 1909 ;

- (b) that, where under Sub-Conclusion (5) (a) above, the plenary powers were used to designate as the type species of the genus concerned the species specified in Col. (2) of the table annexed to the said Sub-Conclusion, the generic name specified in Col. (1) should be placed on the "Official List of Generic Names in Zoology" and the trivial name specified in Col. (2) as the name of the type species of the genus concerned should be placed on the "Official List of Specific Trivial Names in Zoology" ;
- (c) that in every case where, under (5) (a) above, the plenary powers are used to designate as the type species of a genus the species specified against the name of that genus in Col. (2) of the table annexed to that Conclusion, an *Opinion* should be rendered recording the decision so taken.

(Note by the Secretary to the Commission.—

I have examined the Commission's file Z.N. (S.) 144, and find (i) that Dr. R. I. Sailer (United States National Museum, Washington, D.C.) has registered his support for each of the proposals specified above, and (ii) that no adverse comment on the action proposed has been received from any source. (Signed) Francis Hemming, Secretariat of the Commission, London, N.W.1. 15th September 1948.)

Certain applications not yet published in the "Bulletin of Zoological Nomenclature" : the Commission's files relating to, to be examined in turn

22. THE ACTING PRESIDENT (MR. FRANCIS HEMMING) said that the application submitted by Dr. W. E. China in regard to the names of certain genera in the Order Hemiptera (Class Insecta) which the Commission had just considered completed their examination of the applications that had so far been published in the *Bulletin of*



International Commission on Zoological Nomenclature. 1950. "Names of ten genera in the Order Hemiptera (Class Insecta), based upon misidentification of type species (1) type species of *Gastrodes* Westwood, 1840, designated under plenary powers; (2) type species of remaining genera similarly designated conditionally." *The Bulletin of zoological nomenclature* 4, 469–474.

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