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Some Cicadelline lectotypes of BREDDIN species¹

(Homoptera: Cicadellidae)

This is written to stabilize the identities of twenty-eight species of Cicadellidae in the subfamily Cicadellinae. The species were described by G. BREDDIN. The types are located in the collection of the Deutsches Entomologisches Institut, in Eberswalde. They were loaned to the writer through the kindness of Dr. G. PETERSEN of that institution. The present work is in preparation for a revision of the genera of Cicadellinae now in progress by the author. Diagnostic characters for the taxa listed below have been noted or illustrated and will be treated in the larger work, later.

A lectotype label has been placed on each of the specimens described below. In the list which follows, the name of the species is followed by a date and a letter which together form a code number which is cited in the section on references where the full bibliographic reference may be found. The code number is the same as the one used in METCALF'S Bibliography of the Homoptera (see references). Following the code number is the page number of the original description, then a list of labels appearing on the specimen, each label within quotation marks. Each line of each label is separated from the following line by a semicolon (;) and the individual labels are separated by the word "and".

ardentula, *Trichogonia* BREDDIN

1901c: 75. Lectotype male with labels: "Baños; (Ecuad.); R. Haensch S." and "Type" and "Coll; Breddin" and "Trichogonia; ardentula; Bredd."

atramentatula, *Tettigonia* BREDDIN

1901h: 107. Lectotype male with labels: "Archidona; (Ecuad.); R. Haensch S." and "Type" and "Tettigonia; atramentatula; Bredd."

aureatula, *Sphaeropogonia* BREDDIN

1901f: 101. Lectotype male with labels: "Archidona; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Sphaeropogonia; aureatula Bredd.; ♂ Edm. Schmidt; determ. 1910."

carbuncula *Tettigonia* BREDDIN

1901e: 90. Lectotype male with labels: "Santa Inéz; (Ecuad.); R. Haensch S." and "Type" and "Tettigoniella; carbuncula; Bredd.; ♂ Edm. Schmidt; determ. 1910."

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***cruciatula*, *Tettigonia* BREDDIN**

1902a: 178. Lectotype female with labels: "Baños; (Ecuad.); R. Haensch S." and "Type" and "Tettigonia; cruciatula; n. spec."

***cruentula*, *Tettigonia* BREDDIN**

1901h: 107. Lectotype male with labels: "Santa Inéz; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigonia; cruentula; Bredd."

***facula*, *Sphaeropogonia* BREDDIN**

1901f: 101. Lectotype male with labels: "Süd-America; Cumbase" and "Sphaeropogonia; facula m." and "Type" and "Coll. Breddin" and "Sphaeropogonia; facula; Bredd.; ♂ Edm. Schmidt; determ. 1910."

***ferrugatula*, *Tettigonia* BREDDIN**

1901h: 107. Lectotype male with labels: "Archidona; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigonia; ferrugatula; Bredd.". The head was missing from the specimen.

***gryllula*, *Tettigonia* BREDDIN**

1901e: 90. Lectotype female with labels: "Baños; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigoniella; gryllula Bredd.; ♀ Edm. Schmidt; determ. 1910."

***hebetula*, *Conogonia* BREDDIN**

1903c: 99. Lectotype female with labels: "Milne B.; New Guinea" and "Type" and "Coll. Breddin" and "Conogonia; hebetula Bredd.; ♀ Edm. Schmidt; determ. 1910."

***haenschi*, *Zyzzogeton* BREDDIN**

1902a: 178. Lectotype male with labels: "Balzapamba; (Ecuad.); R. Haensch S." and "Type" and "Zyzzogeton; haenschi; Bredd. n. spec."

***isabellula*, *Trichogonia* BREDDIN**

1901c: 75. Lectotype female with labels: "Baños; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Trichogonia; isabellula; Bredd.". The specimen was teneral and without a head.

***larvatula*, *Tettigonia* BREDDIN**

1902a: 178. Lectotype male with labels: "Santa Inéz; (Ecuad.); R. Haensch S." and "Type" and "Tettigonia; larvatula; n. spec."

***latercula*, *Tettigonia* BREDDIN**

1901e: 90. Lectotype female with labels: "Baños; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigonia; latercula n. spec."

***mellatula*, *Tettigonia* BREDDIN**

1901c: 76. Lectotype female with labels; "Santa Inéz; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigonia; mellatula; Breddin".

***melliguttula*, *Tettigonia* BREDDIN**

1901e: 91. Lectotype female with labels: "Balzapamba; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigonia; melliguttula; n. spec."

***multilunatula, Tettigonia* BREDDIN**

1901 e: 91. Lectotype female with labels: "Balzapamba; (Ecuad.); R. Haensch S." and "Type" and "Tettigoniella; multilunatula; Bredd.; Edm. Schmidt; determ. 1910."

***placidula, Conogonia* BREDDIN**

1903 c: 98. Lectotype female with labels: "Type" and "Conogonia; placidula Bredd.; ♀ Edm. Schmidt; determ. 1910."

***quincuncula, Sphinctogonia* BREDDIN**

1901 a: 128. Lectotype female with labels: "Gegend. [illegible word] n.; Duri; VIII. 95" and "Type" and "Coll. Breddin" and "Sphinctogonia; quincuncula; ♀ Edm. Schmidt; determ. 1910.". The specimen was very teneral.

***reginula, Sphinctogonia* BREDDIN**

1901 a: 130. Lectotype male with labels: "Nord-Celebes; Toli-Toli; Nov.-Dez. 1895; H. Fruhstorfer" and "Type" and "Sphinctogonia; reginula Bredd.; ♂ Edm. Schmidt; determ. 1910."

***serratula, Tettigonia* BREDDIN**

1902 b: 2. Lectotype male with labels: "Balzapamba; (Ecuad.); R. Haensch S." and "Type" and "Tettigonia; serratula; Bredd.; ♂ Edm. Schmidt; determ. 1910." and "Coll. Breddin".

***serenula, Tettigonia* BREDDIN**

1901 c: 76. Lectotype male with labels: "Baños; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigoniella; serenula Bredd.; ♂ Edm. Schmidt; determ. 1910."

***servula, Sphinctogonia* BREDDIN**

1901 a: 129. Lectotype male with labels: "Celebes centr.; Gegend d. Pono Sees; (Sarosin)" and "Coll. Breddin" and "Sphinctogonia; servula Bredd.; ♂ Edm. Schmidt; determ. 1910."

***stillatula, Tettigonia* BREDDIN**

1902 b: 2. Lectotype specimen without abdomen, with labels: "Archidona; (Ecuad.); R. Haensch S." and "Type" and "Coll. Breddin" and "Tettigonia; stillatula; Bredd."

***vespertinula, Tettigonia* BREDDIN**

1903 b: 92. Lectotype female with labels: "Perak" and "Type" and "Coll. Breddin" and "Tettigoniella; vespertinula; Bredd.; ♀ Edm. Schmidt; determ. 1910."

Summary

There is given a list of Cicadellidae-lectotypes of species described by G. BREDDIN in preparation for a revision of the genera of Cicadellinae now in progress by the author.

Zusammenfassung

Der Autor legt eine Liste von Cicadellidae-Lectotypen von Arten vor, die G. BREDDIN beschrieben hat. Sie dient der Vorbereitung einer Revision der Gattungen der Cicadellinae, an der der Verfasser gegenwärtig arbeitet.

Резюме

Автор предлагает список лектотипов Cicadellidae видов, которые были описаны G. BREDDIN. Этот список является подготовкой ревизии родов Cicadellinae, над которой автор работает в настоящее время.

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