

SCIENTIFIC NOTE

**A NEW SYNONYM OF THE GENUS
STIRELLUS OSBORN & BALL, 1902
(HEMIPTERA: CICADELLIDAE: DELTOCEPHALINAE)**

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[Xing, J. & Li, Z. 2010. A new synonym of the genus *Stirellus* Osborn & Ball, 1902 (Hemiptera: Cicadellidae: Deltocephalinae). Munis Entomology & Zoology, 5 (2): 821-822]

The leafhopper genus *Stirellus* was established by Osborn & Ball (1902), and *Athysanus bicolor* Van Duzee, 1892 was designated as its type species. In the subfamily Deltocephalinae, many generic names are invalid, as they are junior homonyms of the name *Stirellus* Osborn & Ball respectively. Emeljanov (1962) synonymised 15 genera: *Doratulina*, *Phrynophyes*, *Anemochrea*, *Arya*, *Trebellius*, *Campbellinella*, *Bituitus*, *Paternus*, *Volusenus*, *Nandidrug*, *Paivanana*, *Bella*, *Sunda*, *Pseudaconura* and *Umesaona* with *Stirellus*. But, Vilbaste (1965) discussed the similarity of *Doratulina* Melichar, 1903 to some genera, including *Phrynophyes*, *Arya*, *Campbellinella*, *Bituitus*, *Paternus*, *Volusenus*, *Nandidrug*, *Allectus*, *Galerius*, *Paivanana*, *Bella*, *Sunda*, *Aconura* and *Umesdena*, and synonymised all these genera. Oman, Knight & Nielson (1990) synonymised 15 genera: *Phrynophyes*, *Arya*, *Campbellinella*, *Bituitus*, *Paternus*, *Volusenus*, *Nandidrug*, *Allectus*, *Galerius*, *Paivanana*, *Bella*, *Sunda*, *Pseudaconura*, *Umesaona* and *Trebellius* with *Doratulina*. Later, Day & Fletcher (1994) followed Emeljanov (1962) and listed 18 synonyms genera of *Stirellus*: *Doratulina*, *Phrynophyes*, *Anemochrea*, *Arya*, *Trebellius*, *Campbellinella*, *Bituitus*, *Paternus*, *Volusenus*, *Nandidrug*, *Allectus*, *Galerius*, *Paivanana*, *Bella*, *Penestirellus*, *Sunda*, *Pseudaconura* and *Umesaona*.

As *Stirellus* is the oldest name, we followed Day & Fletcher (1994), all the above 18 genera should be treated as its junior synonyms. The leafhopper genus *Viridomarus* was established by Distant (1918), with the type species *V. capitatus* Distant, 1918. Xing, Dai & Li (2009) revised this genus and added two new species. Recently, during study on the male genitalia of the genus *Viridomarus*, we considered *Viridomarus* Distant, 1918 is a junior synonym of the genus *Stirellus* Osborn & Ball, 1902. It can not be used validly for taxa under the Law of Priority of the ICZN. Consequently, we proposed here *Viridomarus* Distant, 1918 as invalid name and junior objective synonym of *Stirellus* Osborn & Ball, 1902. And, three new combinations: *Stirellus capitatus* (Distant, 1918) **comb. nov.**, *Stirellus brevialetus* (Xing, Dai & Li, 2009) **comb. nov.** and *Stirellus laticellus* (Xing, Dai & Li, 2009) **comb. nov.** are proposed.

Genus *Stirellus* Osborn & Ball, 1902

Stirellus Osborn & Ball, 1902: 250. Type species: *Athysanus bicolor* Van Duzee, 1892.

Doratulina Melichar, 1903: 198. Type species: *Doratulina jocosus* Melichar, 1903.

Phrynophyes Kirkaldy, 1906: 327. Type species: *Phrynophyes phrynophyes* Kirkaldy, 1906.

Anemochrea Kirkaldy, 1906: 329. Type species: *Anemochrea mitis* Kirkaldy, 1906.

Arya Distant, 1908: 338. Type species: *Arya rubrolineata* Distant, 1908.

Trebellius Distant, 1918: 52. Type species: *Trebellius albifrons* Distant, 1918.

Campbellinella Distant, 1918: 69. Type species: *Campbellinella illustrata* Distant, 1918.
Bituitus Distant, 1918: 70. Type species: *Bituitus projectus* Distant, 1918.
Paternus Distant, 1918: 71. Type species: *Paternus pusanus* Distant, 1918.
Volusenus Distant, 1918: 72. Type species: *Volusenus lahorensis* Distant, 1918.
Nandidrug Distant, 1918: 74. Type species: *Nandidrug speciosum* Distant, 1918.
Allectus Distant, 1918: 75. Type species: *Allectus notatus* Distant, 1918.
Galerius Distant, 1918: 78. Type species: *Galerius indicatrix* Distant, 1918.
Paivanana Distant, 1918: 95. Type species: *Paivanana indra* Distant, 1918.
Bella Singh Pruthi, 1930: 44. Type species: *Bella apicalis* Singh Pruthi, 1930.
Penestirellus Beamer & Tuthill, 1934: 21. Type species: *Penestirellus catalinus* Beamer & Tuthill, 1934.
Sunda Singh Pruthi, 1936: 112. Type species: *Sunda ribeiroi* Singh Pruthi, 1936.
Pseudoconura Linnavuori, 1952: 182. Type species: *Pseudoconura luxorensis* Linnavuori, 1952.
Umesaona Ishihara, 1961: 246. Type species: *Umesaona asiatica* Ishihara, 1961.
Viridomarus Distant, 1918: 69. Type-species: *Viridomarus capitatus* Distant, 1918. **syn. nov.**

Stirellus capitatus (Distant, 1918) **comb. nov.**

Viridomarus capitatus Distant 1918: 70

Viridomarus capitatus Distant, Zhang 1990: 91-92.

Viridomarus capitatus Distant, Xing, Dai & Li 2009: 590-591.

Distribution. India, China (Hainan).

Stirellus brevialetus (Xing, Dai & Li, 2009) **comb. nov.**

Viridomarus brevialetus Xing, Dai & Li 2009: 590-591.

Distribution. China (Hainan).

Stirellus laticellus (Xing, Dai & Li, 2009) **comb. nov.**

Viridomarus laticellus Xing, Dai & Li 2009: 592-593.

Distribution. China (Hainan).

ACKNOWLEDGEMENTS

The project was supported by the Natural Science Foundation of China (30270176) and the Ministry of Science and Technology of the people's Republic of China (MOST grant No.2006FY110500).

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