

A Revision of the Genus *Chionomus* Fennah (Hemiptera : Fulgoroidea : Delphacidae) : Cleaning out *Delphacodes* Fieber

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The status and taxonomy of *Delphacodes* Fieber, 1866, has been unresolved since the early 20th century. *Delphacodes sensu stricto*, as constructed by Wagner (1963), is now restricted to 10 western Palearctic species (Asche and Remane 1983). Currently, 124 New World species require removal from this genus. The large size and polyphyletic nature of the New World *Delphacodes* make a complete revision daunting. Selecting small monophyletic assemblages to redesignate is a more practical approach. One such grouping is the genus *Chionomus*, which was incompletely segregated from *Delphacodes* by Fennah in 1971. Based on characters of the male genitalia and recent molecular evidence this genus, currently containing 3 species, potentially contains 23 additional species from within *Delphacodes*. This project will redefine *Chionomus*, present a phylogenetic hypothesis, and establish online resources for the genus.

Table 1. Species potentially in *Chionomus* including location of types, and reported range information.

Species	Author, Year	Type Location	Known Range
<i>C. havanae</i>	(Muir and Giffard, 1924)	BPBM	USA: FL, PR; Cayman Is. (Grand Cayman); Cuba; Jamaica, Guatemala, Guyana, Trinidad, Venezuela
<i>C. balboae</i>	(Muir and Giffard, 1924)	BPBM	USA: FL, PR; Brazil; Argentina; Mexico; Ecuador; Guyana; Paraguay; St. Lucia; Venezuela
<i>C. haywardi</i>	(Muir, 1929)	BMNH	Argentina; Uruguay
<i>D. aculeata</i>	Beamer, 1948	SEMC	USA: FL
<i>D. arcuata</i>	Beamer, 1948	SEMC	USA: FL, PR, VI; Dominica; Guadeloupe; Mexico; Vieques Is.
<i>D. ardentis</i>	Beamer, 1948	SEMC	USA: FL
<i>D. banosensis</i>	Muir, 1926	BPBM	Ecuador
<i>D. bellicosa</i>	Muir and Giffard, 1924	BPBM	USA: CA
<i>D. concava</i>	Beamer, 1948	SEMC	USA: FL, GA
<i>D. dentis</i>	Beamer, 1948	SEMC	USA: TX; CAN: NT
<i>D. dissapata</i>	Muir, 1926	BPBM	Brazil; Ecuador
<i>D. gluciophila</i>	Muir, 1926	BPBM	Ecuador
<i>D. mesada</i>	Caldwell and Martorell, 1951	USNM	USA: PR
<i>D. pacifica</i>	(Crawford, 1914)	USNM	USA: AZ, CA, IL, MO, MS; Mexico
<i>D. penepuella</i>	Beamer, 1948	SEMC	USA: FL, NY
<i>D. puella</i>	(Van Duzee, 1897)	USNM	USA: AL, AR, CA, CT, CO, DC, FL, GA, HI, IA, IL, IN, KS, KY, LA, MA, MD, ME, MO, MS, NC, NE, NH, NJ, NY, OH, OK, OR, PA, PR, TN, VA, WA; CAN: ON, QC; Bermuda; Brazil; Cuba; Mexico
<i>D. quadridentis</i>	Beamer, 1948	SEMC	USA: FL, MS
<i>D.</i>	Muir and Giffard, 1924	CASC	USA: FL; Cuba; Nicaragua

<i>quadrispinosa</i>			
<i>D. sagae</i>	Beamer, 1986	SEMC	USA: IL, MO, NC, NY; CAN: ON
<i>D. saxicola</i>	Muir, 1926	BPBM	Brazil
<i>D. scocholoa</i>	Cronin and Wilson, 2007	SEMC	USA: ND
<i>D. securigera</i>	Muir, 1926	BPBM	Brazil
<i>D. serrata</i>	Beamer, 1948	SEMC	USA: CT, NY; CAN: AB, MB, NT, ON, SK, YK
<i>D. silvae</i>	Beamer, 1946	SEMC	USA: TX
<i>D. tenae</i>	Muir, 1926	BPBM	Ecuador
<i>D. vaccina</i>	Caldwell and Martorell, 1951	USNM	USA: PR

References

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