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**NOTES ON THE FOOD OF CYCHRINI (COLEOPTERA: CARABIDAE)**

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In this paper, the food of nineteen species of Cychrini is given, for three genera: *Cychrus*, *Scaphinotus* and *Sphaeroderus*. The beetles of this tribe seem to be nearly exclusively carnivorous, feeding principally on snails and slugs, exceptionally on insects and vegetable matter. The head is narrow and prolonged; the mandibles are elongate and prominent, with two acute median teeth in outer half, apparently well adapted for entering the opening of a snail shell. The beetles may be useful in keeping down harmful molluscs.

The purpose of this study was to compile a list of data on the food of some Cychrini, from the literature and observations in the field. Almost all species live in forest country and appear to be nocturnal. *Cychrus caraboides* Linné, *Cychrus dufouri* Chaudoir, *Scaphinotus bilobus* Say and *Sphaeroderus lecontei* Dejean have been noted searching for food on rainy days.

**SPECIES ACCOUNTS**

*Cychrus* sp. Snails, France (Jeannel, 1941; Grassé, Poisson and Tuzet, 1961; Colas, 1962).

*Cychrus attenuatus* Fabricius. Fly mites, Germany. This species is attracted to various baits (Nüssler and Grämer, 1966).

*Cychrus caraboides* Linné (*rostratus* Fabricius). Snails, Denmark, England, France and Germany (Fowler and Donisthorpe, 1913; Blunck, 1925; Burmeister, 1939; West, 1942; Auber, 1951; Nüssler and Grämer, 1966). According to the last authors, the species is attracted to various baits.

*Cychrus dufouri* Chaudoir. Snails, France (Jeannel, 1941).

*Cychrus morawitzi* Géhin. Snail (*Gonyodiscus pauper* Gould), Japan (Bates, 1883).

*Scaphinotus* sp. Snails, U.S.A. (Dillon and Dillon, 1961). Slugs, U.S.A. (Essig, 1926).

*Scaphinotus andrewsi* Harris. Catbriar (*Smilax*) berries, U.S.A. (Beutenmuller, 1918).

*Scaphinotus angustatus* Harris. Repeatedly collected in bait traps with fruit and honey, Canada (Lindroth, 1961).

*Scaphinotus angusticollis* Mannerheim. Slugs, Canada (Fletcher, 1901).

*Scaphinotus bilobus* Say. Snails, Canada (J.-C. Aubé, J.-P. Laplante and A. Larochelle, personal communication and unpublished data).

*Scaphinotus elevatus* Fabricius. Snails, U.S.A. (Dillon and Dillon, 1961). Caterpillars, U.S.A. (Collins, 1926). Maggots, U.S.A. (Weeks, 1914). Sugar drippings, U.S.A. (Weeks, 1914).

*Scaphinotus guyoti* Leconte. Snails, U.S.A. (Barr, 1969).

*Scaphinotus interruptus* Ménétries. Slugs and snails, U.S.A. (Ingram, 1946).

*Scaphinotus marginatus* Fischer. Slugs, Canada (Fletcher, 1901). Eggs of Diptera, U.S.A. (Stage and Yates, 1939).

*Scaphinotus punctatus* Leconte. Molluscs, insects and berries, U.S.A. (Noonan, 1967).

*Scaphinotus ridingsi* Bland. Snails, U.S.A. (Leng, 1917).

*Scaphinotus unicolor* Fabricius. White grubs of the May Beetle, U.S.A. (Fattig, 1949).

*Scaphinotus viduus* Dejean. Snails, Canada and U.S.A. (Schaupp, 1878a; Fyles, 1901; R. T. Bell and J.-P. Laplante, personal communication). Slugs, Canada (Fyles, 1901). The species was caught at sugar (Shoemaker, 1919).

*Sphaeroderus* sp. Slugs and other molluscs (Chagnon and Robert, 1962).

*Sphaeroderus canadensis* Chaudoir. Snails, Canada and U.S.A. (Schaupp, 1878a; H. Goulet, personal communication).

*Sphaeroderus lecontei* Dejean. Snails, Canada and U.S.A. (Schaupp, 1878a; Lindroth, 1955 and 1961; H. Goulet and A. Laroche, personal communication and unpublished data). Slug, Canada (A. Laroche, unpublished data). Larva, U.S.A. (Schaupp, 1878b).

*Sphaeroderus nitidicollis* Chevrolat. Snail, Canada (A. Laroche, unpublished data).

*Sphaeroderus nitidicollis brevoortii* Leconte. Snails, Canada and U.S.A. (R. T. Bell and H. Goulet, personal communication).

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