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**WING-DIMORPHISM IN *CYMINDIS CRIBRICOLLIS* DEJEAN  
AND *C. NEGLECTA* HALDEMAN (COLEOPTERA: CARABIDAE)**

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One hundred and forty-nine specimens of *Cymindis cribricollis* Dejean and fifteen specimens of *C. neglecta* Haldeman from Québec were examined for wing-dimorphism.

*Cymindis cribricollis* Dejean. The hind-wings of this species are generally vestigial but a few long-winged specimens from New Hampshire, Massachusetts, Michigan, Ontario and Newfoundland were seen by Darlington (1936) and Lindroth (1955). I have examined 149 specimens of this species from Québec and I record 18 fully-winged specimens from the following places: Bonaventure County, Bonaventure, 16.VII.1970 (2 females, 7 males); Charlevoix-Est County, Saint-Fidèle, 19.VII.1965 (1 male); Chicoutimi County, Cap Jaseur, 25.VII.1963 (2 females); Gaspé-Ouest County, Mont-Albert, 3.VII.1965 (1 female); Lac-Saint-Jean-Ouest County, Roberval, 10.V.1959 (1 female); Saguenay County, Rivière à l'Huile, 14.VII.1971 (3 females); Témiscamingue County, Belleterre, 7.V.1968 (1 male). In Québec, the long-winged condition occurs in both sexes, but is rather uncommon and not geographically restricted. Macropterous individuals can probably fly and are found together with micropterous specimens in the same populations.

*Cymindis neglecta* Haldeman. The hind-wings of this species are dimorphic, normally vestigial but one fully-winged specimen from New Hampshire was seen by Darlington (1936). I examined 15 specimens of this species from Québec but no fully-winged specimens were seen.

LITERATURE CITED

- Darlington, P.J., Jr., 1936. Variation and atrophy of flying wings of some Carabid beetles. *Ann. Entomol. Soc. Amer.* 29:136-179.
- Lindroth, C.H. 1955. The Carabid beetles of Newfoundland. *Opusc. Entomol., Suppl.*, 12:1-160.