

FAMILY HETERO CERIDAE
(Variegated mud-loving beetles)

L. LeSage

Heterocerids are represented in Canada and Alaska by 26 species. The adults are nocturnal and come to light in numbers. During the day they hide and make tunnels in sandy areas near water courses or standing water, a behavior shared by the larvae too. Adults and larvae feed on zooplankton, diatoms and algae.

Pacheco (1964) proposed a drastic change in the traditional treatment of the family when he described 15 new genera and restricted the genus *Heterocerus* to the Old World. Although several of his new genera are questionable, his classification is followed for this checklist except for the genus *Dampfius* which has been recently placed in synonymy with *Heterocerus* by Miller (1988b). The Canadian fauna is relatively well known but new species are still found (Miller 1988a, b). The arctic fauna and the Maritimes have been little surveyed. The North American species have been recently catalogued (Pacheco 1978).

AK (2); YT (4); NT (4); BC (9); AB (16); SK (14); MB (19); ON (17); PQ (16); NB (5); PE (1)

Tribe Augyliini

Genus EXPLORATOR Pacheco

E. canadensis (Fall) AK YT NT - AB SK MB - - - - - -

Genus CENTURIATUS Pacheco

C. auromicans (Kiesenwetter) - - - BC AB SK MB ON PQ - - - - -

C. compactus (Fall) - - - - AB - MB - PQ - - - - -

Genus MICROAUGYLES Pacheco

M. moleculus (Fall) - - - - AB SK MB - PQ - - - - -

M. mundulus (Fall) - - - - AB - - - - - - - - -

Tribe Heterocerini

Genus LANTERNARIUS Pacheco

L. brunneus (Melsheimer) - - NT BC AB SK MB ON PQ - - PE - -

L. gemmatus (Horn) - - - BC AB SK - - - - - - - -

L. mollinus (Kiesenwetter) - - - - AB SK MB ON PQ - - - - -

L. parrotus Pacheco - - NT BC AB SK MB ON PQ NB - - - -

L. sinuosus Pacheco - YT NT BC AB SK MB - - - - - -

Genus NEOHETEROCERUS Pacheco

N. fatuus (Kiesenwetter) - - - - - - MB ON - NB - - - -

N. gnatho (LeConte) - YK - BC AB SK MB ON PQ - - - - -

labratus (LeConte)

N. longilobulus Pacheco - - - - - - - - PQ - - - - -

N. pallidus (Say) - - - - AB SK MB ON - NB - - - -

ventralis (Melsheimer)

N. sandersoni Pacheco - - - - - MB - - - - -

Genus HETEROCERUS Fabricius

Dampfius Pacheco

Key to North American species: Miller (1988b)

H. collaris (Kiesenwetter) - - - - - SK MB ON PQ - - - - -
 H. incertus (Pacheco) - - - BC AB - MB ON PQ - - - - -
 H. mexicanus Sharp - - - - - - - ON - - - - -
 H. subtilis W.V.Miller - - - - - MB ON PQ - - - - -
 H. undatus (Melsheimer) - - - - AB SK MB ON PQ NB - - - - -
 H. unicus W.V.Miller - - - BC AB SK MB - - - - -

Genus PEDITATUS Pacheco

P. schwarzi (Horn) - - - - - ON PQ - - - - -
 P. tenuis (W.V.Miller) - - - - - MB ON - - - - -

Genus LAPSUS Pacheco

L. tristis (Mannerheim) AK YT NT BC AB SK MB ON PQ NB - - - - -
 L. subtilis (W.V.Miller) - - - - - ON PQ - - - - -

Tribe Tropicini

Genus TROPICUS Pacheco

T. pusillus (Say) - - - - - ON PQ - - - - -
 americanus (Sharp)
 limbatus (Kiesenwetter)
 luteolus (LeConte)