



## Review of the Nearctic, Mexican and West Indian (Greater Antilles) species of *Colliuris* Degeer (Coleoptera: Carabidae: Odacanthini)

YVES BOUSQUET

Canadian National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada  
K1A 0C6. E-mail: yves.bousquet@agr.gc.ca

### Table of contents

Abstract .....	2
Introduction .....	2
Material .....	2
Genus <i>Colliuris</i> DeGeer, 1774 .....	3
List of species treated .....	4
Key to species .....	5
Pilatei group .....	7
<i>Colliuris pilatei</i> (Chaudoir, 1848) .....	7
Pensylvanica group .....	8
<i>Colliuris pensylvanica</i> (Linné, 1767) .....	9
<i>Colliuris sulcicollis</i> (Bates, 1891) .....	12
<i>Colliuris lengi</i> (Schaeffer, 1910) .....	12
Ludoviciana group .....	14
<i>Colliuris ludoviciana</i> (Sallé, 1849) .....	14
<i>Colliuris lioptera</i> (Bates, 1891) .....	18
<i>Colliuris tetrastigma</i> (Chaudoir, 1863) .....	20
<i>Colliuris caymanensis</i> Darlington, 1947, new status .....	22
<i>Colliuris ellipticeps</i> Liebke, 1930 .....	23
<i>Colliuris gundlachi</i> Darlington, 1934 .....	24
<i>Colliuris portoricensis</i> Liebke, 1930 .....	25
Noah group .....	25
<i>Colliuris noah</i> Darlington, 1934 .....	26
Subdistincta group .....	26
<i>Colliuris subdistincta</i> (Chaudoir, 1863) .....	26
Tristigma group .....	29
<i>Colliuris tristigma</i> (Bates, 1883) .....	29
Bivittis group .....	31
<i>Colliuris bivittis</i> (Chaudoir, 1872) .....	31
<i>Colliuris tubulifera</i> (Bates, 1878) .....	32
Marginestriata group .....	32
<i>Colliuris marginestriata</i> (Putzeys, 1845) .....	33
<i>Colliuris sulcicauda</i> (Bates, 1883) .....	34
Acknowledgements .....	37
References .....	37

## Abstract

The 18 species of the genus *Colliuris* occurring in Canada, United States of America, Mexico, and the Greater Antilles are redescribed and information on their distribution and habitat requirements is provided. A key for the separation of these species as well as other ones recorded from Central America is included. The following new synonymies are proposed: *Casnonia picta* Chaudoir, 1843, *Casnonia limbata* Waterhouse, 1878, *Colliuris picta* var. *extrema* Liebke, 1930, *Colliuris picta* var. *concluda* Liebke, 1930 and *Colliuris yucatanana* Liebke, 1930 with *Colliuris pensylvanica* (Linné, 1767) and *Apiodera transparens* Motschulsky, 1864 and *Colliuris subdistincta* var. *maculata* Liebke, 1930 with *Colliuris subdistincta* (Chaudoir, 1863). *Colliuris caymanensis* Darlington, previously considered a subspecies of *C. tetrastigma* (Chaudoir), is treated as a species, new status.

**Key words:** Coleoptera, Carabidae, Odacanthini, *Colliuris*, taxonomy, descriptions, distribution, habitat

## Introduction

Adults of most carabid genera represented in North America can be recognized on habitus alone. This is particularly true for the genus *Colliuris* DeGeer. The adults have markedly elongate pronotum and posteriorly narrowing vertex which make them easily recognizable. In fact, they look a little bit out of place in the family and Linné described the few species he knew in the genus *Attelabus* instead of *Carabus*.

Very little has been published about the taxonomy of the New World species of *Colliuris* aside isolated descriptions of new species. Liebke (1930) first reviewed the New World species and later (1938) presented an overview of the world fauna where all described species were assigned to subgenera. A key to subgenera and for some of them keys to species are included in his 1938 publication.

The purpose of this work is to review the species of *Colliuris* present in Canada, United States of America, Mexico, and the Greater Antilles.

## Material

This study is based on examination of about 3000 specimens of *Colliuris* borrowed from the following institutions. The names of the curators are listed after the institution addresses.

- AMNH: Department of Entomology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024, USA. Lee H. Herman.
- BMNH: British Museum (Natural History), Cromwell Road, London SW7 5BD, England. Stuart J. Hine and Christine Taylor.
- CAS: California Academy of Sciences, Department of Entomology, Golden Gate Park, San Francisco, California 94118, USA. Roberta Brett and David H. Kavanaugh.
- CMNH: Section of Entomology, Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, Pennsylvania 15213, USA. Robert L. Davidson.
- CNC: Canadian National Collection of Insects, Eastern Cereal and Oilseed Research Centre, Agriculture and Agri-Food Canada, Ottawa, Ontario K1A 0C6, Canada.
- CUIC: Cornell University Insect Survey, Department of Entomology, Cornell University, Ithaca, New York 14850, USA. James K. Liebherr.
- FMNH: Field Museum of Natural History, Roosevelt Road at Lake Shore Drive, Chicago, Illinois 60605, USA. Alfred F. Newton Jr.
- FSCA: Florida State Collection of Arthropods, Florida Department of Agriculture and Consumer Services, P.O. Box 147100, Gainesville, Florida 32614, USA. Paul Skelley.
- INHS: Illinois Natural History Survey, 607 East Peabody Drive, Champaign, Illinois 61820, USA. Colin Favret.
- IRSN: Institut royal des Sciences naturelles de Belgique, Rue Vautier 29, B-1000 Bruxelles, Belgique. Jacques Cools.