

**Article XXV.—SOME COLEOPTERA AND ARACHNIDA FROM
FLORISSANT, COLORADO.**

BY T. D. A. COCKERELL.

On previous occasions (*cf.* Bull. Am. Mus. Nat. Hist., XXII, p. 420) attention has been called to the fact that Florissant, notwithstanding its high altitude (about 8000 ft.), is rich in austral elements. It must be considered to belong to the upper part of the Transition Zone rather than to the Canadian. In 1906 I was able to collect small series of beetles and spiders, which have been very kindly determined by Messrs. H. C. Fall and N. Banks respectively; and it is thought worth while to present the lists herewith, owing to their bearing on the zonal position of Florissant. I have given particulars of the distribution elsewhere in the State of most of the species, and it will be seen at once that the great majority reach the edge of the plains, — that is, go practically to the *lower* limit of the Transition, as at Fort Collins, Denver, Colorado Springs, etc. Some, while ranging downwards to Buena Vista, etc., seem, like the plant *Hymenoxys*, to belong to the *west* side of the front range in the latitude of Florissant.

The asterisks before the names of the families and genera indicate that these have been found fossil in the shales.

COLEOPTERA.

*CARABIDÆ.

**Bembidium bifossulatum* Lec. Colorado Springs, Denver, etc.

Bembidium bimaculatum Kirby. Apparently a Canadian Zone species, but down to Buena Vista.

Bembidium lucidum Lec. Colorado Springs, etc.

Bembidium fuscicrum Mots. Salida, Buena Vista, etc.

**Platynus errans* Say, var. Salida, Buena Vista and South Park.

Platynus cupreus Lec. South Park and San Luis Valley.

Lebia viridis Say. Colorado Springs, etc. Extends to Guatemala.

Lebia scapularis Dej. San Luis Valley.

Cymindis planipennis Lec. Denver, Colorado Springs, etc. I have taken it at Boulder.

**Harpalus amputatus* Say. Denver, etc.

Harpalus furtivus Lec. Manitou, etc.

*DYTISCIDÆ.

Hydroporus rivalis Gyll. I did not take this, but Florissant is the type locality of the var. **congruus** Lec. (Bull. Hayden Surv., IV, 452).

***Agabus strigulosus** Lec. Florissant is the type locality of var. **nanus** Lec.

Colymbetes sculptilis Harr. Fort Garland.

*HYDROPHILIDÆ.

Berosus infuscatus Lec. Previously known vaguely from "Colorado."

Laccobius agilis Rand. is recorded by Wickham from Florissant.

*SILPHIDÆ.

***Silpha ramosa** Say, near Denver, etc.

*STAPHYLINIDÆ.

***Quedius explanatus** Lec. New to Colorado.

*COCCINELLIDÆ.

Hippodamia parenthesis Say. Denver, etc.

Coccinella transversoguttata Fab. Fort Collins, etc.

Helesius nigripennis Lec. Florissant is the type locality (Bull. Hayden Surv. IV, 453).

CRYPTOPHAGIDÆ.

Antherophagus pallidivestis Csy. New to Colorado.

*DERMESTIDÆ.

Orphilus ater Er. Halfway House, Pike's Peak.

*HISTERIDÆ.

Saprinus oregonensis Lec. Colorado Springs, etc.

*NITIDULIDÆ.

Meligethes mutatus Har. Colorado Springs, etc.

*ELATERIDÆ.

Hemicrepidius, probably new.

*BUPRESTIDÆ.

Chalcophora angulicollis Lec. Fort Collins, etc.

Buprestis consularis Gory. Colorado Springs, etc.

*LAMPYRIDÆ.

Telephorus lineola Fabr.?

Telephorus alticola Lec. The only other Colorado record is Garland.

Malthodes furcifer Lec. Veta Pass.

MALACHIIDÆ.

- Listrus senilis* Lec. Colorado Springs, etc.
Pseudallonyx plumbeus Lec. Beaver Brook, 6390 ft.

*CLERIDÆ.

- Hydnocera subfasciata* Lec. Colorado Springs, etc.

*SCARABÆIDÆ.

- Canthon praticola* Lec. Colorado Springs, etc.
Canthon simplex Lec.
Aphodius hamatus Say. Buena Vista, etc.
Aphodius fimetarius L. I have taken it at Boulder.

*CERAMBYCIDÆ.

- Phymatodes dimidiatus* Kirby. Usually at high altitudes.
Neoclytus muricatus Kirby. Fort Collins, etc.
Acmæops pratensis Laich. Colorado Springs, etc.
Tetraopes canescens Lec. Colorado Springs, etc.

*CHRYSOMCLIDÆ.

- Coscinoptera vittigera* Lec. Colorado Springs, etc. I have taken it at Boulder.
Plagiodes n. sp.? Also occurs in New Mexico.
Galerucella decora Say. Colorado Springs, etc.
Phyllobrotica decorata Say. Ft. Collins, near Boulder, etc.
Luperodes n. sp.
Chætocnema sp.

*BRUCHIDÆ.

- Bruchus fraterculus* Horn. I have taken it at Boulder.

*TENEBRIONIDÆ.

- Blapstinus sp.*

PYTHIDÆ.

- Lecontia discicollis* Lec. Fort Collins, etc.

*MORDELLIDÆ.

- Anaspis rufa* Say. Colorado Springs, etc., but usually at high altitudes. I took it at Ward, 9000 ft.
Mordella scutellaris Fab. Colorado Springs, etc., but goes to high altitudes.

*MELOIDÆ.

- Nemognatha lutea* Lec. Colorado Springs, etc.
Epicauta maculata Say. Colorado Springs, etc.

*CURCULIONIDÆ.

Hyperodes sp.***Cleonus grandirostris** *Csy.* New to Colorado; it has been found in New Mexico.**Prigodes** sp. apparently new. "Our only species of the genus is *setosus*, described long ago from Texas. The description applies well to this, except that this lacks the erect setæ completely." (H. C. Fall.)

ARACHNIDA.

PHOLCIDÆ.

Psilochorus pullulus *Hentz.* Ft. Collins, etc.

*DRASSIDÆ.

Micaria perfecta *Banks.* Ft. Collins.**Micaria montana** *Emert.*, or possibly new. "It agrees very well with *N. H. specimens*, but is paler; ♂ might show specific differences" (N. Banks). New to Colorado.

*CLUBIONIDÆ.

Castaneira descripta *Hentz.* New to Colorado.

*THERIDIIDÆ.

Lithyphantes corollatus *Koch.* Fort Collins, etc., but also as high as Leadville.

*EPEIRIDÆ.

***Tetragnatha laboriosa** *Hentz.* Fort Collins, etc.

*THOMISIDÆ.

Kysticus nigromaculatus *Keys.* Fort Collins. A rare species.**Oxyptila conspurcata** *Thor.* Fort Collins, etc.**Misumena vatia** *Clerk.* Fort Collins, etc.**Philodromus aureolus** *Walck.* Fort Collins, etc.

LYCOSIDÆ.

Pardosa glacialis *Thor.* New to Colorado.*PHALANGIDA.¹**Homolophus biceps** *Thor.* Fort Collins, etc.

PSEUDOSCORPIONIDA.

Obisium sp., probably new. Genus new to Colorado.¹ No fossil Phalangid has been reported, but *Leptobunus atavus* Ckll. was found in 1906.

ACARINA.

Trombidium sericeum Say. Fort Collins, etc.

Actineda agilis Banks. Fort Collins.

Rhyncolophus robustus Banks. Type locality is Fort Collins.

Phyllocoptes populi. In galls (shallow subcircular cavities with thickened hairs) on leaves of *Populus tremuloides*. Mr. Banks says the galls and mites agree with this European species, but he has no European specimens of the mites.

Three Diptera new to Colorado were determined by Mr. Coquillett; *Tersesthes torrens* Townsend, from Lake George June 18; and *Scatopse notata* L. and *Psilocephala munda* Loew, from Florissant. The bug *Dicyphus californicus* Stål was taken at Florissant July 3, and determined by M. Heidemann. The Coccid *Erium lichtensioides* (Ckll.) was common on *Artemisia*.

