

ELATER—Amphel.

APICATUS.—*Mels. Cat.* Antennae black; head and thorax black, finely punctured, and covered with short yellow hairs; elytra pale, with rows of fine punctures longitudinally arranged: the suture and apex black.

LUGUBRIS.—*Mels. Cat.* Head and thorax black, finely punctured, the latter covered with short yellow hairs; elytra red, with rows of fine punctures: black at the apex. (Note 7.)

ARRHENODES

SEPTENTRIONIS.—*Mels. Cat.* Snout nearly straight, equal in thickness throughout; thorax oval, mahogany-brown, smooth and highly polished; elytra striate polished, and darker than thorax, with yellow spots, two of which are near the apex.

♂ with jaws, the inside of each is armed with a small tooth. In June and July, on the trunks of white oak. (Note 8.)

ORTHOSOMA

CYLINDRICUM.—*Mels. Cat.* Head black; antennae short, black, compressed; thorax short, three-toothed; elytra compressed, nearly equal in breadth throughout, of a chestnut color, with three slightly elevated lines on each. Common on pine trees about the middle of July. Length 1½ to 1¾ inch.

ARRHOPALUS

FULMINANS.—*Mels. Cat.* Thorax globular, with three black spots, the middle one larger; elytra with angular waved white fasciae, thus; antennae short, ash colored; scutellum black. Toronto; very rare.

EUDERCUS

PICIPES.—*Mels. Cat.* Antennae as long as body; thorax oval, polished, and finely striate on top, narrow behind, with a few yellow hairs each side; elytra in front with a black velvet like spot, on which a yellow band forms an arch. On wild parsnip and other flowers. Small.

CLYTUS

SPECIOSUS.—Say, Am. Ent. 3, t. 53. *Harr. Ins. p. 84. "Head yellow; antennae and eyes reddish black; thorax black, with two transverse yellow spots on each side; elytra for about two-thirds of their length are black, the remaining one-third yellow,—a yellow spot on each shoulder,—a broad yellow curved band or arch, of which the scutellum forms the key-stone, on base of elytra: behind this, a zigzag yellow band, forming the letter W across the middle; another yellow band arching backwards, and on the yellow one-third—a curved band and spot of black; legs yellow; under side of body reddish-yellow, variegated with brown. It is the largest known species of Clytus, being from nine-tenths to eleven-tenths of an inch in length, and three-tenths in breadth. On the trunks of maple trees in July and August."* Rare.

MONOHAMMUS

TITILLATOR.—*Mels. Cat.* Head vertical or perpendicular; antennae very long; thorax spinous; elytra punctured, with several small black and grey spots. Common. Length 1 to 1½ inch.

SCUTELLATUS.—*Mels. Cat.* Antennae twice as long as body; thorax black, polished and densely punctured, with a spine each side; elytra densely punctured—the punctures largest in front; scutellum white; body beneath and legs black, polished. Taken by Richardson at Fort Simpson, on the Mackenzie river, in lat. 62° N. Toronto; not common.

TETRAOPES

TORNATOR.—*Mels. Cat.* Head, thorax, and elytra red; antennae black, with a raised black spot at the base; thorax, with a protuberance each side, and four black spots on top; six black spots on elytra; scutellum black; body beneath black. Don valley, on the *Asclepias syriaca*. Rare.

SAPERDA

PUNCTICOLLIS.—*Mels. Cat.* Jaws, eyes, and base of antennae black; head yellow: a round black spot on the front, and a black conical spot on the top; thorax yellow: with an oblong black spot on each side, and four black spots on the top; elytra black, widely margined with yellow; scutellum yellow, slightly raised; suture yellow, and connects at the apex with the exterior margin. Montreal; rare.

VESTITA.—*Mels. Cat.* Densely clothed with short yellowish ash-colored hairs; elytra slightly depressed on top, with a few black spots obliquely placed about the middle. Toronto.

TRIPUNCTATA.—*Mels. Cat.* Front of head and antennae dark brown; eyes black, circular, prominent; thorax yellow: with a black spot on each side of the breast, and two elevated black dots on the top, a third dot near the scutellum; in some specimens the middle dots on thorax are wanting; "elytra black, coarsely punctured in rows on the top, and irregularly on the sides and tips, each of which is slightly notched, and ends with two little points."—*Harris*. The form of this beetle is slender, cylindrical. On raspberry. Toronto, not common.

COMPOSIDEA

TRIDENTATA.—Oliv. Ins. 4, 28 Black; densely covered with ash colored pubescence; eyes black, oblong; a rusty-red stripe and two black spots on each side of the thorax; united to a rusty-red stripe on the margin of the elytra, are three oblique teeth of the same color: anterior tooth short and hooked: posterior one encompasses the suture to the apex. L. ½ inch.

DESMOCERUS

PALLIATUS.—*Mels. Cat.* Head narrow; third and three following joints of antennae abruptly thickened at the extremity, giving them a knotty appearance; thorax conical, uneven—with little sharp projecting points at each side of the base; fore part of the elytra dull orange color, the other half deep violet or Prussian blue; some specimens are glossed with green. In the centre of elytra the two colors are oblique—each being indented. In June and July on the common elder (*Sambucus Canadensis*). Toronto and Sault Ste. Marie, not common.

(To be continued.)

ADDENDA: BY HENRY CROFT.

Note 1. *Cic. purpurea*... Probably Kirby's Var. D.

"...Var. G. } Peninsula, rare.
" ...type. }

Cic. punctulata Toronto.

Cic. hirticollis "

2. *Ag. 8-punctatum* Gardens, not uncommon.

3. *Cal. scrutator* Toronto, Darlington.

Cychrus viduus Toronto, rare.

4. *Phyllophaga quercina* common, May beetle.

Omaliopsis vespertina Toronto, not uncommon.

Macrodaetylus subspinosus... " common.

Dichelonychia virescens " "

" testacea " "