

The specimens upon which this paper is based are in the collection of Professor T. D. A. Cockerell, to whom the writer is indebted for them and also for direction and help in this work.

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## Two new Silphids (Col.).

By (the late) FREDERICK BLANCHARD.

The two new species of *Choleva* in the Horn Collection bearing my Mss. names of *gratiosa* and *horniana*, are separated as follows:

Thorax and elytra coarctate; antennae with joints four and five subquadrate, fourth a little longer, sixth slightly wider than long, longer than the eighth, which is short transverse; male hind trochanters toothed; fifth ventral female entire. *clavicornis* Lec.

Sides of thorax and elytra nearly continuous; antennae with joints four to six transverse, gradually wider, sixth equal to eighth; fifth ventral of the female emarginate at middle of apex; hind trochanters simple in the male. Tyngsboro, Massachusetts, V. 19. *horniana* n. sp.

*Gratiosa* and *alsiosa* have the antennae longer than in the other species, third joint longer than the second, fourth as long as second; fifth ventral female entire.

Eighth joint of antennae longer, equal to the sixth or nearly so; anterior tibiae of male more slender, not curved or sinuate within; tarsi narrow in the same sex; elytra paler. Rangeley Lake, Maine, Aug. 1st. *gratiosa* n. sp.

Eighth joint of antennae very short. anterior tibiae of male stout, curved; front tarsi broadly dilated; first joint of middle tarsi wider; color at maturity piceous or black. *alsiosa* Horn.

[The above is an extract from a letter in reply to a request for information pertaining to these species.

The occurrence here at Chestnut Hill, Philadelphia, Pennsylvania, of both these *Silphids* and their incorporation under the manuscript names in a list of the Coleoptera of Pennsylvania soon to be published, makes it advisable to place the above descriptions on record.—CHAS. LIEBECK.]



1915. "Two new Silphids." *Entomological news, and proceedings of the Entomological Section of the Academy of Natural Sciences of Philadelphia* 26, 294–294.

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