

which are straight and a little longer than hand; femur longer than fingers. Mandibles large, not quite as long as cephalothorax. Cephalothorax not much wider in front than behind, not near as much so as in *Chth. pennsylvanicus*; hind eye about once or one and one-fourth its diameter from front eye, which is a little separated from anterior margin of cephalothorax. Abdomen narrow at base, growing wider near tip, end rounded, more than twice the length of the cephalothorax. Hind pairs of legs larger than front pairs; hind legs extending beyond abdomen, but the tip of the tibiae rarely reach the end of the abdomen. Under leaves in woods, Long Island, N. Y.; Ithaca, N. Y.; Washington, D. C.

Chthoniuss moestus, nov. sp

Length, 1.3 mm. Colour, more reddish than preceding, silvery spots not as distinct. Palpi short not reaching end of abdomen; femur short, cylindrical; fourth joint conical; hand very short, fingers straight, about twice the length of hand, about as long as femur. Mandibles large, tapering, not as long as cephalothorax. Cephalothorax quite a little broader in front than behind, more so than in *Chth. longipalpis*; eyes close together, about touching. Hind pair of legs short, not reaching beyond abdomen. Ithaca, N. Y., under stones in spring.

The described species of North American *Chthoniuss* may be separated by the following table:—

1	Cave species, two or no eyes	2
	Not cave species, four eyes	3
2	Hind legs about twice as long as the abdomen	<i>packardi</i> .
	Hind legs not much longer than the abdomen ..	<i>coecus</i> .
3	Eyes close together, almost touching	<i>moestus</i> .
	Eyes distinctly separated	4
4	Hind eyes about twice its diameter from front eye, ceph. much wider in front than behind	<i>pennsylvanicus</i>
	Hind eye not twice its diameter from front eye, ceph. but little wider in front than behind ..	<i>longipalpis</i> .

Atemnus, Can.

The eyes in this genus are indistinct or wanting; the mandibular apophysis is present, the dorsal scutæ softer than usual, and the fourth joint of the palpi is longer than is usual in the *Obisinae*. A species from California may be called

Atemnus californicus, nov. sp.

Length, 2.1 mm. Colour, cephalothorax and palpi reddish-yellow, abdomen and legs nearly white. Cephalothorax longer than broad, sides