

*Heterius brunnipennis* Rand. Occurs here occasionally with a medium-sized honey-yellow ant in April and May.

*H. Blanchardi* Lec. Mr. Blanchard, the discoverer of this species, took it and *Hister perpunctatus* with the same species of ant. (Tr., 8, 190.)

*Echinodes setiger* Lec. This singular form has occurred variously; in South Carolina and Georgia with a pale ant. (Horn. Proc. Am. Phil. Soc., 13, 305.) Zimmerman found it at Columbia, South Carolina, in April, with a small brown ant. (Tr., 2, 253.) And it has been taken in Habersham County, Georgia, in the nest of a small ant under bark. (Pr., 1859, 316.)

*Cremastochilus Schaumii* Lec. Dr. Horn frequently found this species in ants' nests in California. (Tr., 3, 339.)

*C. Westwoodi* Horn. Found in or near ants' nests in Owen's Valley, California, where it is not rare. (Pr. Am. Phil. Soc., 18, 139.)

*C. angularis* Lec. This species was taken frequently in ant's nests in California by Dr. Horn, who several times saw large black ants dragging the beetles towards their nests. He strongly suspects the fossæ at the anterior angles of the thorax and the finely punctured and perforated patches under the hind angles yield a secretion grateful to the ants. This species extends to Vancouver.

*C. variolosus* Kirby. One specimen occurred here with ants.

*C. canaliculatus* Kirby. Is the most abundant species found here; it is found from April till June with large black ants, perhaps of two species, inhabiting usually under stones or other covering, but not infrequently throwing up small mounds in old pastures and open ground. The nests under stones rarely yield more than two beetles, but the mounds often contain five or six at once, and with care will yield a crop every two or three weeks. The beetles are found near the surface, none having been taken below the plane of the base.

As soon as it becomes warm, from the middle of April onward, this species takes leave of the ants and flies away; like the *Cicindela* it only flies during the hottest sunshine and for short distances, alighting suddenly on a stone or the middle of a dusty road. Its flight is low and heavy, and after it lights cannot take wing again without some delay, and I have seen it flying as late as August. Whether after having left, the same beetles