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Note on Parasitism of Two Coccinellids, *Coccinella trifasciata perplexa* Muls. and *Coleomegilla maculata lengi* Timb. (Coleoptera : Coccinellidae) in Ontario

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In the Belleville, Ontario, district parasitism of 646 adults of *Coccinella trifasciata perplexa* Muls. by *Perilitus coccinellae* (Schrank) (Hymenoptera: Braconidae) was approximately seven per cent and of 363 adults of *Coleomegilla maculata lengi* Timb. 16 per cent in 1959. Mature parasite larvae emerged from both species of host adults after 20.9 ± 6.2 days of host feeding in the laboratory. The duration of the pupal stage was 10.7 ± 0.4 days and of the adult stage 8.9 ± 5.2 days (22°C . and 65 per cent R.H.). The host beetle usually remained inactive after the emergence of the parasite. Its feet were often entangled in the silk of the parasite's cocoon, and it died within 10 days. *P. coccinellae* emerged from adults of *C. maculata* obtained from fourth-instar larvae collected in the field and reared to the adult stage in the laboratory, and also from pupae collected in the field. This is the first authenticated record of this parasite attacking a host stage other than the adult in the field (Clausen 1940), and the second record for this species in Canada (Hudon 1959). Parasitized females of *C. maculata* laid fertile eggs up to 10 days before the emergence of *P. coccinellae*.

Total parasitism of both *C. trifasciata* and *C. maculata* by *Hyalomyodes triangulifera* (Loew.) (Diptera: Tachinidae) and an unidentified nematode was under one per cent. Thompson (1954) listed *C. maculata*, but not *C. trifasciata* as a recorded host for *H. triangulifera*.

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