



Fig. 2. Attack of *Sphinctomyrmex* on a *Myrmica ruginodis* worker.

species were offered. The diameter of connecting tubes could be reduced, with tube-clamps, so that the *Sphinctomyrmex* were able to pass, but the larger prey ants were confined to their respective compartment.

After a few preliminary experiments had revealed that foreign ants confined in compartments A or B were soon detected and attacked by *Sphinctomyrmex*, the prey items later were always placed into C or E.

While recruitment towards prey "colonies" could never be directly observed, our data strongly suggest that an effective recruitment system exists. After a group of prey ants (5–20 workers and brood) was placed in one of the compartments, and the connecting tube