

nent social parasites as *Vespa austriaca* and *arctica* among wasps, the species of the genus *Psithyrus* among bumble bees and those of the genera *Wheel-eriella* and *Epoecus* among ants, rather than *Anergates* and *Anergatides*, in which the modifications due to parasitism are so considerable.

5. There is only one consideration that would seem to cast doubt on the interpretation of the small red and black females and their males as workerless parasites and that is the presence of perfectly developed virgin *lineolata* females in the same nest, because we should expect the mother queen of the host colony to have been eliminated just after the intrusion of the parasite and hence to have been incapable of leaving either female or worker offspring. It is conceivable, however, either that the mother queen of the new *Crematogaster* may manage to secure her own adoption and the rearing of her offspring in the *lineolata* colony without supplanting its mother queen, or that the suppression of the latter may be greatly delayed and the rearing to maturity of her female offspring be permitted by the worker personnel.
6. That the small red and black females are parasites and are fertilized in the nest (as in *Anergates atratulus*, though this form has wingless, pupa-like males, so that a marriage flight is out of the question) is indicated by the fact that the 14 specimens are in part winged and in part wholly or partially deãlated, whereas the seven females of *lineolata* show no indications of losing their wings. And though Miss A. M. Fielde found that mating may take place in the nest in our common *lineolata*, the conditions in Professor Kennedy's colony suggest that the red and black females are more precocious than the winged females of their host. The differences in the behavior of the two kinds of females, noticed by Professor Kennedy, are also very suggestive in this connection.

As shown in the following description, the female of the new *Crematogaster* may be readily distinguished from the