

Species Index

[Notes on taxonomy: Synonyms of taxonomic names of insects and mites are cross-referenced in this index and also are indicated in the text. Most changes in generic names stem from the revised placement of species, or from the splitting of large genera into smaller groups of species (e.g. the anthomyiid genus *Hylemya*). This process, combined with a change in specific nomenclature, has produced cases such as that of the cabbage maggot, *Delia radicum*, formerly known as *Hylemy(i)a brassicae*. Two groups of species on which considerable work on diapause has been done also have been affected by recent taxonomic studies as follows.

1. Lacewings of the family Chrysopidae. The large genus *Chrysopa* has for several years been subdivided by European workers into several smaller genera. A number of species (e.g., *C. oculata*, *C. nigricornis*) remain in *Chrysopa*. Several others (e.g., *C. carnea* and relatives) are now placed in the genus *Chrysoperla*. North American populations of the common green lacewing were thought to belong to the same species as the European *Chrysoperla carnea*. Based simply on morphological characters, *C. downesi* would also be included in this species, as was done by Garland (1981, 1984). However, work on mating signals (Henry 1983, 1985a, b) shows that the European and North American populations are distinct, and in fact consist of several cryptic species, including *C. downesi*, though most of the species have a restricted distribution. The name *Chrysoperla plorabunda* is available for the widely distributed North American species (Henry 1983), to which earlier North American records of *C. carnea*, including extensive work on diapause by Tauber and Tauber, are referred.

2. Crickets of the genus *Pteronemobius*. Considerable work has been carried out by Masaki and others on diapause and related phenomena in Japanese *Pteronemobius* crickets. Recent studies (see taxonomic notes in Masaki 1983) show that the subtropical and temperate populations (south and north of 28°N in the Japanese Islands) of two species groups are specifically distinct. In both cases, the previously applied name properly belongs to the subtropical species. Therefore, temperate populations included previously in the species *P. fascipes* are the distinct species *P. nigrofasciatus*; temperate populations previously included in *P. taprobanensis* are the species *P. mikado*.]

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