

DEC 1, 1934

C.D.

Vol. XLVI.

13820



No. 11

NOVEMBER, 1934

# ENTOMOLOGIST'S RECORD AND JOURNAL OF VARIATION

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## Notes on Coccinellidae collected in the Barberton District, Eastern Transvaal.

By J. SNEYD TAYLOR, M.A., D.I.C., F.R.E.S.

Of the seventeen species of *Coccinellidae* mentioned in the following list, fifteen were observed by the writer, while the two species of *Lotis* were sent to him after he had left the district.

The writer's thanks are due to the Imperial Institute of Entomology for the determinations.

*Halyzia variegata*, F.—One specimen found on mulberry.

*Chilomenes lunata*, F., *Cydonia quadrilineata*, Muls., *C. geisha*, Gorb.—Three very common species occurring in large numbers upon aphid-infested cotton, as well as other crops, and doing useful work. (*Ent. Rec. & Jr. Var.* XLV. 119.)

*Chilocorus angolensis*, Crotch.—Common on Citrus, feeding upon *Pseudococcus* sp.

*Chilocorus distigma*, Goeze.—A very common species found feeding upon aphid on cotton, also upon *Pseudococcus* sp. on Citrus. An attempt was made to work out the life-history under laboratory conditions at Pretoria. The egg, which was found in small groups in the egg-masses of the mealy bug, hatched in from 6 to 8 days. During the summer the larval period occupied some six days, while in winter it varied from 33 to 37 days. The duration of the pupal period varied from 7 to 9 days in summer, and from 12 to 13 days in winter. The maximum number of progeny reared from one female was 93.

*Platynaspis capicola*, Crotch., *P. kollari*, Muls.—Both species were occasionally observed upon aphid-infested cotton.

*Hyperaspis senegalensis*, Muls.—Common on Citrus, feeding upon *Pseudococcus* sp. Under laboratory conditions at Pretoria the duration of the egg and larval periods combined was found to be about 26 days, while that of the pupal period varied from 14 to 16 days. A species of Chalcid, *Xenocrepis secundus*, Crawford, was bred from the pupa.

*Scymnus trepidulus*, Wse.—Common on aphid-infested cotton.

*Scymnus c-luteus*, Sic.—Common on Citrus, feeding upon *Pseudococcus* sp.

*Rodolia obscura*, Wse.—One specimen found feeding upon *Icerya purchasi*, Mask.

*Epilachna paykulli*, Muls.—One specimen found upon *Solanum sodomaeum*, Dunal. (Bitter Apple, or Apple of Sodom).

*Epilachna hirta*, Thunb.—A common species; both adults and larvae found feeding upon the foliage of *S. sodomaeum*, and also upon that of potato.

*Lotis collaris*, Wse., *L. nigerrima*, Casey.—Both species found in considerable numbers upon aphid-infested Citrus. (F. J. Stoffberg.)

## NOTES ON COLLECTING. etc.

MARRIAGE FLIGHTS OF *MYRMICA SCABRINODIS*, NYL.—My colleague, Mr. A. W. McKenny-Hughes, handed over to me a number of ♂♂ and ♀♀ of a *Myrmica*, which I found to be *M. scabrinodis*, Nyl. He informed me that they had fallen down the chimney in a house in a field, 600 ft. above sea level, at Birchall Hill, Leek, Staffs., early in September; and that the owner had been much perturbed about it.