

BIOLOGIC NOTES ON NEW MEXICO INSECTS.

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HEMIPTERA-HETEROPTERA.

All of the following species were determined by Dr. P. L. R. Uhler :—
Lioderma ligata, Stal.

In coitu on mesquite (*P. juliflora*), July 14. It was found numerous on Chinese cabbage on college farm July 16.

Moxena obtusa, Uhler MS.

Taken in July on *Prosopis juliflora*. *In coitu* July 8.
Chelinidea vittigera, Uhl.

Taken *in coitu* May 24 on a small fruit of *Opuntia*, Soledad Canon.
Hadronema militaris, Uhl.

Swept from alfalfa May 12.

Neurocolpus nubilus, Say.

This capsid was beaten extensively from flowers and foliage of mesquite (*P. juliflora*) May 10. May 12 to 16 both adults and larvæ were beaten. The adults vary from a light yellowish or greenish to brown and almost black, usually more or less mottled. They doubtless grow darker with age. The larvæ are of a clear, light green colour.

Calocoris superbus, Uhler.

This capsid is numerous on alfalfa, both adults and larvæ, and doubtless causes considerable injury to the plant. May 8 to 12 both stages were found in abundance. May 28 the adults were numerous, and a few nymphs were found. The adult is blackish, with orange or yellow on the sides. The larvæ and nymphs are green, with the extremity of the body brown. Predaceous heteroptera and lady-birds were also swept, which doubtless prey upon the capsid.

Calocoris sp.?

Beaten from scrub oak (*Quercus undulatus* var. *Wrightii*) in Soledad Canon May 24. It is very pale yellowish, with faint brownish markings. Oak determined by Mr. W. H. Evans.

Lygus pratensis, Lin. var.

Adults and larvæ swept from alfalfa May 12. Only adults swept May 28. The adults vary from light green or glassy to a uniform light and dark brown, and one specimen has only the posterior portions brown. The larvæ are green with black dots on the thorax, and one black dot in the middle of the first abdominal segment. This species is also, I believe, injurious to the alfalfa.