

NOTES AND ADDITIONS FOR 1928 TO THE NEW YORK STATE LIST (LEPIDOPTERA)

BY ALEX. B. KLOTS

ITHACA, N. Y.

Lyonetiidae

Bucculatrix quinquenotella Chambers. Ithaca, July 9, collected by writer at light. Not previously recorded from the state. Determined by the writer.

Gracilariidae

Gracilaria syringella Fabr. Bred by P. Harwood from larvæ on lilac, July 6, Philadelphia, N. Y. Determined by W. T. M. Forbes.

Micrurapteryx kollariella Zeller. Ithaca, July, collected on *Melilotus alba* by Morris Stewart. A European species not previously recorded from the United States. Determined by W. T. M. Forbes.

Saturniidae

Samia columbia Smith. A cocoon on hemlock (*Tsuga*), Lick Brook, Aug. 12, collected by M. Zaitzev, a Russian delegate to the Fourth International Congress of Entomology. Another cocoon in possession of Mr. T. H. Eaton. Determined by W. T. M. Forbes. The specimen collected by M. Zaitzev was hastily annexed to the Cornell U. collection.

Nymphalidae

Phyciodes tharos f. ab. *packardii* Saunders (= *reaghi* Reiff). McLean, July 6, collected by writer. Whether this suffused aberration is worth the retention of a name is doubtful. A similar form, fortunately not named, occurs of *P. batesii* Reakirt, of which a specimen is in the Cornell collection.

Pieridae

Eurymus eurytheme Boisduval. This species has suddenly appeared in considerable numbers everywhere around Ithaca,

having been taken by the writer at the following localities: Cornell Campus, on the streets of Ithaca, Ellis Hollow, McLean, Lick Brook, Buttermilk Falls, Mecklenberg, Taughannock State Park, and Connecticut Hill (altitude 2,095 ft.). The first record was a f. *amphidusa*, taken at Lick Brook, Aug. 12, by Mr. T. H. Eaton. A f. *eriphyle* ♂ was taken by the writer at the same locality and date. A female f. *eurytheme* (f. *keewaydin*) was taken by Mr. Brower at Lick Brook on Aug. 19.

This sudden abundance of *eurytheme* is most unexpected, inasmuch as the species has not been previously recorded from Ithaca. As seen above most of the forms have already been taken. *Eriphyle* and *keewaydin* have not been heretofore recorded from the state. The species may conceivably increase so as to be a pest to alfalfa growers, as it is in some parts of the Middle West.

Genitally *eurytheme* and *E. philodice* are distinct, although close. Examination of the organs of suspicious looking *philodice* males may furnish additional records of *eriphyle* and possibly of *autumnalis*. The writer believes that very possibly more or less natural hybridization occurs between *eurytheme* and *philodice*. That such is possible has been demonstrated by Professor Gerould, of Dartmouth.



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