

Additions to the Supplemental List of New Jersey Macrolepidoptera

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Abstract: Twenty-nine additional species, subspecies, and named aberrations with their food plants are here added to the *Supplemental List of Macrolepidoptera of New Jersey* which was published in 1965.

In this report twenty-nine species, subspecies, and named aberrations with their food plants are added to the supplemental list which I published in 1965. This number of additions is remarkable when it is realized that former collecting localities are being lost to the growing urbanization and industrialization occurring in this region. During the last ten years I have observed that the populations of the saturnids and the larger sphingids have been declining. This decline I had attributed to the increased use of insecticides and insecticide spraying. However, I doubt that this is the only reason, because the common, smaller Lepidoptera are as numerous as ever.

Most of the daytime and the nighttime collecting was done around Lakehurst, Lebanon, and Montague. More time than ever had to be spent looking for new places to collect, since the old locations either are being destroyed or are no longer as productive as formerly.

Two species, *Pieris napi oleracea* Harris and *Euptychia mitchellii* French, both mentioned in the lists of Smith and Comstock but considered doubtful by later authors, can now definitely be added to the New Jersey list. *Pieris virginensis* Edwards, not reported in the state since 1940, will be sought in the northern part of the state where a large stand of its food plant, *Dentaria diphylla* Michaux, has recently been located through the help of botanist friends.

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BUTTERFLIES (Identifying numbers are from dos Passos, 1964)

HESPERIIDAE

Thymelicus Hübner

123 *lineola* Ochsenheimer

form *pallida* Tutt 1896

Lakehurst, July 1, 4, 1967

Grasses, *Graminae* spp.

PIERIDAE

Pieris Schrank

278 *napi oleracea* Harris 1829

Newton, July 8, 1966 (collected by Mrs. C. F. dos Passos)

Toothwort, *Dentaria* spp.; rock cress, *Arabis* spp.; hedge mustard, *Sisymbrium officinale*.

LYCAENIDAE

Strymon Hübner412 *falacer* ab. "heathii" Fletcher 1903

Lakehurst, July 1, 1967 (collected by F. Rutkowski)

Oak, *Quercus* spp.; Hickory, *Carya* spp.

SATYRIDAE

Lethe Hübner638 *euridice euridice* Johansson 1763

Newton, July 1, 1966 (collected by F. Rutkowski)

Grasses, *Graminae* spp.*Euptychia* Hübner644 *mittchellii* French

Newton, July 6, 8, 12, 1966 and July 14, 1967

Grasses, *Graminae* spp.

MOTHS (Identifying numbers are from McDunnough, 1938)

ARCTIIDAE

ARCTIINAE

Phragmatobia Stephens1029-1 *lineata* Donahue and Newman 1941

Short Hills, June 23 and July 15, 1966; Lebanon, July 16, 1965 and June 29, 1966

Thoroughwort, *Eupatorium* spp.; probably other low herbs.*Apantes* Walker1052 *figurata* ab. "lugubris" Hulst 1887

Lakehurst, June 1, 6, 7, 1966

Dandelion, *Taraxicum officinale*; plantain, *Plantago Rugelii*.

PHALAENIDAE

ACRONICTINAE

Acronicta Ochsenheimer1151 *dactylina* Grote, melanic form, 1824

Lakehurst, June 27, 1967; Lebanon, June 30, 1966

Birch, *Betula* spp.; willow, *Salix* spp.

PHALAENINAE

Rhynchagrotis Smith1602 *cupida* Grote 1875

Lakehurst, July 20, 1965

Apple, *Malus* spp.; grape, *Vitus* spp.

HADENINAE

Polia Ochsenheimer1697 *cristifera* Walker 1858

Montague, July 30, August 27, 1966

Birch, *Betula* spp.; blueberry, *Vaccinium* spp.

Xylomiges Guenée1914 *dolosa* Grote 1880

Lebanon, April 21, May 2, 1965 and April 29, 1966

Poplar, *Populus* spp.

CUCULLINAE

Apharetra Grote2156-1 *purpurea* McDonnough 1940

Lakehurst, July 20, 1966 and July 26, 28, 1967

Blueberry, *Vaccinium* spp.

AMPHIPYRINAE

Neperigea McDonnough2636 *costa* Barnes & Benjamin 1923

Lebanon, August 27, 1966

Enargia Hübner2685 *decolor* Walker 1859

Montague, July 30, 1965 and July 20, 1966

Birch, *Betula* spp.; Poplar, *Populus* spp.*Amolita* Grote2696 *roseola* Smith 1903

Montague, July 30, 1967

ACONTIINAE

Erastria Ochsenheimer3119 *albidula* Guenée 1852

Newton, July 27, 1966

Acontia Ochsenheimer3202 *aprica* Hübner 1803

Lebanon, June 8, August 20, 1966 and May 5, Aug. 27, 1967

Hollyhock, *Althea rosea*

PLUSIINAE

Autographa Hübner3265 *ampla* Walker 1857

Lebanon, June 30, 1965

Juneberry, *Amelanchier* spp.

CATOCALINAE

Catocola Schrank3334 *maestosa* Hulst 1884

Lebanon, August 28, 1966

Black walnut, *Juglans nigra*3337 *nebulosa* Edwards 1864

Lebanon, September 24, 1959

Black walnut, *Juglans nigra*; Hickory, *Carya* spp.3342 *ilia* form obsolete Worthington 1883

Lakehurst, July 18, 1962 and July 23, 1965; Cape May, July 15, 1966

Zale Hübner-3478 *phalaeocapna* Franclemont 1950 (determined by genitalia)

Lebanon, May 27, 1957

-3494 *metatoides* McDonnough 1943

Montague, June 10, 1967

HYPENINAE

Gabara Walker

3633 *pulverosalis* Walker 1865

Lakehurst, August 14, 1967

Bomolocha Hübner

3690 *palparia* Walker 1861

Montague, July 17, 1965

Oak, *Quercus* spp.

HERMINIINAE

Camptyllochila Stephens 1918

3739 *julia* Barnes and McDunnough 1918

Lebanon, July 9, 1966

GEOMETRIDAE

LARENTIINAE

Hydriomena Hübner

4485 *renunciata* Walker 1862

Lebanon, May 19, 1966

Hydrelia Hübner

4597 *albifera* Walker 1866

Lebanon, June 2, 1966

ENNOMINAE

Hyperetis Guenée

5043 *amicaria nepiasaria* Walker 1860

Lebanon, May 19, 1965

Maple, *Acer* spp.; Oak, *Quercus* spp.; willow, *Salix* spp.

References and Literature Cited

- COMSTOCK, W. P. 1940. Butterflies of New Jersey. J. N. Y. Entomol. Soc., **48**: 47-84.
- DOS PASSOS, C. F. 1964. A Synonymic List of the Nearctic Rhopalocera. Lepidopterists' Society Memoir, No. **1**.
- FERNALD, M. L. 1950. Gray's New Manual of Botany. 8th ed., American Book Co.
- FORBES, W. T. M. 1923-1960. Lepidoptera of New York and Neighboring States. Parts I (section on Bombyces), II, III, and IV. New York Agric. Exper. Sta., Cornell Univ., Ithaca, N. Y.
- KLOTS, A. B. 1951. A Field Guide to the Butterflies. Cambridge, Mass.
- MCDUNNOUGH, J. H. 1938. Check List of the Lepidoptera of Canada and the United States of America. Part I. Macrolepidoptera. Southern Calif. Acad. Sciences.
- MULLER, J. 1965. Supplemental List of Macrolepidoptera of New Jersey. J. N. Y. Entomol. Soc., **73**: 63-77.
- SMITH, J. B. 1910. Report of New Jersey State Museum for 1909. Trenton, N. J.



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