

Supplemental List of Macrolepidoptera of New Jersey

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Abstract This is a supplement to the recorded Lepidoptera of New Jersey, Smith's *List of 1910*, and Comstock's *Butterflies of New Jersey 1940*. Additional species, subspecies, and named variations are listed.

The last list of butterflies collected in New Jersey and compiled by William Phillips Comstock in 1940 listed 132 species and 39 subspecies. This was 45 species more than District of Columbia, and only one species less than the State of Virginia.

The last report of the State Museum by John B. Smith, recording all insects known at that time, including a list of Lepidoptera was printed in 1910. There are still some butterflies and many moths listed in Smith's list I have never collected. Only a few are mentioned that are presently scarce or that have disappeared; *Euptoieta claudia*, *Lycaena thoe*, *Poanes viator*, *Sphinx luscitiosa*, *Papaipema cerina*, *Graptolitha lemmeri*, *Graptolitha viridipallens*. All except the last two were common in Elizabeth and Newark meadows at Otto Buchholz's time. Now an airport and highways have obliterated the whole area. The same is true for other wet areas that have been drained. Widespread construction has eliminated other collecting grounds. In an entomological paper, printed about the year 1920, one collector complained of losing collecting localities and blaming new developments. How many of his favorite places would he find now? What will be the situation forty years hence?

Collecting has been done over most of New Jersey over a period of 20 years but most of the additions have been made with the aid of black light during the last 10. This list adds over 200 species and 75 names of subspecies and variations. In some cases it is not practical to determine just what Smith had before him. This brings my N. J. collection to over 1,200 named categories. There may have been additional named categories caught in the State of N. J., of which I do not know; but since the Newark Entomological Society has been non-existent for years, and we have only a few collectors interested in moths, most of whom live out of state, these have probably been few in number. All species and names of lesser rank, dates, and localities in supplemental list are my own, except where otherwise noted. Numbers in this list are the same as in McDunnough's Check List. Wherever foodplant is not mentioned, it is not known. Plant names follow Fernald, 1950.

Around 1920 Frederic Lemmer caught the first melanic form *Amphidasis swettaria* Barnes and McDunnough, and it created considerable excitement when exhibited at the New York Entomological Society. At present *Amphidasis*

¹ My thanks to Cyril F. dos Passos for his suggestions on writing this list, and to Dr. A. E. Brower for some determinations and for corrections.

occurs about 50% black. Since that time many more melanics have shown up and of many more species, and more are caught every year. The whitish gray *Nacophora quernaria* A. and S. has disappeared completely to show up in black only. Others like *Epimecis virginia* Cram. turn up about 75% dark to black. Only a few years ago I named a melanic *Catocala*, form *broweri* Muller, known for but a few years. Now about 40% of those coming to light are black instead of the gray form *pulverulenta* Brower. Increases in melanism are observed in many other species also, especially in the *Acronicta* species.

BUTTERFLIES

PIERIDAE

Eurema Hübner

72 *lisa* Boisduval and LeConte

form *alba* Strecker

June–September. Chatham, Sept. 10.

Wild Senna, *Cassia marilandica* and *C. nictitans*.

SATYRIDAE

Cercyonis Scudder

116 *pegala* Fabricius

Cape May, July 19, 21.

Grasses.

This seems to be a permanent subspecies on Cape May as it has been observed several years.

NYMPHALIDAE

Melitaea Fabricius

256 *harrisii* Scudder

b *liggetti* Avinoff

High Point State Park, June 12, 15;

Union Valley, Apr. 12.

Aster, *Aster umbellatus*.

LYCAENIDAE

Strymon Hübner

373 *melinus* Hübner

ab *meinersi* Gunder

Union Valley, July 6; Stanton, July 8. Bush-clover, *Lespedeza hirta*, other legumes.

375 *ontario* Edwards

Lakehurst, Apr. 26, 28; July 1.

It was also caught at same locality by Ehle, Smaglinski, and Small at about the same time.

The butterfly likes to visit flowers of dogbane; hawthorn, *Crataegus*; oak, *Quercus* spp.

385-1 *caryaevorus* McDunnough

Common at Newton, June 28, July 8.

Also caught by dos Passos and Small at same locality. Single specimens also at Stanton, July 10, 12.

Hickory, *Carya*

Mitoura Scudder

401 *damon* Cramer

form *octoscripta* Buchholz

Mountain View, May 5, Buchholz.

Red cedar, *Juniperus virginiana*.

401-1 *hesseli* Ziegler and Rawson

Lakehurst, May 11, 13, Aug. 3, June 13, Sept. 30.

Caught at same locality also by Hessel, Rawson, Ziegler, dos Passos, and Buchholz.

White cedar, *Chamaecyparis thyoides*.

HESPERIIDAE

Thymelicus Hübner (*Adopaea*)

572 *lineola* Ochsenheimer

June 1st–July 1st. First discovered June 26, 1958 in Stanton by author. Now very common every year. Pale variety not yet found.

Grasses.

MOTHS

SPHINGIDAE

Ceratomia Harris

707 *undulosa* Walker

form *engeli* Chermock

Stanton, July 18, 19.

Ash, *Fraxinus* spp.; locust, *Robinia* and lilac, *Syringa* spp.

Sphinx Linnaeus

726 *franckii* Neumoegen

Lakewood, July 15; Stanton, July 1, 16, 26.

White ash, *Fraxinus americana*.

CITHERONIDAE

Citheronia Hübner858 *sepulchralis* Grote and Robinson

Lakehurst, June 2, 7, 12, 17, 27.

Pitch pine, *Pinus rigida*; white pine, *Pinus strobus*.

ARCTIDAE

Pagara Walker918 *simplex* Walker

Lakehurst, July 11; Short Hills, July 19; Stanton, June 4, July 20.

Dandelion, *Taraxicum officinale*.*Halisidota* Hübner985 *harrisii* Walsh

Short Hills ex ova, Nov. 5, June 12, July 6.

Sycamore, *Platanus occidentalis*.

Larva whitish, yellow head.

Eubaphe Hübner1019-1 *lamae* Freeman ? or undescribed

August 1–August 19. Stockton, Stanton.

Foodplant seems to be grasses as all specimens were caught in small grass plots. Imagoes show secondaries red with black dot, half black with black dot, red with black band, and all black.

Apantesis Walker1034 *intermedia* Stretch

Springdale Park, Sept. 12; Stanton, Sept. 27; Montague, Aug. 27.

Plantain, *Plantago rugelii*, *P. lanceolata*; dandelion, *Taraxicum officinale*.1052 *figurata* Drury

Scarce, end of May to end of September.

Short Hills, June 6; Stanton, May 24, June 9, July 2, Aug. 2.

Almost all of them were bred.

Dandelion, *Taraxicum officinale*; plantain, *Plantago rugelii*, *P. lanceolata*.form *excelsa* NeumoegenSame as *figurata*.Same as *figurata*.

Almost all of them were bred.

form *preciosa* NixonSame as *figurata*.Same as *figurata*.

All specimens were bred.

1057 *placentia* Abbot and Smith

Lakehurst, June 12, 16, 24, Aug. 11, 31.

Dandelion, *Taraxicum officinale*; plantain, *Plantago rugelii*, *P. lanceolata*.1060 *radians* Walker

Stanton, June 15, July 25, Aug. 19.

Dandelion, *Taraxicum officinale*; plantain, *Plantago rugelii*, *P. lanceolata*.*Hyphantria* Harris1074 *textor* Harris

High Point State Park, Apr. 23, May 5, Aug. 28.

Shade and orchard trees.

Utetheisa Hübner1099 *bella* Linnaeusa *venusta* Dalman

Late August to early October, Stockton, Aug. 18.

Band on secondaries solid and very fine.

Rattlebox, *Crotalaria*; cherry, *Prunus* spp.; elm, *Ulmus* spp.; *Lespedeza*; *Myrica*.*Haploa* Hübner1103 *lecontei* Guerinform *dyarii* Merrick

Stanton, May 24, June 6, July 2, Aug. 2.

General feeder, reared on grape and apple by author.

PHALAEINIDAE

Charadra Walker1135 *deridens* Gueneeform *fumosa* Draudt

Stanton, Apr. 30, May 8, 25, July 2, Aug. 27.

Oak, *Quercus* spp.; birch, *Betula* spp.; elm, *Ulmus* spp.*Acronicta* Ochseneheimer1148 *americana* Harrisform *obscura* Hy. EdwardsStanton, Apr. 6, June 8, 22, 27, July 11; Lakehurst, May 8, June 8, July 9. Wild cherry, *Prunus* spp.1157 *radcliffei* Harvey

Stanton, Apr. 22, 27, May 21, July 11, Aug. 22; Lakehurst, May 8, June 8, July 9.

Wild cherry, *Prunus* spp.

- 1162 *falcula* Grote
Montague, June 1, July 27; Flanders,
Aug. 15, 29.
Hazel, *Corylus* spp.
- 1164 *albarufa* Grote
Lakehurst, June 1, Lemmer; Aug. 1,
Lemmer.
- 1176 *hasta* Guenee
form *wanda* Buchholz
Stanton, May 2, 15, June 22, July 24;
common.
Wild cherry, *Prunus* spp.
- 1184 *pruni* Harris
June to September. Short Hills, July
20; Stanton, May 17, June 8, 21, Aug.
17, 20.
Apple, *Malus malus*; cherry, *Prunus*
spp.
- 1192 *tristis* Smith
Lakehurst, May 28, Aug. 17; Stanton,
Aug. 4.
Apple, *Malus malus*; beech, *Fagus*
grandifolia.
- 1198 *afflicta* Grote
June to August, Lakehurst, May 25;
Stanton, May 29, June 9, Aug. 29.
Oak, *Quercus* spp.; black walnut,
Juglans nigra.
form *schmalzriedi* Lemmer
Very common, time of flight and food
same as *afflicta*.
- 1199 *brumosa* Guenee
Lakehurst, June 6, 11, 18.
Birch, *Betula* spp.; hickory, *Carya*;
plum, *Prunus domestica*; willow, *Salix*
spp.
- 1201 *impleta* Walker
ab *krautwormi* Chermock
Stanton, Apr. 22, June 2, 19; Lake-
hurst, June 7; Stokes State Park, May
19, June 27.
Maple, *Acer* spp.; oak, *Quercus* spp.
- 1204-1 *brillians* Franclemont
Short Hills, June 17; Stanton, Aug. 9;
Montague, July 22, 27.
- 1207 *longa* Guenee
May to August, Stanton, May 2, 24,
June 9, Aug. 3.
Birch, *Betula* spp.; oak, *Quercus* spp.;
willow, *Salix* spp.
- form *set* Barnes and Benjamin
Same as *longa*.
Same as *longa*.
- 1216 *lanceolaria* Grote
Scarce, Lakehurst, Apr. 24, 27, May
12.
Cherry, *Prunus cerasus*; willow, *Salix*
spp.
- Merolonche* Grote
1219 *dolli* Barnes and McDunnough
Scarce, Lakehurst, Apr. 2, 20, 24.
Cranberry, *Vaccinium* spp.
- Simyra* Ochsenheimer
1222 *henrici* Grote
form *fumosa* Harris
Stanton, Apr. 20, 23, May 2, 7.
Willow, *Salix* spp.; sedges, *Carex* spp.;
grasses.
- Euxoa* Hübner
1272 *detersa* Walker
a *personata* Morris
Imago on seaside glodenrod.
Lakehurst, June 26, Sept. 20; Ocean
City, Oct. 4.
Grasses.
- 1315 *scholastica* McDunnough
Stanton, June 23.
- Agrotis* Ochsenheimer
1428 *buchholzi* Barnes and Benjamin
Lakehurst, Apr. 12, May 10, June 6,
Aug. 17.
- 1437 *subporphyrea* Walker
Lakehurst, May 24, June 8, 12, 25.
Sundew, *Drosera* spp.; Cranberry.
- 1441 *heinrichi* Barnes and Benjamin
Lakehurst, Apr. 20, 24.
- Feltia* Walker
1442 *ducens* Walker (Smith probably had
this under another name.)
Stanton, Aug. 27, Sept. 7, 19, 25.
Celery, *Apium graveolens*; cabbage,
Brassica oleracia; lettuce, *Lactuca*
sativa; general feeder on low plants,
trees and shrubs.
- Choeophora* Grote
1474 *fungorum* Grote
Stanton, Sept. 4; Lakehurst, Oct. 2,
5, 8.
Dandelion, *Taraxicum officinale*.

Metalepsis Grote1494 *salicarum* WalkerStanton, Apr. 16; Montague, Apr. 15;
Short Hills, Apr. 16.*Peridroma* Hübner1496 *margaritosa* Haworthform *fuscobrunnea* StrandMay to September, Stanton, Sept. 15,
Oct. 20, 27.General feeder, maple, *Acer* spp.; cab-
bage, *Brassica oleracea*; shrubs and
forest trees.*Diarsia* Hübner1507 *jucunda* Walker

Montague, July 1.

Anomogyna Staudinger1562 *dilucida* Morrisonform *youngi* SmithLakehurst, Sept. 24, 30, Oct. 6, 14.
Blueberry, *Vaccinium* spp.*Polia* Ochsenheimer1675 *latex* Gueneeunnamed melanic form, Stanton, May
13, 19, June 7, 27.1691 *adjuncta* Boisduvalfor *benjamini* LemmerStanton, May 13, 27, June 4, Aug. 15.
Asparagus, *Asparagus officinalis*; wild
strawberry, *Fragaria virginiana*; other
low plants.1693 *assimilis* Morrison

Waterloo, May 8, 10, 12.

Willow, *Salix* spp.; goldenrod, *Sal-
idago* spp.; St. Johnswort, *Hypericum*
spp.*Lacinipolia* McDunnough1734 *imbuna* SmithShort Hills, Sept. 15, 19; Stanton,
Sept. 17, 23.1750-1 *implicata* McDunnoughStanton, Sept. 11; Lakehurst, Aug. 10,
Lemmer.Dandelion, *Taraxicum officinale**Sideridis* Hübner1800 *rosea* Harvey

Montague, May 25.

Anepia Hempson1804 *capsularis* GueneeShort Hills, May 24; Stanton, May 27,
June 3; Lakehurst, May 20, 27.*Tricholita* Grote1821 *signata* Walkerform *igna* Barnes and BenjaminCommon, Short Hills, Aug. 28; Stan-
ton, Aug. 20.Dandelion, *Taraxicum* spp.; plantain,
Plantago spp.*Orthodes* Guenee1877 *calceolaria* StreckerShort Hills, June 8; Stanton, May 4,
14, June 29.

General feeder on low plants.

1890 *furfurata* Groteb *lindseyi* BenjaminLakehurst, Aug. 20; Short Hills, May
19, June 7, Sept. 1.Wild cherry, *Prunus* spp.*Morrisonia* Grote1901 *mucens* Hübner

Lebanon State Park, May 8.

1903 *evicta* Groteform *vomerina* GroteStanton, Apr. 27, May 5, 25; Lake-
hurst, Apr. 25.Wild cherry, *Prunus* spp.*Xylomyges* Guenee1917 *alternans* Walker

Lakehurst, Apr. 20.

Honeysuckle, *Lonicera* spp.*Orthosia* Ochsenheimer1941 *alurina* Smith

One specimen Short Hills, Apr. 5.

Cherry, *Prunus virginiana**Leucania* Ochsenheimer1975 *inermis* ForbesShort Hills, Apr. 17, Aug. 20, Sept. 2,
Oct. 18; Lakehurst, Apr. 3.

Grasses.

1991 *latiuscula* Herrich-SchaefferLakehurst, Oct. 11; Short Hills, Apr.
14.Southern species, larva on sugarcane in
Cuba.*Cucullia* SchrankStanton, May 27, June 12, Aug. 4;
Lakehurst, May 25.

Low plants.

2041 *florea* GueneeLakehurst, May 25; Short Hills, May
8, July 29, Sept. 26; Stanton, Aug. 20.

Low plants.

Feralia Grote2185 *major* SmithUnion Valley, Mar. 30, Apr. 10, 17;
melanic form in Lakehurst, Apr. 10,
15.White pine, *Pinus strobus*.*Eutolyte* Grote2193 *electilis* Morrison

Stanton, Apr. 25, May 15.

Hickory, *Carya*.2195 *depilis* Grote

Stanton, Apr. 2, 19, May 5, 19, 22.

Brownish marked form is more plenti-
ful in Stanton than gray form.Hickory, *Carya* spp.*Lemmeria* Barnes and Benjamin2214 *digitalis* Grote

Lakehurst, Oct. 6, 17.

Lithomoia Hübner2216 *solidaginis* Hübnera *germana* Morrison

Sunrise Mt., Sept. 29 .

Cranberry, *Vaccinium*.*Graptolitha* Hübner2217 *semiusta* Grote

Stanton, Oct. 18.

Basswood, *Tilia* spp.; cherry, *Prunus*
spp.2219 *patefacta* Walker

Short Hills, Oct. 20; Stanton, Oct. 26.

Chokecherry, *Prunus virginiana*2222 *petulca* GroteStanton, Mar. 25, Apr. 18, Oct. 13, 26,
Nov. 1.Chokecherry, *Prunus virginiana*.2225 *disposita* Morrison

Lakehurst, Apr. 20.

Chokecherry, *Prunus virginiana*.2226 *hemina* Groteform *lignicosta* Franclemont

Short Hills, Mar. 28, 31, Oct. 20;

Stanton, Mar. 27, Apr. 1, Oct. 16.

Chokecherry, *Prunus virginiana*.2232 *lemmeri* Barnes and BenjaminLakehurst, Nov. 11, Lemmer; Nov. 21,
Lemmer.White cedar, *Chamaecyparis thyoides*.2236 *querquera* Grote

Short Hills, Mar. 27, Oct. 12, 15;

Stanton, Oct. 24, 28.

2237 *viridipallens* GroteLakehurst, Nov. 7, Lemmer; Nov. 17,
Lemmer.2241 *tepida* Grote

Stanton, Nov. 23.

2251 *nigrescens* Engel

Stanton, Apr. 22, Sept. 28, Oct. 3, 22.

2252 *pexata* GroteShort Hills, Mar. 26, Apr. 31, Sept.
9, Oct. 24.Alder, *Alnus* spp.2255 *lepida* Lintnera *adipel* BenjaminLakehurst, Nov. 2, Lemmer; Nov. 22,
Lemmer; Nov. 28, Lemmer.Red pine, *Pinus resinosa*.*Harpaglaea* Hampson2290 *tremula* Harvey

Lakehurst, Oct. 6, 9.

Pyreferra Franclemont2300-1 *citromba* FranclemontShort Hills, Mar. 27, 30; Stanton, Apr.
13, Sept. 26.Hazelnut, *Corylus americana*.2301 *pettiti* Grote

Stanton, Oct. 30.

Yellow birch, *Betula lutea*; black
birch, *B. lenta*.*Eupsilia* Hübner2305 *morrisoni* Grote

Stanton, Oct. 7.

Oak, *Quercus* spp.; elm, *Ulmus*; plum,
Prunus.*Anathix* Franclemont2317 *ralla* Grote and RobinsonMontague, Aug. 24; Stanton, Sept. 24,
Oct. 3.2318 *puta* Grote and Robinson

Montague, Aug. 24.

Septis Hübner2329 *nigrior* Smith

Stanton, June 16.

2351 *arctica* Boisduvalab *formosus* Ellsworth

Stanton, July 13, 18.

Cabbage, *Brassica oleracea*; lettuce,
Lactuca sativa; corn, *Zea mays*.2364 *indocilis* Walker

Absecon, July 18.

- 2365 *finitima* Guenee
Stanton, June 12.
Wheat, *Triticum aestivum*; corn, *Zea mays*, and other grasses.
- Agroperina* Hampson
2374 *helva* Grote
Short Hills, Aug. 15; Stanton, Aug. 6, 20.
- Crymodes* Guenee
2375 *devastator* Brace
Stanton, July 18, Aug. 3, 28, Sept. 3.
Peach, *Prunus persica*; cabbage, *Brassica oleracea*; alfalfa, *Medicago sativa*.
- Oligia* Hübner
2416 *exhausta* Smith
Stanton, July 10.
- 2426 *fractilinea* Grote
form *vulgivaga* Morrison
Stanton, Aug. 5; Montague, Sept. 11.
Corn, *Zea mays*.
form *misera* Grote
Stanton, Aug. 14.
Corn, *Zea mays*.
- Spartiniphaga* McDunnough
2437 *includens* Walker
Union Co., Apr. 20, Buchholz.
Wet places, borer in grasses?
- Helotropha* Lederer
2457 *reniformis* Grote
Short Hills, Aug. 4; Stanton, Sept. 1.
Borer in corn, *Zea mays*; *Iris* spp.
form *atra* Grote
Short Hills, Sept. 2; Stanton, Aug. 24, Sept. 11.
Same as *reniformis*.
- Hydroecia* Guenee
2426 *stramentosa* Guenee
Montague, Aug. 17, 26, Sept. 16, Oct. 19.
Larva seems to be a borer in *Scrophularia lanceolata*.
- Archanara* Walker
2442 *laeta* Morrison
Stanton, July 29.
Burr-reed, *Sparganium*.
- Papaipema* Smith
2478 *cerina* Grote
Elizabeth, Sept. 22, Buchholz. Very scarce.
Turk's-cap lily, *Lilium superbum*, and related species.
- 2480 *stenoscelis* Dyar
Lakehurst, Sept. 10, 19, Oct. 2, 6, 26.
Scarce, found larvae 50% parasitized.
Roots of *Woodwardia* fern.
- 2481 *inquaesita* Grote and Robinson
form *wyatti* Barnes and Benjamin
Montague, Sept. 28; Stanton, Sept. 21, Oct. 5.
In roots of sensitive fern, *Onoclea sensibilis*.
- 2482 *speciosissima* Grote and Robinson
ab *regalis* Wyatt and Beer
Lakehurst, Sept. 10, 15, 20.
In roots of cinnamon fern, *Osmunda cinnamomea*.
- 2488 *nephraesyntheta* Dyar
Scarce, Lakehurst, Oct. 3; Stanton, Oct. 23.
- 2489 *nepheleptena* Dyar
Very scarce, found by Buchholz late September to early October.
Larva bores in turtle head, *Chelone glabra*.
- 2495 *artivorens* Hampson
Stanton, Aug. 28, Sept. 2, 6, 20, 28.
Larva bores in thistle, *Cirsium* spp.; burdock, *Arctium* spp.
- 2496 *humuli* Bird
Two Bridges, Aug. 28, Sept. 6, 10.
Larvae makes a gall in vines of hop, *Humulus lupulus*.
- 2498 *merrickata* Bird
Stanton, Aug. 30, Sept. 10, 17, 28.
Bores in roots of mayapple, *Podophyllum peltatum*.
- 2508 *lysimachiae* Bird
Elizabeth, Aug. 31, Sept. 3, 6, 8.
Whorled loosestrife, *Lysimachia quadrifolia*; tiger lily, *Lilium tigrinum*.
- 2519 *nelita* Strecker
Lincoln Park, Oct. 11.
Burdock, *Arctium* spp.; tall cone-flower, *Rudbeckia laciniata*.
- 2521 *frigida* Smith
form *thalictri* Lyman
New Vernon, Sept. 18; Morristown, Sept. 1, 27; New Foundland, Sept. 20.
Meadow rue, *Thalictrum polygamum*.
- 2525 *nebris* Guenee
Common, Stanton, Aug. 20, Sept. 5, 10, 28.

General feeder in fleshy herbs and garden plants; horseweed or great ragweed, *Ambrosia trifida*; *Chrysanthemum* spp.; *Delphinium* spp.; pink, *Dianthus caryophyllus*; dahlia, *Dahlia variabilis*.

2527-1 *mulleri* Buchholz

Waterloo, Aug. 30, Sept. 4, 9, 12; Stanhope, emerged Aug. 4 to Sept. 16 (Buchholz).

Root of sunflower, *Helianthus strumosus*.

2528 *maritima* Bird

Morristown, Sept. 5, 10, 16, Oct. 1.

Tall sunflower, *Helianthus giganteus*.

Larva makes gall above root.

Parapamea Bird

2532 *buffaloensis* Grote

Green Village, Aug. 2, 5, 21.

Larva in roots in lizards tail, *Saururus cernuus*.

form *simplicissima* Bird

Green Village, Aug. 5, 11, 17.

Lizards tail, *Saururus cernuus*.

Euplexia Stephens

2533 *benesimilis* McDunnough (*lucipara* of Smith, not an addition).

Short Hills, May 20, 22; Stanton, May 25, June 5.

Birch, *Betula* spp.; *Viburnum* spp.

Conservula Grote

2537 *anodonta* Guenee

Green Village, July 2, Rummel.

Euherrichia Grote

2542 *granitosa* Guenee

Lakehurst, June 4, July 2.

Chytonix Grote

2553 *chlorostigma* Harvey

Stanton, July 4, 8, 15, 18.

2555 *sensilis* Grote

Stanton, Aug. 6, 15, 20, Sept. 2.

Platysenta Grote

2622 *concosa* Walker

Stanton, Oct. 5.

2623 *sutor* Guenee

Short Hills, Oct. 13; Stanton, Oct. 11, 29, Nov. 1.

Elaphria Hübner

2645 *versicolor* Grote

Stanton, May 2, 19, 25, June 1.

Pine, *Pinus* spp.; black walnut, *Juglans nigra*.

Cosmia Ochsenheimer

2687 *canescens* Behr

Stanton, June 27, July 1, 17, 29.

Oak, *Quercus* spp.

form *calami* Harvey

Same as *canescens*.

Arzama Walker

2704 *brehmei* Barnes and McDunnough

Florham Park, July 22, Aug. 18; Lakehurst, May 5, June 16.

Larva dug and reared from arrowhead, *Sagittaria latifolia*, by author.

2705 *densa* Walker

Short Hills, July 4, Aug. 2, 10.

Pickerelweed, *Pontederia cordata*.

Bellura Walker

2710 *diffusa* Grote

Florham Park, June 11.

Yellow water lily, *Nymphaea advena*.

Derrima Walker

2719 *stellata* Walker

Lakehurst, July 29; Montague, Aug. 6.

Heliothis Ochsenheimer

2931 *phloxiphaga* Grote and Robinson

Frenchtown, Aug. 8.

Aster, *Aster* spp.

2933-1 *subflexa* Guenee

Lakehurst, Aug. 21, 27.

Nightshade, *Solanum* spp.; tomato, *Lycopersicum esculentum*.

Schinia Hübner

3017 *obscurata* Strecker

Stanton, June 2, 8, 12, 21.

Fleabane, *Erigeron* spp.

Oruza Walker

3074 *albocostaliata* Packard

Stanton, Aug. 9, 16.

Cryphia Hübner

3099 *pervertens* Barnes and McDunnough

Lakehurst, June 27; Stanton, June 29.

Elm, *Ulmus* spp.

Protocryphia Barnes and McDunnough

3102 *secta* Grote

Lakehurst, July 1.

Red oak, *Quercus rubra*; white oak, *Q. alba*.

Exyra Grote

3106 *rolandiana* Grote

Lakehurst, June 2, 12, 15, 28.

Larva feeds and pupates in pitcher of pitcher plant, *Sarracenia purpurea*, sealing pitcher off with silk web.

Neoerastria McDunnough

3127 *caduca* Grote

Lakehurst, June 16, July 6, 14, 27.

Arrow head, *Sagittaria* spp.

Amyna Guenee

3136 *octo* Guenee

Montague, Oct. 26.

A straggler from the South; pigweed, *Chenopodium*.

Paectes Hübner

3228 *pygmaea* Hübner

Lakehurst, June 15, 20, 26.

Probably sweetgum, *Liquidambar styraciflua*.

Baileya Grote

3238 *doubledayi* Guenee

Lakehurst, May 9, July 2; Montague, July 27; Stanton, May 27.

Alder, *Alnus* spp.

3240 *australis* Grote

Lakehurst, Aug 27; Short Hills, June 2; Stanton, May 16, July 18.

3242 *levitans* Smith

Short Hills, Apr. 30, May 20, July 7; Stanton, June 10.

Catocala Schrank

3342 *ilia* Cramer

form *umbrosa* Worthington

Stanton, July 5, 20, Aug. 10, 15.

Larva on oak, *Quercus* spp.

form *satanas* Reiff

Stanton, July 13, 24, Aug. 6, 16.

Oak, *Quercus* spp.

3343 *cerogama* Guenee

form *ruperti* Franclemont

Newton, Aug. 3, 6, 8.

Linden, *Tilia* spp.; swamp maple, *Acer rubrum*.

3346 *unijuga* Walker

form *agatha* Beutenmüller

Stanton, June 19, 27, July 28.

Willow, *Salix* spp.; aspen, *Populus* spp.

3347 *parta* Guenee

ab *petulans* Hulst

Stanton, July 20; one bred specimen.

Poplar, *Populus* spp.; willow, *Salix* spp.

form *perplexa* Strecker

Stanton, July 10, 18, 21, 29.

Poplar, *Populus* spp.; willow, *Salix* spp.

form *forbesi* Franclemont

Stanton, July 10, 15, 20, 28.

Poplar, *Populus* spp.; willow, *Salix* spp.

3362 *meskei* Grote

Roselle Park, July 28; Short Hills, July 25; Stanton, July 26.

Poplar, *Populus* spp.

3375 *amatrix* Hübner

form *selecta* Walker

Stanton, Aug. 30, Sept. 5, 10.

Willow, *Salix* spp.; poplar, *Populus* spp.

3385 *sordida* Grote

form *metalomus* Mayfield

Lakehurst, July 6, 10; Stanton, July 13, 19.

Vaccinium sp.

3386 *gracilis* Edwards

form *cinerea* Mayfield

Lakehurst, July 3, 9, 13.

Vaccinium sp.; oak, *Quercus* spp.

3396 *crataegi* Saunders

Stanton, June 2, 13, 27, July 4, 22.

Thorn, *Crataegus* spp.; apple, *Malus malus*.

3397 *mira* Grote

Stanton, June 18, 24, July 8, 12.

Thorn, *Crataegus* spp.; apple, *Malus malus*.

3408 *minuta* Edwards

form *hiseri* Cassino

Hamden, July 12.

Honey locust, *Gleditsia triacanthos*.

3411 *connubialis* Guenee

form *cordelia* Hy. Edwards

Stanton, July 12, 19, 20.

Red oak, *Quercus rubra*.

form *pulverulenta* Brower

Short Hills, July 6, 14; Stanton, July 12, 20.

Red oak, *Quercus rubra*.

form *broweri* Muller

Stanton, July 8, 14, 20, 26.

Red oak, *Quercus rubra*.

3412 *amica* Hübner

form *nerissa* Hy. Edwards

- Lakehurst, July 8, 18, 29; Stanton, July 15, Aug. 8.
Oak, *Quercus* spp.
- a *lineella* Grote
Lakehurst, July 9; Montague, Aug. 10; Stanton, July 9, 24, Aug. 8.
Oak, *Quercus* spp.
- Mocis* Hübner
3435 *texana* Morrison
Lakehurst, May 28; Short Hills, July 22; Stanton, May 28, June 20.
Crabgrass, *Digitaria sanguinalis*.
- Ptichodis* Hübner
3439 *vinculum* Guenee
Stanton, May 14, June 4, July 26, Aug. 7.
3442 *bistrigata* Hübner
Lakehurst, May 10.
- Doryodes* Guenee
3461 *spadaria* Guenee
a *grandipennis* Barnes and McDunnough
Ocean City, June 16, Sept. 11, Oct. 17.
Salt marsh grass.
- Zale* Hübner
3478 *galbanata* Morrison
Stanton, Apr. 12, 17, May 6, 8.
3484 *minerea* Guenee
ab *albofasciata* Bethune
Lakehurst, Apr. 28, 30; Stanton, May 24, June 18.
Willow, *Salix* spp.; apple, *Malus malus*; birch, *Betula* spp.
3489 *benesignata* Harvey
b *submediana* Strand
Lakehurst, Apr. 22, May 24, June 23; Montague, Aug. 17.
Pine, *Pinus* spp.
3490 *duplicata* Bethune
Montague, May 27, 31, June 17, 27.
White pine, *Pinus strobus*; jack pine, *Pinus banksiana*.
3491 *helata* Smith
a *ruperti* McDunnough
Lakehurst, May 24, 26, 31.
Jack pine, *Pinus banksiana*; scrub pine, *Pinus virginiana*.
3494 *curema* Smith
Lakehurst, May 10.
3500 *calycanthata* Abbott and Smith
Lakehurst, May 8, Hessel; also caught by Buchholz and Lemmer.
- Hairy allspice, *Calycanthus floridus*;
oak, *Quercus* spp.; birch, *Betula* spp.
3535 *carneicosta* Guenee
Stanton, July 2, 12, 26, Aug. 17.
Oak, *Quercus* spp.; hickory, *Carya*;
willow, *Salix* spp.
- Drasteria* Hübner
3562 *occulta* Hy. Edwards
Lakehurst, May 1, 6, June 17.
Huckleberries, *Gaylussacia* spp.
- Antiblemma* Hübner
3593 *inexacta* Hübner
Short Hills, June 16.
Southern straggler.
- Strenoloma* Grote
3595 *lunilinea* Grote
Hamden, May 16, June 6, 15, Aug. 12, Sept. 13.
Honey locust, *Gleditsia triacanthos*.
- Hypsoropha* Hübner
3610 *monilis* Fabricius
Short Hills, May 11; Stanton, May 8, 18.
Persimmon, *Diospyros virginiana*.
- Anomis* Hübner
3618 *flava* Fabricius
a *fimbriago* Stephens
Short Hills, Oct. 27. Subtropical North American straggler.
Malvaviscus and okra.
3622 *editrix* Guenee
-1 *illita*
Stanton, Oct. 2, 3, 21.
- Dyspyralis* Warren
3716 *illocata* Warren
Stanton, July 15, 16, 19.
3717 *puncticosta* Smith
Stanton, July 9, 12, 15.
3719 *nigellus* Strecker
Short Hills, July 9.
- Camptyllochila* Stephens (*Epizeuxis* Hübner)
3740 *diminuendis* Barnes and McDunnough
Lakehurst, June 26.
- Epizeuxis* Hübner (*Zanclognatha* Lederer)
3755 *inconspicualis* Grote
Lakehurst, July 11; Short Hills, July 11.
Red pine, *Pinus resinosa*; spruce, *Picea* spp.

3761 *martha* Barnes

Lakehurst, July 2, 11.

Renia Guenee3784 *nemoralis* Barnes and McDunnough

Lakehurst, Aug. 20.

Bleptina Guenee3798 *medialis* SmithLakehurst, June 27, Aug. 20; Stanton,
June 15.

NOTODONTIDAE

Ichthyura Hübner3826 *strigosa* GroteShort Hills, May 11, 22; Stanton, Apr.
30.Poplar, *Populus* spp.; willow, *Salix*
spp.*Datana* Walker3835 *modesta* Beutenmüller

Lakehurst, June 19, 25, July 8.

Blueberry *Vaccinium* spp.*Pheosia* Hübner3851 *rimosa* PackardMontague, Aug. 6; Stanton, June 28;
Short Hills, June 5.Poplar, *Populus* spp.*Gluphisia* Boisduval3939 *septentrionalis* Walkerform *opaca* Barnes and McDunnoughShort Hills, June 10; Stanton, May
26, July 1.Poplar, *Populus* spp.*Olene* Hübner3952 *basiflava* PackardShort Hills, June 2, July 7; Montague,
May 29.Oak, *Quercus* spp.; birch, *Betula* spp.;
hickory, *Carya*.3956 *leucophaea* Abbott and Smith

Lakehurst, June 5, July 31, Sept. 7.

Birch, *Betula* spp.; hickory, *Carya*
spp.; oak, *Quercus*.3958 *atomaria* Walker

Lakehurst, July 4, 11, 18.

Oak, *Quercus* spp.; hickory, *Carya*
spp.; elm, *Ulmus* spp.3959 *cinnamomea* Grote and Robinsona *aridensis* Benjamin

Lakehurst, July 6, Aug. 1, 17, Oct. 15.

Wild cherry, *Prunus* spp.

LASIOCAMPIDAE

Malacosoma Hübner3997 *disstria* Hübnerform *thoracicoides* Neumoegen and Dyar
Stanton, July 2.Maple, *Acer* spp.; birch, *Betula* spp.;ash, *Fraxinus* spp.; oak, *Quercus* spp.

THYATIRIDAE

Euthyatira Smith4010 *pudefens* Gueneeb *pennsylvanica* Smith

Stanton, Apr. 10, 24.

Dogwood, *Cornus florida*.

DREPANIDAE

Drepana Schrank4021 *bilineata* Packardform *levis* Hudson

Short Hills, June 29, Aug. 20, 29.

Alder, *Alnus* spp.; birch, *Betula* spp.;elm, *Ulmus* spp.

GEOMETRIDAE

Nemoria Hübner4047 *brunnearia* Packard

Stanton, Apr. 18, May 6, 20.

Black walnut, *Juglans nigra*; oak,
Quercus spp.*Scopula* Schrank4140 *cacuminaria* Morrison

Lakehurst, June 14, 16, 25, Aug. 24.

General feeder.

4148 *junctaria* Walker

Stanton, June 12.

Sterrha Hübner4180 *demissaria* Hübner

Stanton, July 15, 24, Aug. 9.

a *ferrugata* Packard

Stanton, June 9, 22, July 2.

4186 *violaceria* Walker

Lakehurst, Oct. 1.

Cosymbia Hübner4211 *pendulinaria* Guenee

Short Hills, June 16, July 4, Aug. 31.

Blueberry, *Vaccinium* spp.; birch,
Betula spp.form *nigricaria* Rothke

Short Hills, July 8, Aug. 3.

Same as *pendulinaria*

- 4223-1 *anguilineata* Grote and Robinson
form *eastmani* Reiff
Pompton, Mar. 22, Apr. 4; Stokes
Forest, Apr. 23.
- Coryphista* Hulst
4248 *meadi* Packard
Short Hills, May 22, June 17; Lake-
hurst, July 16.
Barberry, *Berberis canadensis*.
- Eupithecia* Curtis
4348 *filmata* Pearsall
Short Hills, Apr. 5, 7.
Fir, *Abies balsamea*; spruce, *Picea*
spp.
- 4383 *ravocostaliata* Packard
Short Hills, Apr. 16, 25.
Wormwood, *Artemesia*.
- Lygris* Hübner
4404 *molliculata* Walker
Montague, July 9, 12, 29; Stanton,
July 26.
- 4406 *explanata* Walker
Montague, July 12, 29.
- Hydriomena* Hübner
4476 *frigidata* Walker
Short Hills, Apr. 26, May 20; Lebanon
State Park, May 8; Montague, May
16.
form *manitoba* Barnes and McDunnough
Lakehurst, Apr. 20, May 10.
- 4477 *pluviata* Guenee
Montague, May 25.
Alder, *Alnus* spp.
- 4484 *divisaria* Walker
a *brunnescens* McDunnough
Montague, May 25.
- 4492 *ruberata* Freyer
Lebanon State Park, May 8; Mon-
tague, May 16.
- Xanthorhoe* Hübner
4516 *ferrugata* Clerk
form *unidentaria* Hawarth
Short Hills, May 8; Stanton, July 20,
Aug. 11.
Low plants.
- 4527 *iduata* Guenee
Springdale Park, May 31.
- Epirrhoe* Hübner
4551 *alternata* Muller
Stanton, May 29, June 15, Aug. 24.
Bedstraw, *Galium* spp.
- Euphyia* Hübner
4558 *unangulata* Haworth
a *intermediata* Guenee
Short Hills, May 24, Apr. 17, June 17,
Aug. 10.
Jewelweed, *Impatiens* spp.; elm,
Ulmus.
- Camptogramma* Stephens
4572 *stellata* Guenee
Short Hills, Sept. 10, 25, Oct. 19.
Pisonia aculeata.
- Earophila* Gumpfenburg
4587 *vasiliata* Guenee
form *niveifasciata* Hulst
Stanton, Apr. 10, 17, 29.
Swamp rose, *Rosa carolina*; raspberry,
Rubus spp.
- Drepanulatrix* Gumpfenburg
4631 *liberaria* Walker
ab *helena* Hulst
Stanton, Sept. 14, 28, Oct. 3, 5.
New Jersey tea, *Ceanothus americanus*
- Episemasia* Hulst
4650 *morbosa* Hulst
Stanton, June 27; Lakehurst, June 1
to 10, by Lemmer.
- Mellilla* Grote
4657 *xanthometata* Walker
Hamden, May 27, July 25, Aug. 4.
Honey locust, *Gleditsia triacanthos*.
- Philobia* Duponchel
4665 *aemulataria* Walker
Short Hills, June 7, 13; Stanton, May
23, June 3.
Lettuce, *Lactuca* spp.
- Semiothisa* Hübner
4671 *bisignata* Walker
Montague, June 15; Lakehurst, June
10; Stanton, May 6, June 15.
Pine, *Pinus* spp.; birch, *Betula* spp.
- 4673 *bicolorata* Fabricius
Lakehurst, May 22, June 19; Short
Hills, June 29.
Pine, *Pinus* spp.; blueberry, *Vaccinium*
spp.
- 4680 *granitata* Guenee
c *dispuncta* Walker
Short Hills, Aug. 10; Stokes State
Park, June 16.
Spruce, *Picea* spp. Last year's needles.

- 4687 *sexmaculata* Packard
Union Valley, June 12.
Larch, *Larix*.
- 4695 *eremiata* Guenee
Lakehurst, May 25.
Tephrosia.
- 4712 *orillata* Walker
Stanton, July 12, Aug. 3, 30.
Northern white cedar, *Thuja occidentalis*.
- 4723 *ocellinata* Guenee
Lakehurst, June 25; Short Hills, Sept. 9; Stanton, Aug. 1.
Black locust, *Robinia pseudo-acacia*.
- 4738 *gnophosaria* Guenee
Lakehurst, June 13; Stanton, June 2, July 5.
Willow, *Salix* spp.
- Itame* Hübner
- 4748 *argillacearia* Packard
Lakehurst, June 19, July 3; some specimens, a little larger with bluish tint, were caught in High Point State Park, June 19.
- 4762 *exaspicata* Walker
Lakehurst, June 29; Stanton, June 26.
Willow, *Salix* spp.; others reported.
- 4774 *latiferrugata* Walker
Lakehurst, May 24, June 9, 12.
Apple, *Malus malus*; plum, *Prunus* spp.; wild cherry, *Prunus* spp.
- 4793 *gausaparia* Grote
Lakehurst, July 13; Stanton, July 20.
- Hesperumia* Packard
- 4801 *sulphuraria* Packard
High Point State Park, July 5; Ramapo Mts., July 11.
New Jersey tea, *Ceanothus americanus*; snowberry, *Symphoricarpos racemosus*.
- Orthofidonia* Packard
- 4805 *tinctaria* Walker
Stanton, May 5, 8.
- Paraphia* Guenee
- 4808 *esther* Barnes
Short Hills, June 10, 19; Stanton, May 2.
Pine, *Pinus* spp.
form *lemmeri* Barnes
- Lakehurst, June 6, 19; Montague, June 22.
Pine, *Pinus* spp.
- 4810 *nubecularia* Guenee
Stanton, June 13, July 4.
Pine, *Pinus* spp.
- Tornos* Morrison
- 4812 *scolopacinarius* Guenee
Stanton, Aug. 14; Short Hills, Aug. 15.
Aster, *Aster* spp.
- Melanolophia* Hulst
- 4857 *signataria* Walker
Lakehurst, June 20.
Yellow birch, *Betula lutea*; larch, *Larix laricina*; white spruce, *Picea glanca*.
ab *carbonata* Cassino and Swett
Short Hills, Apr. 25, May 10, July 17.
- Pseudoboarmia* McDunnough
- 4881 *buchholzaria* Lemmer
Lakehurst, June 6, 18.
Sweet fern, *Comptonia peregrina*.
- Vitrinella* McDunnough
- 4908 *pampinaria* Guenee
ab *nubiferaria* Swett
Stanton, May 23, June 4, July 18.
Maple, *Acer* spp.; hickory, *Carya* spp.; poplar, *Populus* spp.
- Anacamptodes* McDunnough
- 4916 *ephyraria* Walker
Stanton, May 1, July 13, 28.
Hemlock, *Tsuga*.
- 4918 *vellivolata* Hulst
Lakehurst, June 9, 16.
Pine, *Pinus* spp.
- Aethalura* McDunnough
- 4945 *anticaria* Walker
Stanton, June 6, 18, Oct. 25.
Birch, *Betula* spp.; poplar, *Populus* spp.; oak, *Quercus* spp.
- Ectropis* Hübner
- 4946 *crepuscularia* Hübner
ab *fumataria* Minot
Stanton, Mar. 28, Apr. 7, May 16.
Maple, *Acer* spp.; birch, *Betula* spp.; oak, *Quercus* spp.; general feeder.
- Epimecis* Hübner
- 4951 *virginaria* Cramer
form *carbonaria* Haimbach
Stanton, May 29, June 30, July 10.
Tulip tree, *Liriodendron tulipifera*.

Nacophora Hulst4952 *ypsilon* Forbes

Lakehurst, Apr. 24, May 14.

Apple, *Malus* spp.4953 *quernaria* Abbott and Smithform *atrescens* HulstPlainfield, Apr. 15; Stanton, May 15,
June 16.Oak, *Quercus* spp.*Phigalia* Duponchel4958 *titea* Cramerform *deplorans* Franclemont

Stanton, Mar. 27, Apr. 11, 20.

General feeder on trees.

Paleacrita Riley4961 *merriccata* Dyar

Short Hills, Mar. 14, 26, Apr. 9.

Amphidasis Treitschke4968 *cognataria* Gueneeab *swettaria* Barnes and McDunnoughShort Hills, May 21; Stanton, May 3,
June 25, Aug. 20.

General feeder on trees and shrubs.

Euchlaena Hübner4995 *obtusaria* Hübnerform *decisaria* WalkerLakehurst, June 9; Short Hills, June
17; Stanton, June 2.Rose, *Rosa* spp.4997 *johnsonaria* Fitcha *minoraria* HulstLakehurst, June 6; Short Hills, Aug.
14; Stanton, June 12, Sept. 8.Oak, *Quercus* spp.; thorn, *Crataegus*;
chokecherry, *Prunus virginiana*.4998 *mollisaria* HulstCape May, May 26; Lakehurst, June
9.*Plagodis* Hübner5031 *nigrescens* HulstShort Hills, Mar. 28; Stanton, Apr. 4,
May 22.Ash, *Fraxinus* spp.5041 *arrogaria* HulstShort Hills, July 19, Aug. 9; Stanton,
July 24.Maple, *Acer* spp.; ash, *Fraxinus* spp.*Metarranthis* Warren5046 *hypochraria* Herrich-Schaefera *lateritiaria* GueneeLakehurst, May 25; Stanton, May 14,
17.Sassafras, *Sassafras albidum*; choke-
cherry, *Prunus virginiana*.5046-1 *broweri* RupertShort Hills, June 4; Stanton, May 31,
June 4, 25.Same food plant as *lateritiaria*.5049 *pilosaria* Packard

Lakehurst, June 5, 22, 30.

White birch, *Betula papyrifera*.5051 *angularia* Barnes and McDunnoughLakehurst, May 2, 12; Stanton, June
21.Wild cherry, *Prunus* spp.5051-1 *franclemonti* Rupert

Short Hills, June 14, 19.

Wild cherry, *Prunus* spp.5053 *antidiscaria* Walker

Lakehurst, June 8.

Pero Herrich-Schaefer5082 *marmoratus* GrossbeckShort Hills, July 27, Aug. 8; Stanton,
July 26.Maple, *Acer* spp.*Nepytia* Hulst5109 *canosaria* WalkerHackettstown, Aug. 2, Sept. 29, Oct.
10.Larch, *Larix laricina*; hemlock, *Tsuga*
canadensis.*Caripeta* Walker5126 *pinjata* Packard

Lakehurst, Aug. 19, 25, 31.

Pine, *Pinus* spp.*Ellopiia* Treitschke5143-1 *canitiaria* Rupert

Lakehurst, Apr. 20, 22.

5146 *fiscellaria* Gueneeform *johnsoni* Swett

Short Hills, Oct. 8; Stanton, Sept. 21.

Oak, *Quercus* spp.; pine, *Pinus* spp.;
cherry, *Prunus* spp.*Apicia* Guenee5184 *confusaria* Hübnerform *metrocamparia* Guenee

Short Hills, July 14.

Dandelion, *Taraxicum* spp.; clover,
Trifolium spp.

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