

Notes on Indiana Noctuidae

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The family Noctuidae has not previously been considered in the surveys of the insect fauna of Indiana. It would, therefore, seem advisable to list the species known to occur in the state and to provide such notes as would add to our knowledge of the various species, particularly concerning those of common occurrence or economic importance.

The moth collections have been largely based on light and bait trap examinations. However, many species have been captured by other means of collection, and many have been reared. Since some species are common throughout the season or may be taken in large numbers throughout various seasonal periods, general notes are often more valuable than actual collection dates. Where very common species which are somewhat numerous at some time or other during the year are discussed, the information is given in general terms which will indicate the insect's abundance and time of appearance. Less common species are attributed the date of collection information.¹ Unless otherwise stated, all collections are attributable to the author. The species are numbered according to Barnes' Check List.²

Genus HELIOTHIS Ochs.

H. phyloxiphaga G. & R. (1089).

Var. luteitinctus Grt. DeKalb Co., Aug. 11; Tippecanoe Co., Aug. 20 (P.L.)³

H. armiger Hbn. (1090). Corn earworm, tomato fruitworm, cotton bollworm, and tobacco budworm. Common and destructive during all years in southern part of state, in late fall migrating into northern Indiana in outbreak numbers during some seasons. Commonly found breeding throughout the fall in greenhouses. DeKalb Co., Aug. 1-Oct. 19; Starke Co., April 21 (J.J.D.); Steuben Co., Sept. 6 (G.R.); Tippecanoe Co., Aug. 13 (J.J.D.), Oct. 5 (P.S.C.).

Genus LYGRANTHOECIA G. & R.

L. marginata Haw. (1130). DeKalb Co., June 20-Aug. 12; Tippecanoe Co., June 23 (J.J.D.).

¹Determinations of all but the most common and easily recognized species were made by W. T. M. Forbes and J. McDunnough.

²Barnes, Wm., and J. McDunnough. Check list of the Lepidoptera of boreal America.

³Specimens collected by others than the author are followed by their initials as follows: (J.J.D.) J. J. Davis, (G.E.M.) G. E. Marshall, (G.E.G.) G. E. Gould, (P.S.C.) Purdue Student Collection, (P.L.) P. Luginbill, (A.F.S.) A. F. Satterthwait, (C.R.C.) C. R. Cleveland, (G.R.) G. Ryan, (S.L.M.) S. L. Mason, (F.A.F.) F. A. Fenton, (A.W.T.) A. W. Trippel.

Genus POROSAGROTIS Sm.

P. vetusta Wlk. (1234). Spotted-legged cutworm. Reported to be typically associated with sandy country.⁴ DeKalb Co., Aug. 8; Tippecanoe Co., Nov. 11 (J.J.D.).

Genus EUXOA Hbn.

E. quadridentata G. & R. (1247). DeKalb Co., Sept. 1.

E. punctigera Wlk. (1286). Scarce. Washington Co., July 1 (J.J.D.).

E. velleripennis Grt. (1291). Common on goldenrod blossoms. DeKalb Co., Sept. 12-23.

E. messoria Harris. (1304). Dark-sided cutworm. A common and destructive species. DeKalb Co., July 12-Oct. 19; Tippecanoe Co., July 3, 13, 31 (J.J.D.).

E. fumalis Grt. (1312).

Var. *vestitura* Sm. This variety only has been taken. DeKalb Co., June 23.

E. tessellata Harris. (1329). Striped cutworm. Common. Less numerous than *messoria* except on gravelly or sandy soils. Dark form also common. DeKalb Co., July 3-Aug. 14; Elkhart Co., June 18 (A.W.T.); Steuben Co., July 11, 14, 28 (G.R.); Tippecanoe Co., emerged June 22, 27 (J.J.D.); Wabash Co., June 18 (A.W.T.).

E. albipennis Grt. (1341). Tippecanoe Co., Sept. 14 (J.J.D.).

E. ochrogaster Gn. (1363). Tippecanoe Co., July 23, Aug. 25 (J.J.D.).

Genus FELTIA Wlk.

F. gladiaria Morr. (1395). Clay-backed cutworm. Abundant from early September through October. DeKalb Co., Sept. 9-Oct. 22; Tippecanoe Co., Sept. 25, Oct. 5 (J.J.D.), Oct. 9 (P.S.C.).

F. venerabilis Wlk. (1397). Dusky cutworm. DeKalb Co., Sept. 3; Tippecanoe Co., Sept. 9 (P.S.C.), Oct. 5 (J.J.D.).

F. ducens Wlk. (1402). Dingy cutworm. Common and destructive. Numerous from August through October. DeKalb Co., Aug. 6-Oct. 19; Gibson Co., emerged Sept. 18 (J.J.D.); Greene Co., emerged Aug. 21, Sept. 9, 17, 19, Oct. 4 (J.J.D.); Monroe Co., emerged Sept. 1 (J.J.D.); Steuben Co., Aug. 4, Sept. 1 (G.R.); Tippecanoe Co., emerged Aug. 3-Sept. 21 (J.J.D.); Vanderburgh Co., emerged Sept. 21 (J.J.D.).

F. subgothica Haw. (1403). Dingy cutworm. Less numerous than *ducens*; occurring at approximately the same time. Clinton Co., Sept. 2 (J.J.D.); DeKalb Co., Aug. 15-Sept. 13; Gibson Co., Aug. 30, Sept. 18 (J.J.D.); Greene Co., emerged Aug. 6, Sept. 12, 13, 19 (J.J.D.); Steuben Co., Aug. 9, 17 (G.R.); Tippecanoe Co., Aug. 13, 27 (P.S.C.), Sept. 3 (J.J.D.).

F. herilis Grt. (1404). DeKalb Co., Aug. 28-Sept. 15; Steuben Co., Aug. 7 (G.R.).

F. volubilis Harv. (1409). DeKalb Co., May 29, 31; Tippecanoe Co., May 11 (P.S.C.).

⁴Forbes, W. T. M., 1926. A check list of the insects of New York. Cornell Univ. Agric. Exp. Sta., Mem. No. 101. 1926.

F. annexa Treit. (1413). Granulated cutworm. DeKalb Co., Aug. 23; Orange Co., Aug. 21 (G.E.M.).

F. malefida Gn. (1414). Pale-sided cutworm. DeKalb Co., July 23-Sept. 3.

Genus AGROTIS Ochs.

A. badinodis Grt. (1415). Spotted-sided cutworm. Common. DeKalb Co., Sept. 2, 10, 23; Steuben Co., Aug. 4 (G.R.); Tippecanoe Co., Aug. 18-Sept. 29 (J.J.D.).

A. ypsilon Rott. (1422). Greasy cutworm, black cutworm, and over-flow worm. One of the most numerous and destructive cutworms, particularly in muck soils and in poorly drained areas. Numerous from May to October. DeKalb Co., May 3-Oct. 14; Gibson Co., emerged Aug. 4-24 (J. J. D.); Greene Co., emerged July 30 (J.J.D.); Posey Co., emerged Oct. 25 (J.J.D.); Shelby Co., emerged Aug. 25 (J.J.D.); Tippecanoe Co., Sept. 2-Oct. 21 (J.J.D.).

A. c-nigrum L. (1424). Spotted cutworm. Numerous from May to October. DeKalb Co., May 18-Oct. 19; Greene Co., emerged May 20 (J.J.D.); Huntington Co., emerged May 28 (J.J.D.); Starke Co., emerged Aug. 15-Sept. 11 (J.J.D.); Steuben Co., June 11, 12, 16, 24 (G.R.); Tippecanoe Co., emerged July 12-Sept. 7 (J.J.D.); Warren Co., emerged July 19 (J.J.D.).

A. bicarnea Gn. (1425). A common cutworm. DeKalb Co., Aug. 15-Sept. 14; Tippecanoe Co., May 16, July 28 (J.J.D.).

A. baja Fabr. (1430). DeKalb Co., July 1.

A. plecta L. (1434). A common cutworm. DeKalb Co., May 29-July 29; Steuben Co., June 4, 16 (G.R.); Tippecanoe Co., July 25 (J.J.D.).

A. phyllophora Grt. (1444). Unmarked cutworm. DeKalb Co., July 6.

A. unicolor Wlk. (1461). W-marked cutworm. Common in sandy and gravelly soils in northern Indiana. DeKalb Co., June 1-July 30; Elkhart Co., June 2-Aug. 4; Fulton Co., June 8 (J.J.D.); Steuben Co., Sept. 6 (G.R.).

A. lubricans Gn. (1502). DeKalb Co., June 2-July 25.

Genus EPIPSILIA Hbn.

E. fungorum G. & R. (1471). A cutworm. DeKalb Co., Sept. 21.

Genus LYCOPHOTIA Hbn.

L. occulta L. (1489). A cutworm. DeKalb Co., Aug. 21.

L. margaritosa Haw. (1490). Variegated cutworm. Common from June to October. One of the most numerous and destructive cutworms.

Var. *saucia* Hbn. Occurs at the same time as the typical form.

Var. *semifusca* Butl. is found commonly together with the normal species and the var. *saucia* Hbn. The species breeds throughout the winter in greenhouses where the var. *semifusca* Butl. is frequently the most numerous. DeKalb Co., June 3-Oct. 17; Starke Co., emerged Sept. 12, 18 (J.J.D.); Steuben Co., June 23, Aug. 17, 19 (G.R.); Tippecanoe Co., emerged July 6-Oct. 14 (J.J.D.).

L. infecta Ochs. (1495). Green cutworm. DeKalb Co., Aug. 2.

L. lubricans Gn. (1502). DeKalb Co., Aug. 10.

Genus RYNCHAGROTIS Sm.

R. rufipectus Morr. (1565). Common. DeKalb Co., June 16-Aug. 16.

R. alternata Grt. (1588). Mottled-gray cutworm. Common. DeKalb Co., June 14-Sept. 4; Tippecanoe Co., emerged June 11-July 8 (J.J.D.).

R. anchocelioides Gn. (1589). Reared from larvae taken in sandy and gravelly soils. Elkhart Co., emerged June 17, 20; Steuben Co., May 19 (G.R.).

R. cupida Grt. (1590). Brown cutworm. A common and destructive climbing cutworm in orchards. Confined largely to sandy and gravelly soils. Elkhart Co., emerged June 14-July 18; Tippecanoe Co., July 3 (J.J.D.).

R. barnesi French. (...). Barnes' climbing cutworm. The most common and destructive climbing cutworm affecting orchards. Confined largely to light soils. Elkhart Co., emerged June 14-July 26.

Genus SCOTOGRAMMA Sm.

S. trifolii Rott. (1615). Clover cutworm. Common throughout Indiana, DeKalb Co., June 2-Sept. 14; Steuben Co., July 5-Aug. 30 (G.R.); Tippecanoe Co., Aug. 3 (J.J.D.).

Genus POLIA Ochs.

P. imbrifera Gn. (1661). DeKalb Co., July 14.

P. meditata Grt. (1673). Pink-backed cutworm. Common. DeKalb Co., July 5-Sept. 13.

P. grandis Bdv. (1685). A cutworm. DeKalb Co., June 17, 21.

P. subjuncta G. & R. (1686). Speckled cutworm. A common species occurring throughout the area from May to September. DeKalb Co., May 28-Sept. 13; Steuben Co., June 11-Aug. 17 (G.R.); Tippecanoe Co., Aug. 5 (J.J.D.).

P. cristifera Wlk. (1693). Not common. But one specimen has been taken. DeKalb Co., June 2.

P. latex Gn. (1695). A cutworm. One specimen has been taken. DeKalb Co., June 7.

P. adjuncta Bdv. (1700). Allen Co., May 28.

P. legitima Grt. (1715). Striped garden caterpillar. Common and destructive. DeKalb Co., June 10-Sept. 12.

P. renigera Steph. (1750). Bristly cutworm. The commonest cutworm of this genus, occurring in two broods from May to October. DeKalb Co., May 27-Oct. 16; Greene Co., emerged June 7, 10 (J.J.D.); Orange Co., emerged Sept. 12 (J.J.D.); Starke Co., emerged Sept. 5, 6 (J.J.D.); Tippecanoe Co., July 12-Oct. 1 (J.J.D.); Wayne Co., emerged Sept. 7, 12 (J.J.D.).

P. lorea Gn. (1754). A general and common cutworm but not a serious pest. DeKalb Co., June 4-17.

Genus CHABUATA Wlk.

C. signata Wlk. (1798). DeKalb Co., Aug. 8; Tippecanoe Co., emerged Aug. 22 (J.J.D.).

Genus ERIOPYGA Gn.

E. crenulata Butl. (1838). A cutworm. Common. DeKalb Co., June 6-Sept. 2.

E. synica Gn. (1839). A cutworm. July 7, 8.

E. vecors Gn. (1842). A cutworm. DeKalb Co., May 28.

Genus NEPHELODES Gn.

N. emmedonia Cram. (1866). Bronze cutworm. A common cutworm. DeKalb Co., Sept. 4-Oct. 19; Tippecanoe Co., Sept. 4, 9, 12, 14 (J.J.D.).

Genus MORRISONIA Grt.

M. confusa Hbn. (1878). Posey Co., May 14 (J.J.D.).

Genus ORTHOSIA Ochs.

O. germani Grt. (1915). Greene Co., April 11 (J.J.D.).

O. hibisci Gn. (1919).

Var. *alia* Auct. A "green fruitworm" on apple. The following records are of this variety: Tippecanoe Co., Nov. 25, May 9 (P.L.).

Genus CERAMICA Gn.

C. picta Harr. (1930). Zebra caterpillar. Common. DeKalb Co., May 14-July 10; Greene Co., May 16 (A.F.S.); Tippecanoe Co., May 20 (P.S.C.).

Genus CIRPHIS Wlk.

C. pseudargyria Gn. (1933). DeKalb Co., June 16; Steuben Co., June 2, July 12 (G.R.); Tippecanoe Co., May 3, emerged Aug. 9, Sept. 13 (J.J.D.).

C. commoides Gn. (1935). Apparently rare. DeKalb Co., June 28.

C. phragmatidicola Gn. (1936). Yellow armyworm. An armyworm common from May to October. DeKalb Co., May 23-Oct. 6; Steuben Co., June 11, 15, 19 (G.R.); Tippecanoe Co., Aug. 2, 18 (J.J.D.).

C. unipuncta Haw. (1950). Common armyworm. Abundant throughout the season from early May to October and frequently widely destructive. Clinton Co., July 16, 17 (C.R.C.); DeKalb Co., May 12-Oct. 19; Fulton Co., emerged July 31 (J.J.D.); Starke Co., July 10 (C.R.C.); Steuben Co., June 6, 26, July 4 (G.R.); Tippecanoe Co., May 7-Oct. 28 (J.J.D.).

C. inermis Fbs. (....). DeKalb Co., June 11.

C. ursula Fbs. (....). Common. DeKalb Co., June 28-Aug. 8.

Genus NELEUCANIA Sm.

N. albilinea Hbn. (1959).

Var. *diffusa* Wlk. Wheat-head armyworm. Both forms present and common. Clark Co., April 15-Aug. 23 (P.S.C.); DeKalb Co., June 17-Aug. 11; Fulton Co., emerged Aug. 23 (J.J.D.); Kosciusko Co., emerged Aug. 27 (J.J.D.); Tippecanoe Co., May 13, 28 (P.S.C.).

Genus CUCULLIA Schrank

C. asterooides Gn. (2003). Clark Co., April 12-Aug. 23 (P.S.C.); DeKalb Co., June 22-Aug. 4; Sullivan Co., Aug. 12 (J.J.D.); Tippecanoe Co., May 11, 13, 15, 16, 20, 21, 28 (P.S.C.).

Genus EUTOLYPE Grt.

E. depilis Grt. (2109). DeKalb Co., April 4.

Genus GRAPTOLITHA Hbn.

G. bethunei G. & R. (2131). DeKalb Co., April 27; Tippecanoe Co., Sept. 25 (J.J.D.).

G. innominata Sm. (2133). Tippecanoe Co., March 25 (P.L.).

G. ferrealis Grt. (2137). Tippecanoe Co., Sept. 26 (J.J.D.).

G. signosa Wlk. (2139). Tippecanoe Co., emerged Sept. 2 (J.J.D.).

G. unimoda Lint. (2150). DeKalb Co., Oct. 21; Tippecanoe Co., March 25 (P.L.).

Genus PARASTICHTIS Hbn.

P. bicolorago Gn. (2220).

Var. *ferrugineoides* Gn. Shield-marked cutworm. These moths appear in numbers in late fall. DeKalb Co., Sept. 14-Oct. 19; Greene Co., July 31 (A.F.S.).

Genus ATETHMIA Hbn.

A. pampina Gn. (2230). DeKalb Co., Aug. 8.

Genus AMPHIPYRA Ochs.

A. pyramidoides Gn. (2239). Common in bait traps. Clark Co., June 20-July 28 (P.S.C.); DeKalb Co., July 27-Sept. 26.

A. tragopoginis L. (2240). DeKalb Co., Aug. 8, Sept. 9.

Genus DIPTERYGIA Steph.

D. scabriuscula L. (2243). Numerous during the summer months. DeKalb Co., June 2-Sept. 17; Tippecanoe Co., July 31 (F.A.F.), Aug. 13, 27, Sept. 15 (J.J.D.).

Genus SEPTIS Hbn.

S. verbascoides Gn. (2246). DeKalb Co., June 2, 3; Elkhart Co., June 21.

S. cariosa Gn. (2248). DeKalb Co., July 31.

S. lignicolor Gn. (2253). Common and numerous. DeKalb Co., June 6-July 14.

S. plutonia Grt. (2264). DeKalb Co., June 16-July 14.

S. arctica Bdv. (2268). Yellow-headed cutworm. A common and destructive species. DeKalb Co., June 9-Aug. 9; Steuben Co., July 12, 23 (G.R.).

Genus TRACHEA Ochs.

T. delicta Grt. (2271). Numerous. DeKalb Co., June 1-Aug. 17; Tippecanoe Co., emerged May 29 (J.J.D.).

Genus PERIGEA Gn.

P. xanthoides Gn. (2323). DeKalb Co., June 20.

P. vecors Gn. (2327). DeKalb Co., July 11, Sept. 13.

Genus OLIGIA Hbn.

O. fractilinea Grt. (2335). DeKalb Co., July 16.

Var. *modiola* Grt. is more common. DeKalb Co., July 16, 17, Aug. 18, 20.

O. diversicolor Morr. (2339). Delaware Co., Aug. 21 (A.F.S.).

Genus AGROPERINA Hamp.

A. dubitans Wlk. (2344). A common cutworm. DeKalb Co., June 2-Sept. 14.

A. helva Grt. (2357). DeKalb Co., Aug. 1-15.

Genus MACRONOCTUA Grt.

M. onusta Grt. (2365). Iris borer. DeKalb Co., June 30.

Genus SIDEMIA Staud.

S. devastator Brace. (2367). Glassy cutworm. Common and destructive. DeKalb Co., June 17-Sept. 23; Tippecanoe Co., Aug. 5 (J.J.D.).

Genus LUPERINA Bdv.

L. passer Gn. (2380). DeKalb Co., Aug. 13.

Genus PHLOGOPHORA Tr.

P. iris Gn. (2384). DeKalb Co., June 13.

Genus LEUCONYCTA Hamp.

L. diphteroides Gn. (2418). DeKalb Co., May 18.

Var. *obliterata* Grt. is more common. DeKalb Co., May 18-Aug. 26.

Genus ACRONYCTA Ochs.

A. connecta Grt. (2433). DeKalb Co., July 28.

A. pruni Harr. (2438). DeKalb Co., June 20-July 1.

Var. *prunata* S. & B. appears to be scarce. DeKalb Co., May 28.

A. inclara Sm. (2444). DeKalb Co., Aug. 8.

A. afflicta Grt. (2450). DeKalb Co., Aug. 10, 22, July 7; St. Joseph Co., July 10 (A.W.T.).

A. hasta Gn. (2461). The dark form only has been taken. DeKalb Co., July 28.

A. elizabeta Sm. (2466). DeKalb Co., July 28, Aug. 8.

A. morula G. & R. (2473). Only the dark form has been taken. DeKalb Co., July 11, 28.

A. interrupta Gn. (2474). DeKalb Co., June 28, July 27, 28.

A. populi Riley. (2483). DeKalb Co., Aug. 12.

A. americana Harris. (2491). DeKalb Co., June 23; Steuben Co., July 12 (G.R.).

A. oblinita A. & S. (2508). DeKalb Co., June 22, July 2, Aug. 8, 16.

A. insolita Grt. (2510). DeKalb Co., Aug. 12.

Genus SIMYRA Ochs.

S. henrici Grt. (2514). DeKalb Co., June 22, 24, July 22.

Genus DELTA Saalm.

D. ramosula Gn. (2515). DeKalb Co., May 20, Oct. 12; Posey Co., Nov. 8 (S.L.M.).

Genus HYPPA Dup.

H. xylinoides Gn. (2531). Very numerous. DeKalb Co., May 18-Sept. 4.

Genus PRODENIA Gn.

P. ornithogalli Gn. (2569). Yellow-striped armyworm, cotton cutworm. Common throughout the state, frequently occurring in outbreak numbers. DeKalb Co., June 18-Oct. 19; Tippecanoe Co., Aug. 31 (A.F.S.), April 19-Nov. 2 (J.J.D.).

Genus LAPHYGMA Gn.

L. frugiperda A. & S. (2574). Fall armyworm. Probably a migrant to northern Indiana, occurring in limited numbers in September and October. DeKalb Co., Sept. 30, Oct. 6; Tippecanoe Co., Sept. 12 (J.J.D.); Dearborn Co., Nov. 10, 13 (C.R.C.).

Genus CARADRINA Ochs.

C. tarda Gn. (2581). DeKalb Co., Aug. 12.

Genus PROXEMUS H. S.

P. miranda Grt. (2990). DeKalb Co., June 11; Tippecanoe Co., emerged April 19 (J.J.D.).

Genus PLATYSENTA Grt.

P. videns Gn. (2598). DeKalb Co., May 3, June 11.

Genus BALSA Wlk.

B. malana Fitch. (2600). DeKalb Co., May 27, June 1, 17.

Genus HELIOTROPHA Led.

H. reniformis Grt. (2636). DeKalb Co., Oct. 1.

Var. *arta* Grt. DeKalb Co., July 25, 30, Oct. 3.

Genus APAMEA Ochs.

A. velata Wlk. (2637). DeKalb Co., June 18, 23, July 13.

Genus ACHATODES Gn.

A. zeae Harris. (2642). DeKalb Co., Aug. 5.

Genus PAPAPEMA Sm.

P. inquaesita G. & R. (2661). DeKalb Co., Sept. 28.

P. marginidens Gn. (2663). Allen Co., Aug. 24, 28; DeKalb Co., Aug. 17.

P. furcata Sm. (2667). DeKalb Co., Aug. 1, 4.

P. cataphracta Grt. (2686). DeKalb Co., Sept. 23, 28.

P. cerussata Grt. (2696). DeKalb Co., Sept. 6.

P. nebris Gn. (2698). Common stalk borer. Allen Co., Aug. 24, 29.

Var. *nitela* Gn. DeKalb Co., Sept. 9, 23, 25; Tippecanoe Co., Aug. 12 (J.J.D.).

Genus IPIMORPHA Hbn.

I. pleonectusa Grt. (2724). DeKalb Co., July 27.

Genus ARZAMA Wlk.

A. obliqua Wlk. (2784). Fulton Co., May 23 (J.J.D.); Tippecanoe Co., emerged May 8, 11 (J.J.D.).

Genus ARCHANARA Hbn.

A. sublava Grt. (2792). DeKalb Co., Aug. 11.

Genus EUTHASONOTIA Hbn.

E. grata Fabr. (2827). Porter Co., June 27 (A.W.T.); Allen Co., June 23, 28; DeKalb Co., May 5.

Genus CHAMYRIS Gn.

C. cerintha Treit. (2891). DeKalb Co., June 11, July 15; Tippecanoe Co., June 14 (G.E.G.).

Genus LETHACODIA Hbn.

L. carneola Gn. (2900). DeKalb Co., May 25, 26; Tippecanoe Co., June 13 (G.E.G.).

Genus CATOCALA Schrank.

C. innumbens Gn. (3020). DeKalb Co., June 28, July 17, Aug. 6, 13.

C. epione Drury. (3023). DeKalb Co., July 23, Aug. 16.

C. obscura Stkr. (3025). DeKalb Co., July 29.

C. palaeogramma Gn. (3045). DeKalb Co., Aug. 6, 10.

C. ilia Cram. (3051). DeKalb Co., July 8, 29, Aug. 8.

C. marmorata Edw. (3045). DeKalb Co., Aug. 11, 13.

C. unijuga Wlk. (3068). DeKalb Co., July 3.

C. cara Gn. (3081). DeKalb Co., July 26, 28, Aug. 13, 22.

C. concumbens Wlk. (3082). DeKalb Co., Aug. 5, 6, 11.

C. amatrix Hbn. (3083). DeKalb Co., Aug. 10, 13, 26.

C. illecta Wlk. (3088). DeKalb Co., July 10, 28, Aug. 6, 8.

C. ultroia Hbn. (3103). DeKalb Co., July 23, Aug. 10.

C. grynea Cram. (3106). DeKalb Co., July 22, Aug. 10.

Genus PARALLELIA Hbn.

P. bistriaris Hbn. (3127). DeKalb Co., June 11, July 16.

Genus CAENURGIA Wlk.

C. erechtea Cram. (3135). An alfalfa looper. Common. DeKalb Co., May 22-Aug. 29; Tippecanoe Co., April 26 (G.E.G.).

C. crassiuscula Harr. (3136). DeKalb Co., May 12.

Genus ARGYROSTROTIS Hbn.

A. anilis Dru. (3164). DeKalb Co., June 17, 19, July 6, Aug. 10; Tippecanoe Co., Sept. 5 (J.J.D.).

Genus ZALE Hbn.

Z. lunata Dru. (3175). Common. DeKalb Co., June 10-Aug. 21; Steuben Co., June 14 (J.J.D.).

Genus AUTOGRAPHHA Hbn.

A. falcifera Kirby. (3230). Celery looper. Tippecanoe Co., June 1 (G.E.G.); DeKalb Co., May 2, 4, June 30, July 26.

A. brassicae Riley. (3249). Cabbage looper. Very common and sometimes destructive. DeKalb Co., July 9, Aug. 5; Tippecanoe Co., Aug. 19 (G.E.G.); Steuben Co., Aug. 6 (G.R.).

A. basigera Wlk. (3251). DeKalb Co., June 25, 26.

A. biloba Steph. (3259). DeKalb Co., May 3, 6, June 28, July 26.

A. oo Cram. (3260). DeKalb Co., May 8.

Var. *rogationis* Gn. Starke Co., Sept. 14 (J.J.D.); Starke Co., Aug. 21 (J.J.D.).

A. pseudogemma Grt. (3266). DeKalb Co., June 18.

Genus PLUSIA Ochs.

P. aerea Hbn. (3276). DeKalb Co., June 2, 19, 28.

P. balluca Geyer. (3277). DeKalb Co., June 26.

Genus ABROSTOLA Ochs.

A. urentis Gn. (3286). DeKalb Co., June 28.

Genus MELIPOTIS Hbn.

M. jucunda Hbn. (3312). DeKalb Co., July 22, Aug. 26.

Genus TOXOCAMPA Gn.

T. victoria Grt. (3338). DeKalb Co., June 2, July 22, 23.

Genus STRENOLOMA Grt.

S. lunilinea Grt. (3365). DeKalb Co., June 17, 28.

Genus SCOLIOPTERIX Germ.

S. libatrix L. (3399). DeKalb Co., July 14, June 23; Steuben Co., June 3, July 3, 11 (G.R.).

Genus PLUSIODONTA Gn.

P. conpressipalpis Gn. (3400). DeKalb Co., June 15, July 16; Lawrence Co., May 3 (G.E.M.); Porter Co., July 28 (A.W.T.).

Genus ALABAMA Grt.

A. argillacea Hbn. (3406). Cotton worm. Occurs during late summer and fall, a probable migrant from the South. DeKalb Co., Sept. 28, 30; Greene Co., Sept. 26 (J.J.D.); Greene Co., emerged June 23 (J.J.D.).

Genus EPIZEUXIS Hbn.

E. lubricalis Geyer. (3496). Elkhart Co., June 11.

Genus HORMISA Wlk.

H. bivittata Grt. (3514). DeKalb Co., July 13.

H. orciferalis Wlk. (3515). Greene Co., emerged June 23 (J.J.D.).

Genus BOMOLOCHA Hbn.

B. bijugalis Wlk. (3562). DeKalb Co., May 20, 28, 30, June 20.

Genus PLATHYPENA Grt.

P. scabra Fabr. (3578). DeKalb Co., July 6.

