LEPIDOPTERA OF THE ARCHBOLD BIOLOGICAL STATION, HIGHLANDS COUNTY, FLORIDA

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ABSTRACT

A total of 1,112 species of Lepidoptera are reported from the Archbold Biological Station based on literature citations, specimens in collections, and new surveys. Two families of monotrysian Lepidoptera (Nepticulidae and Incurvariidae) and 41 families of Ditrysia occur at the station. Over 65% of the Lepidoptera species present at the Archbold station belong to the Noctuidae, Pyralidae, Geometridae, and Tortricidae.

RESUMEN

Se registran un total de 1,112 especies de Lepidoptera en la Estación Biológica Archbold, basado sobre citaciones en la literatura, ejemplares en colecciones, y reconocimientos nuevos. Dos familias del suborden Monotrysia del orden Lepidoptera (Nepticulidae y Incurvariidae) y 41 familias del orden Ditrysia ocurren en la estación. Más de 65% de las especies de Lepidoptera presentes en la estación Archbold pertenecen a Noctuidae, Pyralidae, Geometridae y Tortricidae.

The northern and central parts of the Florida peninsula are marked by several sand ridges that run parallel to the Atlantic coastline (White 1958, 1970). The Lake Wales Ridge extends approximately 160 kilometers from southern Highlands County to central Lake County. The surface of the ridge is irregular, but reaches its highest elevation (ca. 90 meters) near the city of Lake Wales (White 1958). Deep sandy soils of the ridges, ancient dunes, and relict shorelines of central Florida support scrub and sandhill vegetation. Less well-drained areas give rise to a variety of habitats such as flatwoods, wet prairies, marshes, swamps, bayheads, ponds, and lakes.

The Archbold Biological Station (ABS) lies at the southern end of the Lake Wales Ridge and comprises about 2,000 hectares, most of which is scrub, sandhill, and flatwoods (Abrahamson et al. 1984). Numerous seasonal ponds, a few permanent ponds, and a small lake also occur on the property. A general map of the station is presented in Minno (1992) and detailed vegetation maps are available from Archbold Biological Station (P.O. Box 2057, Lake Placid, Florida, 33852). Most of the land surrounding ABS is now used as pastureland or orange groves, greatly increasing the station's value as a preserve of the natural communities of the southern Lake Wales Ridge.

ABS has one of the best-documented insect faunas in Florida due to years of collecting effort by numerous biologists. Frost (1962, 1963, 1964, 1966, 1969, 1973, and 1975) published lists of insects, including over 850 species of Lepidoptera, that he collected at ultraviolet light traps on the main grounds of the station. Kimball (1965) cites over 480 species of moths collected at ABS based partly on Frost's early lists and on data gleaned from collections. Other records of Lepidoptera from ABS are scattered in the taxonomic literature such as Brown (1984), Burns (1964), Davis (1967), Ferguson (1969, 1982, 1988), Franclemont (1973), Heppner (1982, 1985, 1992), Hodges (1974, 1978, 1986), Matthews (1989), McElvare (1961), Neunzig (1988, 1990), Obraztsov (1961), and Shaffer

(1968). This paper serves to pool these records together, update nomenclatural changes, and provide a baseline to which new faunal studies may be compared. The history and ecology of the station are summarized in Minno & Myers (1986). Abrahamson et al. (1984) describe the topography, soils, climate, and vegetation of ABS in detail.

Methods

Literature records of Lepidoptera from ABS were entered into a computer file using LOTUS 1-2-3 (Lotus Development Corporation software). The names in the file were then updated according to Hodges et al. (1983). Some of Frost's more unusual records were loaned by the Frost Entomological Museum (Department of Entomology, Pennsylvania State University, University Park, Pennsylvania) and were rechecked by H. D. Baggett, T. S. Dickel, H. H. Neunzig, and other experts. Additional sources of data include records compiled by Lee Adair, Jr. from the Florida State Collection of Arthropods in Gainesville and the United States National Museum, Washington, D.C., the ABS reference collection, and recent surveys and collections made by Mark Deyrup (ABS insect ecologist), members of the Southern Lepidopterists' Society at the annual meeting held 12-14 October 1990 at ABS, and by myself.

I collected Lepidoptera at the station nearly every day from June until mid-August, 1986. Some collecting was also accomplished at the station on a few days in November 1983; September, October, and November 1986; and February, March, and April 1987. The moths that I collected were mostly taken at ultraviolet and incandescent lights on the main grounds at night, but some were reared from immatures. Butterflies were collected at various locations at ABS during the daytime. Most specimens were deposited in the ABS reference collection which currently contains approximately 3,500 specimens representing 35 families and at least 650 species of Lepidoptera.

Results and Discussion

The lepidopteran community of peninsular Florida is composed of species from several different sources. The continental mainland has probably donated the most species to the community. Certainly, the majority of the species found at ABS are broadly distributed throughout the eastern or southeastern United States.

In addition, the ABS fauna has a tropical, West Indian affinity. There are no abrupt divisions between tropical and temperate regions in Florida, but rather the frequency of tropical species gradually increases to the south and along the coasts. Temperate species dominate in northern Florida but even here cold-intolerant species of Lepidoptera colonize and breed regularly during the warmer seasons.

There is also a little-mentioned western influence in Florida. Xerophilic species such as *Ziziphus celata* Judd & Hall (an extremely rare shrub in the Rhamnaceae found on the Lake Wales Ridge), *Pogonomyrmex badius* (Latreille) (Florida Harvester Ant, Formicidae), *Aphelocoma coerulescens coerulescens* (Bosc) (Florida Scrub Jay, Corvidae), *Gopherus polyphemus* (Daudin) (Gopher Tortoise, Testudinidae), and others are the only eastern representatives of groups centered in western North America (Judd & Hall 1984, Nickerson 1987, Woolfenden 1978, Auffenberg 1978). This phenomenon also occurs in some Lepidoptera, such as *Megathymus* spp. (Hesperiidae).

At present, 1,112 species of Lepidoptera have been reported from ABS. Two suborders are represented. The Monotrysia are a minor faunal element, consisting of six species of Nepticulidae and two species of yucca moths (Incurvariidae). However, 41 families of ditrysian Lepidoptera occur at ABS. Over 65% of the Lepidoptera at the station belong to just four ditrysian families, the Noctuidae, Pyralidae, Geometridae,

and Tortricidae. The phenology, abundance, and ecology of the 70 species of butterflies that have been found at the station are discussed in another paper (Minno 1992).

Kimball (1965) listed 2,427 species of Lepidoptera from Florida. He also mentioned 204 species that were thought to be erroneously recorded or questionably present in the state. Many new records have been added to the list since the publication of Kimball's book. H. D. Baggett and J. B. Heppner, who have had considerable experience collecting Lepidoptera in Florida, estimate that the list will eventually include about 3,000 species of moths and butterflies. Thus, about 37% of the Lepidoptera present in the state have been found at ABS. Many new species of moths have been described from specimens collected at the station. Archbold is the type locality for 20 species of moths (Table 1).

Central Florida is particularly rich in endemic plants and animals (Neill 1957, James 1961). The only moth listed as endemic to Florida scrub by Deyrup (1989) was *Nemouria outina* Fgn. (Geometridae), but others are likely. The flora and fauna of ABS are a complex and constantly changing mixture of temperate, tropical, endemic, and exotic species. More species of ants have been recorded from ABS than any other site in the United States (Deyrup & Trager 1986), perhaps due in large part to the interplay among these four groups. I found 422 species of Lepidoptera at the station, 44 of which were new records. Since about 10% of my catch was not previously recorded despite intensive collecting in the same areas, the species composing the lepidopteran community at Archbold seem to be slowly changing.

TABLE 1. LIST OF LEPIDOPTERAN HOLOTYPES COLLECTED AT THE ARCHBOLD BIOLOGICAL STATION, HIGHLANDS COUNTY, FLORIDA.

Family	Species
COSMOPTERIGIDAE	*Cosmopterix abdita* Hodges 1978
	Cosmopterix damnosa Hodges 1978
	Cosmopterix ebriola Hodges 1978
	Eraba abludo Hodges 1978
	Melanocinclis gnoma Hodges 1978
	Melanocinclis lineigera Hodges 1978
	Melanocinclis vibex Hodges 1978
	Siskiwitia falcata Hodges 1978
GELECHIIDAE	*Dichomeris aglaia* Hodges 1986
	Dichomeris ardelia Hodges 1986
	Dichomeris kimballi Hodges 1986
	Dichomeris sylphe Hodges 1986
GEOMETRIDAE	*Nemoria outina* Ferguson 1969
GLYPHIPTERIGIDAE	*Diploschizia minimella* Heppner 1985
LASIOCAMPIDAE	*Tolype notialis* Franclemont 1973
NOCTUIDAE	*Macrochilo hypocritalis* Ferguson 1982
	Schinia fulleri McElvare 1961
OECOPHORIDAE	*Callima nathrax* Hodges 1974
PYRALIDAE	*Salebriaria squamopalpiella* Neunzig 1988
TORTRICIDAE	*Argyrotaenia kimballi* Obraztsov 1961

In order to better understand which resources are utilized by Lepidoptera at ABS, I consulted Kimball (1965) and Covell (1984) for host data. The larval hosts of about 60% of the Lepidoptera at ABS are at least partially known. Of these, about 85% are foliage feeders, 5% eat flowers, fruit, or seeds, 5% are stem borers, and 5% feed on roots, dead plant parts, lichens, fungi, scale insects, hair, or beeswax. *Idia gopheri* (Smith) (Noctuidae: Herminiinae) has one of the more unusual life histories in that the larvae live in the burrows of the gopher tortoise (*Gopherus polyphemus*) and feed on tortoise droppings (Woodruff 1982). Among the foliage feeders, about 43% specialize on woody plants, 34% on herbs, and 7% on grasses and sedges. The remaining 16% are generalists that eat the leaves of many kinds of plants.

A surprising number of aquatic and semiaquatic Lepidoptera have been taken at ABS. Twenty species of nymphuline pyralids plus *Ostrinia penitalis* (Grt.) (the lotus borer, Pyralidae), *Sameodes albiguttalis* (Warr.) (a pyralid recently introduced into Florida for the control of water hyacinth), *Homophoberia cristata* Morr. (Noctuidae), and four species of *Bellura* (Noctuidae) have been collected on the main grounds. Although about 11% of the station consists of seasonal ponds (Abrahamson et al. 1984), most of these are vegetated by grasses and emergent herbs that are probably not used by aquatic Lepidoptera. However, several aquatic macrophytes, such as *Nuphar lutea* Sibth. & Sm. (Nymphaceae), *Myriophyllum pinnatum* (Walt.) BSP. (Haloragaceae), *Utricularia* spp. (Lentibulariaceae), and *Nymphoides aquatica* (J.F. Gmel.) Kuntze (Gentianaceae), that may serve as host plants grow in Lake Annie (Vander Kloet 1986) at the northern edge of the property.

The following section lists the names of all known species of Lepidoptera from ABS. Over 150 species are reported from the station for the first time. Arrangement and catalog numbers follow Hodges et al. (1983). Species lacking numbers were either overlooked by Hodges et al. or were described after 1983. Problematic records and identifications are noted in the text.

Check List of the Lepidoptera of Archbold Biological Station

Suborder Montrysia

Nepticulidae

43 *Ectoedemia platanella* (Clem.)
44 *Ectoedemia clemensella* (Cham.)
45 *Ectoedemia similella* (Braun)
46 *Ectoedemia virgulae* (Braun)
53 *Ectoedemia obrutella* (Zell.)
93 *Stigmella ostryaefoliella* (Clem.)

Incurvariidae: Incurvariinae

198 *Tegeticula yuccasella* (Riley)
200 *Prodoxus quinquepunctella* (Cham.)

Suborder Ditrysia

Tineidae

272 *Nemapogon rileyi* (Dietz)
305 *Mea bipunctella* (Dietz)
317 *Xylesthia pruniramiella* Clem.
319 *Kearfottia albifasciella* Fern.

335 *Amydria margoriella* Dietz
340 *Acrolophus arcanella* (Clem.)
347 *Acrolophus cressoni* (Wlsm.)
353 *Acrolophus forbesi* Hasbrouck
368 *Acrolophus panamae* Bsk.
371 *Acrolophus piger* (Dyar)
372 *Acrolophus plumifrontella* (Clem.)
373 *Acrolophus popeanella* (Clem.)
374 *Acrolophus propinquus* (Wlsm.)
383 *Acrolophus texanella* (Cham.)
Acrolophus heppneri Davis
Acrolophus mycetophagus Davis
Acrolophus spilotus Davis
390 *Phereoeca dubitatrix* (Meyrick)
400 *Tinea mandarinella* Dietz
405 *Tinea pellionella* L.
409 *Tinea unomaculella* Cham.
428 *Setomorpha rutella* Zell.

PSYCHIDAE: PSYCHINAE

439 *Prochalia pygmaea* B. & McD.
441 *Cryptothelea nigrita* B. & McD.
442 *Cryptothelea gloverii* (Pack.)

PSYCHIDAE: OIKETICINAE

454 *Oiketicus abbotii* Grt.
457 *Thyridopteryx ephemeraeformis* (Haw.)

LYONETIIDAE

461 *Euprora argentiliniella* Bsk.
487 *Bucculatrix magnella* Cham.
517 *Bucculatrix ivella* Bsk.
582 *Bucculatrix thurberiella* Bsk.

GRACILLARIIDAE: LITHOCOLLETINAE

835 *Cameraria quercivorella* (Cham.)

GRACILLARIIDAE: PHYLLOCNISTINAE

846 *Phyllocnistis insignis* F. & B.

OECOPHORIDAE: DEPRESSARIINAE

955 *Psilocorsis quercicella* Clem.
956 *Psilocorsis cryptolechiella* (Cham.)
957 *Psilocorsis reflexella* Clem.

OECOPHORIDAE: STENOMATINAE

1013 *Antaeotricha unipunctella* (Clem.)
1014 *Antaeotricha leucillana* (Zell.)
1024 *Antaeotricha vestalis* (Zell.)
1026 *Setiostoma xanthobasis* Zell.

OECOPHORIDAE: OECOPHORINAE

1034 *Inga sparsiciliella* (Clem.)
1035 *Inga cretacea* (Zell.)
1042 *Decantha boreasella* (Cham.)
1047 *Callima nathrax* Hodges

BLASTOBASIDAE: SYMMOCINAE

1138 *Glyphidocera floridanella* Bsk.
1139 *Glyphidocera lactiflosella* (Cham.)

BLASTOBASIDAE: BLASTOBASINAE

Blastobasis species [NOTE: Hodges (1978) illustrated this species from ABS.]
1162 *Valentinia glandulella* (Riley)
1168 *Calosima argyrosplendella* Dietz
1169 *Calosima dianella* Dietz
Calocima lucidella Adamski

COLEOPHORIDAE: BATRACHEDRINAE

1405 *Batrachedra testor* Hodges
1406 *Batrachedra busiris* Hodges
1415 *Batrachedra libator* Hodges
1416 *Batrachedra decoctor* Hodges
1421 *Homaledra heptathalama* Bsk.
1422 *Homaledra sabalella* (Cham.)

MOMPHIDAE

1429 *Mompha bottimeri* Bsk.
1443 *Mompha eloisella* (Clem.)

COSMOPTERIGIDAE: ANTEQUERINAE

1467 *Euclemensia bassettella* (Clem.)

COSMOPTERIGIDAE: COSMOPTERIGINAE

1472 *Cosmopterix pulchrimella* Cham.
1473 *Cosmopterix bendidia* Hodges
1474 *Cosmopterix attenuatella* (Wlk.)
1479 *Cosmopterix dapifera* Hodges
1480 *Cosmopterix delicatella* Wlsm.
1481 *Cosmopterix dicacula* Hodges
1486 *Cosmopterix minutella*Beutenmüller
1487 *Cosmopterix abdita* Hodges
1490 *Cosmopterix gemmiferella* Clem.
1491 *Cosmopterix bacata* Hodges
1492 *Cosmopterix damnosa* Hodges
1494 *Cosmopterix scirpicola* Hodges
1495 *Cosmopterix ebriola* Hodges
1497 *Cosmopterix floridanella* Beutenmüller
1502 *Eralea abludo* Hodges
1503 *Melanocinclis lineigera* Hodges
1506 *Melanocinclis gnoma* Hodges
1507 *Melanoclinclis vibex* Hodges

1508 *Stagmatophora sexnotella* (Cham.)
1513 *Pyroderces badia* (Hodges)
1514 *Pyroderces albistrigella* (Mösch.)
1527 *Triclonella determinatella* (Zell.)

COSMOPTERIGIDAE: CHRYSOPELEIINAE

1560 *Periploca orichalcella* (Clem.)
1589 *Siskiwitia falcata* Hodges
1597 *Stilbosis quadricustatella* (Cham.)
1615 *Walshia miscecolorella* (Cham.)
1623 *Perimede eransella* Cham.
1632 *Perimede falcata* Braun

GELECHIIDAE: GELECHIINAE

1762 *Aristotelia rubidella* (Clem.)
Aristotelia corallina Wlsm.
1840 *Exoteleia pinifoliella* (Cham.)
1926 *Deltophora duplicata* Sattler
1928 *Delptophora sella* (Cham.)
1986 *Gnorimoschema gallaesolidaginis* (Riley)
1998 *Gnorimoschema saphirinella* (Cham.)
2005 *Gnorimoschema terracottella* Bsk.
2064 *Chionodes bicostomaculetta* (Cham.)
2079 *Chionodes fuscomaculella* (Cham.)
Chionodes species [NOTE: R. W. Hodges (pers. comm.) has examined a few specimens of this and believes that they represent an undescribed species.]
2187 *Aroga compositella* (Wlk.)
2198 *Aroga trialbamaculella* (Cham.)
2205 *Fascista quinella* (Zell.)
2209 *Stegasta bosqueella* (Cham.)
Stegasta capitella (F.)
2216 *Ymeldia janae* Hodges

GELECHIIDAE: ANACAMPSINAE

2234 *Anacampsis coverdalella* Kft.

GELECHIIDAE: DICHOMERIDINAE

2265 *Brachmia chambersella* (Murt.)
2272 *Brachyacma palpigera* (Wlsm.)
2274 *Dichomeris bipunctella* (Wlsm.)
2281 *Dichomeris ligulella* Hbn.
2287 *Dichomeris ventrella* (Fitch)
Dichomeris achne Hodges
Dichomeris acuminata (Stgr.)
Dichomeris aglaia Hodges
Dichomeris ardelia Hodges
Dichomeris bolize Hodges
Dichomeris fistuca Hodges
Dichomeris kimballi Hodges
Dichomeris nenia Hodges
Dichomeris simulata Hodges

Dichomeris sylphe Hodges
Dichomeris xanthoa Hodges
2301 *Trichotaphe serrativittella* (Zell.)
2305 *Trichotaphe trinotella* Bsk.

EPERMENIIDAE: OCHROMOLOPINAE

2335 *Parochromolopis floridana* Gaedike

GLYPHIPTERIGIDAE

2336 *Abrenthia cuprea* Bsk.
2345 *Diploschizia lanista* (Meyrick)
2346 *Diploschizia impigritella* (Clem.)
Diploschizia minimella Heppner
Dryomoana blachardi Heppner
Neomachlotica spiraea Heppner

PLUTELLIDAE

2363 *Plutella porrectella* (L.)
2366 *Plutella xylostella* (L.)

YPONOMEUTIDAE

2401 *Atteva punctella* (Cram.)
2404 *Lactura basistriga* (B. & McD.)
2405 *Lactura pupula* (Hbn.)
2412 *Podiasa chiococcella* Bsk.
2415 *Urodus parvula* (Hy. Edw.)

SESIIDAE: PARANTHRENINAE

2530 *Vitacea polistiformis* (Harr.)

SESIIDAE: SESIINAE

2547 *Synanthedon geliformis* (Wlk.)
2554 *Synanthedon acerni* (Clem.)
2557 *Synanthedon alleri* (Engelh.)
2566 *Synanthedon refulgens* (Hy. Edw.)
2573 *Synanthedon sapygaeformis* (Wlk.)
2575 *Synanthedon arkansasensis* Duckworth & Eichlin
2590 *Sannina uroceriformis* Wlk.
2614 *Carmenta texana* (Hy. Edw.)

CHOREUTIDAE: MILLIERIINAE

Phormoestes palmettovora Heppner

CHOREUTIDAE: CHOREUTINAE

2649 *Tebenna carduiella* (Kft.)

COSSIDAE: HYPOPTINAE

2668 *Givira anna* (Dyar)
2671 *Givira francesca* (Dyar)

COSSIDAE: COSSINAE

2693 *Prionoxystus robiniae* (Peck)

TORTRICIDAE: OLETHREUTINAE

2701 *Episimus argutanus* (Clem.)
2703 *Episimus tyrius* Heinr.
2704 *Cacocharis cymotoma* (Meyr.)
2706 *Bactra furfurana* (Haw.)
2707 *Bactra verutana* Zell.
2709 *Bactra priapeia* Heinr.
2711 *Endopiza liriodendrana* (Kft.)
2738 *Endothenia hebesana* (Wlk.)
2739 *Endothenia daeckeana* (Kft.)
2749 *Eumarozia malachitana* (Zell.)
2750 *Zomaria interruptolineana* (Fern.)
2751 *Zomaria rosaochreana* (Kft.)
2752 *Zomaria andromedana* (B. & McD.)
2772 *Phaecasiophora niveiguttana* Grt.
2773 *Phaecasiophora inspersa* Heinr.
2802 *Olethreutes hippocastana* (Kft.)
2829 *Olethreutes osmundana* (Fern.)
2857 *Olethreutes devotana* Kft.
2864 *Hedya cyanana* (Murt.)
2869 *Rhyacionia subtropica* Miller
2898 *Petrova gemistrigulana* (Kft.)
2907 *Strepsicrates smithiana* (Wlsm.)
3008 *Eucosma quinquemaculana* (Rob.)
3009 *Eucosma robinsonana* (Grt.)
3110 *Eucosma gomonana* Kft.
3170 *Pelochrista vandana* (Kft.)
3172 *Epiblema strenuana* (Wlk.)
3174 *Epiblema numerosana* (Zell.)
3175 *Epiblema grossbecki* (Heinr.)
3184 *Epiblema tripartitana* (Zell.)
3186 *Epiblema scudderiana* (Clem.)
3190 *Epiblema desertana* (Zell.)
3202 *Epiblema otiosana* (Clem.)
3218 *Sonia constrictana* (Zell.)
Sonia paraplesiana Blanchard
3260 *Gretchena concubitana* Heinr.
3274 *Crocidosema plebejana* Zell.
Rhopobota species [NOTE: A single specimen in the ABS collection was identified as belonging to this genus by J. B. Heppner.]
3279 *Epinotia lantana* (Bsk.)
3333 *Epinotia timidella* (Clem.)
3375 *Ancylis divisana* (Wlk.)
3415 *Satronia tantilla* Heinr.
3423 *Larisa subsolana* Miller
3424 *Ethelgoda texanana* (Wlsm.)
Corticivora chica Brown
Corticivora parva Brown

3471 *Cydia caryana* (Fitch)
3488 *Cydia anaranjada* (Miller)
Cydia species [NOTE: Frost (1975) listed this as Kimball's (1965, p. 263) 7287,1 *Laspeyresia* (now *Cydia*) near *gallaesaliciana* (Riley).]
Cydia species [NOTE: Frost (1975) listed this as Kimball's (1965, p. 263) 7287,2 *Laspeyresia* (now *Cydia*) species.]
3494 *Cydia latiferreanus* (Wlsm.)
3495 *Ecdytolopha punctidiscana* (Dyar)
3496 *Ecdytolopha desotana* (Heinr.)
3500 *Pseudogalleria inimicella* (Zell.)

TORTRICIDAE: TORTRICINAE

3597 *Argyrotaenia velutinana* (Wlk.) ? [NOTE: J. B. Heppner identified a specimen in the ABS reference collection as probably this species.]
3600 *Argyrotaenia kimballi* Obr.
3602 *Argyrotaenia pinatubana* (Kft.)
3603 *Argyrotaenia tabulana* Free.
3627 *Argyrotaenia ivana* (Fern.)
3631 *Choristoneura obsoletana* (Wlk.)
3635 *Choristoneura rosaceana* (Harr.)
3648 *Archips argyrospila* (Wlk.)
3653 *Archips semiferana* (Wlk.)
3656 *Archips georgiana* (Wlk.)
3688 *Ptycholoma peritana* (Clem.)
3695 *Sparganothis sulfureana* (Clem.)
3696 *Sparganothis belfrageana* (Zell.)
3700 *Sparganothis caryae* (Rob.)
3702 *Sparganothis taracana* Kft.
3703 *Sparganothis demissana* (Wlsm.)
3704 *Sparganothis distincta* (Wlsm.)
3718 *Sparganothis karacana* (Kft.)
3732 *Platynota flavedana* Clem.
3736 *Platynota stultana* Wlsm.
3743 *Platynota exasperatana* (Zell.)
3745 *Platynota rostrana* (Wlk.)
3747 *Coelostathma discopunctana* Clem.

TORTRICIDAE: CHLIDANOTINAE

3751 *Thaumatographa jonesi* (Brower)

COCHYLIDAE

Cochylis caulacatax Razowski
Lorita baccharivora Pogue
Lorita scarificata Meyrick
3782 *Carolella sartana* (Hbn.)
3783 *Carolella bimaculana* (Rob.)
3784 *Carolella erigeronana* (Riley)
3807 *Hysterosia angulatana* Rob.
3842 *Hysterosia oenotherana* Riley
3850 *Phalonia seriatana* Zell.
3862 *Phalonia ziscana* Kft.
Phalonia subolivacea Wlsm.

HESPERIIDAE: PYRGINAE

3870 *Epargyreus clarus clarus* (Cram.)
3886 *Urbanus proteus proteus* (L.)
3889 *Urbanus dorantes dorantes* (Stoll)
3910 *Thorybes pylades* (Scudder)
3946 *Erynnis brizo somnus* (Lint.)
3947 *Erynnis juvenalis juvenalis* (F.)
3952 *Erynnis horatius* (Scudder & Burgess)
3956 *Erynnis zarucco zarucco* (Luc.)
3968 *Pyrgus oileus oileus* (L.)

HESPERIIDAE: HESPERIINAE

3993 *Nastra lherminier* (Latr.)
3998 *Lerema accius* (J. E. Smith)
4004 *Ancyloxypha numitor* (F.)
4010 *Copaeodes minimus* (Edw.)
4013 *Hylephila phyleus* (Drury)
4030 *Hesperia meskei straton* (Edw.)
4041 *Polites themistocles* (Latr.)
4045 *Polites vibex vibex* (Gey.)
4046 *Wallengrenia otho* (J. E. Smith)
4049 *Atalopedes campestris huron* (Edw.)
4051 *Atrytone delaware delaware* (Edw.)
4070 *Euphyes arpa* (Bdv. & Leconte)
4079 *Asbolis capucinus* (Luc.)
4080 *Atrytonopsis hianna loammi* (Whitney)
4111 *Lerodea eufala* (Edw.)
4114 *Oligoria maculata* (Edw.)
4119 *Panoquina ocola ocola* (Edw.)

HESPERIIDAE: MEGATHYMINAE

4145 *Megathymus yuccae buchholzi* H. A. Freeman

PAPILIONIDAE: PAPILIONINAE

4157 *Battus philenor philenor* (L.)
4158 *Battus polydamus lucayas* (R. & J.)
4159 *Papilio polyxenes asterius* Stoll
4170 *Papilio cresphontes* Cram.
4176 *Papilio glaucus australis* Maynard
4181 *Papilio troilus ilioneus* J. E. Smith
4182 *Papilio palamedes* Drury
4184 *Eurytides marcellus floridensis* (Holl.)

PIERIDAE: PIERINAE

4193 *Pontia protodice* (Bdv. & Leconte)
4198 *Ascia monuste phileta* (F.)

PIERIDAE: COLIADINAE

4210 *Colias eurytheme* Bdv.
4224 *Zerene cesonia* (Stoll)
4228 *Phoebis sennae eubule* (L.)

4229 *Phoebis philea philea* (Johansson)
4231 *Phoebis agarithe maxima* (Neum.)
4237 *Eurema lisa lisa* Bdv. & Leconte
4242 *Eurema nicippe* (Cram.)
4243 *Eurema daira daira* (Godt.)
4248 *Nathalis iole* Bdv.

LYCAENIDAE: EUMAEINAE

4270 *Atlides halesus halesus* (Cram.)
4282 *Satyrium calanus calanus* (Hbn.)
4299 *Calycopis cecrops* (F.)
4331 *Euristrymon favonius* (J. E. Smith)
4335 *Parrhasius m-album* (Bdv. & Leconte)
4336 *Strymon melinus melinus* Hbn.

LYCAENIDAE: POLYOMMATINAE

4356 *Leptotes cassius theonus* (Luc.)
4359 *Hemiargus ceraunus antibubastus* Hbn.

NYMPHALIDAE: HELICONIINAE

4413 *Agraulis vanillae nigrior* Michener
4418 *Heliconius charitonius tuckeri* W. P. Comstock & F. M. Brown

NYMPHALIDAE: NYMPHALINAE

4420 *Polygonia interrogationis* (F.)
4434 *Vanessa virginiensis* (Drury)
4437 *Vanessa atalanta rubria* (Fruhstorfer)
4440 *Junonia coenia* (Hbn.)
4443 *Anartia jatrophae guantanamo* Mun.
4447 *Euptoieta claudia* (Cram.)
4480 *Phyciodes phaon* (Edw.)
4481 *Phyciodes tharos tharos* (Drury)
4523 *Basilarchia archippus floridensis* (Stkr.)
4550 *Marpesia petreus* (Cram.)

NYMPHALIDAE: SATYRINAE

4575 *Hermeuptychia sosybius* (F.)
4576 *Neonympha areolata areolata* (J. E. Smith)

NYMPHALIDAE: DANAINAE

4614 *Danaus plexippus plexippus* (L.)
4615 *Danaus gilippus berenice* (Cram.)

ZYGAENIDAE

4624 *Harrisina americana australis* Stretch
4629 *Acoloithus falsarius* Clem.

MEGALOPYGIDAE

4642 *Lagoa pyxidifera* (J. E. Smith)
4644 *Lagoa crispata* (Pack.)
4647 *Megalopyge opercularis* (J. E. Smith)

LIMACODIDAE

4655 *Slossonella tenebrosa* Dyar
4664 *Lithacodes gracea* Dyar
4667 *Apoda y-inversum* (Pack.)
4668 *Apoda rectilinea* (G. & R.)
4671 *Prolimacodes badia* (Hbn.)
4673 *Alarodia slossoniae* (Pack.)
4679 *Natada nasoni* (Grt.)
4689 *Monoleuca erectifascia* Dyar
4691 *Monoleuca semifascia* (Wlk.)
4693 *Monoleuca subdentosa* Dyar
4697 *Euclea delphinii* (Bdv.)
4697.1 *Euclea nanina* Dyar
4700 *Sibine stimulea* (Clem.)

PYRALIDAE: SCOPARIINAE

4738 *Eudonia strigalis* (Dyar)

PYRALIDAE: NYMPHULINAE

4740 *Undulambia striatalis* (Dyar)
4741 *Undulambia polystichalis* Capps
4743 *Neocataclysta magnificalis* (Hbn.)
4744 *Chrysendeton medicinalis* Grt.
4745 *Chrysendeton kimballi* Lange
4746 *Chrysendeton imitabilis* (Dyar)
4748 *Munroessa icciusalis* (Wlk.)
4750 *Munroessa nebulosalis* (Fern.)
4751 *Munroessa gyralis* (Hulst)
4754 *Synclita tinealis* Mun.
4755 *Synclita obliteralis* (Wlk.)
4758 *Langessa nomophilalis* (Dyar)
4759 *Parapoynx maculalis* (Clem.)
4760 *Parapoynx obscuralis* (Grt.)
4763 *Parapoynx semineralis* (Wlk.)
4764 *Parapoynx allionealis* Wlk.
4769 *Neargyractis slossonalis* (Dyar)
4770 *Petrophila drumalis* (Dyar)
4785 *Eoparargyractis irroratalis* (Dyar)
4786 *Eoparargyractis floridalis* Lange

PYRALIDAE: ODONTIINAE

4796 *Microtheoris ophionalis* (Wlk.)

PYRALIDAE: GLAPHYRIINAE

4846 *Hellula rogatalis* (Hulst)
4870 *Glaphyria sequistrialis* Hbn.
4871 *Glaphyria basiflavalis* B. & McD.
4873 *Glaphyria fulminalis* (Led.)
4885 *Lipocosma septa* Mun.
4888 *Lipocosmodes fuliginosalis* (Fern.)
4889 *Dicymolomia julianalis* (Wlk.)

4890 *Dicymolomia metalophota* (Hamp.)
4893 *Dicymolomia grisea* Mun.
4896 *Chalcoela pegasalis* (Wlk.)

PYRALIDAE: EVERGESTINAE

4898 *Evergestis rimosalis* (Gn.)
4933 *Trischistognatha pyrenealis* (Wlk.)

PYRALIDAE: PYRAUSTINAE

4940 *Oenobotys vinotinctalis* (Hamp.)
4946 *Ostrinia penitalis* (Grt.)
4950 *Fumibotys fumalis* (Gn.)
4953 *Phlyctaenia coronata tertialis* (Gn.)
Phlyctaenia leuschneri Munroe
4975 *Achyra rantalis* (Gn.)
4977 *Neohelvibotys neohelvialis* (Capps)
4979 *Neohelvibotys polingi* (Capps)
4980 *Helvibotys helvialis* (Wlk.)
4992 *Uresiphita reversalis* (Gn.)
5034 *Pyrausta signatalis* (Wlk.)
5044 *Pyrausta insignitalis* (Gn.)
5049 *Pyrausta phoenicealis* (Wlk.)
5069 *Pyrausta tyralis* (Gn.)
5079 *Udea rubigalis* (Gn.)
5106 *Lineodes fontella* Wlsm.
5107 *Lineodes integra* (Zell.)
5122 *Eurrhyparodes lygdamis* Druce
5126 *Geshna cannalis* (Quaintance)
5127 *Hydriris ornatalis* (Dup.)
5147 *Epipagis huronalis* (Gn.)
5149 *Sameodes albiguttalis* (Warr.)
5150 *Samea ecclesialis* Gn.
5151 *Samea multiplicalis* (Gn.)
5153 *Somatania pellucidalis* Mösch.
5156 *Nomophila nearctica* Mun.
5157 *Pilemia periusalis* (Wlk.)
5158 *Ategumia ebulealis* (Gn.)
5159 *Desmia funeralis* (Hbn.)
5160 *Desmia maculalis* Westwood
5164 *Desmia tages* (Cram.)
5167 *Desmia ploralis* (Gn.)
5169 *Hymenia perspectalis* (Hbn.)
5170 *Spoladea recurvalis* (F.)
5171 *Diasemiopsis leodocusalis* (Wlk.)
5172 *Diasemiodes janassialis* (Wlk.)
5173 *Diasemiodes nigralis* (Fern.)
5175 *Diathrausta harlequinalis* lauta Mun.
5176 *Anageshna primordialis* (Dyar)
5177 *Apogeshna stenialis* (Gn.)
5182 *Blepharomastix ranalis* (Gn.)
5187 *Blepharomastix magualis* (Gn.)
5198 *Glyphodes sibillalis* Wlk.

5202 *Diaphania nitidalis* (Stoll)
5204 *Diaphania hyalinata* (L.)
5205 *Diaphania modialis* (Dyar)
5207 *Diaphania indica* (Saund.)
5212 *Omiodes indicata* (F.)
5215 *Condylorrhiza vestigialis* (Gn.)
5217 *Palpita flegia* (Cram.)
5218 *Palpita quadristigmalis* (Gn.)
5226 *Palpita magniferalis* (Wlk.)
5239 *Terastia meticulosalis* Gn.
5240 *Agathodes designalis* Gn.
5242 *Pleuroptya penumbralis* (Grt.)
5243 *Pleuroptya silicalis* (Gn.)
5253 *Diastictis argyralis* Hbn.
5257 *Diastictis holguinalis* Mun.
5267 *Asciodes gordialis* Gn.
5268 *Psara obscuralis* (Led.)
5272 *Herpetogramma bipunctalis* (F.)
5273 *Herpetogramma ipomoealis* (Capps)
5274 *Herpetogramma phaeopteralis* (Gn.)
5279 *Herpetogramma theseusalis* (Wlk.)
5281 *Pilocrocis ramentalis* Led.
5284 *Syngamia florella* (Stoll)
5285 *Salbia tytiusalis* (Wlk.)
5287 *Salbia haemorrhoidalis* Gn.
5288 *Marasmia trapezalis* (Gn.)
5289 *Marasmia cochrusalis* (Wlk.)
5293 *Conchylodes concinnalis* Hamp.
5295 *Daulia magdalena* (Fern.)

PYRALIDAE: SCHOENOBIINAE

5300 *Patissa xantholeucalis* (Gn.)
5301 *Patissa flavicostella* (Fern.)
5302 *Patissa flavifascialis* B. & McD.
5305 *Patissa sordidalis* B. & McD.
5306 *Patissa vestaliella* (Zell.)
5307 *Scirpophaga perstrialis* (Hbn.)
5308 *Scirpophaga repugnatalis* (Wlk.)
5310 *Rupela segrega* Heinr.
5311 *Rupela tinctella* (Wlk.)
5312 *Rupela sejuncta* Heinr.
5313 *Donacaula sordidella* (Zinck.)
5314 *Donacaula unipunctella* (Rob.)
5316 *Donacaula melinella* (Clem.)
5317 *Donacaula aquilella* (Clem.) [NOTE: Frost (1966) listed this as *Donacaula* near *clemensellus* Rob.]
5321 *Donacaula roscidella* (Dyar)
5323 *Donacaula uxorialis* (Dyar)
5324 *Donacaula maximella* (Fern.)

PYRALIDAE: ANCYLOLOMIINAE

5331 *Mesolia incertella* (Zinck.)

5333 *Prionapteryx nebulifera* Steph.
5336 *Prionapteryx serpentella* Kft.

PYRALIDAE: CRAMBINAE

5364 *Crambus multilinellus* Fern.
5369 *Crambus quinquareatus* Zell.
5372 *Crambus satrapellus* (Zinck.)
5380 *Crambus zeellus* Fern.
5381 *Crambus caliginosellus* Clem.
5393 *Raphiptera argillaceella minimella* (Rob.)
5419 *Microcrambus biguttellus* (Fbs.)
5420 *Microcrambus elegans* (Clem.)
5423 *Microcrambus discludellus* (Mösch.)
5424 *Microcrambus kimballi* Klots
5433 *Fissicrambus haytiellus* (Zinck.)
5435 *Fissicrambus mutabilis* (Clem.)
Fissicrambus proranellieus (Wlk.) [NOTE: J. B. Heppner identified a specimen in the reference collection as this species.]
5450 *Parapediasia decorella* (Zinck.)
5451 *Parapediasia teterrella* (Zinck.)
5454 *Euchromius ocelleus* (Haw.)
5460 *Argyria nummulalis* Hbn.
5463 *Argyria lacteella* (F.)
5464 *Urola nivalis* (Drury)
5465 *Vaxi auratella* (Clem.)
5466 *Vaxi critica* (Fbs.)
5467 *Vaxi tripsacas* (Dyar)
5468 *Epina dichromella* (Wlk.)
5475 *Diatraea saccharalis* (F.)
5478 *Diatraea evanescens* Dyar
5481 *Diatraea lisetta* (Dyar)
5492 *Eoreuma densella* (Zell.)
5499 *Xubida linearella* (Zell.)
5500 *Xubida panalope* (Dyar)
5501 *Xubida relovae* Klots
5502 *Xubida punctilineella* (B. & McD.)

PYRALIDAE: PYRALINAE

5526 *Herculia intermedialis* (Wlk.)
5530 *Herculia binodulalis* (Zell.)
5531 *Herculia sordidalis* B. & McD.
5533 *Herculia olinalis* (Gn.)

PYRALIDAE: CHRYSAUGINAE

5538 *Parachma ochracealis* Wlk.
5550 *Lepidomys irrenosa* Gn.
5552 *Galasa nigrinodis* (Zell.)
5554 *Tetraschistis leucogramma* Hamp.
5555 *Penthesilea sacculalis* Rag.
5556 *Tosale oviplagalis* (Wlk.)
Arta species [NOTE: This record is based on a single specimen in the ABS collection identified by J. B. Heppner.]

5570 *Xantippe uranides* Dyar

PYRALIDAE: EPIPASCHIINAE

5577 *Epipaschia superatalis* Clem.
5579 *Epipaschia zelleri* (Grt.)
5582 *Jocara incrustalis* (Hulst)
5592 *Tallula watsoni* B. & McD.
5595 *Tetralopha robustella* Zell.
5596 *Tetralopha scortealis* (Led.)
5597 *Tetralopha melanogrammos* Zell.
5601 *Tetralopha floridella* (Hulst)
5602 *Tetralopha subcanalis* (Wlk.)

PYRALIDAE: GALLERIINAE

5622 *Galleria mellonella* (L.)
Epimorius testaceellus Rag.
5625 *Omphalocera cariosa* Led.
5627 *Omphalocera munroei* Martin
5638 *Macrotheca unicoloralis* B. & McD.

PYRALIDAE: PHYCITINAE

5651 *Acrobasis indigenella* (Zell.)
5653 *Acrobasis vaccinii* Riley
5657 *Acrobasis minimella* Rag.
5672 *Acrobasis exsulella* (Zell.)
5684 *Acrobasis cirroferella* Hulst
5692 *Acrobasis myricella* B. & McD.
5704 *Anabasis ochrodesma* (Zell.)
5733 *Sarasota plumigerella* Hulst
5734 *Atheloca subrufella* (Hulst)
5742 *Caristanius decoloralis* (Wlk.)
5744 *Etiella zinckenella* (Tr.)
5771 *Salebriaria turpidella* (Rag.)
5775 *Salebriaria tenebrosella* (Hulst)
Salebriaria atratella Blanchard & Knudson
Salebriaria pumilella (Rag.)
Salebriaria squamopalpiella Neunzig
Salebriaria species [NOTE: Frost (1964) listed this as *Salebriaria annulosella* (Rag.) but H. H. Neunzig has examined some of the specimens and states that they are not *S. annulosella*, but possibly represent an undescribed species.]
5789 *Nephopterix subfuscella* (Rag.)
5809 *Tulsa finitella* (Wlk.)
5853 *Dioryctria amatella* (Hulst)
5863.1 *Dioryctria clarioralis* (Wlk.)
Dioryctria ebeli Mutuura & Munroe
5890 *Adelphia petrella* (Zell.)
5895 *Ufa rubedinella* (Zell.)
5896 *Elasmopalpus lignosellus* (Zell.)
5914 *Ocala dryadella* Hulst
5919 *Honora mellinella* Grt.
5930 *Palatka nymphaeella* (Hulst)

5934 *Mescinia estrella* B. & McD.
5935 *Homoeosoma electellum* (Hulst)
5936 *Homoeosoma stypticellum* Grt. ? [NOTE: Frost (1964) listed one specimen from ABS, but Kimball (1965, p. 248) doubted that *H. stypticellum* is the proper name since this applies to a northern species.]
5949 *Laetilia coccidivora* (J. H. Comstock)
5964 *Welderella parvella* (Dyar)
5970 *Melitara prodenialis* Wlk.
5996 *Euzophera magnolialis* Capps [NOTE: Frost (1969) misidentified this as *Euzophera ostricolorella* Hulst.]
5999 *Eulogia ochrifrontella* (Zell.)
6001 *Ephestiodes infimella* Rag.
6005 *Moodna ostrinella* (Clem.)
Moodna pallidostrinella Neunzig
6020 *Anagasta kuehniella* (Zell.)
6028 *Tampa dimediatella* Rag.
6031 *Eurythmia hospitella* (Zell.)

PYRALIDAE: PEORIINAE

6049 *Peoria roseotinctella* (Rag.)
6054 *Peoria luteicostella* (Rag.)
6068 *Homosassa ella* (Hulst)

HYBLAEIDAE

6088 *Hyblaea puera* (Cram.)

PTEROPHORIDAE: PLATYPTILIINAE

6098 *Trichoptilus parvulus* B. & L.
6100 *Trichoptilus californicus* (Wlsm.)
6104 *Megalorrhipida defectalis* (Wlk.)
6109 *Platyptilia carduidactyla* (Riley)
6119 *Lantanophaga pusillidactyla* (Wlk.)
6120 *Lioptilodes parvus* (Wlsm.)
6121 *Stenoptilodes crenulata* (B. & McD.)
Marasmarcha pumilio (Zell.)
Mariana taprobanes (Felder)

PTEROPHORIDAE: PTEROPHORINAE

6154 *Pselnophorus belfragei* (Fish)
6155 *Adaina bipunctata* (Mösch.)
6159 *Adaina buscki* B. & L.
6160 *Adaina ambrosiae* (Murt.)
6210 *Oidaematophorus balanotes* (Meyr.)
6212 *Oidaematophorus kellicottii* (Fish)
6213 *Oidaematophorus lacteodactylus* (Cham.)
6226 *Oidaematophorus unicolor* (B. & McD.)
6234 *Emmelina monodactyla* (L.)

DREPANIDAE: ORETINAE

6255 *Oreta rosea* (Wlk.)

GEOMETRIDAE: ENNOMINAE

6272a *Eumacaria latiferrugata brunneata* Pack.
6285 *Itame inextricata* (Wlk.)
6314 *Itame varadaria* (Wlk.)
6332 *Semiothisa punctolineata* (Pack.)
6335 *Semiothisa aequiferaria* (Wlk.)
6336 *Semiothisa distribuaria* (Hbn.)
6337 *Semiothisa sanfordi* Rindge
6341 *Semiothisa bicolorata* (F.)
6405 *Semiothisa gnophosaria* (Gn.)
6419 *Enconista dislocaria* (Pack.)
6437 *Hypomecis luridula* (Hulst)
6439 *Hypomecis umbrosaria* (Hbn.)
6443 *Glenoides texanaria* (Hulst)
6450 *Glena cognataria* (Hbn.)
6485 *Tornos cinctarius* Hulst
6486a *Tornos scolopacinarius spodius* Rindge
6487c *Tornos abjectarius kimballi* Rindge
6580 *Anacamptodes pergracilis* (Hulst)
6582 *Anacamptodes vellivolata* (Hulst)
6583 *Anacamptodes ephyraria* (Wlk.)
6584 *Anacamptodes humaria* (Gn.)
6586 *Anacamptodes defectaria* (Gn.)
6590 *Anavitrinelia pampinaria* (Gn.)
6599 *Epimecis hortaria* (F.)
6604 *Epimecis detexta* (Wlk.)
6652 *Lycia ypsilon* (S. A. Forbes)
6654 *Hypagyrtis unipunctata* (Haw.)
6711 *Thysanopyga intractata* (Wlk.)
6713 *Episemasia solitaria* (Wlk.)
6726 *Euchlaena obtusaria* (Hbn.)
6731 *Euchlaena madusaria* (Wlk.)
6732 *Euchlaena deplanaria* (Wlk.)
6733a *Euchlaena amoenaria astylusaria* (Wlk.)
6742 *Xanthotype rufaria* Swett
6745 *Cymatophora approximaria* Hbn.
6746 *Stenaspilatodes antidiscaria* (Wlk.)
6752 *Pero zalissaria* (Wlk.)
6763 *Nacophora quernaria* (J. E. Smith)
6800 *Sphacelodes vulneraria* (Hbn.)
6805 *Tacparia zalissaria* Wlk.
6834 *Cepphis decoloraria* (Hulst)
6858 *Lychnosea intermicata* (Wlk.)
6885 *Besma quercivoraria* (Gn.)
6889 *Lambdina pultaria* (Gn.)
6933 *Eusarca fundaria* (Gn.)
6941 *Eusarca confusaria* Hbn.
6966 *Eutrapela clemataria* (J. E. Smith)
6967 *Oxydia vesulia transponens* (Wlk.)
6968 *Oxydia cubana* (Warr.) [NOTE: H. D. Baggett (pers. comm.) believes that this is probably *O. vesulia*, since *O. cubana* is a coastal species. Frost's (1964) specimen was not located for examination.]

Patalene hamulata (Gn.) [NOTE: Kimball (1965) listed this species from ABS, but H. D. Baggett (pers. comm.) thinks that *P. olyzonaria* is probably the correct name. The specimens have not been located.]
6974a *Patalene olyzonaria puber* (G. & R.)
6982a *Prochoerodes transversata incurvata* (Gn.)
6986 *Nepheloleuca floridata* (Grt.)

GEOMETRIDAE: GEOMETRINAE

7028 *Nemoria extremaria* (Wlk.)
7031 *Nemoria catachloa* (Hulst)
7032 *Nemoria outina* Fgn.
7033 *Nemoria lixaria* (Gn.)
7045 *Nemoria bifilata* (Wlk.)
7051 *Phrudocentra centrifugaria* (H.-S.)
7053b *Dichorda iridaria remotaria* (Wlk.)
7059 *Synchlora frondaria frondaria* Gn.
7060 *Synchlora xysteraria* (Hulst)
7061 *Synchlora herbaria* (F.)
7064 *Synchlora cupedinaria* (Grt.)
7071 *Chlorochlamys chloroleucaria* (Gn.)
7075 *Chloropteryx tepperaria* (Hulst)
7077 *Chloropteryx paularia* (Mösch.)

GEOMETRIDAE: STERRHINAE

7094 *Lobocleta ossularia* (Gey.)
7097 *Lobocleta plemyraria* (Gn.)
7100 *Lobocleta peralbata* (Pack.)
7114 *Idaea demissaria* (Hbn.)
7115 *Idaea eremiata* (Hulst)
7118 *Idaea hilliata* (Hulst)
7120 *Idaea violacearia* (Wlk.)
7121 *Idaea ostentaria* (Wlk.)
7122 *Idaea tacturata* (Wlk.)
7124 *Idaea retractaria* (Wlk.)
7132 *Pleuroprucha insulsaria* (Gn.)
7134 *Cyclophora culicaria* (Gn.)
7137 *Cyclophora myrtaria* (Gn.)
7138 *Cyclophora benjamini* (Prout) [NOTE: This maybe a synonym of *C. myrtaria* (C. V. Covell, Jr., pers. comm.).]
7149 *Scopula lautaria* (Hbn.)
7151 *Scopula aemulata* (Hulst)
7152 *Scopula compensata* (Wlk.)
7154 *Scopula plantagenaria* (Hulst)
7156 *Scopula umbilicata* (F.)
7173 *Leptostales pannaria* (Gn.)
7174 *Leptostales crossii* (Hulst)
7175 *Leptostales hepaticaria* (Gn.)
7177 *Leptostales laevitaria* (Gey.)
7181 *Lophosis labeculata* (Hulst)

GEOMETRIDAE: LARENTIINAE

7196 *Eulithis diversilineata* (Hbn.)

7197 *Eulithis gracilineata* (Gn.)
7314 *Hammaptera parinotata* (Zell.)
7414 *Orthonama obstipata* (F.)
7416 *Orthonama centrostrigaria* (Woll.)
7417 *Disclisioprocta stellata* (Gn.)
7440 *Eubaphe mendica* (Wlk.)
7441 *Eubaphe meridiana* (Slosson)
7474 *Eupithecia miserulata* Grt.
7486 *Eupithecia jejunata* McD.
7648 *Dyspteris abortivaria* (H.-S.)

MIMALLONIDAE

7662 *Cicinnus melsheimeri* (Harr.)

APATELODIDAE

7663 *Apatelodes torrefacta* (J. E. Smith)

LASIOCAMPIDAE: MACROMPHALIINAE

7674 *Tolype notialis* Franc.
7683 *Artace cribraria* (Ljungh)

LASIOCAMPIDAE: LASIOCAMPINAE

7698 *Malacosoma disstria* Hbn.

SATURNIIDAE: CITHERONIINAE

7704 *Eacles imperialis* (Drury)
7706 *Citheronia regalis* (F.)
7708 *Citheronia sepulcralis* G. & R.
7715 *Dryocampa rubicunda* (F.)
7718 *Anisota consularis*Dyar
7723a *Anisota pellucida* (J. E. Smith) [NOTE: Kimball (1965) referred to this species as *Anisota virginiensis* (Drury), but Riotte & Peigler (1980) revised the group and determined the Florida population to be *A. pellucida*.]

SATURNIIDAE: HEMILEUCINAE

7730 *Hemileuca maia* (Drury)
7746 *Automeris io lilith* (Stkr.)

SATURNIIDAE: SATURNIINAE

7757 *Antheraea polyphemus* (Cram.)
7758 *Actias luna* (L.)
7766 *Callosamia securifera* (Maassen)

SPHINGIDAE: SPHINGINAE

7771 *Agrius cingulata* (F.)
7772 *Cocytius antaeus* (Drury)
7775 *Manduca sexta* (L.)
7776 *Manduca quinquemaculata* (Haw.)
7778 *Manduca rustica* (F.)
7784 *Dolba hyloeus* (Drury)
7787 *Ceratomia undulosa* (Wlk.)

7789 *Ceratomia catalpae* (Bdv.)
7793 *Paratrea plebeja* (F.)
7810 *Sphinx gordius* Cram.
7816 *Lapara coniferarum* (J. E. Smith)
7818 *Protambulyx strigilis* (L.)
7824 *Paonias excaecatus* (J. E. Smith)
7827 *Laothoe juglandis* (J. E. Smith)

SPHINGIDAE: MACROGLOSSINAE

7830 *Pseudosphinx tetrio* (L.)
7832 *Erinnyis alope* (Drury)
7834 *Erinnyis ello* (L.)
7837 *Erinnyis obscura* (F.)
7841 *Pachylia ficus* (L.)
7851 *Enyo lugubris* (L.)
7853 *Hemaris thysbe* (F.)
7854 *Hemaris gracilis* (G. & R.)
7859 *Eumorpha pandorus* (Hbn.)
7861 *Eumorpha achemon* (Drury)
7865 *Eumorpha fasciata* (Sulz.)
7866 *Eumorpha labruscae* (L.)
7871 *Deidamia inscripta* (Harr.)
7873 *Amphion floridensis* B. P. Clark
7884 *Darapsa versicolor* (Harr.)
7885 *Darapsa myron* (Cram.)
7886 *Darapsa pholus* (Cram.)
7890 *Xylophanes tersa* (L.)
7894 *Hyles lineata* (F.)

NOTODONTIDAE

7896 *Clostera inclusa jocosa* (Hy. Edw.)
[NOTE: The taxonomy of the genus *Datana* is much confused. Six species have been reported from ABS, but confirmation awaits revision of this difficult group.]
7902 *Datana ministra* (Drury)
7905 *Datana major* G. & R.
7907 *Datana integerrima* G. & R.
7909 *Datana robusta* Stkr.
7910 *Datana modesta* Beutenmüller
7911 *Datana ranaeceps* (Guér.-Méneville)
7915 *Nadata gibbosa* (J. E. Smith)
7917 *Hyperaeschra georgica* (H.-S.)
7920 *Peridea angulosa* (J. E. Smith)
7942 *Cerura scitiscripta* Wlk.
7945 *Nystalea indiana* Grt.
7951 *Symmerista albifrons* (J. E. Smith)
7957 *Dasylophia anguina* (J. E. Smith)
7968 *Litodonta hydromeli* Harv.
7975 *Macrurocampa marthesia* (Cram.)
7977 *Heterocampa astarte* Doubleday
7983 *Heterocampa obliqua* Pack.

7990 *Heterocampa umbrata* Wlk.
7994 *Heterocampa guttivitta* (Wlk.)
7995 *Heterocampa biundata* Wlk.
7998 *Lochmaeus manteo* Doubleday
8005 *Schizura ipomoeae* Doubleday
8007 *Schizura unicornis* (J. E. Smith)
8009 *Schizura apicalis* (G. & R.)
8010 *Schizura concinna* (J. E. Smith)
8011 *Schizura leptinoides* (Grt.)
8017 *Oligocentria lignicolor* (Wlk.)
8026 *Hyparpax perophoroides* (Stkr.)

ARCTIIDAE: LITHOSIINAE

8045 *Crambidia lithosioides* Dyar
8045.1 *Crambidia pallida* Pack.
8046 *Crambidia uniformis* Dyar
Crambidia species [NOTE: Kimball (1965, p. 73) listed this undescribed species from ABS.]
8068 *Cisthene striata* Ottol.
8071 *Cisthene subjecta* Wlk.
8089 *Hypoprepia miniata* (Kby.)
8090 *Hypoprepia fucosa* Hbn.
8098 *Clemensia albata* Pack.
8099 *Pagara simplex* Wlk.
8101 *Neoplynes eudora* (Dyar)
8102 *Afrida ydatodes* Dyar

ARCTIIDAE: ARCTIINAE

8105 *Utetheisa ornatrix* (L.)
8106 *Utetheisa bella* (L.)
8114 *Holomelina laeta* (Guér.-Méneville)
8121 *Holomelina aurantiaca* (Hbn.)
8129 *Pyrrharctia isabella* (J. E. Smith)
8130 *Seirarctia echo* (J. E. Smith)
8131 *Estigmene acrea* (Drury)
8134 *Spilosoma congrua* Wlk.
8136 *Spilosoma dubia* (Wlk.)
8137 *Spilosoma virginica* (F.)
8140 *Hyphantria cunea* (Drury)
8146 *Ecpantheria scribonia* (Stoll)
8169 *Apantesis phalerata* (Harr.)
8170 *Apantesis vittata* (F.)
8191 *Apantesis placentia* (J. E. Smith)
8198 *Apantesis doris* (Bdv.)
8199 *Apantesis arge* (Drury)
8203 *Halysidota tessellaris* (J. E. Smith)
8217 *Leucanopsis longa* (Grt.)
8227 *Pareuchaetes insulata* (Wlk.)
8228 *Cycnia inopinatus* (Hy. Edw.)
8255 *Pygarctia abdominalis* Grt.
8257 *Eupseudosoma involutum floridum* Grt.

ARCTIIDAE: CTENUCHINAE

8266 *Dahana atripennis* Grt.
8267 *Cisseps fulvicollis* (Hbn.)
8270 *Lymira edwardsii* (Grt.)
8271 *Eucereon carolina* (Hy. Edw.)
8280 *Cosmosoma myrodora* Dyar
8282 *Syntomeida ipomoeae* (Harr.)

LYMANTRIIDAE: ORGYIINAE

8292 *Dasychira tephra* Hbn.
8298 *Dasychira meridionalis meridionalis* (B. & McD.)
8301 *Dasychira leucophaea* (J. E. Smith)
8307 *Dasychira manto* (Stkr.)
8313 *Orgyia detrita* Guér.
8316 *Orgyia leucostigma leucostigma* (J. E. Smith)

NOCTUIDAE: HERMINIINAE

8322 *Idia americalis* (Gn.)
8323 *Idia aemula* Hbn.
8326 *Idia rotundalis* (Wlk.)
8329 *Idia diminuendis* (B. & McD.)
8334 *Idia lubricalis* (Gey.)
8336 *Idia gopheri* (J. B. Smith)
8347 *Zanclognatha obscuripennis* (Grt.)
8360 *Macrochilo orciferalis* (Wlk.)
8361 *Macrochilo louisiana* (Fbs.)
Macrochilo hypocritalis Ferguson
8366 *Tetanolita mynesalis* (Wlk.)
8368 *Tetanolita floridana* (J. B. Smith)
8370 *Bleptina caradrinalis* Gn.
8371 *Bleptina inferior* Grt.
8375 *Bleptina hydrillalis* Gn.
8376 *Hypenula cacuminalis* (Wlk.)
8378 *Renia salusalis* (Wlk.)
8379 *Renia factiosalis* (Wlk.)
8380 *Renia nemoralis* B. & McD.
8381 *Renia discoloralis* Gn.
8384.1 *Renia flavipunctalis* (Gey.)
8385 *Renia fraternalis* J. B. Smith
8386 *Renia adspergillus* (Bosc)
8387 *Renia sobrialis* (Wlk.)
Physula albipunctilla Schaus
8393 *Lascoria ambigualis* Wlk.
8395 *Lascoria alucitalis* Gn.
8396 *Lascoria orneodalis* Gn.
8398 *Palthis asopialis* (Gn.)
8400 *Redectis pygmaea* (Grt.)
8401 *Redectis vitrea* (Grt.)

NOCTUIDAE: RIVULINAE

Rivula pusilla Moesch.
8411 *Colobochyla interpuncta* (Grt.)

8419 *Prosoparia perfuscaria* Grt.

NOCTUIDAE: HYPENODINAE

Hypenodes species [NOTE: Kimball (1965, p. 144) listed this undescribed species from ABS.]
8431 *Schrankia macula* (Druce)
8433 *Sigela penumbrata* Hulst
8434 *Sigela basipunctaria* (Wlk.)
8435 *Sigela eoides* (B. & McD.)
8437 *Ablemma brimleyana* (Dyar)
8439 *Phobolosia anfracta* (Hy. Edw.) [NOTE: H. D. Baggett (pers. comm.) believes that this is probably *A. brimleyana*, but Frost's (1964) specimens have not been located for examination.]
8440 *Nigetia formosalis* Wlk.

NOCTUIDAE: HYPENINAE

8441 *Bomolocha manalis* (Wlk.)
8442 *Bomolocha baltimoralis* (Gn.)
8442.1 *Bomolocha ramstadtii* (Wyatt) ? [NOTE: Kimball (1965, p. 143) listed this as 3699,1 *Bomolocha* species. Wyatt (1967) presumed that *B. ramstadtii* was the same as Kimball's 3699,1, but he did not examine the specimens.]
8456 *Ophiuche abjuralis* (Wlk.)
8457 *Ophiuche minualis* (Gn.)
8459 *Ophiuche degasalis* (Wlk.)
8465 *Plathypena scabra* (F.)
8467 *Hemeroplanis scopulepes* (Haw.)
8471 *Hemeroplanis habitalis* (Wlk.)
8478 *Glympis concors* (Hbn.)
8480 *Phytometra ernestinana* (Blanchard)
8481 *Phytometra rhodarialis* (Wlk.)
8488 *Hormoschista latipalpis* (Wlk.)
Genus unrecognized, 3638,1 -. sp. [NOTE: Kimball (1965, p. 139) listed this undetermined taxon from ABS.]

NOCTUIDAE: CATOCALINAE

8490 *Pangrapta decoralis* Hbn.
8491 *Ledaea perditalis* (Wlk.)
8499 *Metalectra discalis* (Grt.)
8500 *Metalectra quadrisignata* (Wlk.)
8502 *Metalectra tantillus* (Grt.)
8505 *Metalectra richardsi* Brower
8509 *Arugisa latiorella* (Wlk.)
8514 *Scolecocampa liburna* (Gey.)
8522a *Gabara subnivosella bipuncta* (Morr.)
8523 *Gabara distema* (Grt.)
8525 *Phyprosopus callitrichoides* Grt.
8527 *Hypsoropha monilis* (F.)
8528 *Hypsoropha hormos* Hbn.
8541 *Gonodonta unica* Neum.
8545 *Anomis erosa* Hbn.
8546a *Anomis flava fimbriago* (Steph.)
8548 *Anomis impasta* Gn.

8551 *Anomis illita* Gn.
8554 *Alabama argillacea* (Hbn.)
8556 *Litoprosopus futilis* (G. & R.)
8560 *Diphthera festiva* (F.)
8561 *Raparna melanospila* (Gn.)
8573 *Metallata absumens* (Wlk.)
8574 *Anticarsia gemmatalis* Hbn.
8579 *Antiblemma concinnula* (Wlk.)
8582 *Ephyrodes cacata* Gn.
Epidromia fergusoni Solis
8586 *Massala obvertens* (Wlk.)
8587 *Panopoda rufimargo* (Hbn.)
8588 *Panopoda carneicosta* Gn.
8589 *Panopoda repanda* (Wlk.)
8599 *Melipotis fasciolaris* (Hbn.)
8603 *Melipotis januaris* (Gn.)
8607 *Melipotis jucunda* Hbn.
8618 *Drasteria graphica* Hbn.
8641 *Synedoida grandirena* (Haw.)
8642 *Hypocala andremona* (Cram.)
8649 *Ascalapha odorata* (L.)
8653 *Lesmone hinna* (Gey.)
8658 *Selenisa sueroides* (Gn.)
8665 *Coenipeta bibitrix* (Hbn.)
8666 *Metria amella* (Gn.)
8683 *Pseudanthracia coracias* (Gn.)
8687 *Zale fictilis* (Gn.)
8689 *Zale lunata* (Drury)
8691 *Zale declarans* (Wlk.)
8694 *Zale aeruginosa* (Gn.)
8708 *Zale metata* (J. B. Smith)
8709 *Zale curema* (J. B. Smith)
8717 *Zale horrida* Hbn.
8725 *Dysgonia similis* (Gn.)
8728 *Cutina albopunctella* Wlk.
Cutina species [NOTE: There is one specimen belonging to this genus in the ABS reference collection that appears to be an undescribed species.]
8733 *Caenurgia chloropha* (Hbn.)
8738 *Caenurgina crassiuscula* (Haw.) [NOTE: Frost's (1975) specimen could not be located, but H. D. Baggett (pers. comm.) feels that it is probably a misidentified *C. chloropha*.]
8739 *Caenurgina erechtea* (Cram.) [NOTE: Frost (1975) listed this species from ABS, but H. D. Baggett (pers. comm.) believes that it is another misidentification. The specimen could not be located.]
8743 *Mocis latipes* (Gn.)
8744 *Mocis marcida* (Gn.)
8746 *Mocis disseverans* (Wlk.)
8747 *Celiptera frustulum* Gn.
8749 *Ptichodis vinculum* (Gn.)
8752 *Ptichodis pacalis* (Wlk.)
8762 *Argyrostrotis quadrifilaris* (Hbn.)
8765 *Doryodes bistrialis* (Gey.)

8767 *Doryodes spadaria* Gn.
8772 *Catocala consors* (J. E. Smith)
8774 *Catocala muliercula* Gn.
8801 *Catocala ilia* (Cram.)
8847 *Catocala gracilis* Edw.
8873 *Catocala similis* Edw.
8878 *Catocala amica* (Hbn.)
8879 *Catocala jair* Stkr.

NOCTUIDAE: PLUSIINAE

8885 *Argyrogramma verruca* (F.)
8886 *Argyrogramma basigera* (Wlk.)
8887 *Trichoplusia ni* (Hbn.)
8889 *Agrapha oxygramma* (Gey.)
8890 *Pseudoplusia includens* (Wlk.)
8895 *Rachiplusia ou* (Gn.)
8907 *Autographa biloba* (Steph.)

NOCTUIDAE: EUTELIINAE

8955 *Marathyssa inficita* (Wlk.)
8956 *Marathyssa basalis* Wlk.
8957 *Paectes oculatrix* (Gn.)
8959 *Paectes pygmaea* Hbn.
8960 *Paectes burserae* (Dyar)
8962 *Paectes abrostoloides* (Gn.)
8965 *Paectes nubifera* Hamp.
8967 *Paectes arcigera* (Gn.)

NOCTUIDAE: NOLINAE

8983 *Meganola minuscula phylla* (Dyar)
Meganola spodia Franc. [NOTE: This is Kimball's (1965, p. 72) 897,2 *Meganola* species.]
8991 *Nola sorghiella* Riley
8997 *Nola laguncula riae* Dyar

NOCTUIDAE: ACONTIINAE

9003 *Tripudia quadrifera* (Zell.)
9010 *Tripudia versuta* (Hy. Edw.)
9013 *Cobubatha numa* (Druce)
9025 *Oruza albocostaliata* (Pack.)
9033 *Ozarba nebula* B. & McD.
9035 *Hyperstrotia nana* (Hbn.)
9044 *Thioptera nigrofimbria* (Gn.)
9046 *Lithacodia bellicula* Hbn.
9056 *Homophoberia cristata* Morr.
9057 *Homophoberia apicosa* (Haw.)
9070 *Amyna octo* (Gn.)
9076 *Eumicremma minima* (Gn.)
9077 *Eumestleta cinnamomea* (H.-S.)
9078 *Eumestleta recta* (Gn.)
9081 *Araeopteron vilhelmina* Dyar
9083 *Tarachidia parvula* (Wlk.)

9085 *Tarachidia semiflava* (Gn.)
9090 *Tarachidia candefacta* (Hbn.)
9095 *Tarachidia erastrioides* (Gn.)
9102 *Fruva fasciatella* (Grt.)
9122 *Spragueia dama* (Gn.)
9126 *Spragueia onagrus* (Gn.)
9131a *Spragueia apicalis apicella* (Grt.)
9136 *Acontia aprica* (Hbn.)
9145 *Acontia terminimaculata* (Grt.)
9168 *Bagisara repanda* (F.)

NOCTUIDAE: PANTHEINAE

9182 *Panthea furcilla* (Pack.)
9189 *Charadra deridens* (Gn.)

NOCTUIDAE: ACRONICTINAE

9200 *Acronicta americana* (Harr.)
9211 *Acronicta tritona* (Hbn.)
9219 *Acronicta connecta* Grt.
9254 *Acronicta afflicta* Grt.
9255 *Acronicta brumosa persuasa* (Harv.)
9257 *Acronicta impleta* Wlk.
9264 *Acronicta longa* Gn.
9271 *Acronicta arioch* Stkr.
9272 *Acronicta oblinita* (J. E. Smith)
Acronicta sinescripta Fgn.
9274 *Acronicta lanceolaria* (Grt.)
9280 *Simyra henrici* (Grt.)
9281 *Agriopodes fallax* (H.-S.)
9285 *Polygrammate hebraeicum* Hbn.
9286 *Harrisimemna trisignata* (Wlk.)

NOCTUIDAE: AGARISTINAE

9299 *Eudryas unio* (Hbn.)
9301 *Eudryas grata* (F.)
9316 *Alypia wittfeldii* Hy. Edw.

NOCTUIDAE: AMPHIPYRINAE

9425 *Meropleon cosmion* Dyar
9481 *Papaipema stenocelis* (Dyar)
9482 *Papaipema speciosissima* (G. & R.)
9520 *Achatodes zeae* (Harr.)
9522 *Iodopepla u-album* (Gn.)
9523 *Bellura gortynoides* Wlk.
9524 *Bellura brehmei* (B. & McD.)
9525c *Bellura obliqua anoa* (Dyar)
9526 *Bellura densa* (Wlk.)
9545 *Euplexia benesimilis* McD.
9561 *Dypterygia patina* (Harv.)
9592 *Properigea tapeta* (J. B. Smith)
9618 *Phosphila turbulenta* Hbn.

9619 *Phosphila miselioides* (Gn.)
9629 *Fagitana littera* (Gn.)
9630 *Callopistria floridensis* (Gn.)
9631 *Callopistria mollissima* (Gn.)
9632 *Callopistria granitosa* (Gn.)
9633 *Callopistria cordata* (Ljungh)
9635 *Phuphena obliqua* (J. B. Smith)
9636 *Acherdoa ferraria* Wlk.
9637 *Magusa orbifera* (Wlk.)
9644 *Micrathetis triplex* (Wlk.)
9664 *Balsa labecula* (Grt.)
9665 *Spodoptera exigua* (Hbn.)
9666 *Spodoptera frugiperda* (J. E. Smith)
9669 *Spodoptera ornithogalli* (Gn.)
9670 *Spodoptera latifascia* (Wlk.)
9671 *Spodoptera dolichos* (F.)
9672 *Spodoptera eridania* (Cram.)
9673 *Spodoptera sunia* (Gn.)
9675 *Elaphria fuscimacula* (Grt.)
9676 *Elaphria nucicolora* (Gn.)
9677 *Elaphria agrotina* (Gn.)
9678 *Elaphria versicolor* (Grt.)
9679 *Elaphria chalcedonia* (Hbn.)
9681 *Elaphria festivoides* (Gn.)
9682 *Elaphria exesa* (Gn.)
Elaphria deltoides Mösch.
9687 *Gonodes liquida* (Mösch.)
9688 *Galgula partita* Gn.
9690 *Platysenta videns* (Gn.)
9693 *Platysenta mobilis* (Wlk.)
9696 *Platysenta vecors* (Gn.)
9698 *Platysenta concisa* (Wlk.)
9699 *Platysenta sutor* (Gn.)
9713 *Condica cupentia* (Cram.)
9714 *Condica confederata* (Grt.)
9720 *Ogdoconta cinereola* (Gn.)
9725 *Stiriodes obtusa* (H.-S.)
9818 *Amolita fessa* Grt.
9819 *Amolita obliqua* J. B. Smith
9821 *Amolita roseola* J. B. Smith

NOCTUIDAE: CUCULLIINAE

Metaxaglaea species [NOTE: Frost (1964) listed this as *Metaxaglaea viatica* (Grt.), but D. F. Schweitzer examined the specimen and thought that it was probably *Metaxaglaea violacea* Schweitzer. H. D. Baggett, however, examined the same individual and believes it to be *Metaxaglaea semitaria* Franc.]
9949 *Chaetaglaea tremula* (Harv.)
10016 *Copipanolis styracis* (Gn.)
10019 *Psaphida resumens* Wlk.
10154 *Lepipolys perscripta* Gn.

NOCTUIDAE: HADENINAE

10264 *Trichoclea vindemialis* (Gn.)
10278 *Polia leomegra carbonifera* (Hamp.) [NOTE: Frost (1975) listed several captures under *Polia carbonifera*, but the specimens have not been located and H. D. Baggett (pers. comm.) strongly suspects that they are misidentified.]
10411 *Lacinipolia laudabilis* (Gn.)
10424 *Lacinipolia parvula* (H.-S.)
10438 *Pseudaletia unipuncta* (Haw.)
10439 *Leucania extincta* Gn.
10454 *Leucania latiuscula* H.-S.
10455 *Leucania scirpicola* Gn.
10457 *Leucania infatuans* Franc.
10463 *Leucania pilipalpis* (Grt.)
Leucania opalisans (Draudt)
Leucania senescens Mösch.
Leucania subpunctata Harvey
10519 *Morrisonia mucens* (Hbn.)
10521 *Morrisonia confusa* (Hbn.)
10563 *Protorthodes oviduca* (Gn.)
10585 *Orthodes crenulata* (Butler)
10627a *Tricholita signata semitropicae* (B. & Benj.)
10633 *Tricholita lutina* (J. B. Smith)
10640 *Xanthopastis timais* (Cram.)

NOCTUIDAE: NOCTUINAE

10661 *Agrotis malefida* Gn.
10663 *Agrotis ipsilon* (Hufn.)
10664 *Agrotis subterranea* (F.)
Agrotis apicalis H.-S. [NOTE: This is Kimball's (1965) 1435,1 *Agrotis* near *ypsilon*.]
10680 *Feltia geniculata* G. & R.
10696 *Eucoptocnemis dapsilis* (Grt.)
10901 *Euagrotis lubricans* (Gn.)
10903 *Euagrotis illapsa* (Wlk.)
10911 *Anicla infecta* (Ochs.)
10915 *Peridroma saucia* (Hbn.)

NOCTUIDAE: HELIOTHINAE

11055 *Derrima stellata* Wlk.
11068 *Heliothis zea* (Boddie)
11070 *Heliothis subflexus* Gn.
11071 *Heliothis virescens* (F.)
11099 *Schinia scissoides* (Benj.)
11104 *Schinia spinosae* (Gn.)
11107 *Schinia fulleri* (McElvare)
11112 *Schinia sordida* J. B. Smith
11115 *Schinia siren* (Stkr.)
11116 *Schinia tuberculum* (Hbn.)
11117 *Schinia lynx* (Gn.)
11135 *Schinia rivulosa* (Gn.)
11137 *Schinia nubila* (Stkr.)
11140 *Schinia saturata* (Grt.)

11149 *Schinia trifascia* Hbn.
11168 *Schinia gaurae* (J. E. Smith)
11173 *Schinia sanguinea* (Gey.)
11177 *Schinia nundina* (Drury)

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DISTRIBUTIONAL REVIEW OF THE ORTHOPTERA OF FLORIDA

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ABSTRACT

Two hundred forty-one species of Orthoptera are now known to occur in Florida. The affinities of most of the species are with the southeastern United States. Forty-one species are restricted to Florida. The south Florida (tropical) fauna contains 129 species. Nine species are introduced. Nine species are naturally and exclusively shared between Florida and the West Indies or mainland Neotropics. The distribution by families is: Tetrigidae, 13 species; Acrididae, 72 species; Tridactylidae, 2 species; Tettigoniidae, 64 species; Gryllacrididae, 12 species; Gryllidae, 74 species; and Gryllotalpidae, 4 species.

RESUMEN

Ya se sabe que 241 especies de Orthóptera ocurren en la Florida. Las afinidades de la mayoría de las especies son con el sureste de los Estados Unidos. Cuarenta y un especies estan restringidas a la Florida. La fauna del sur de la Florida (o sea la fauna tropical) contiene 129 especies. Nueve especies son introducidas. Nueve especies se comparten naturalmente y exclusivamente entre la Florida y las Indias Occidentales o la tierra firme de los Neotrópicos. La distribución por familias es: Tetrigidae, 13 especies; Acrididae, 72 especies; Tridactylidae, 2 especies; Tettigoniidae, 64 especies; Gryllacrididae, 12 especies; Gryllidae, 74 especies; y Gryllotalpidae, 4 especies.