

Lepidoptera of North America

2. Distribution of the Butterflies (Papilionoidea and Hesperioidea) of the eastern United States



**Contributions of the
C.P. Gillette Museum of Arthropod Diversity
Colorado State University**

Lepidoptera of North America
2. Distribution of the Butterflies (Papilionoidea and Hesperioidea) of the eastern United States



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C.P. Gillette Museum of Arthropod Diversity
Colorado State University**

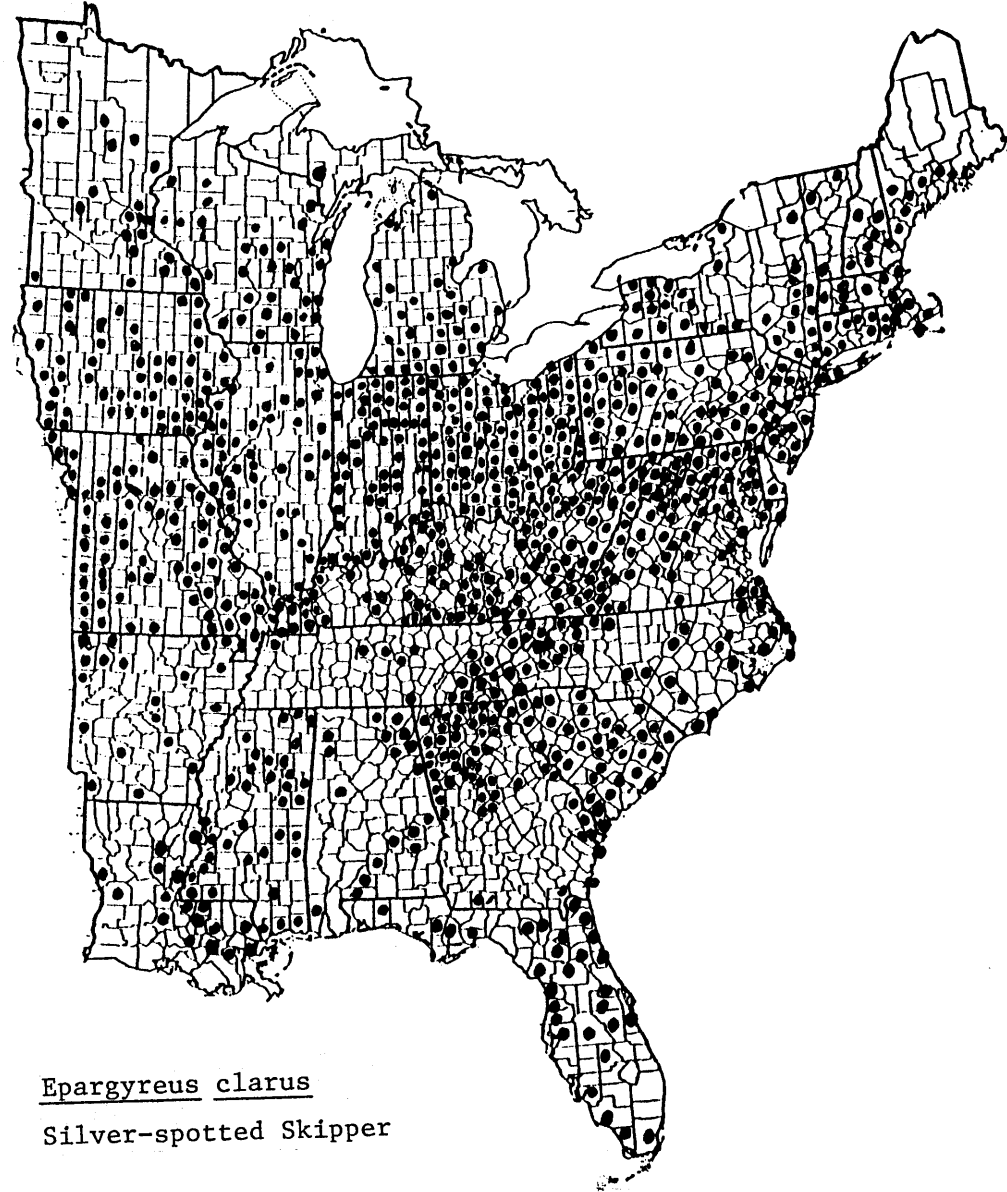
Lepidoptera of North America
2. Distribution of the Butterflies (Papilionoidea and
Hesperioidea) of the eastern United States

by

Paul A. Opler
Gillette Museum of Arthropod Diversity
Department of Bioagricultural Sciences and Pest Management
Colorado State University, Fort Collins, CO 80523

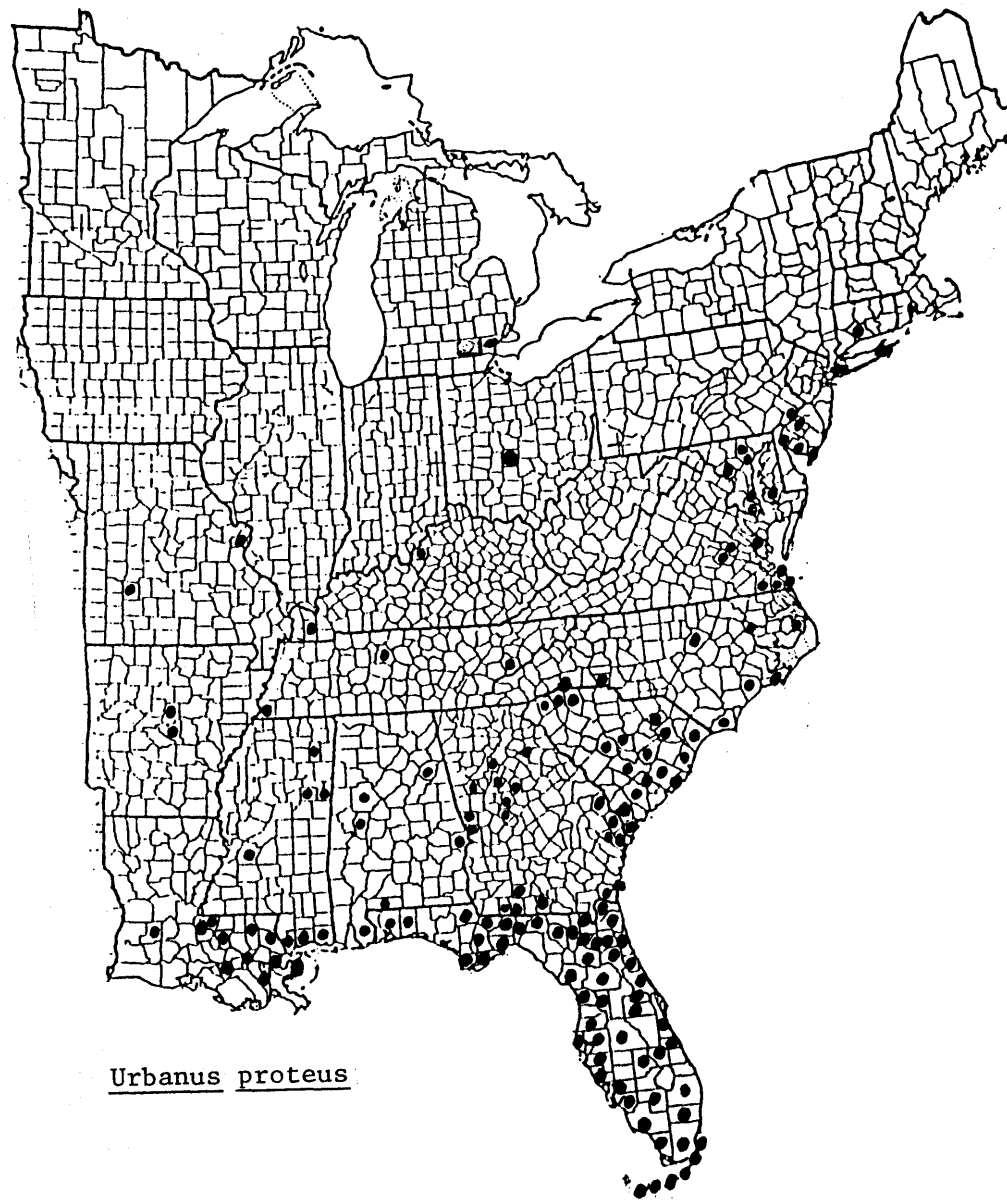
1995

Contributions of the
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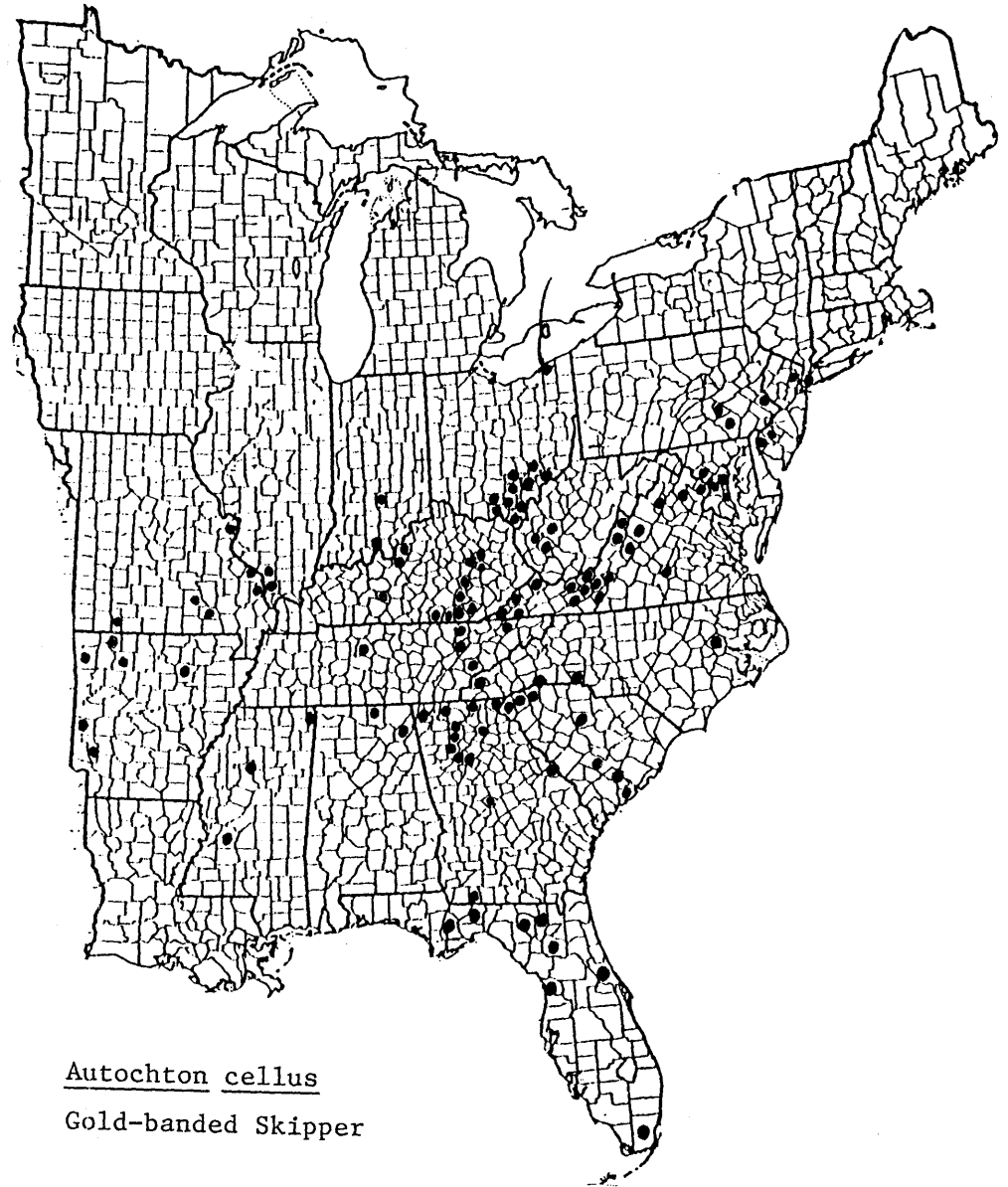
Polygonus leo



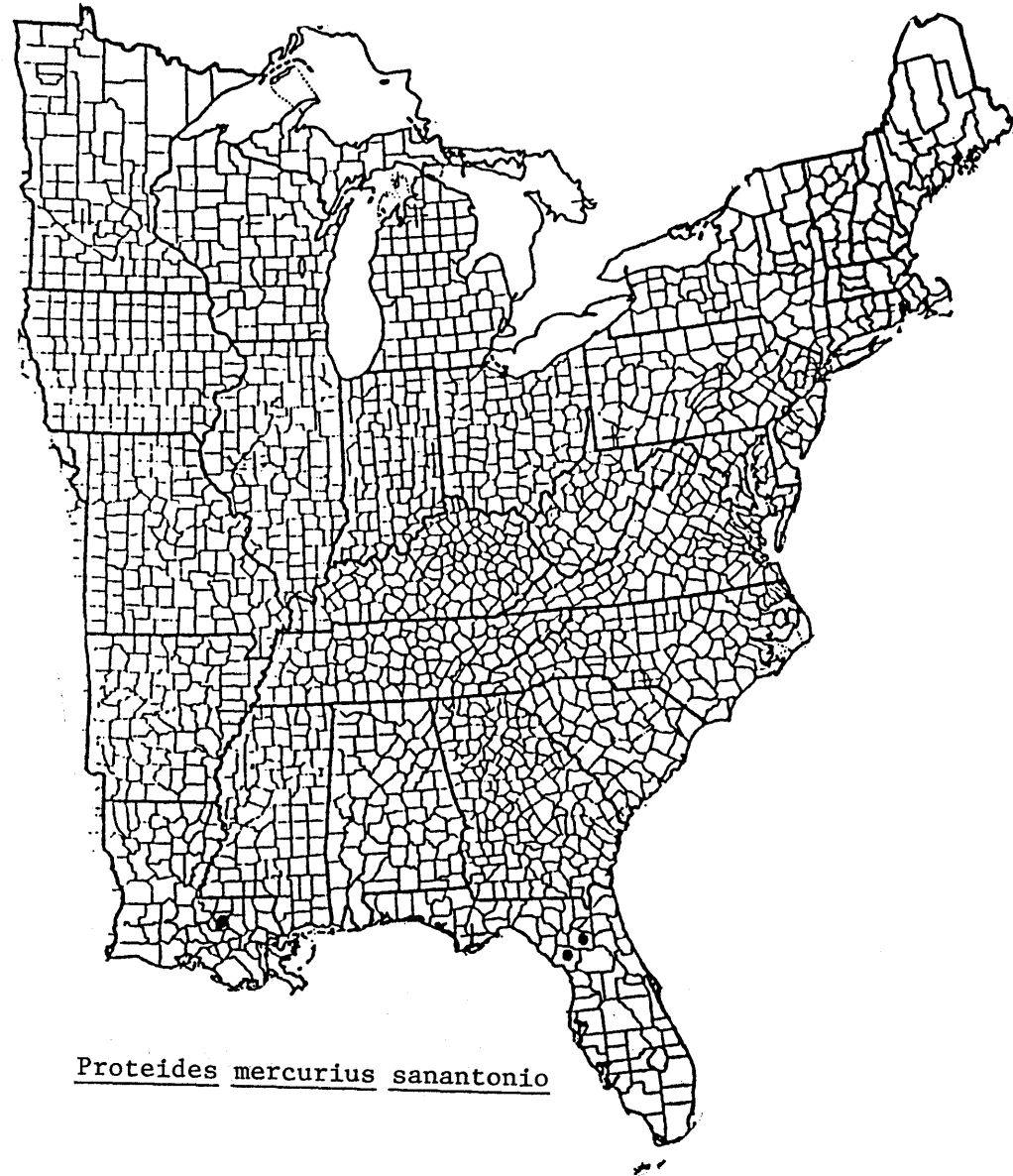
Urbanus proteus

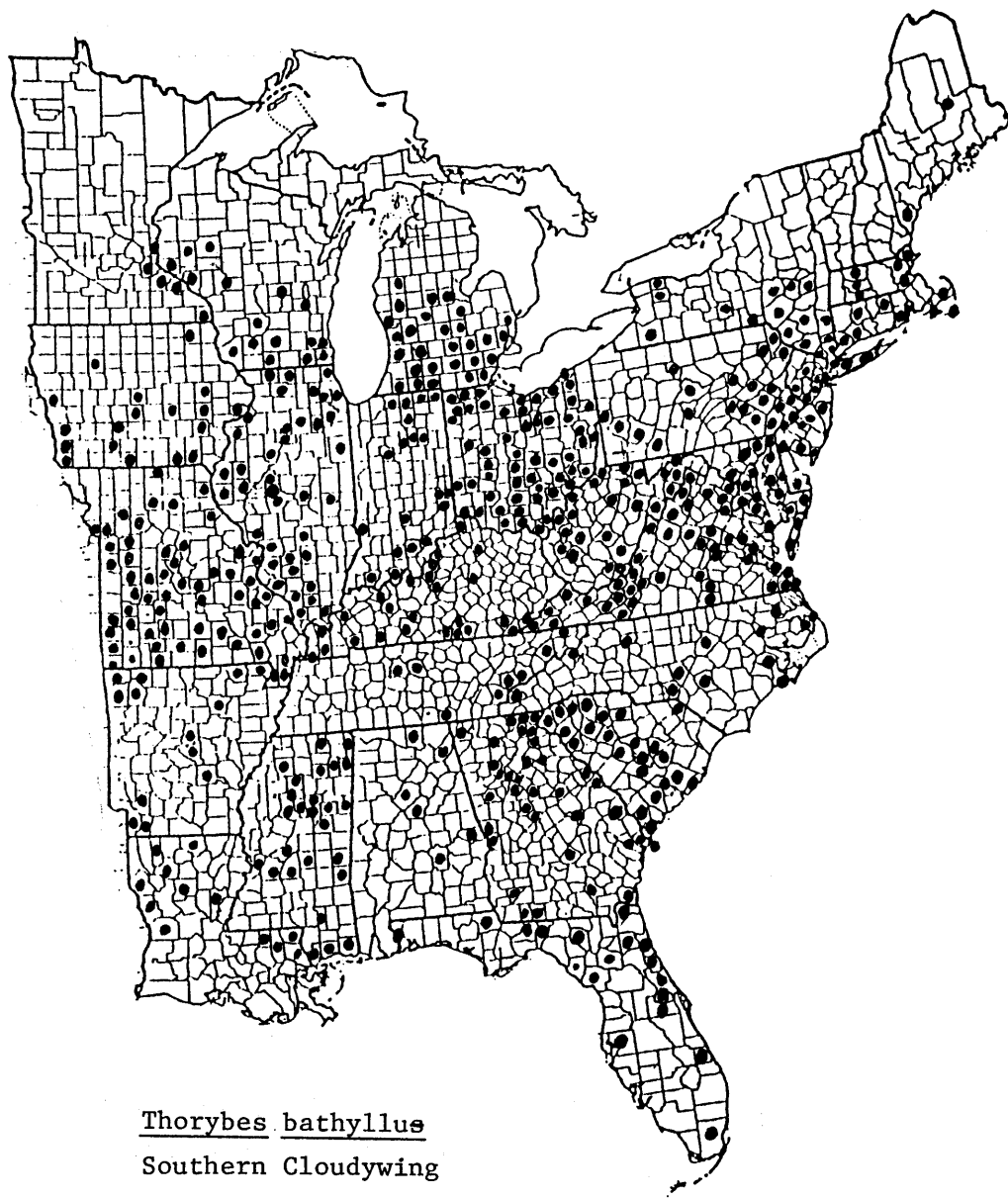
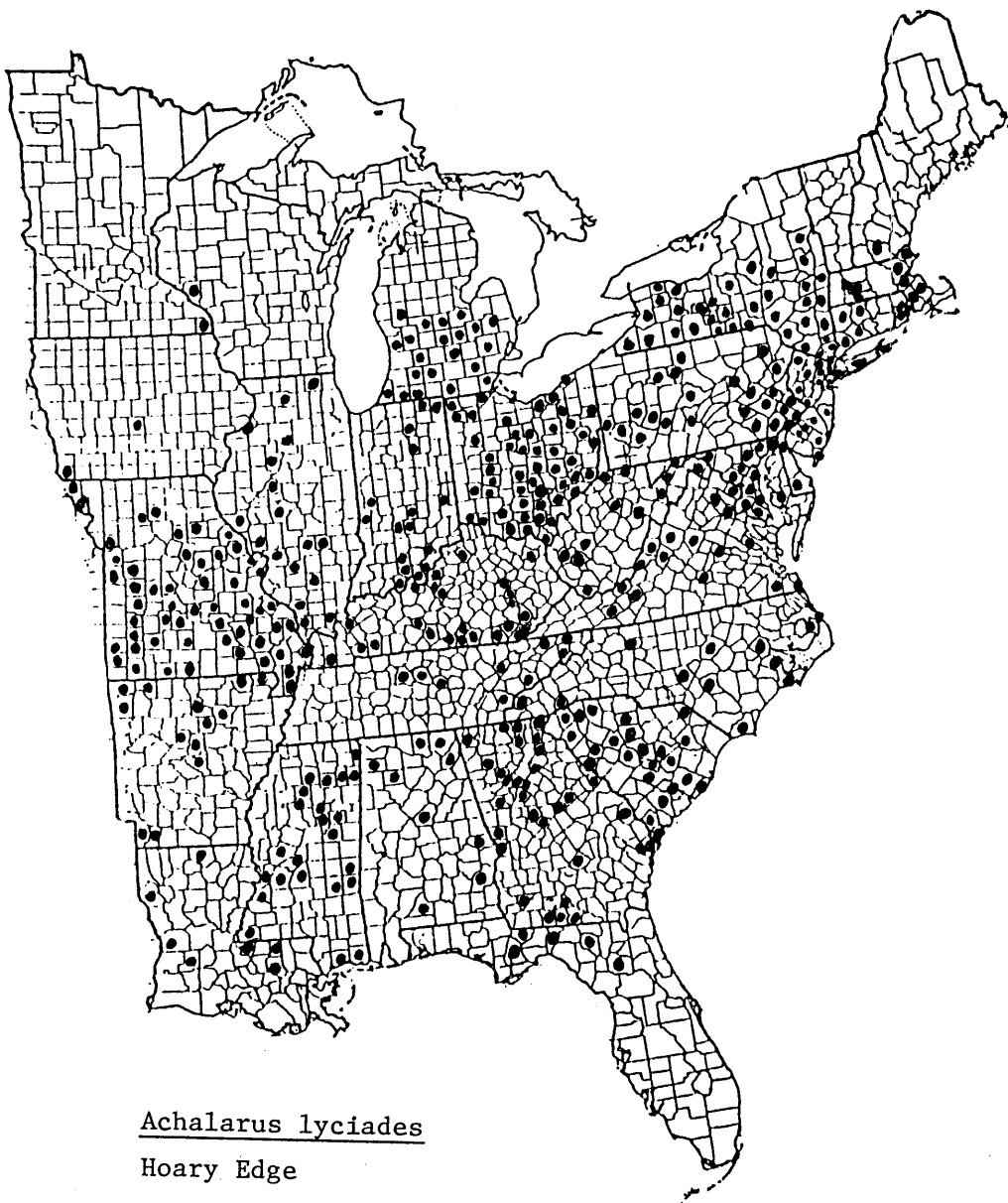


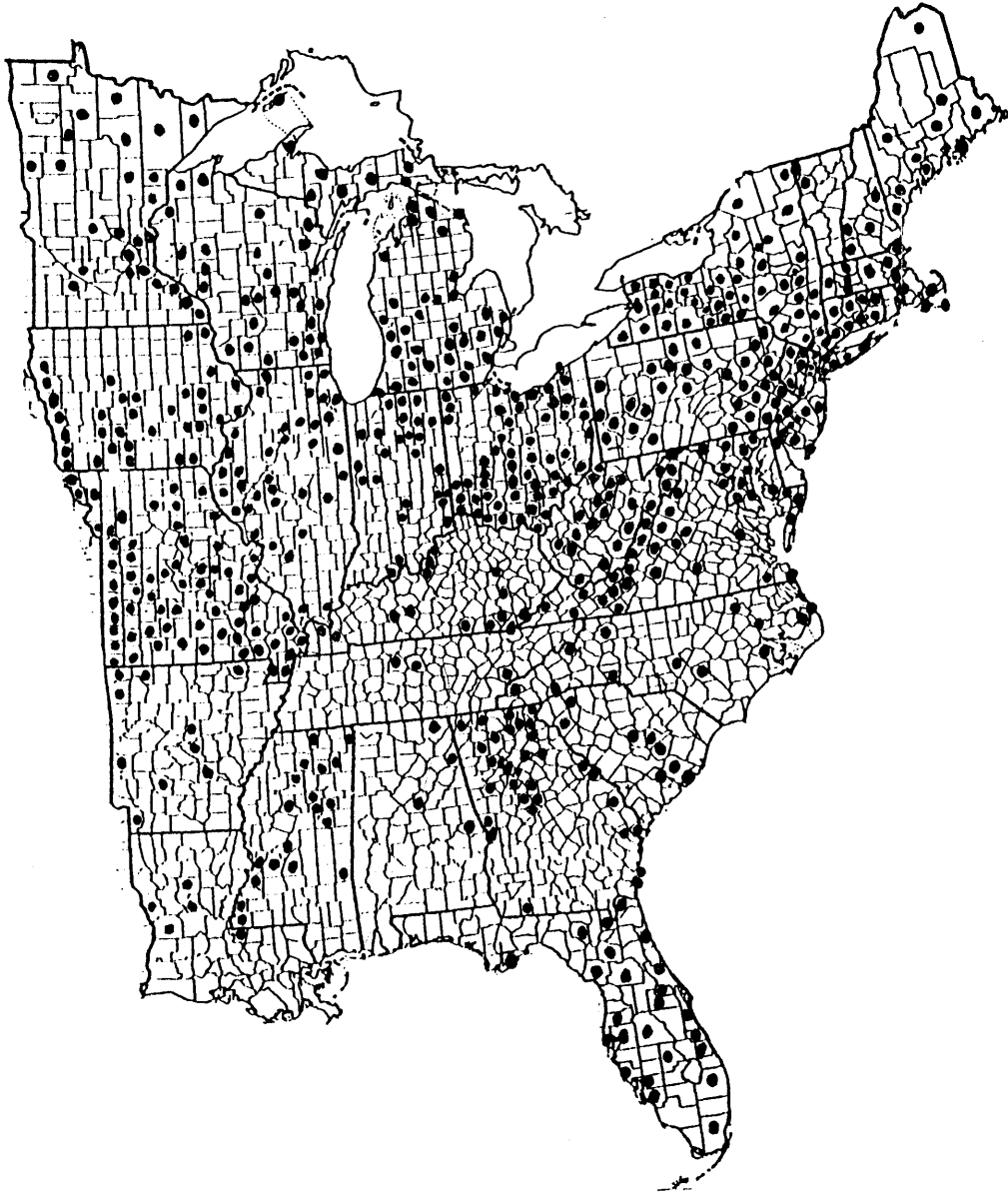
Urbanus dorantes



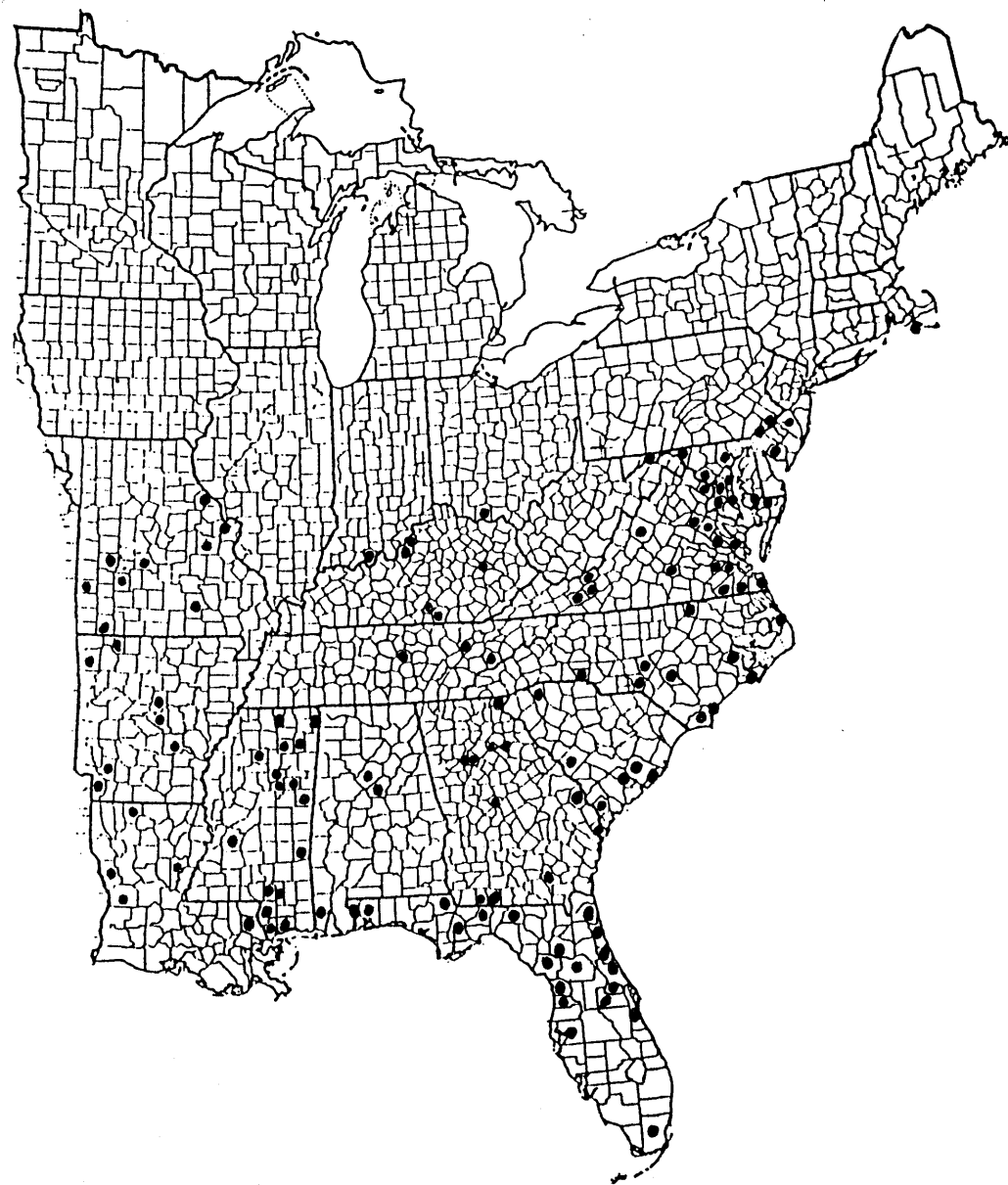
Autochton cellus
Gold-banded Skipper



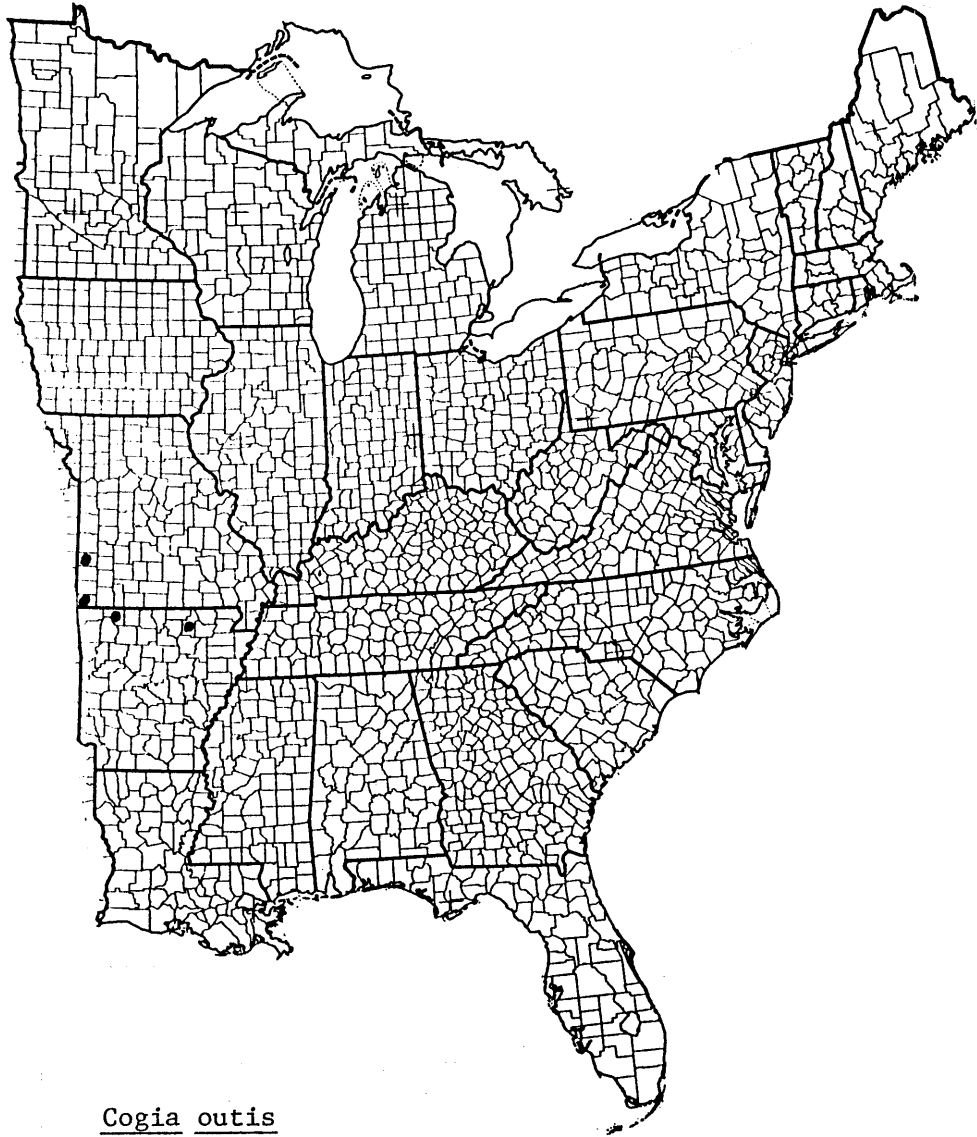




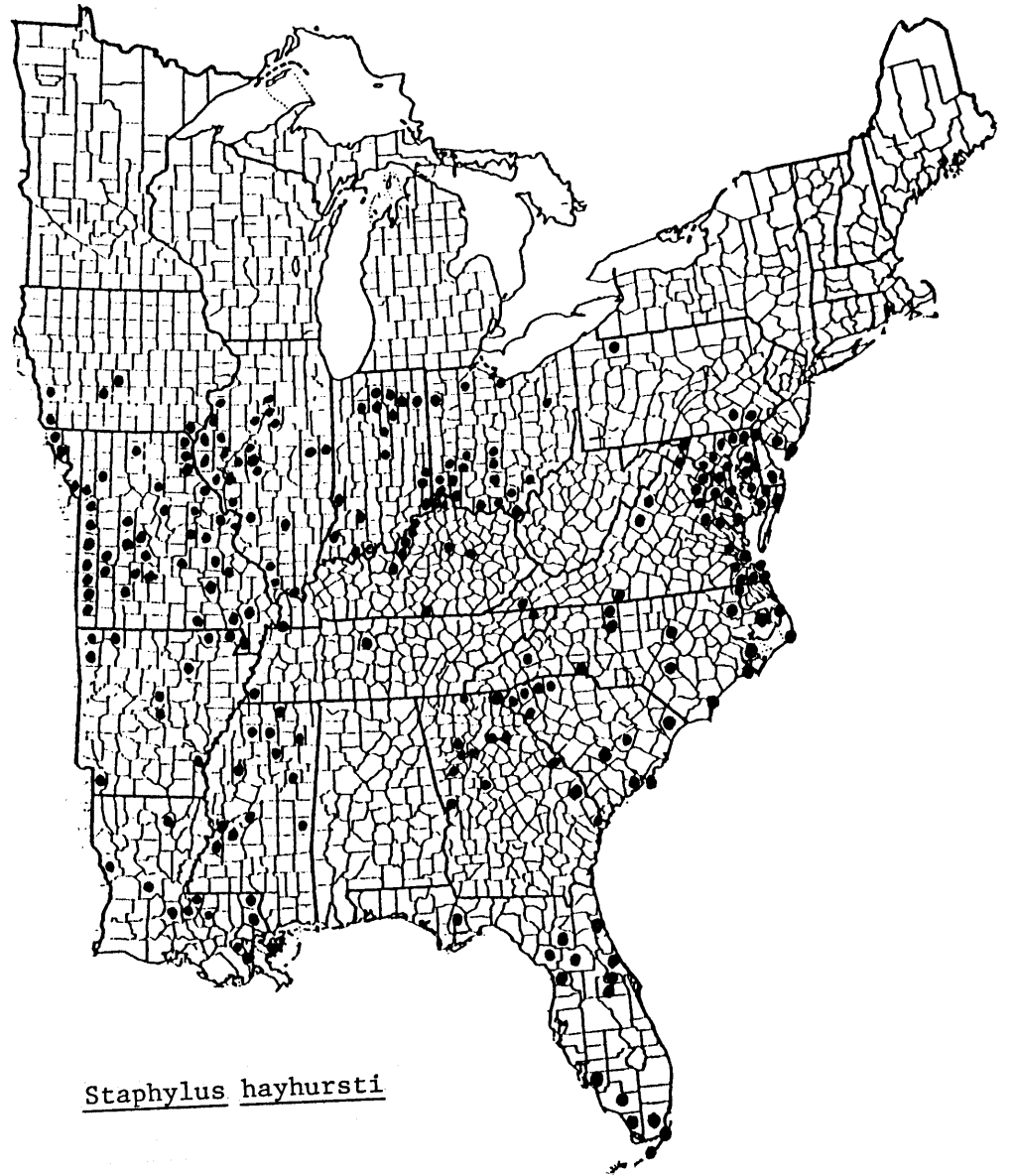
Thorybes pylades
Northern Cloudywing



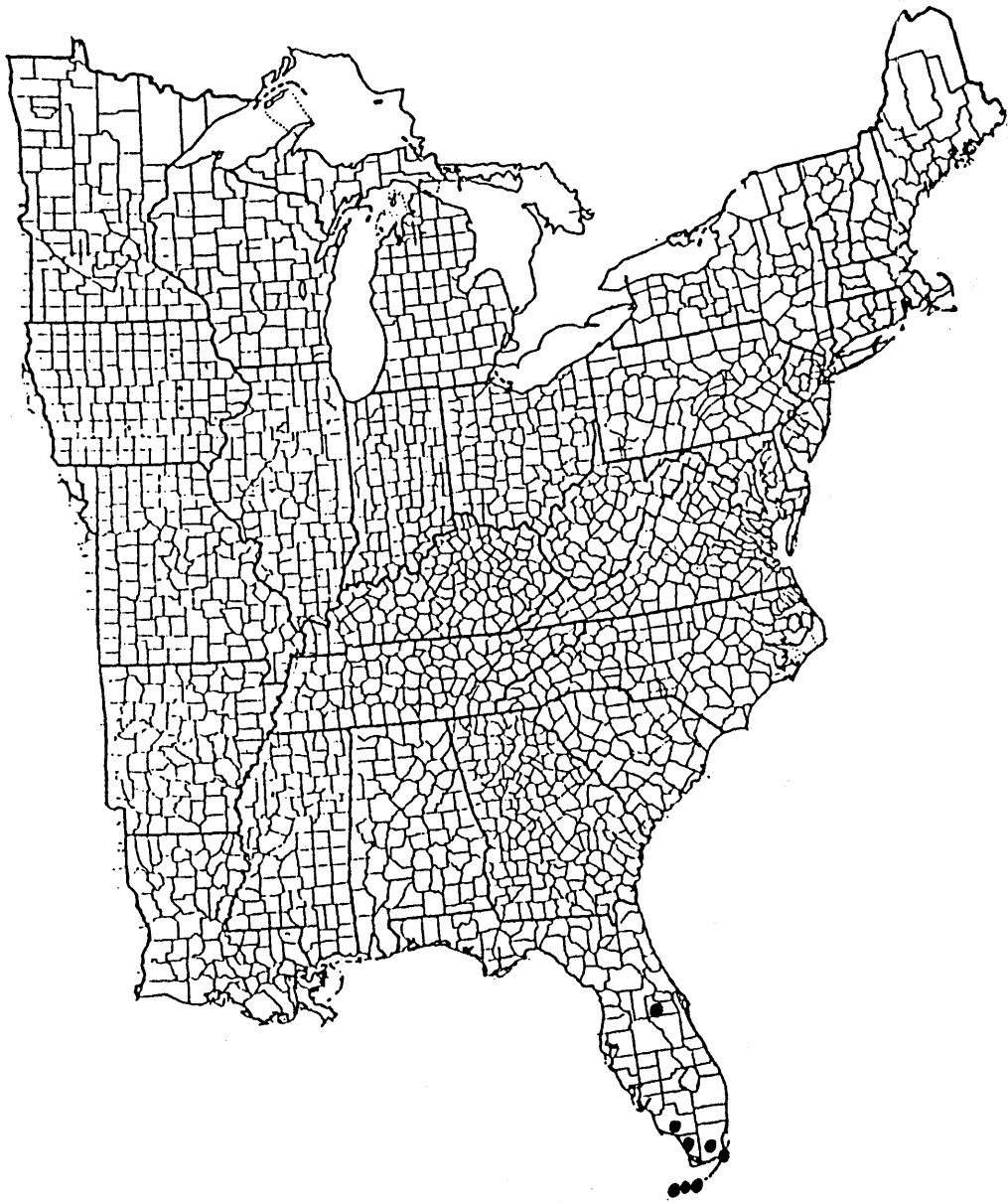
Thorybes confusus
Confused Cloudywing



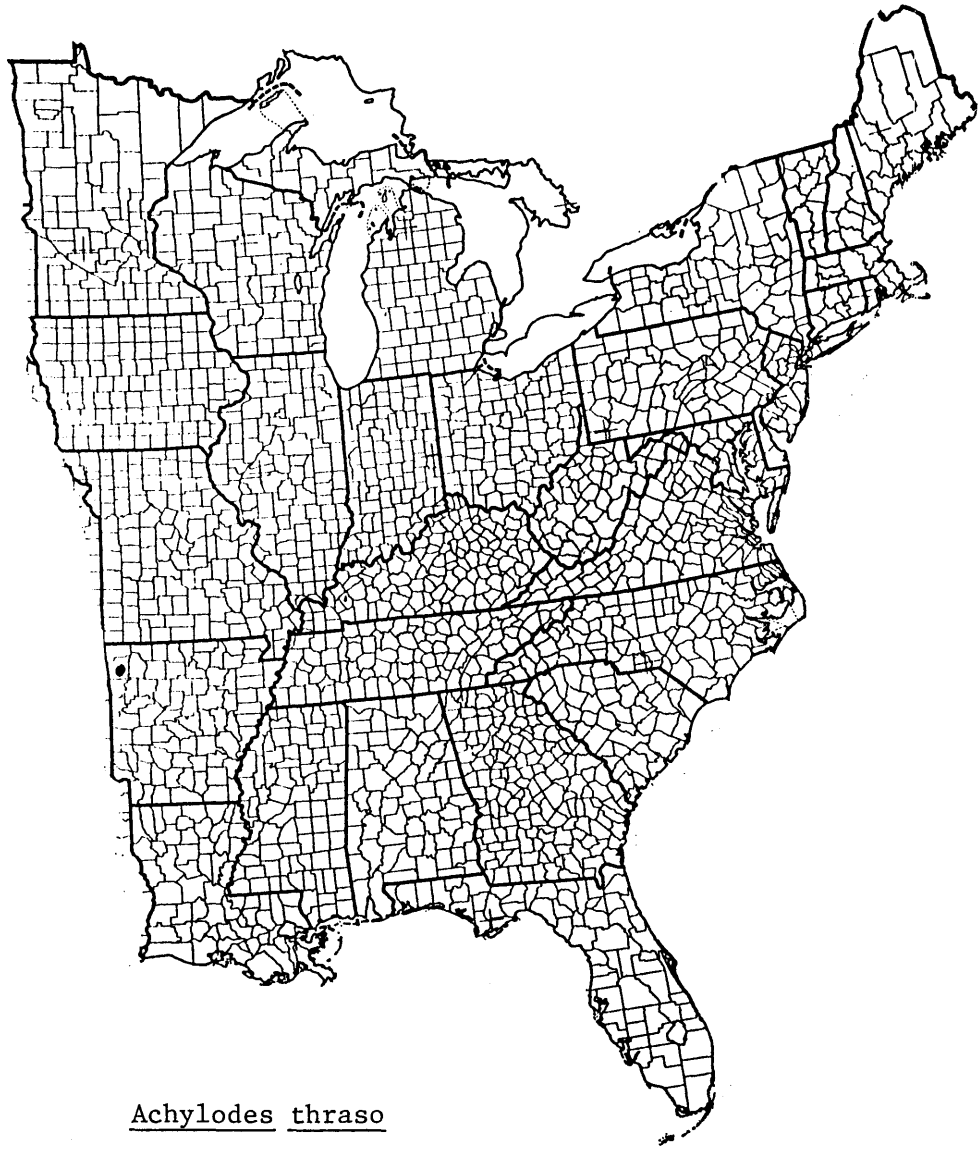
Cogia outis



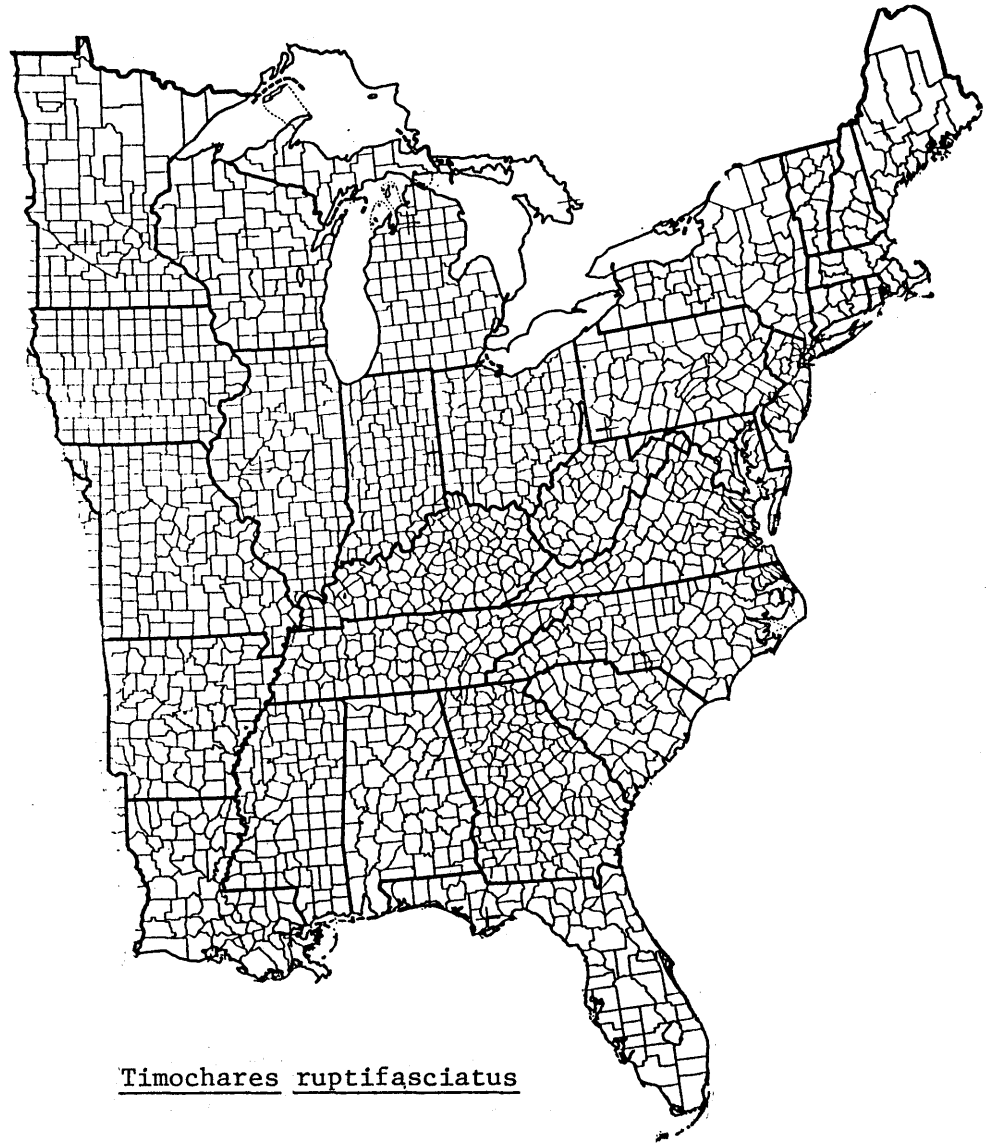
Staphylus hayhursti



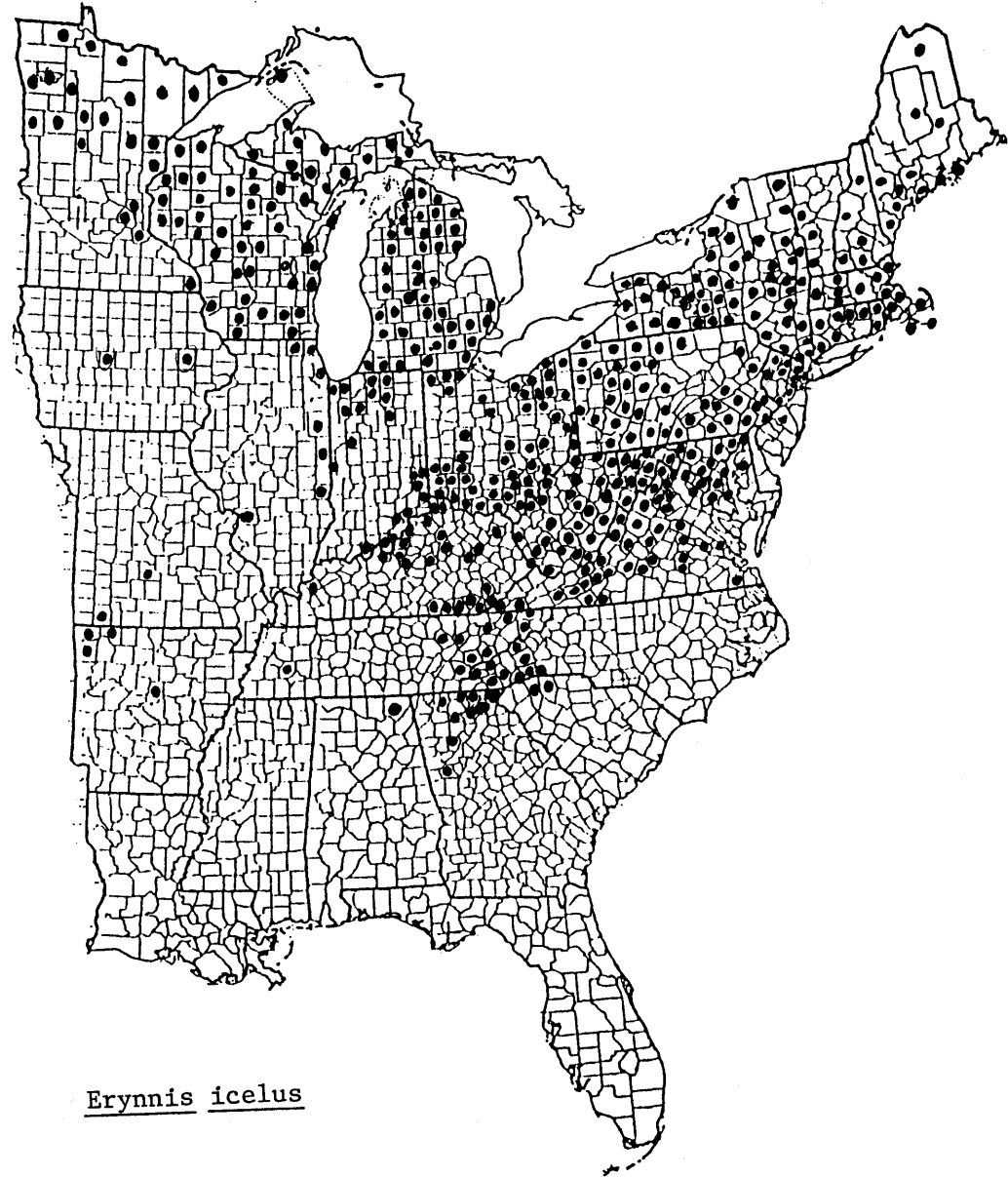
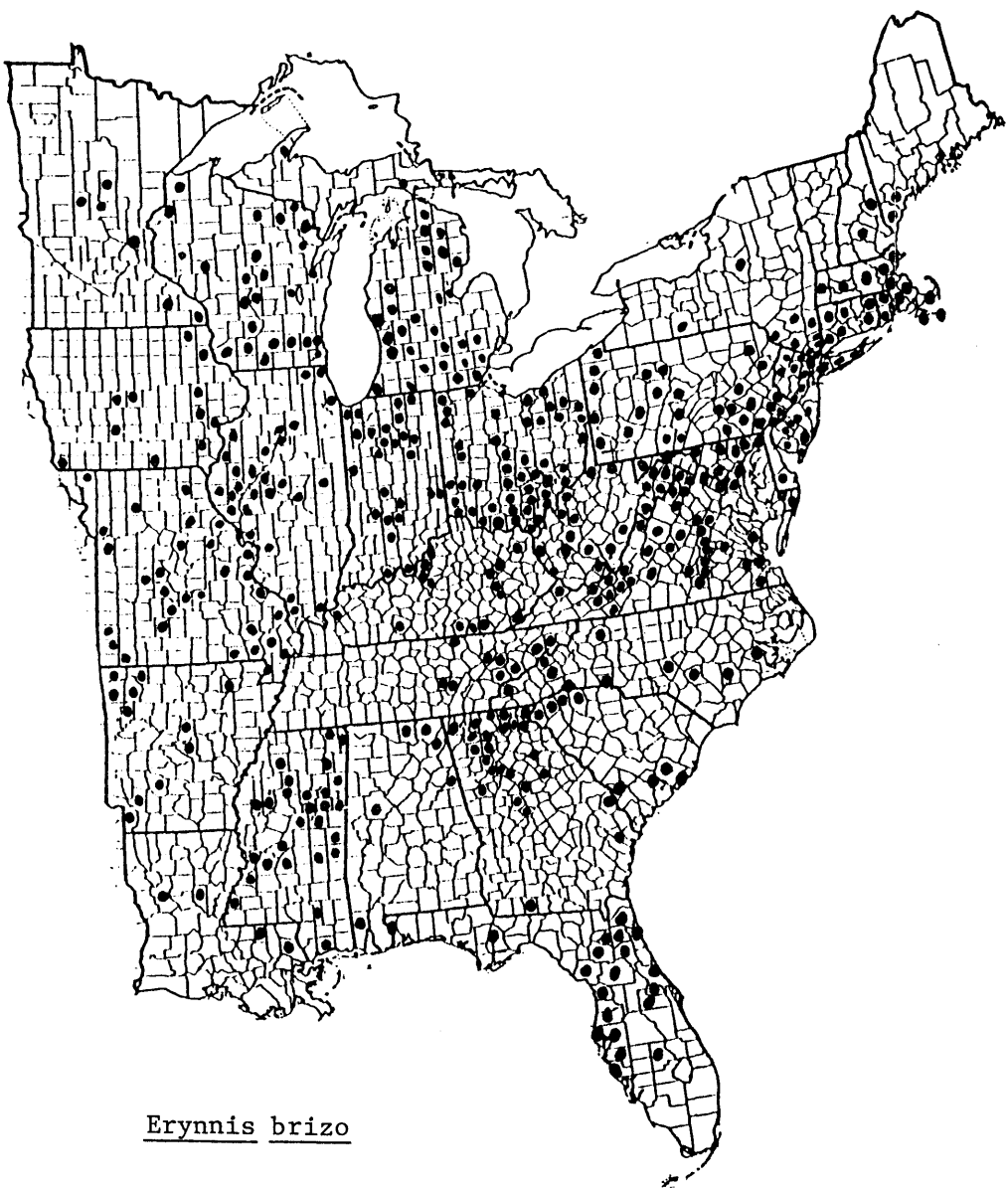
Ephyriades brunnea floridensis



Achylodes thraso

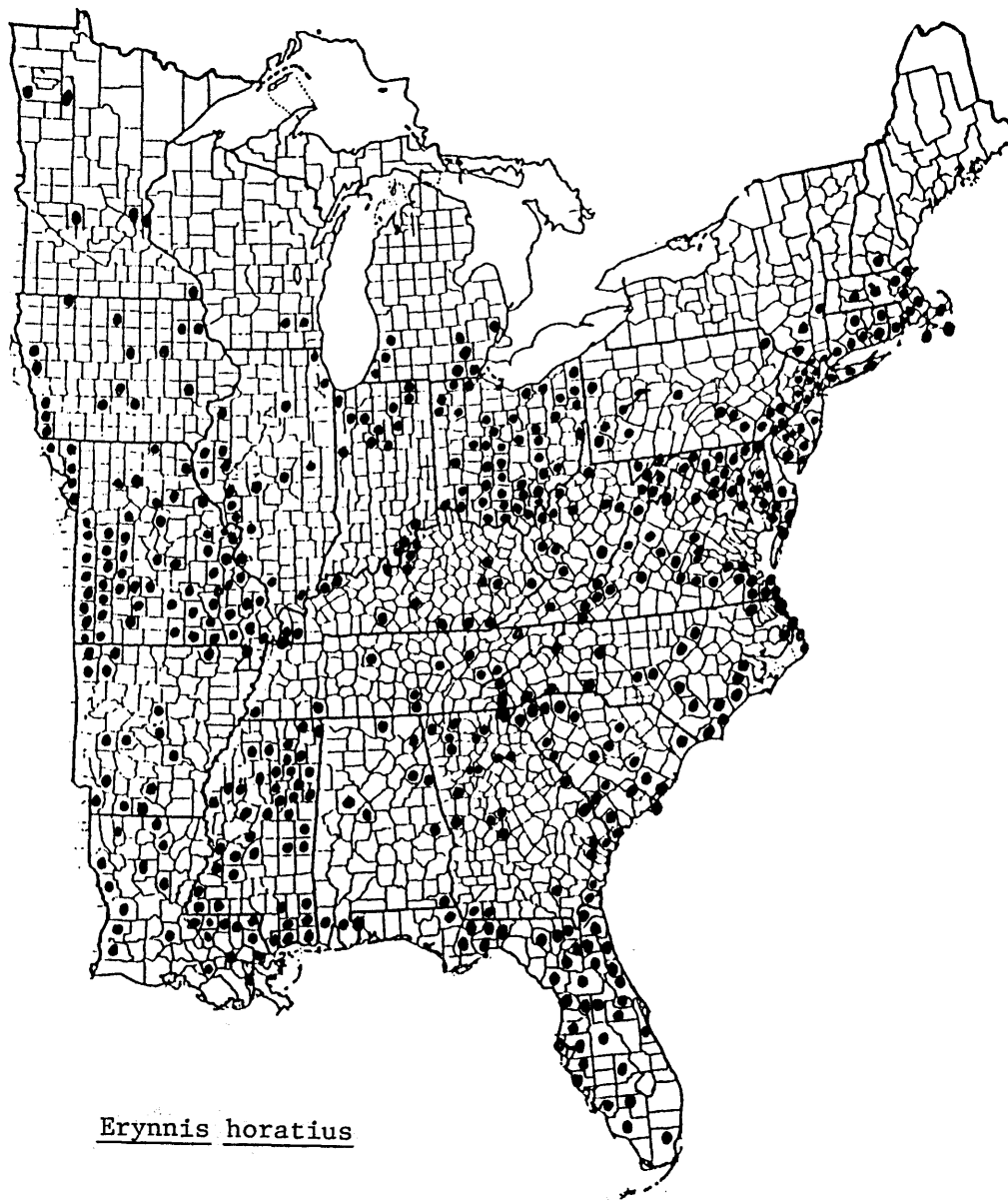


Timochares ruptifasciatus

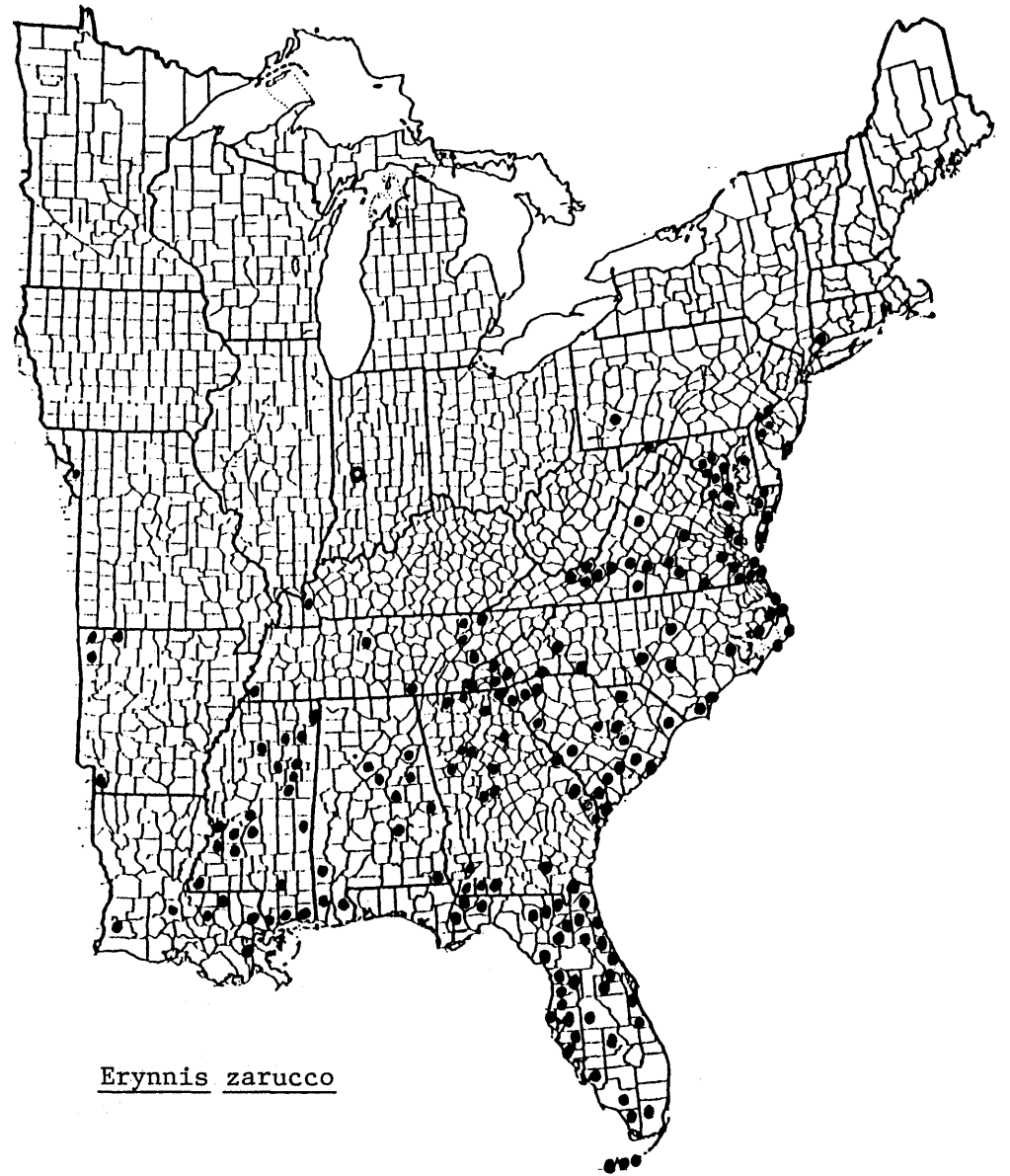
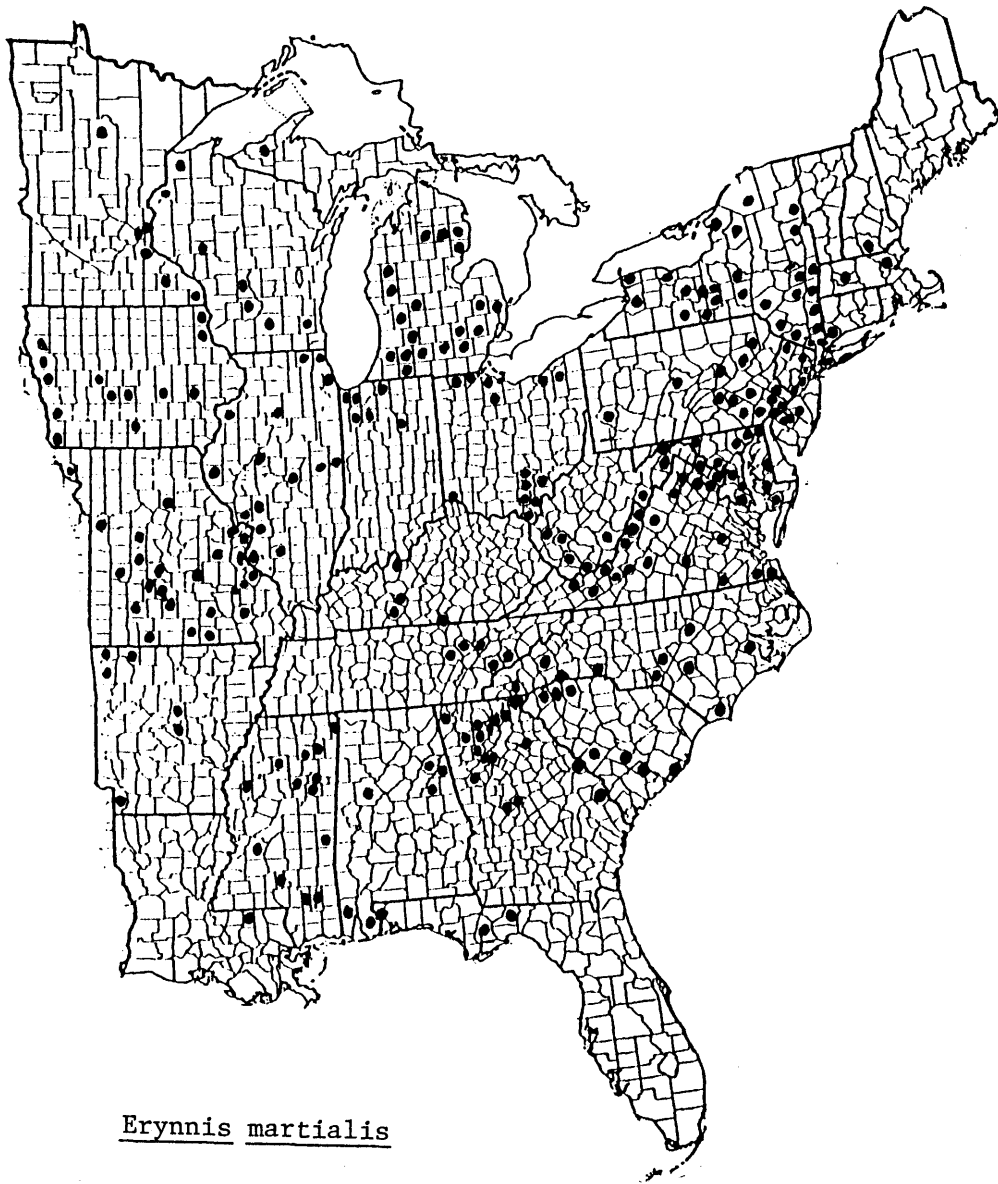


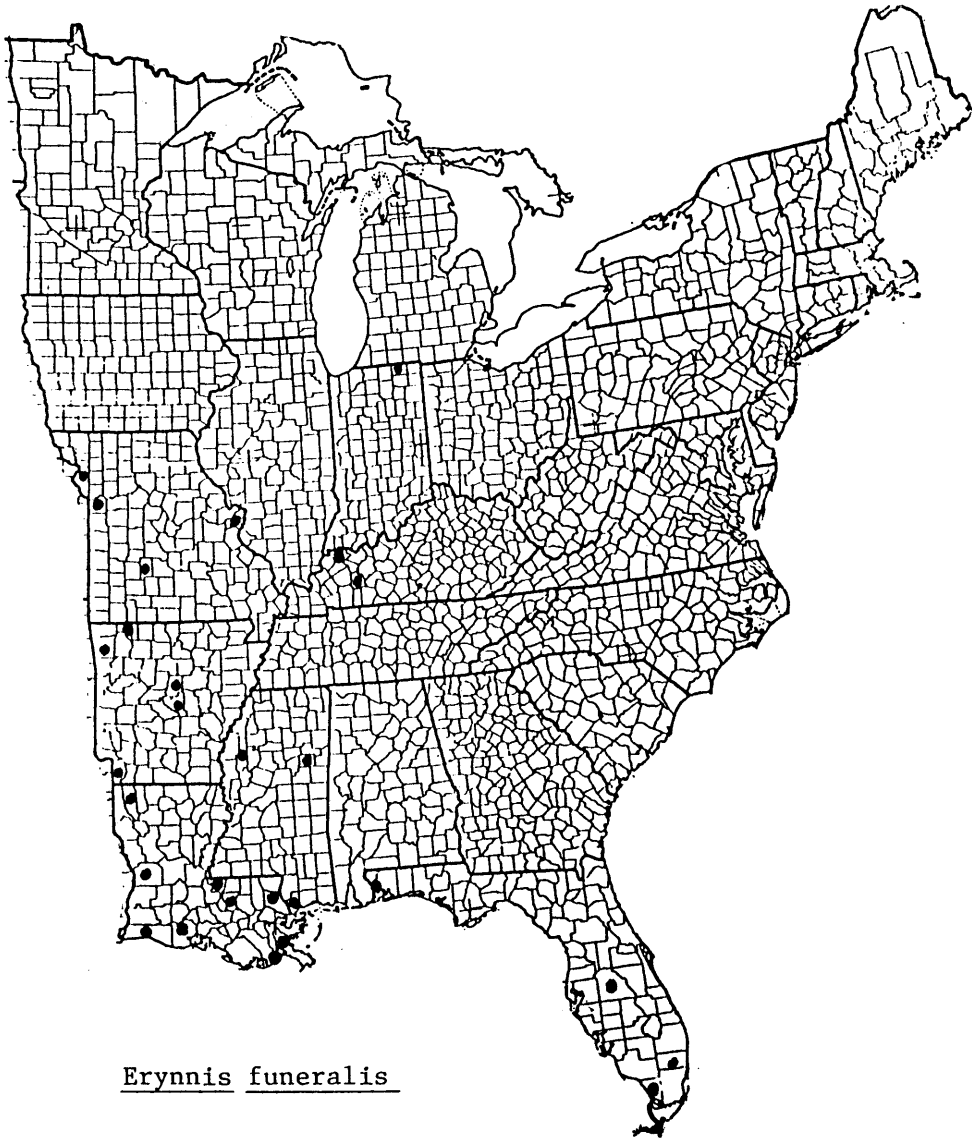


Erynnis juvenalis

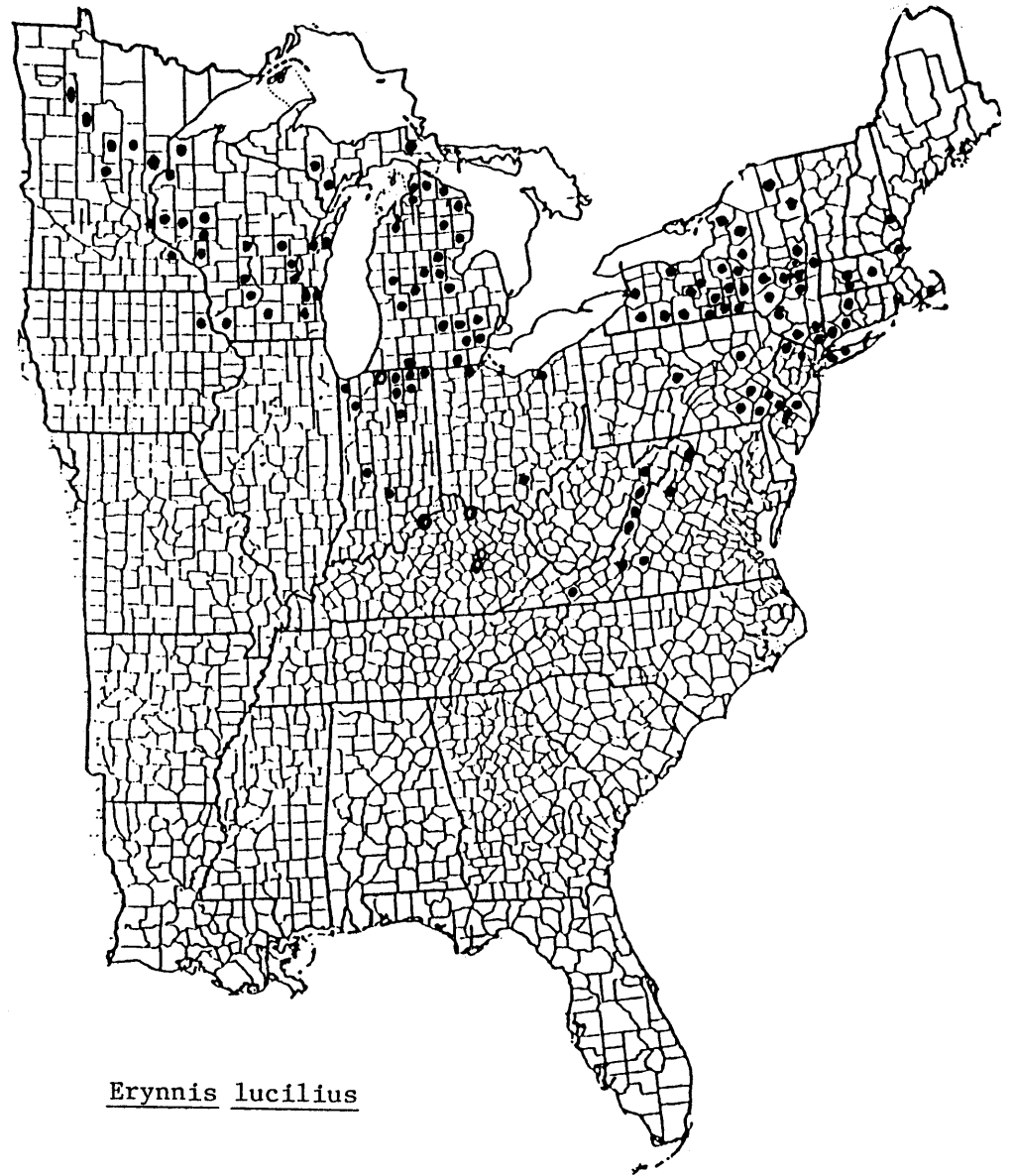


Erynnis horatius

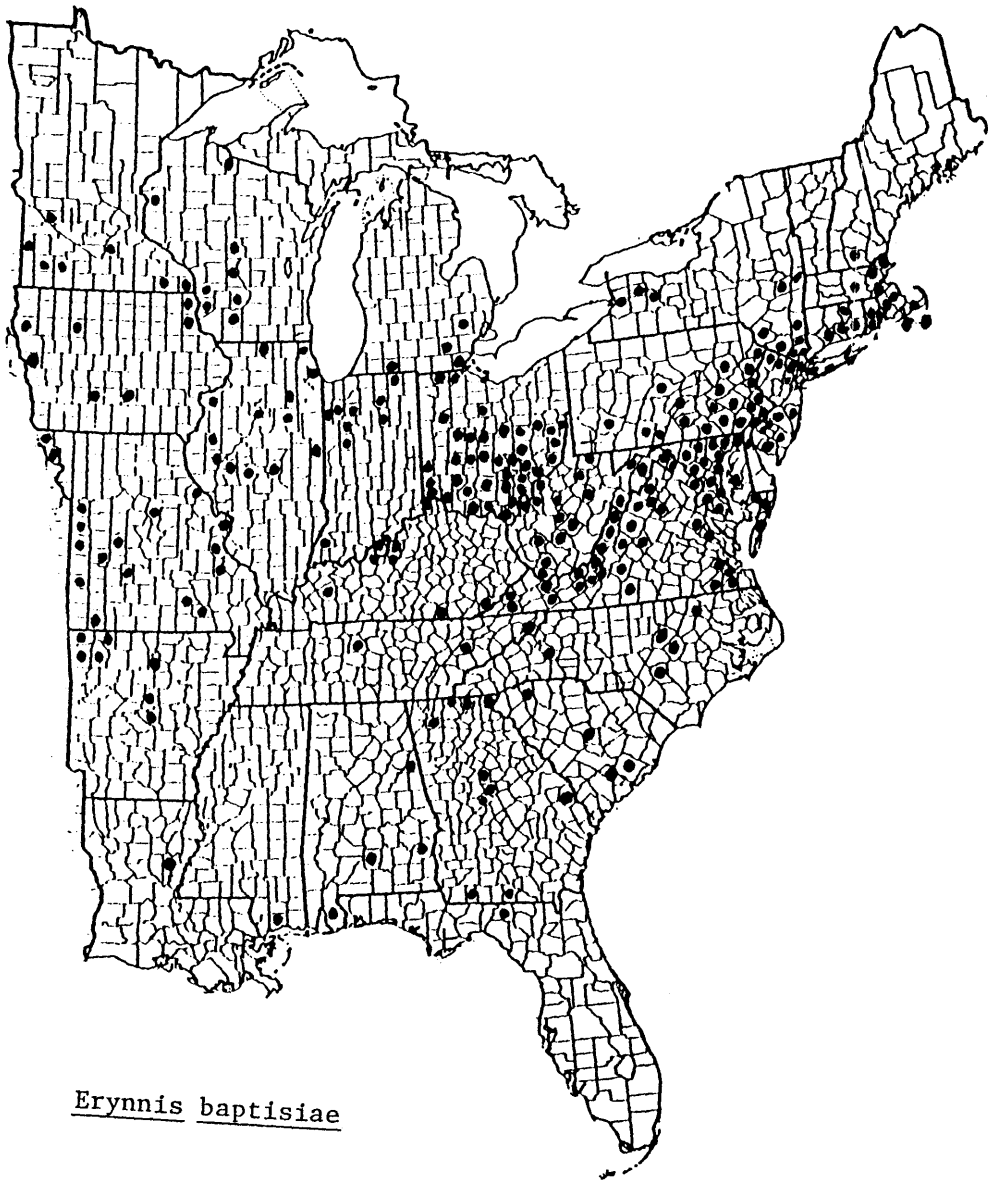




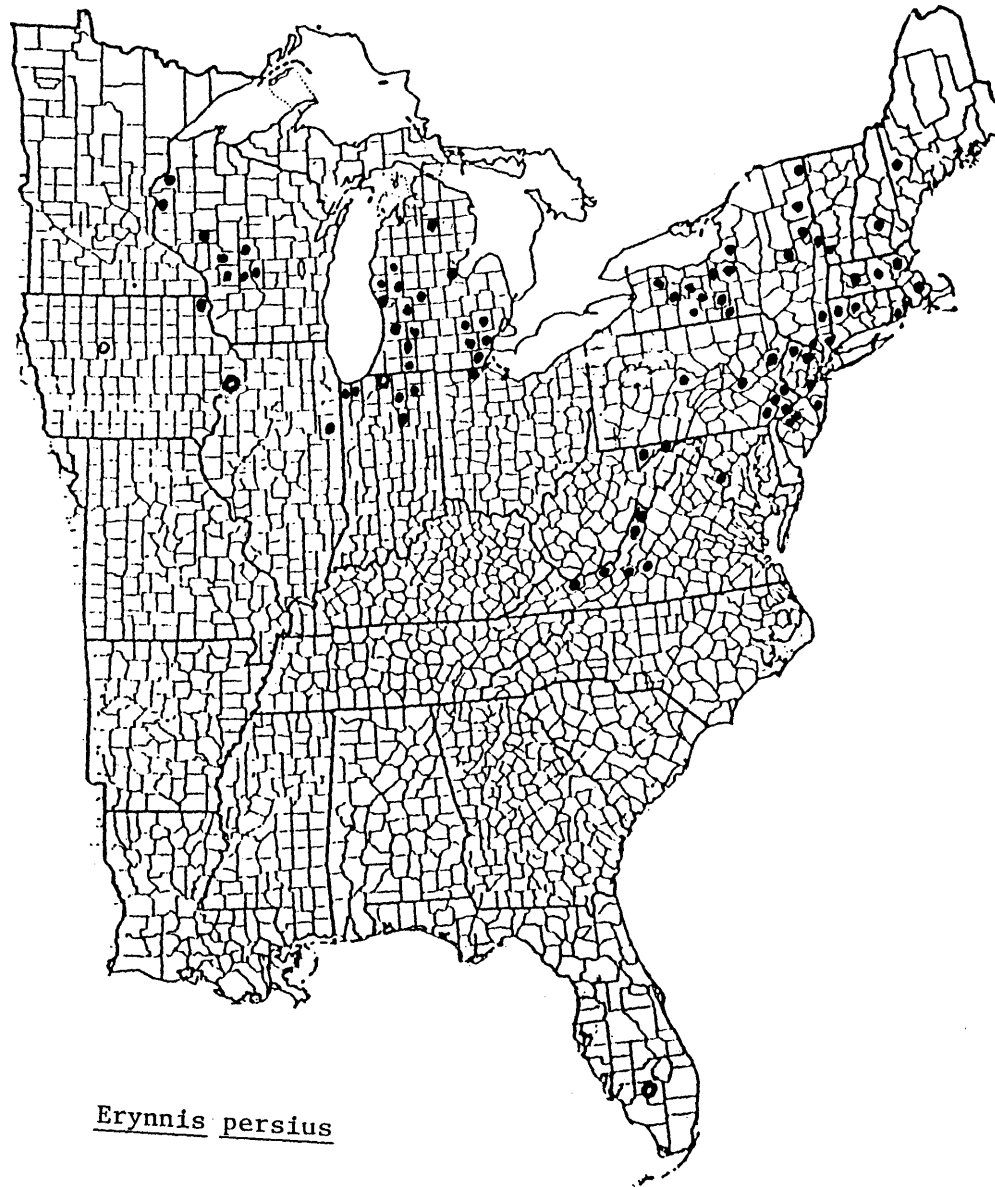
Erynnis funeralis



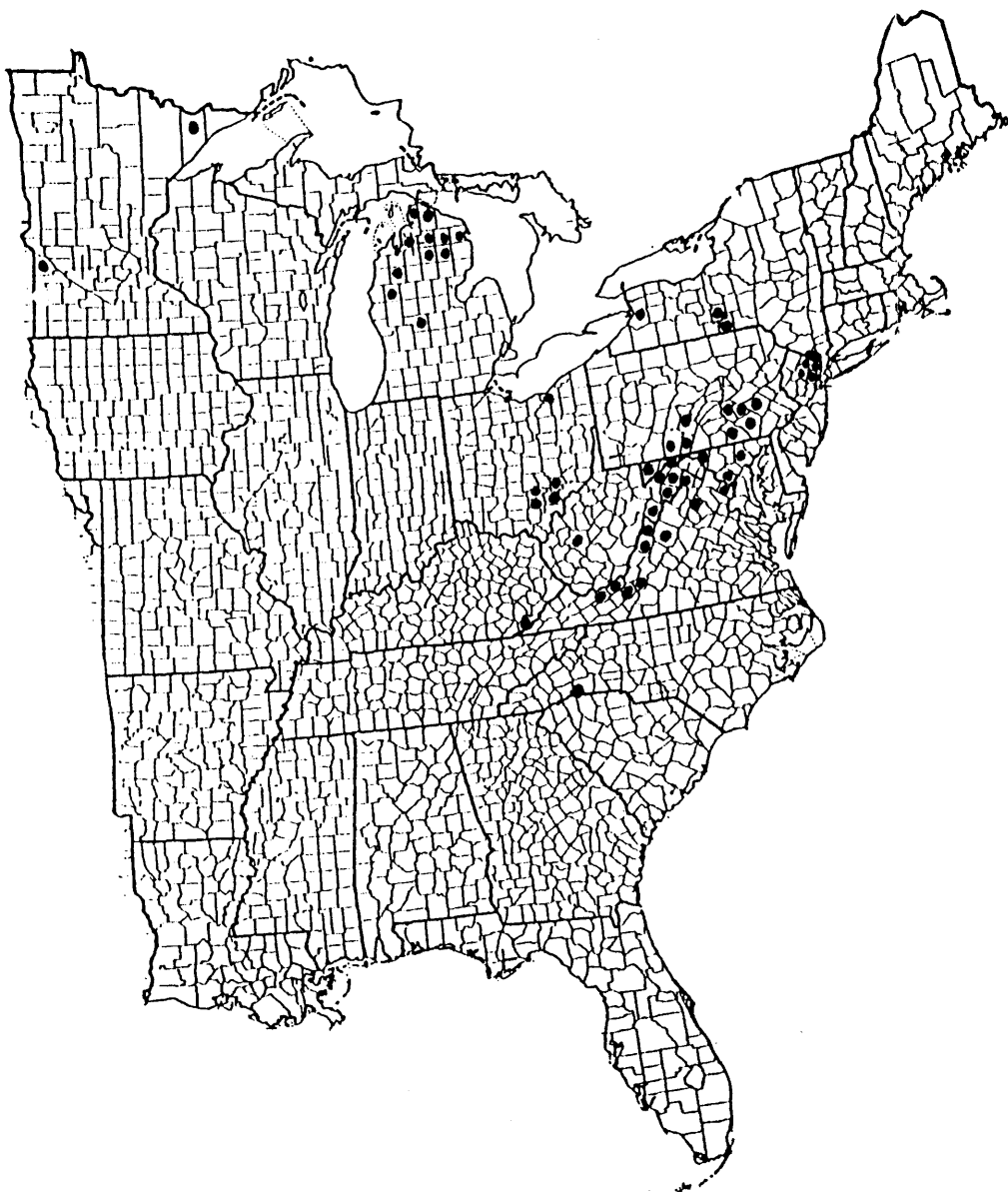
Erynnis lucilius



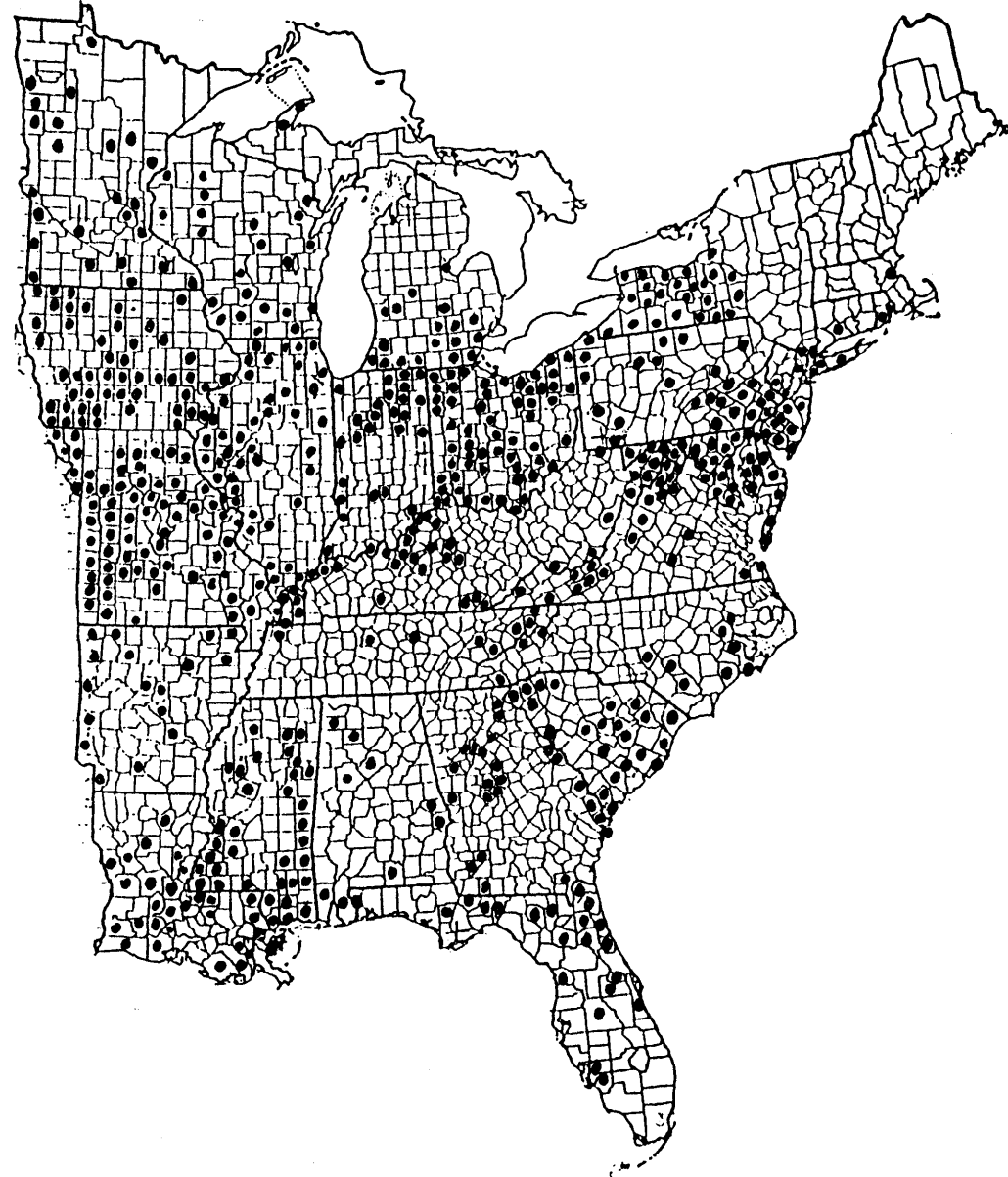
Erynnis baptisiae



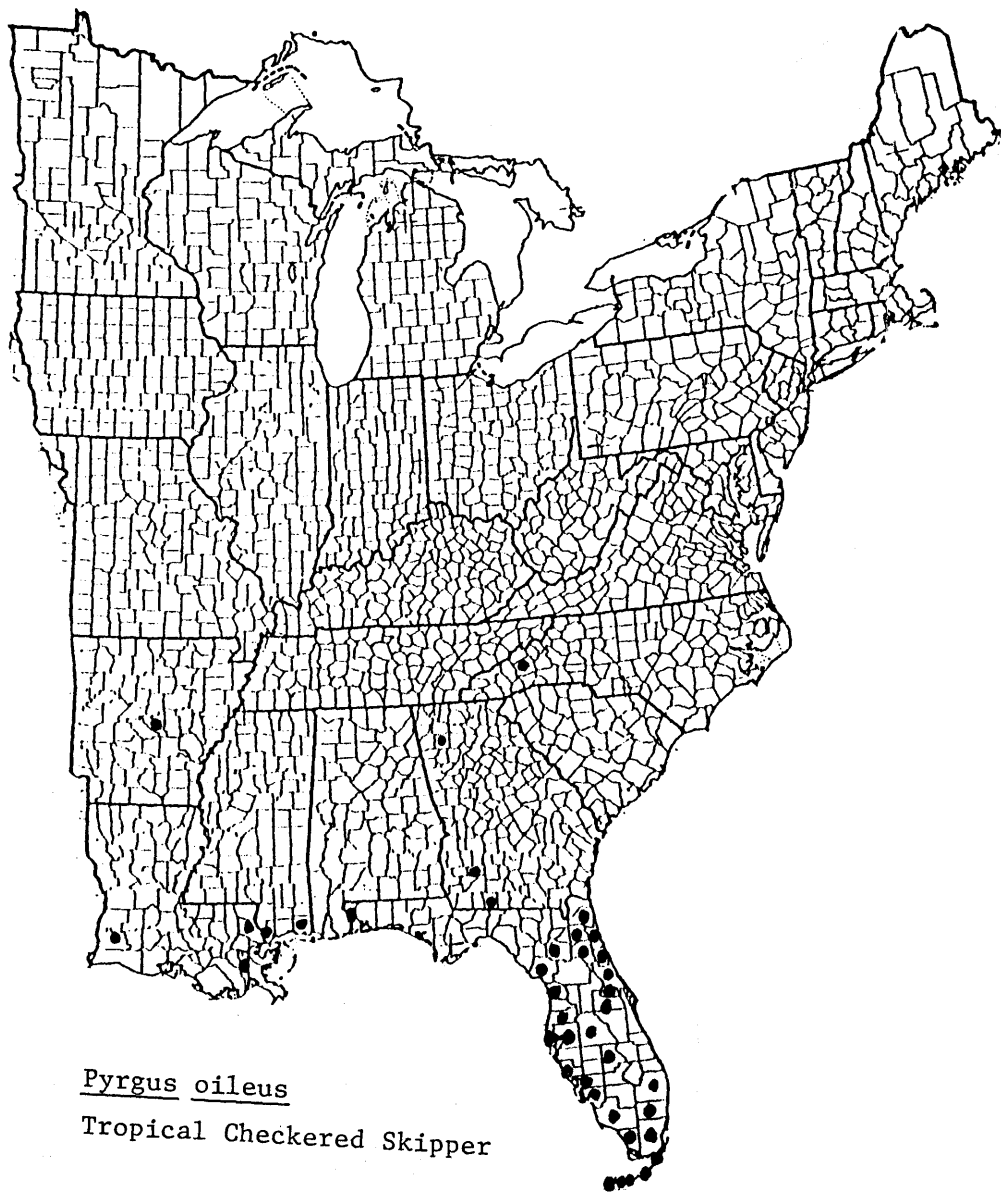
Erynnis persius

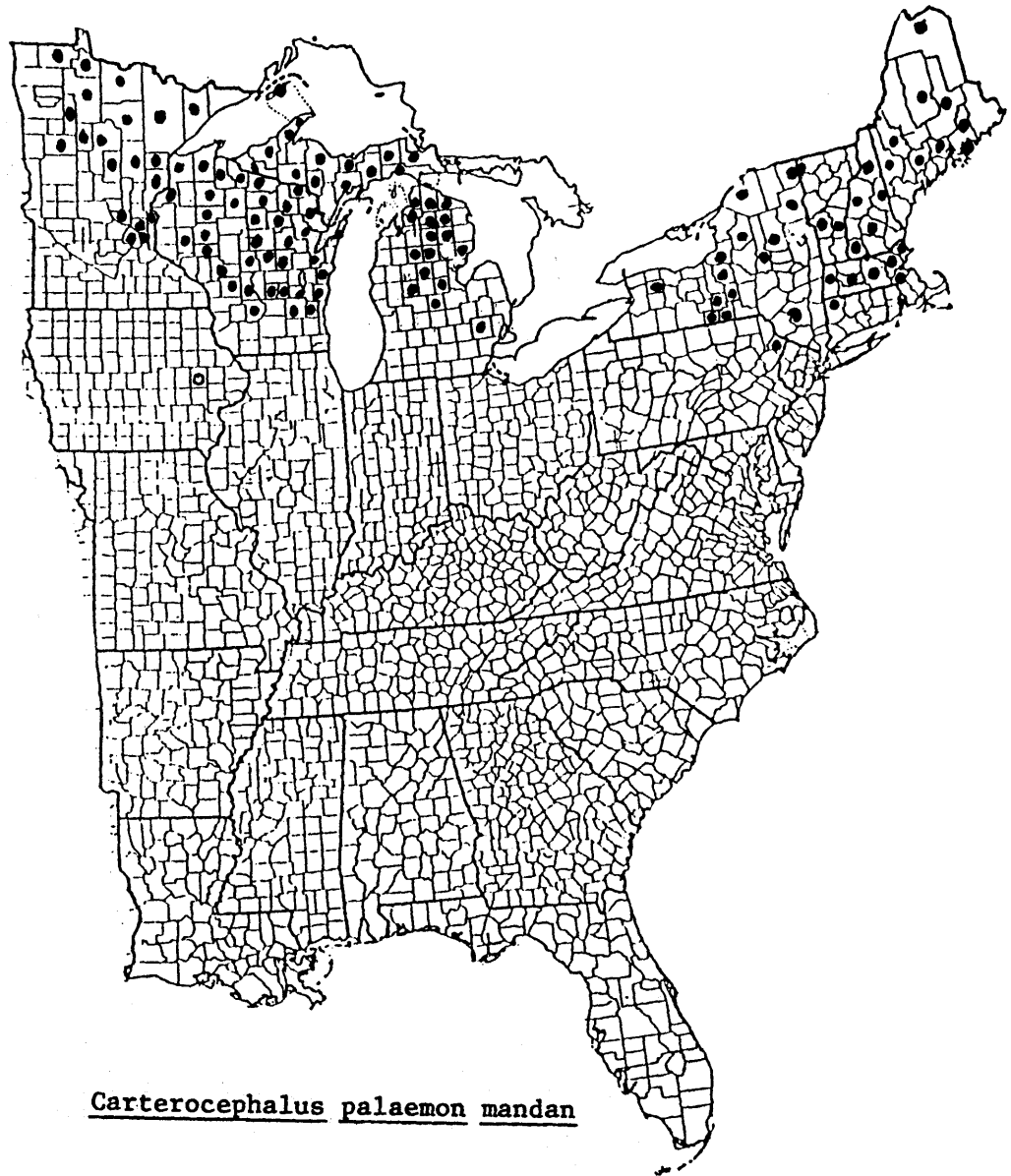
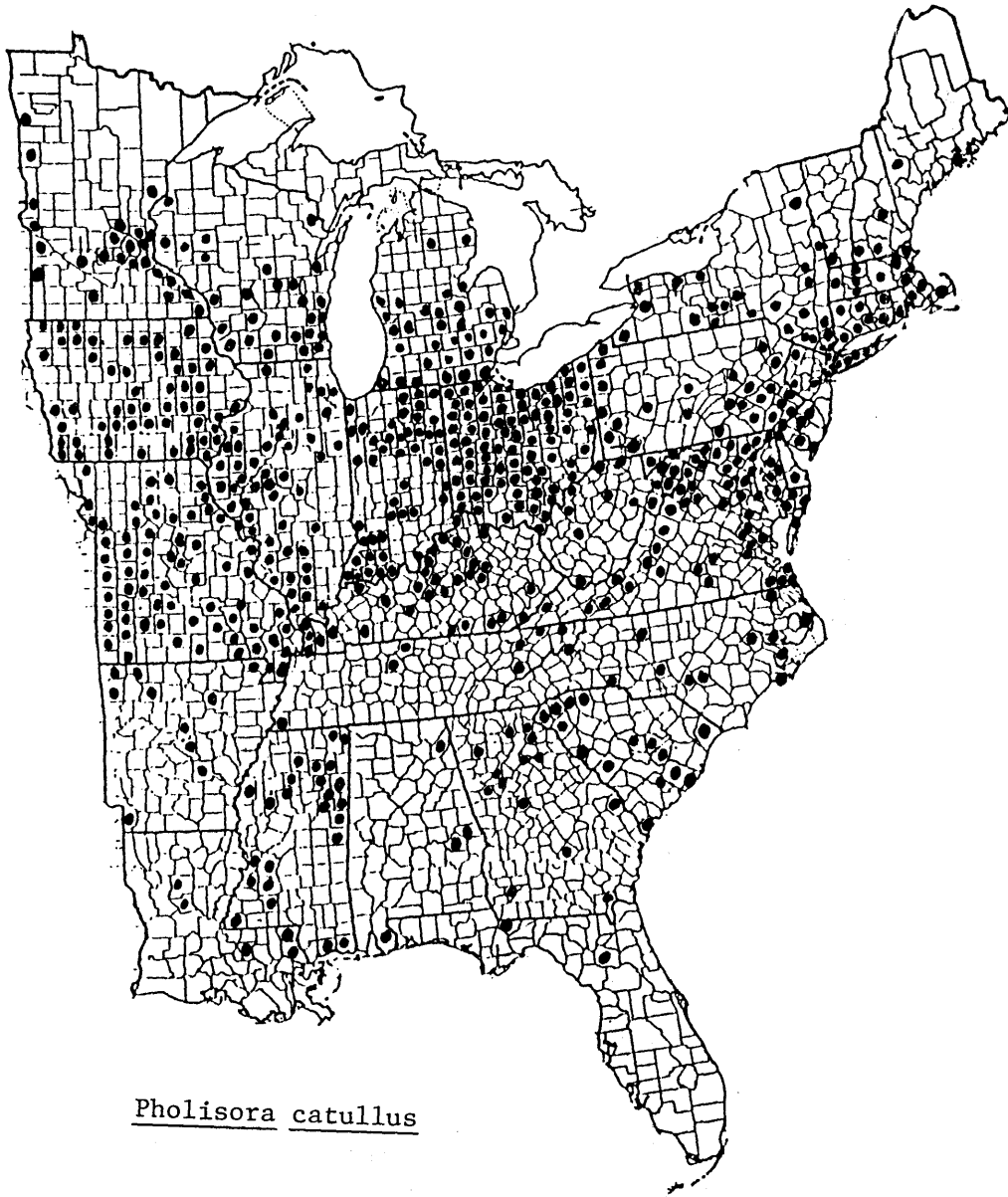


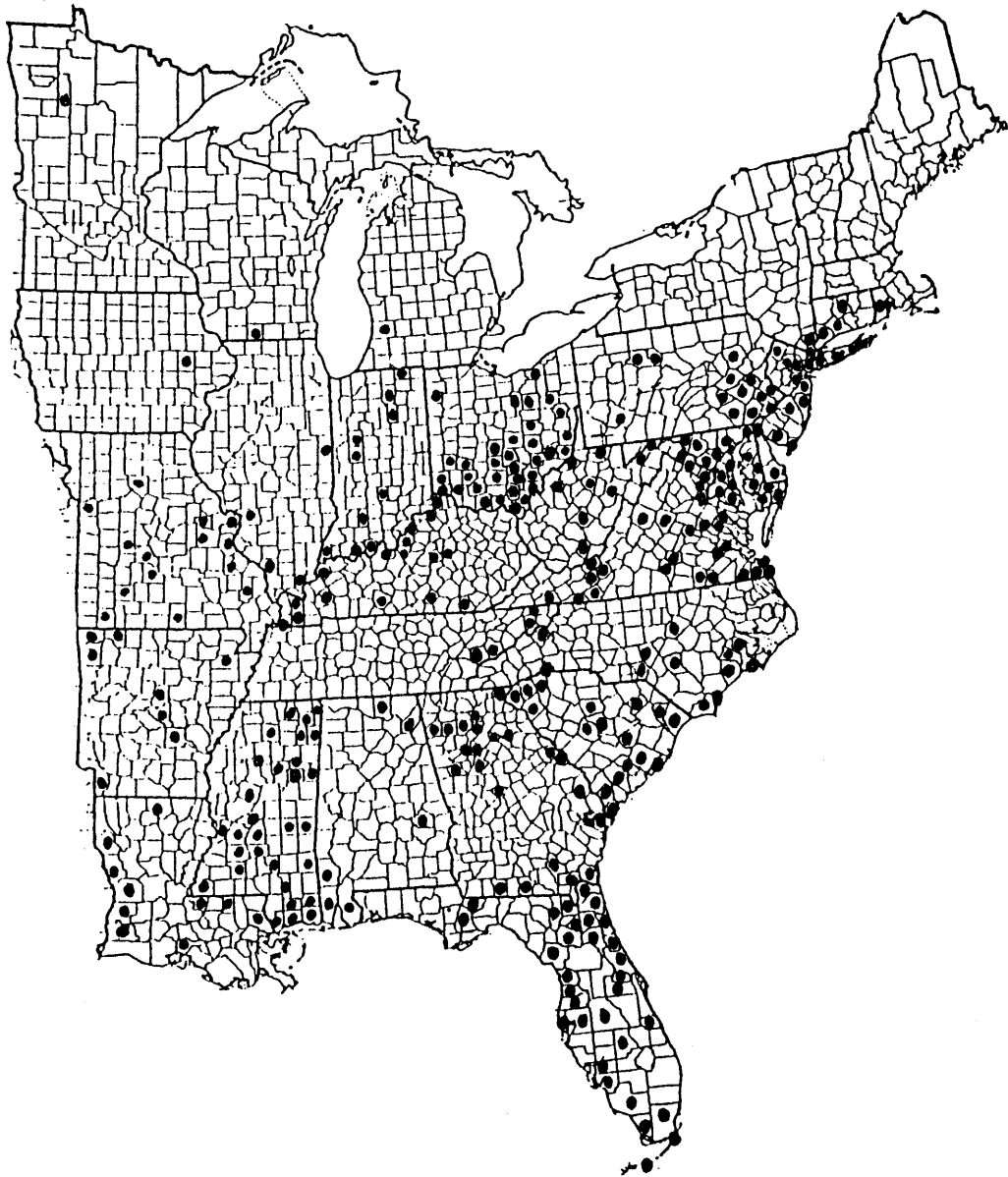
Pyrgus centaureae wyandot
Grizzled Skipper



Pyrgus communis
Checkered Skipper







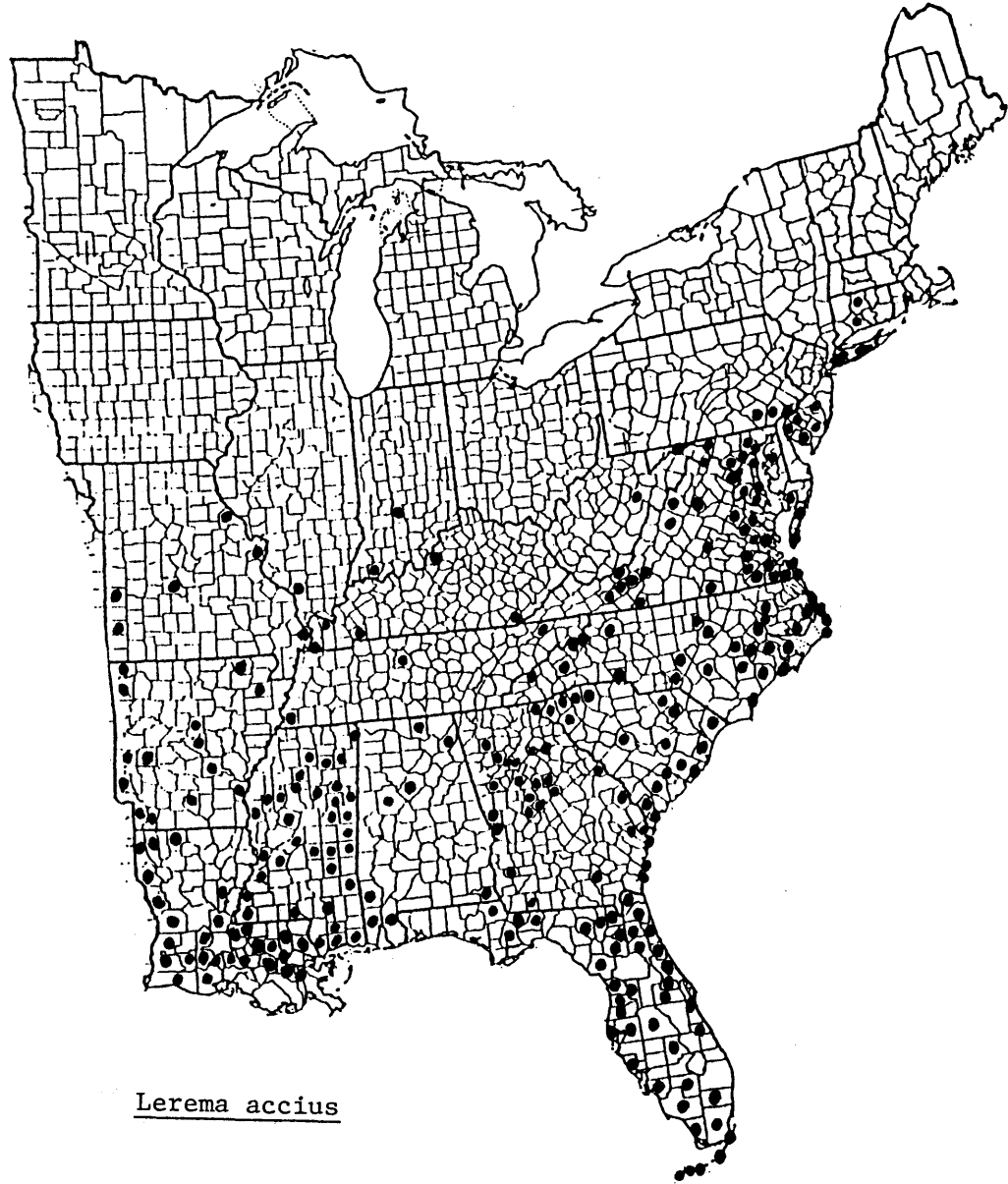
Nastra lherminier



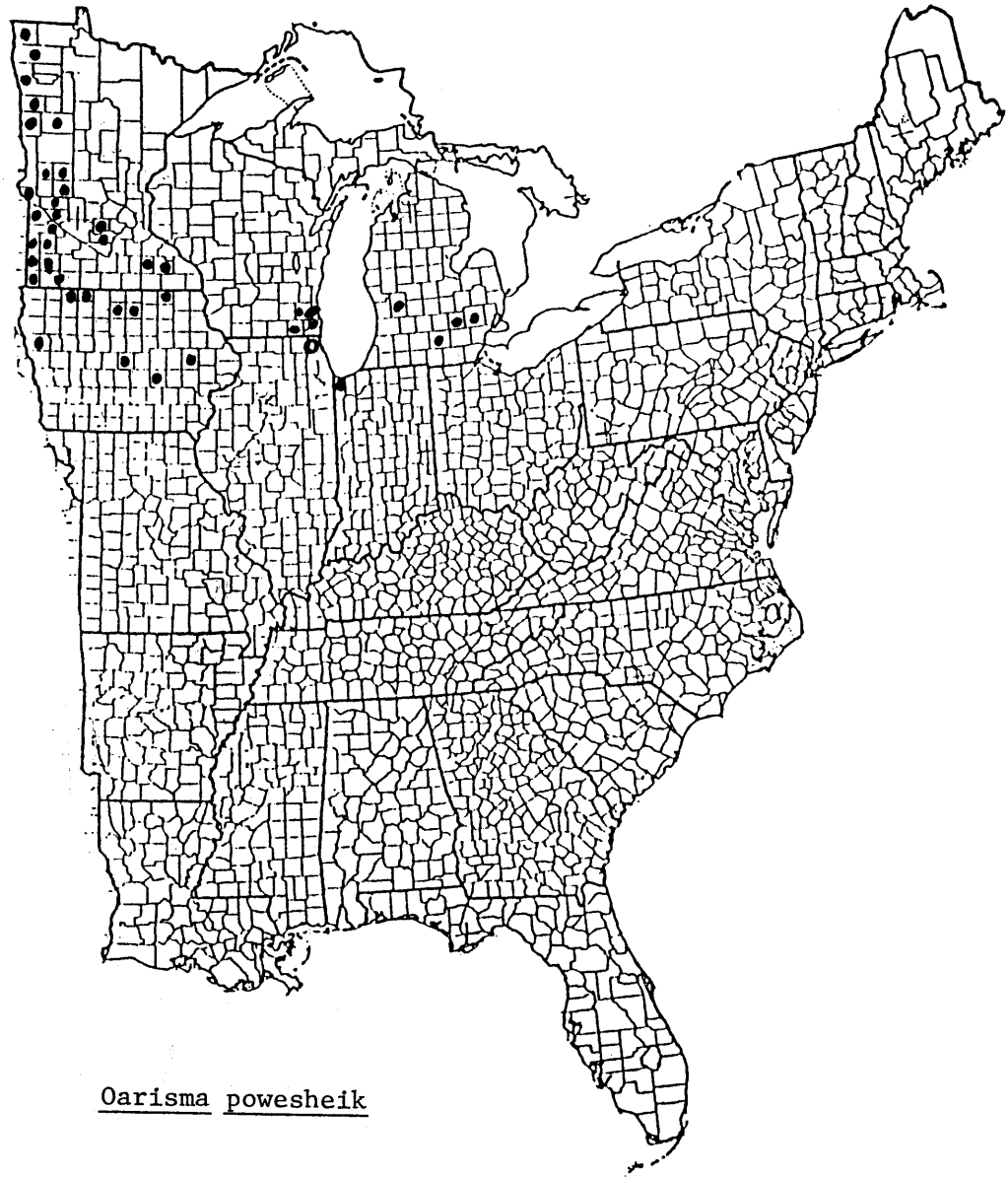
Nastra neamathla



Cymaenes tripunctis

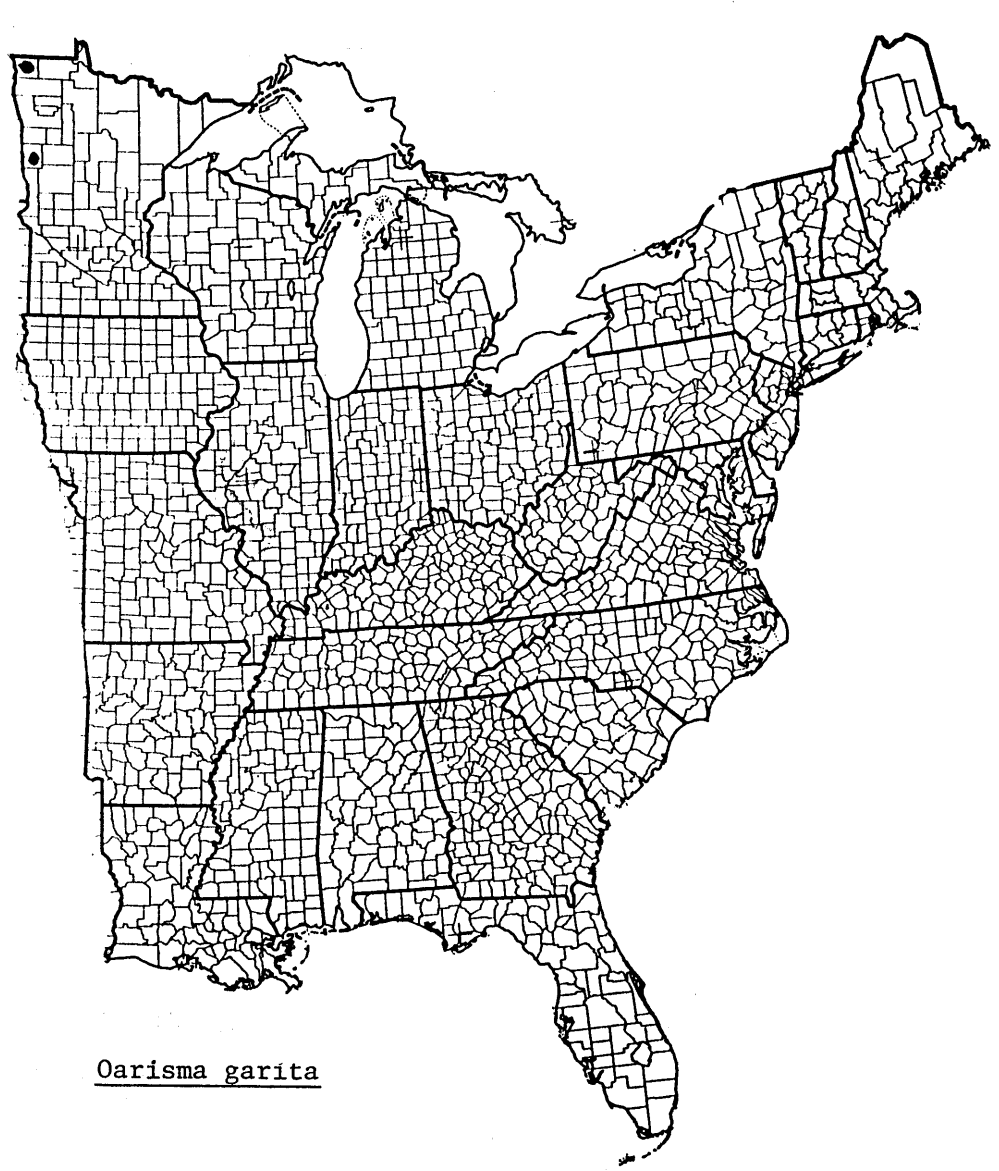


Lerema accius





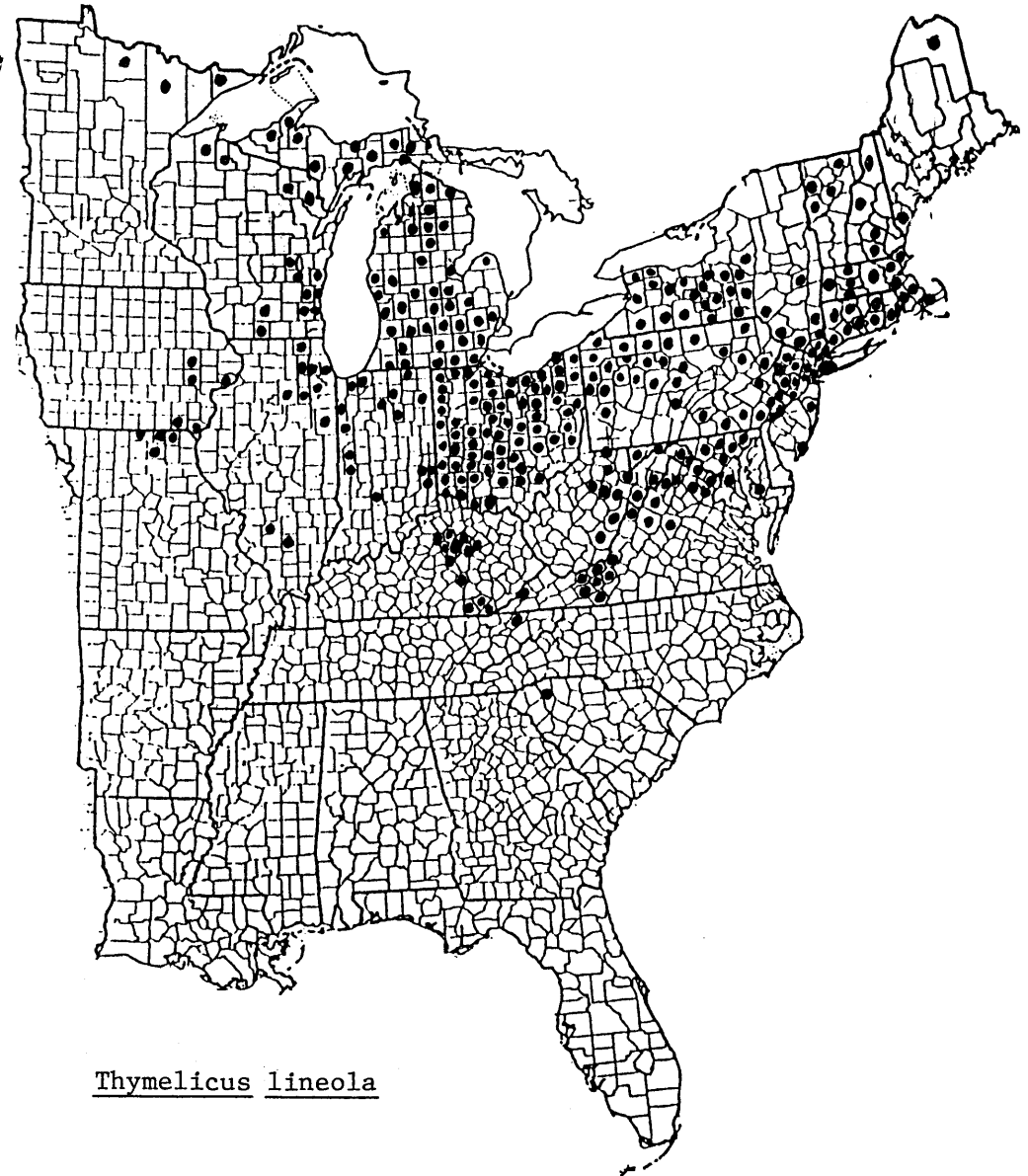
Copaeodes aurantiaca



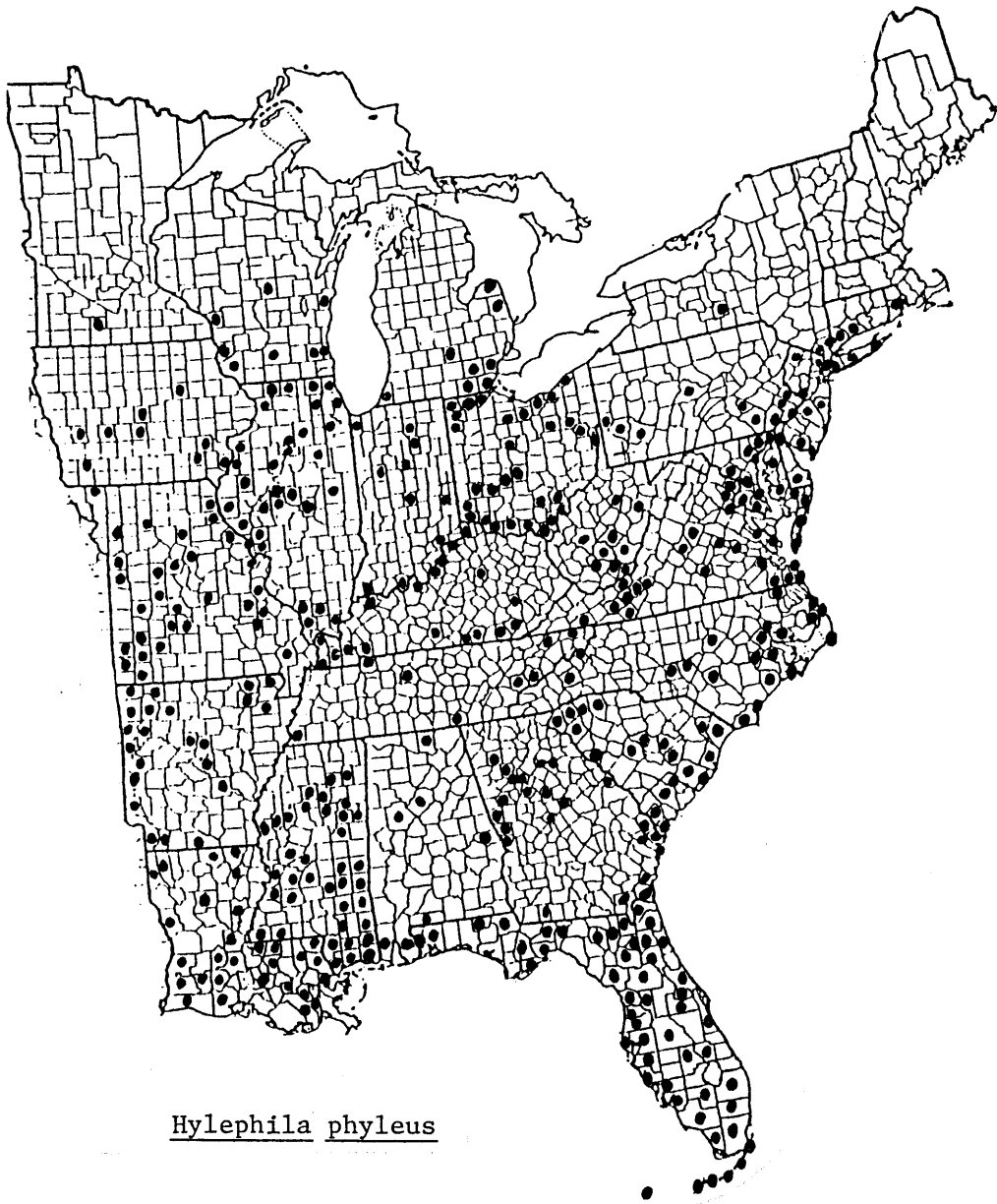
Oarisma garita



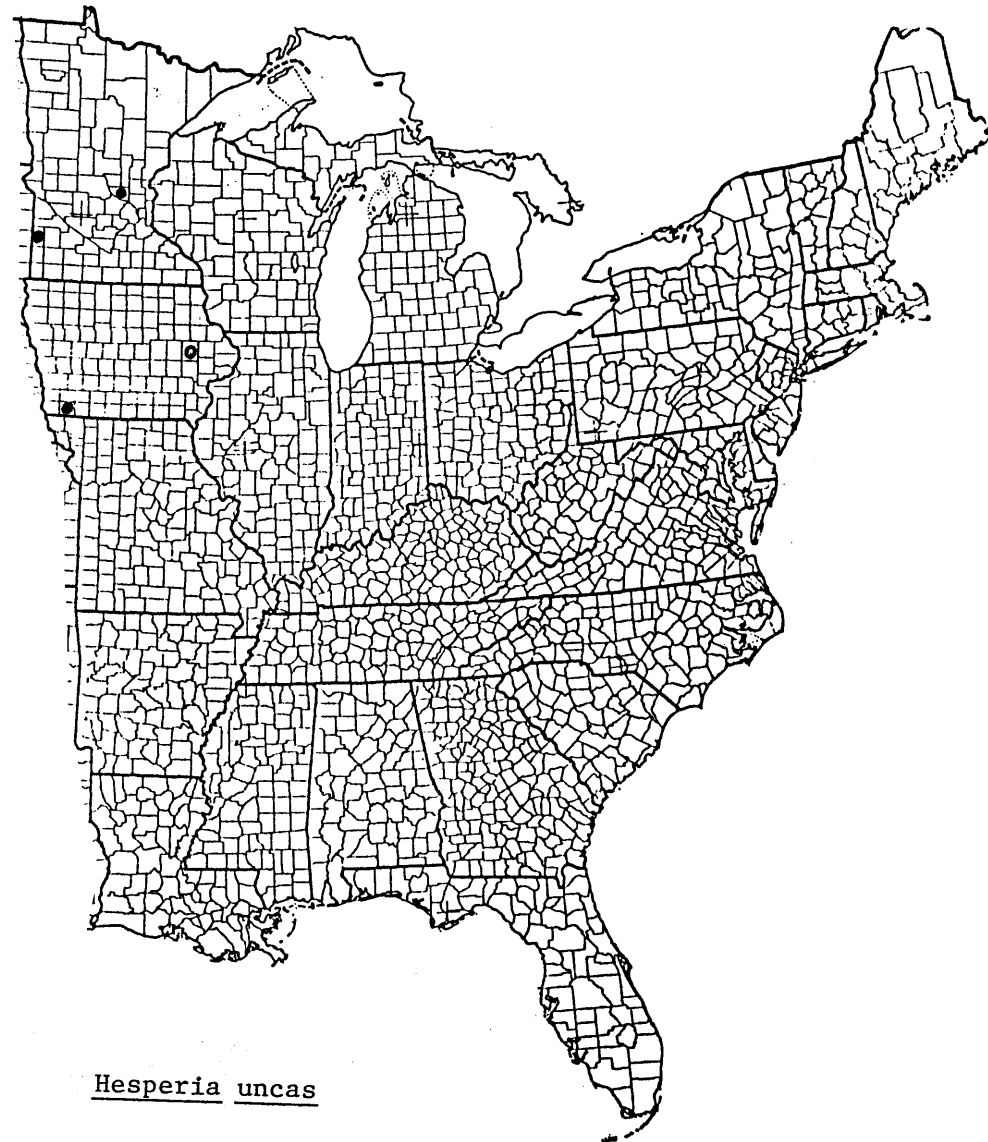
Copaeodes minima



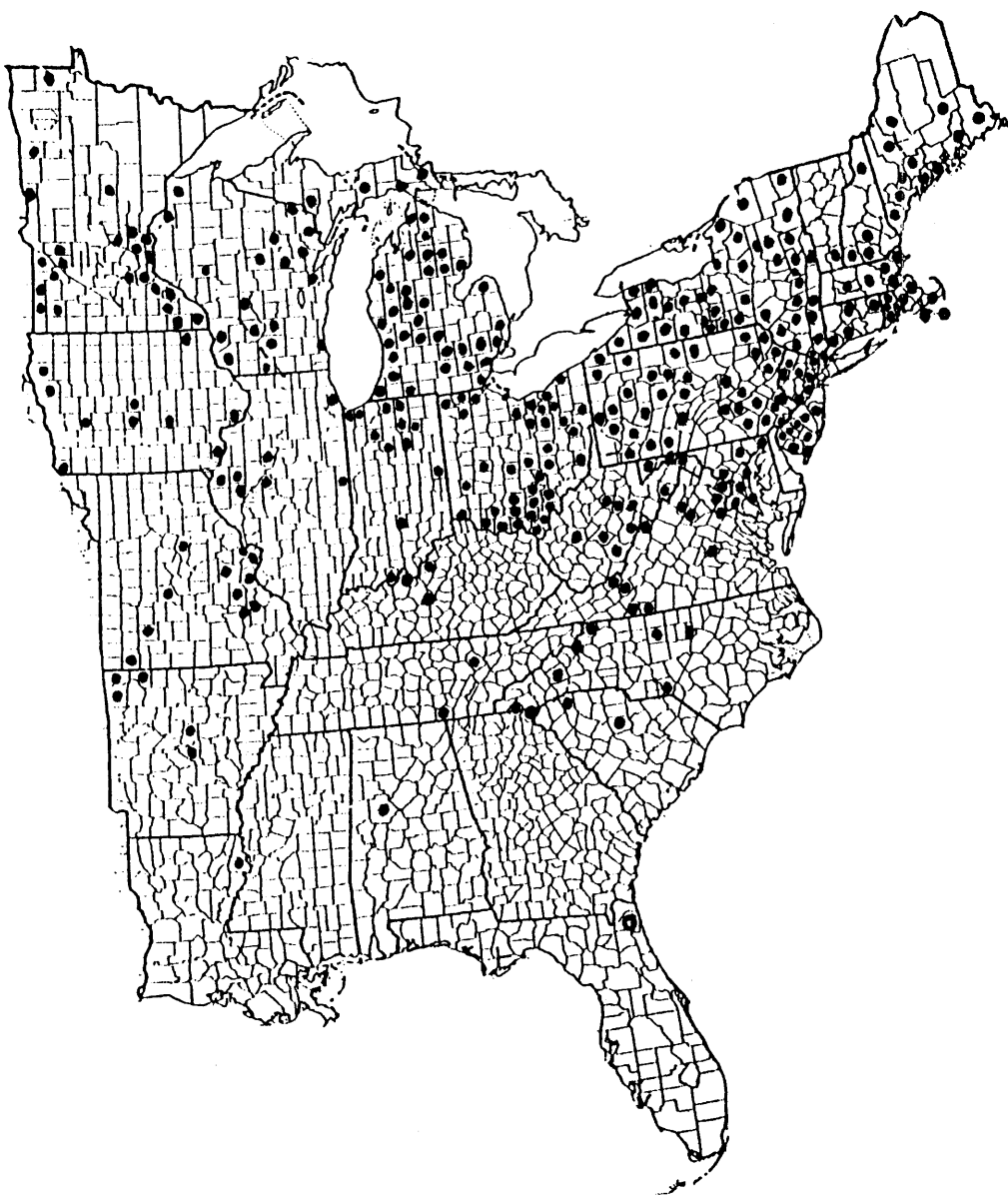
Thymelicus lineola



Hylephila phyleus

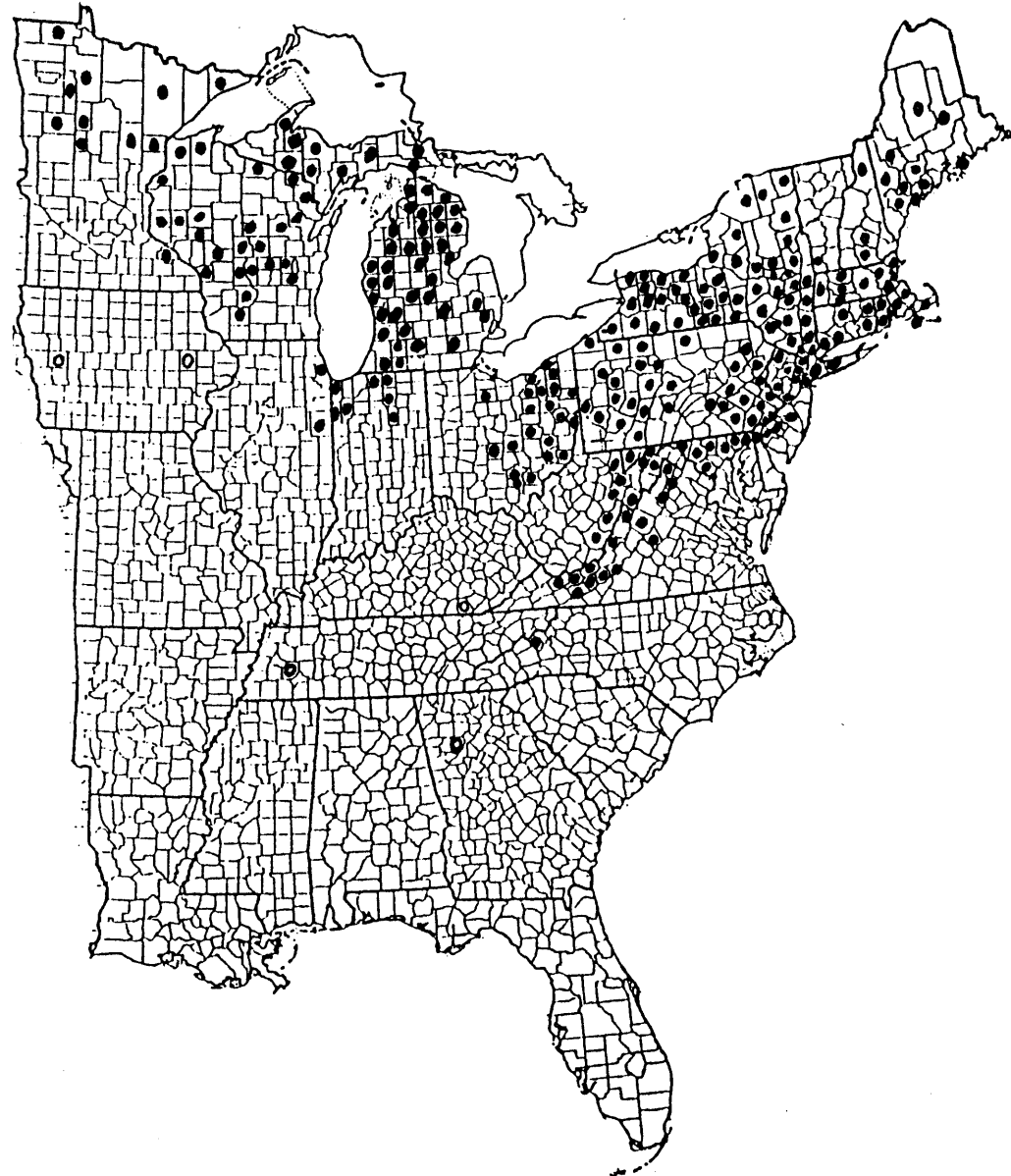


Hesperia uncas



Hesperia leonardus

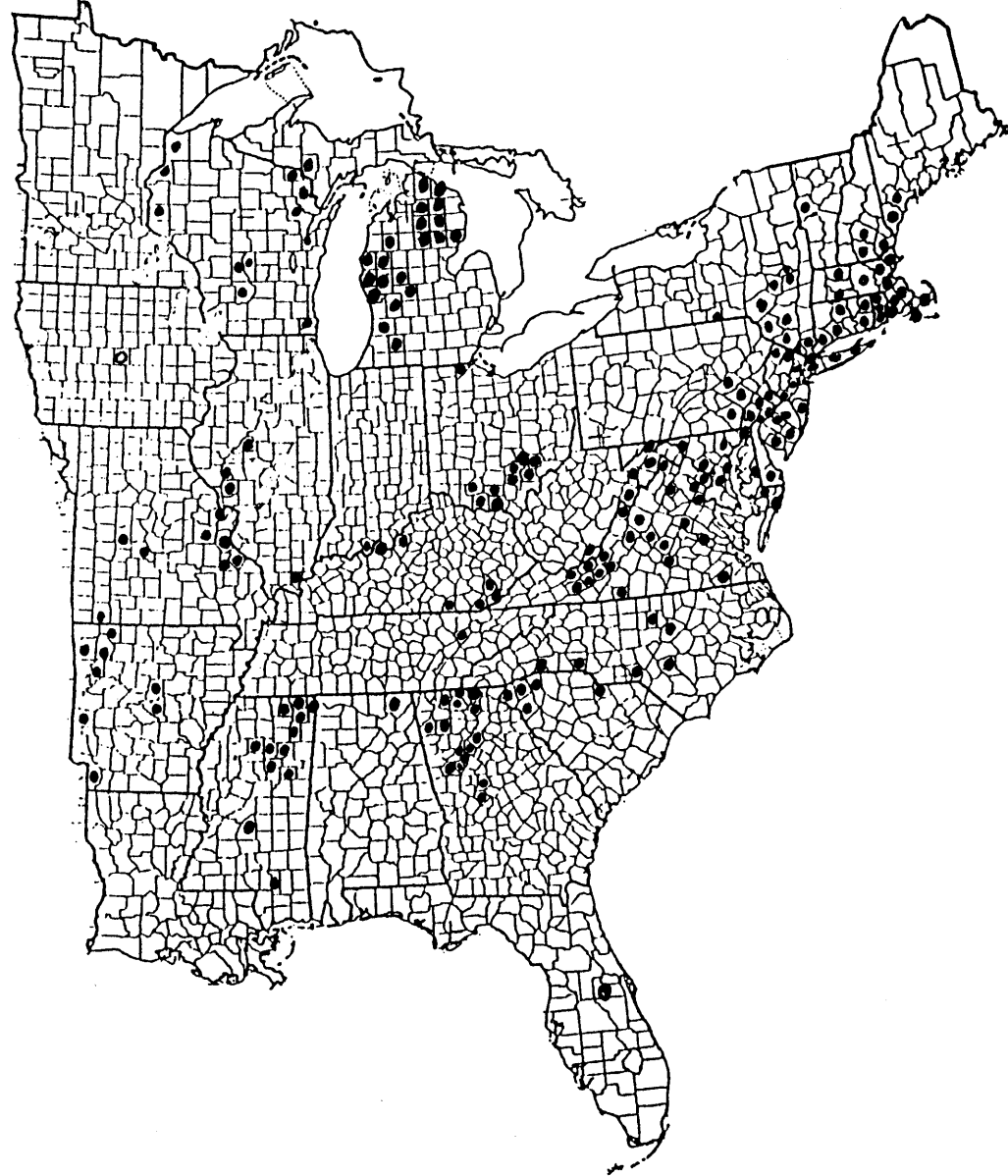
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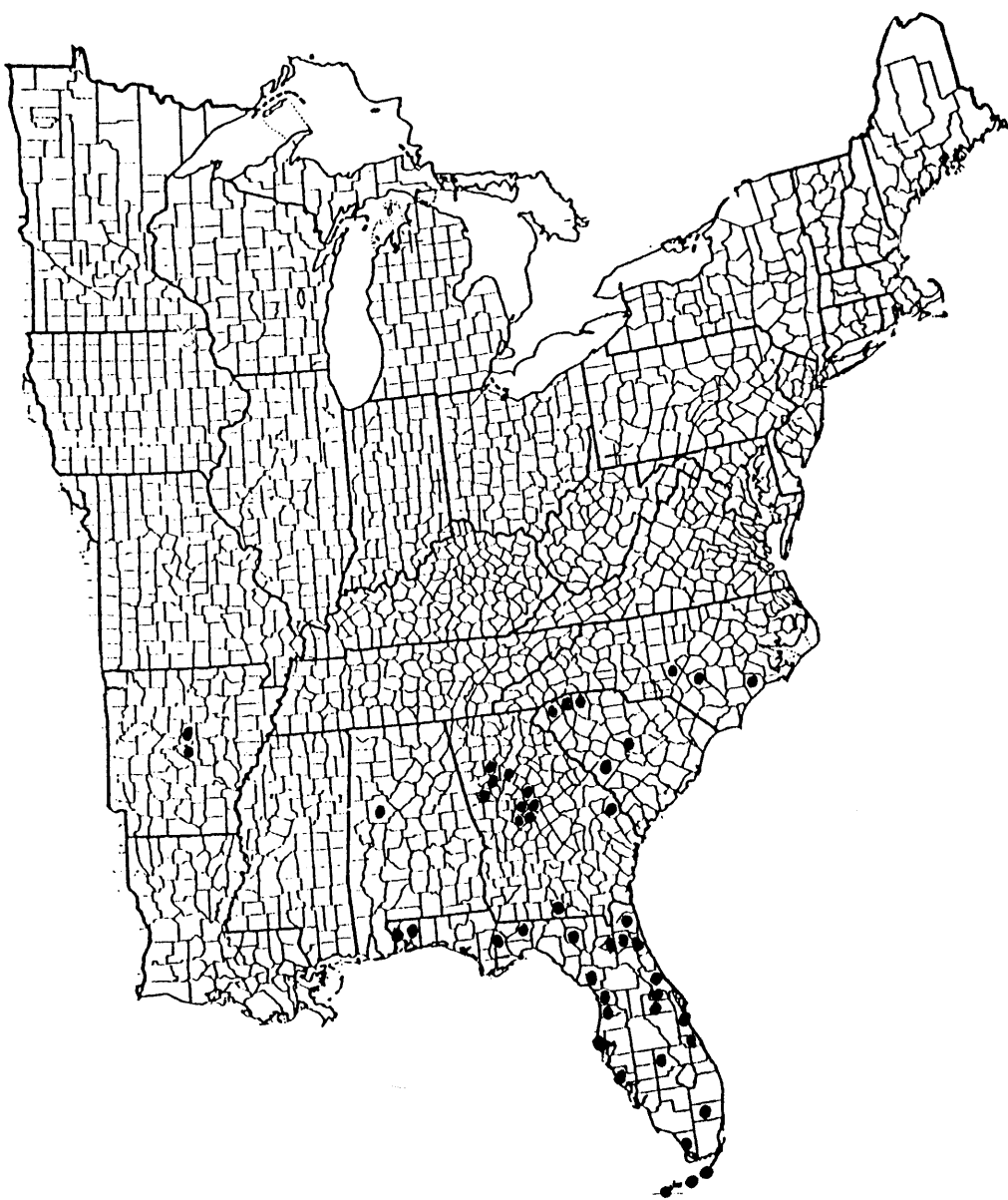
Hesperia sassacus



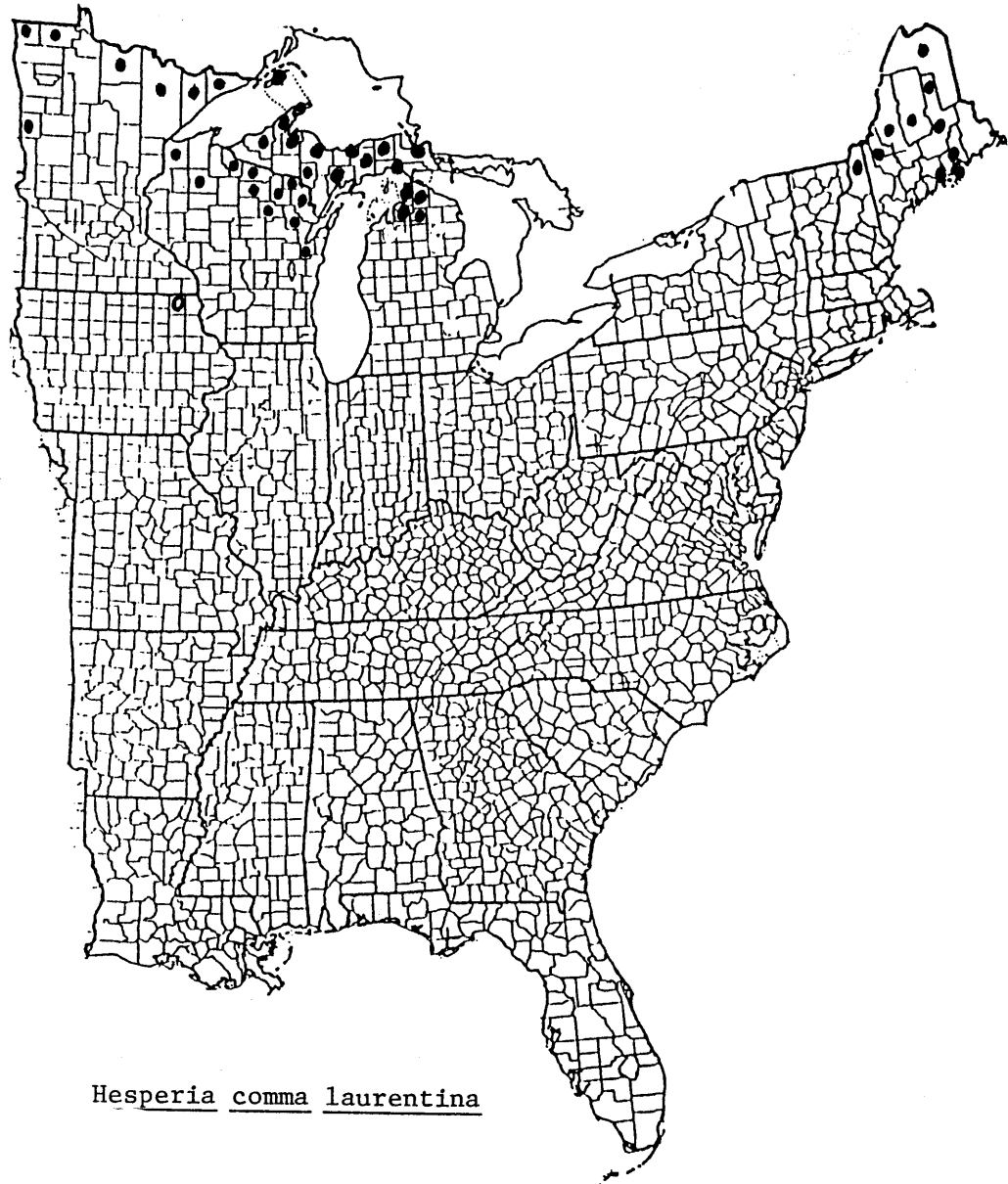
Hesperia ottoe



Hesperia metea



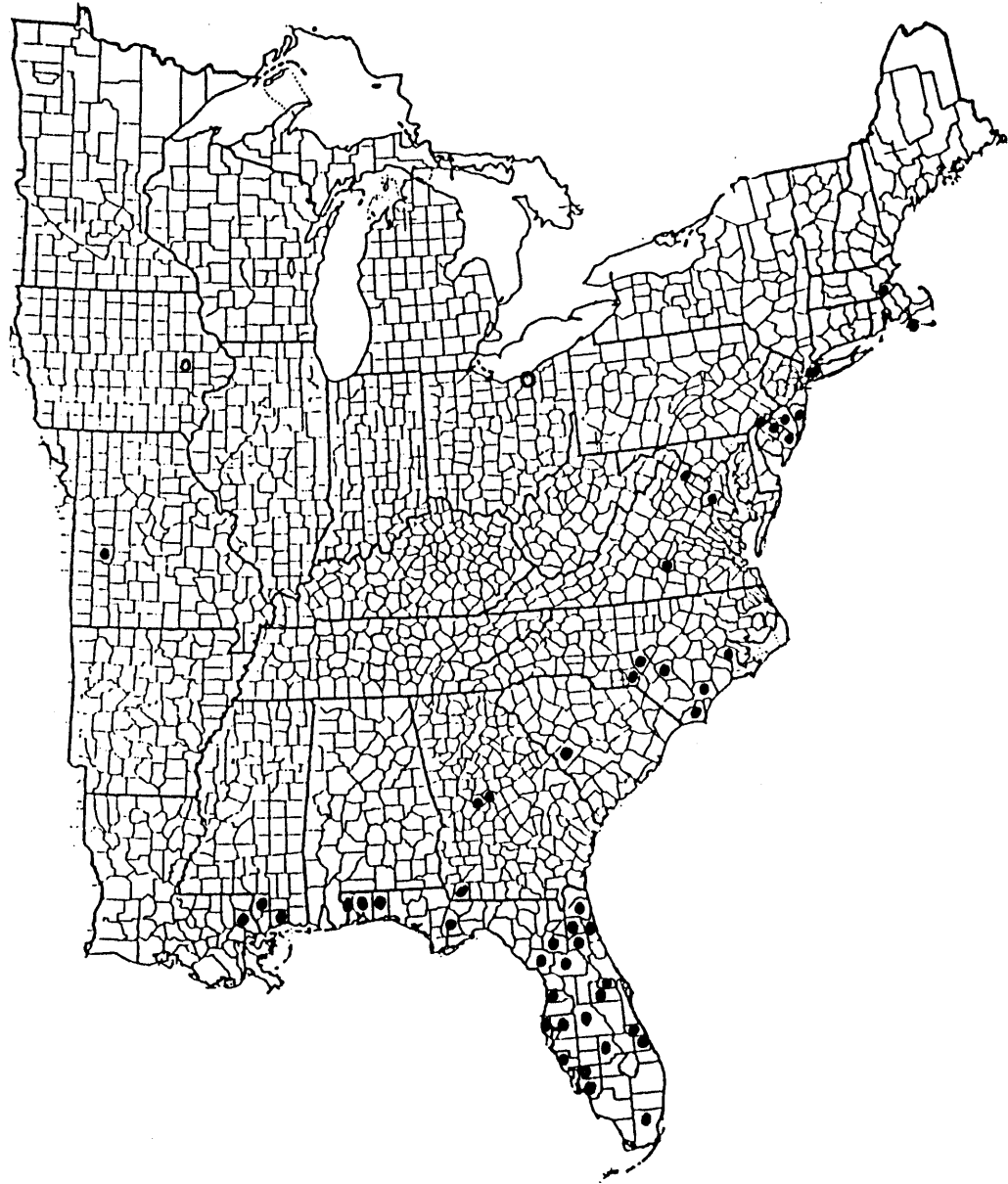
Hesperia meskei



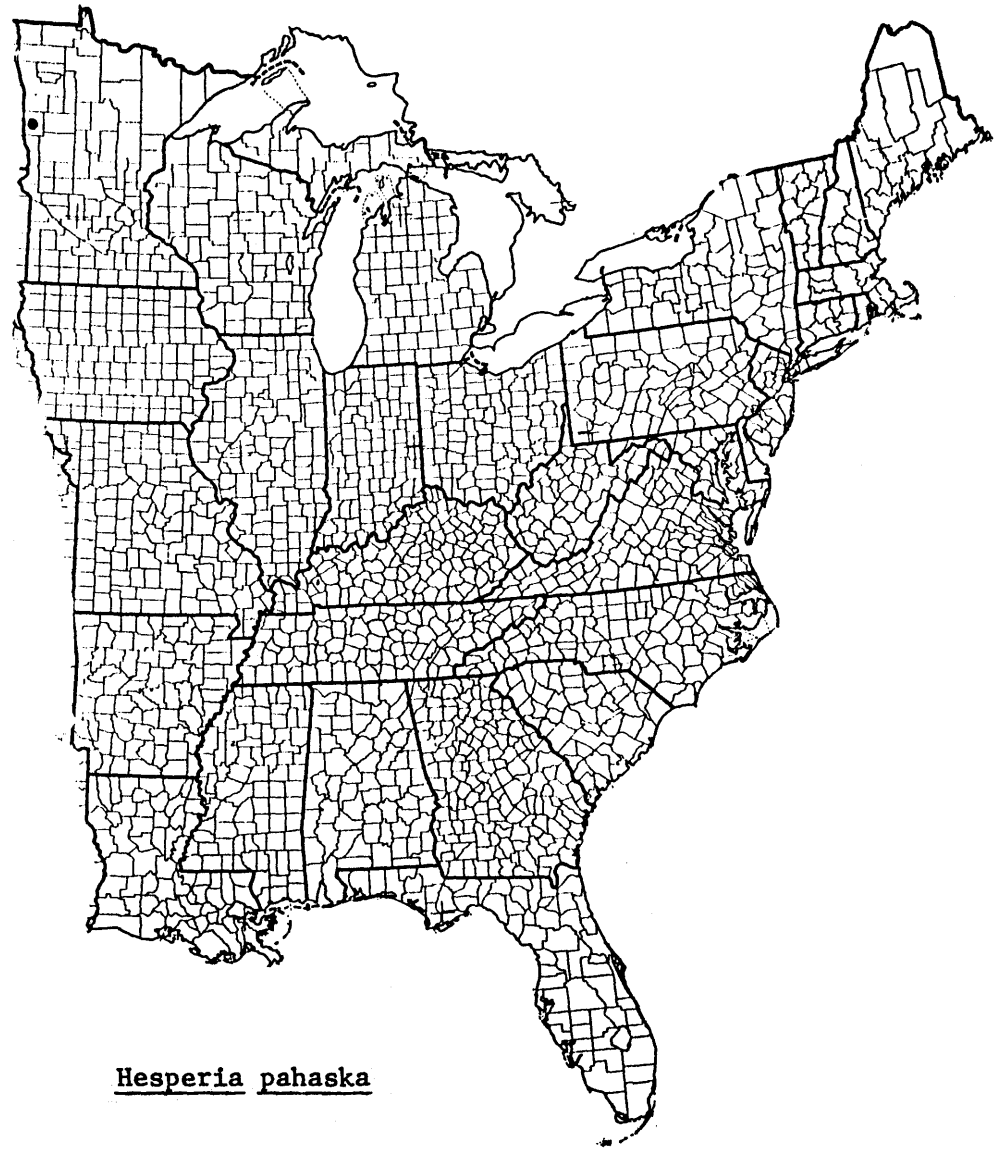
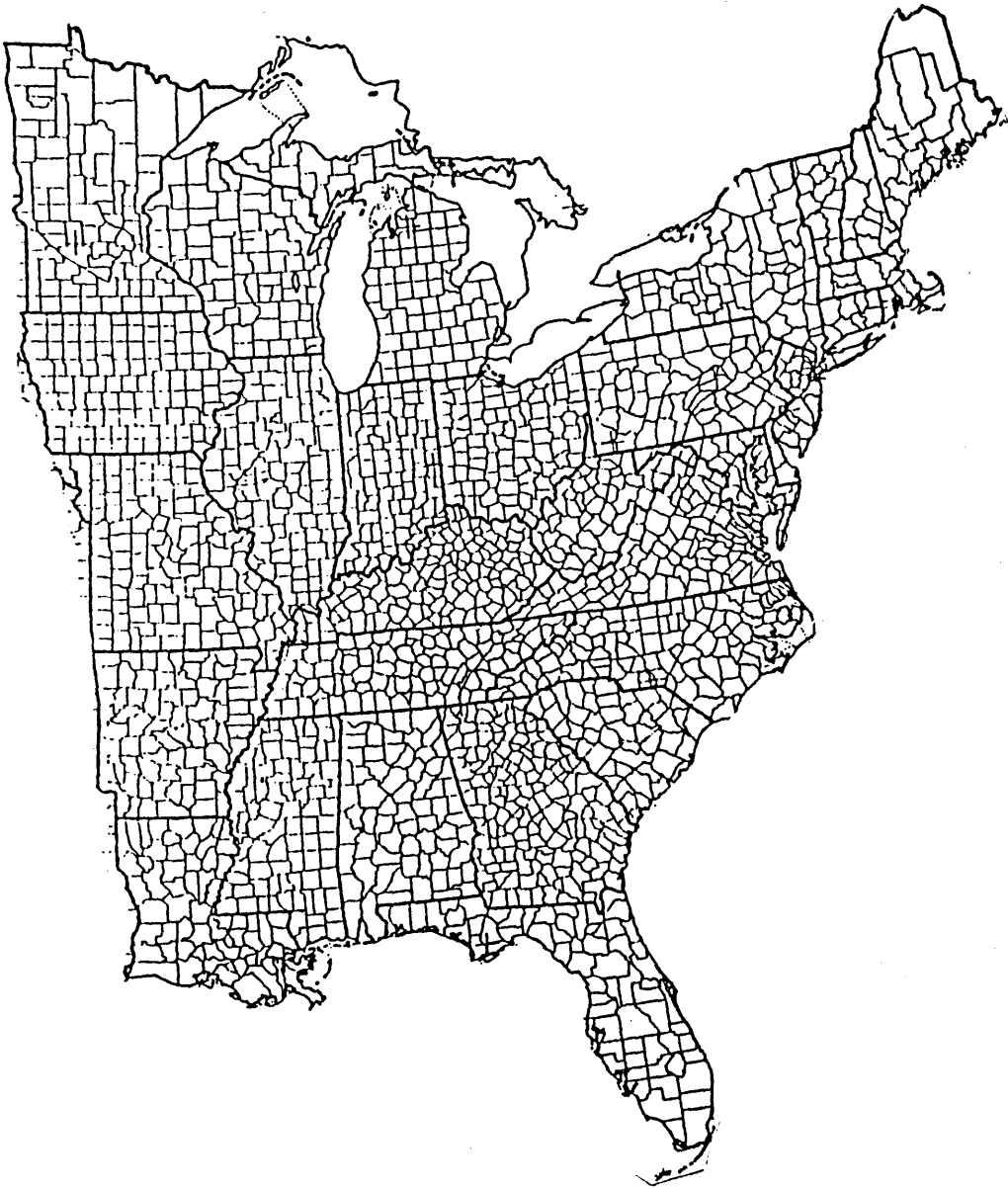
Hesperia comma laurentina



Hesperia dacotae



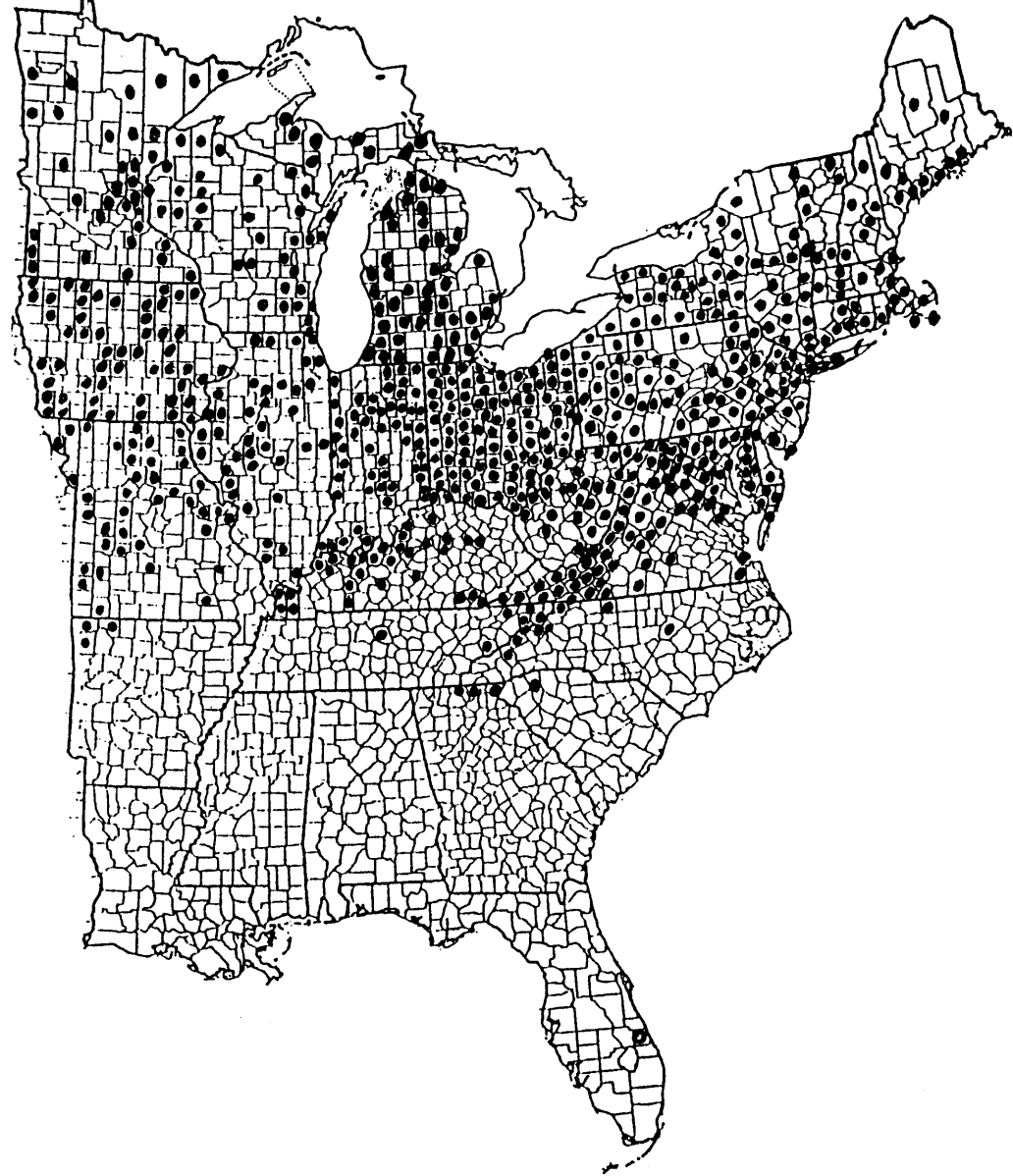
Hesperia attalus



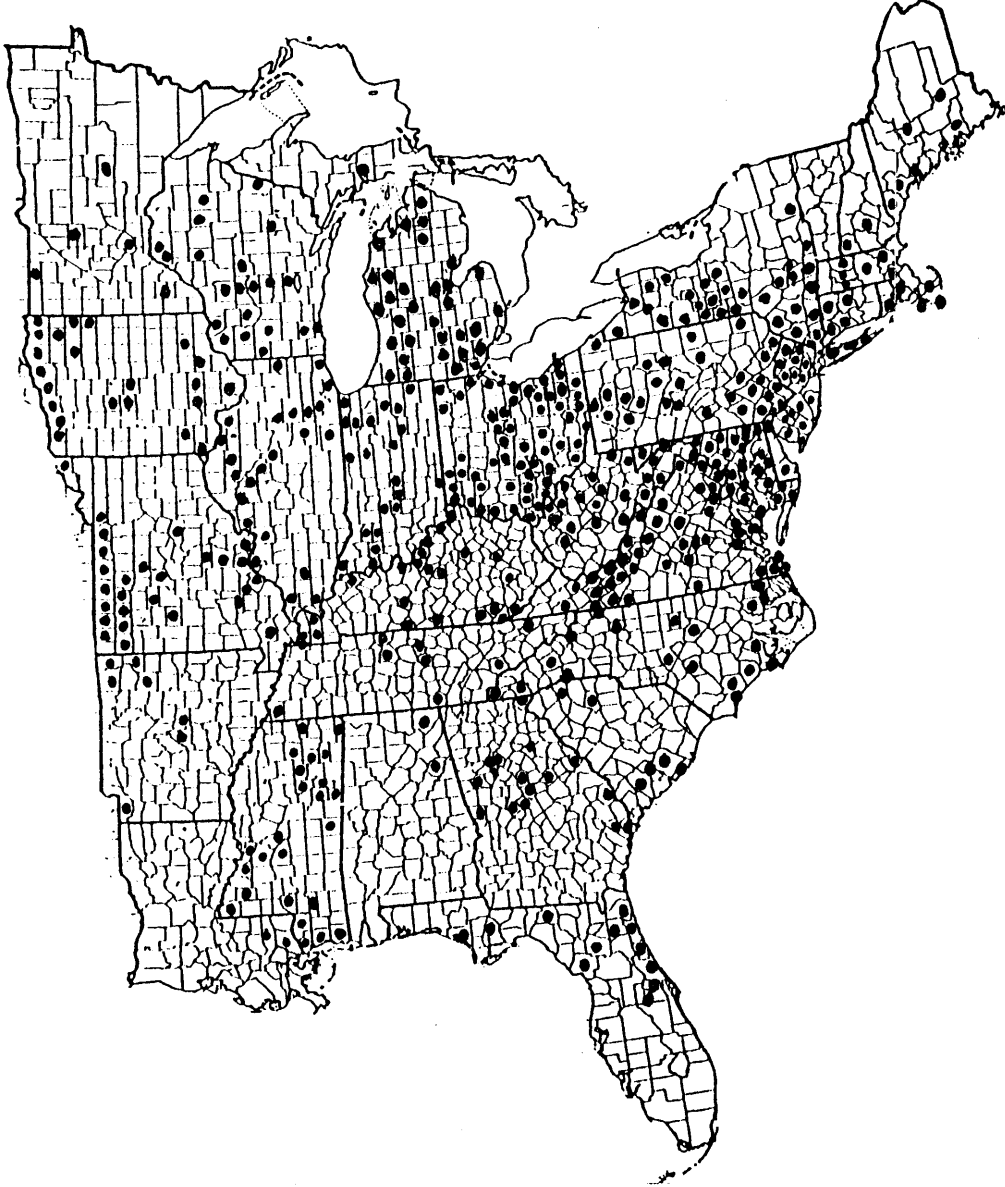
Hesperia pahaska



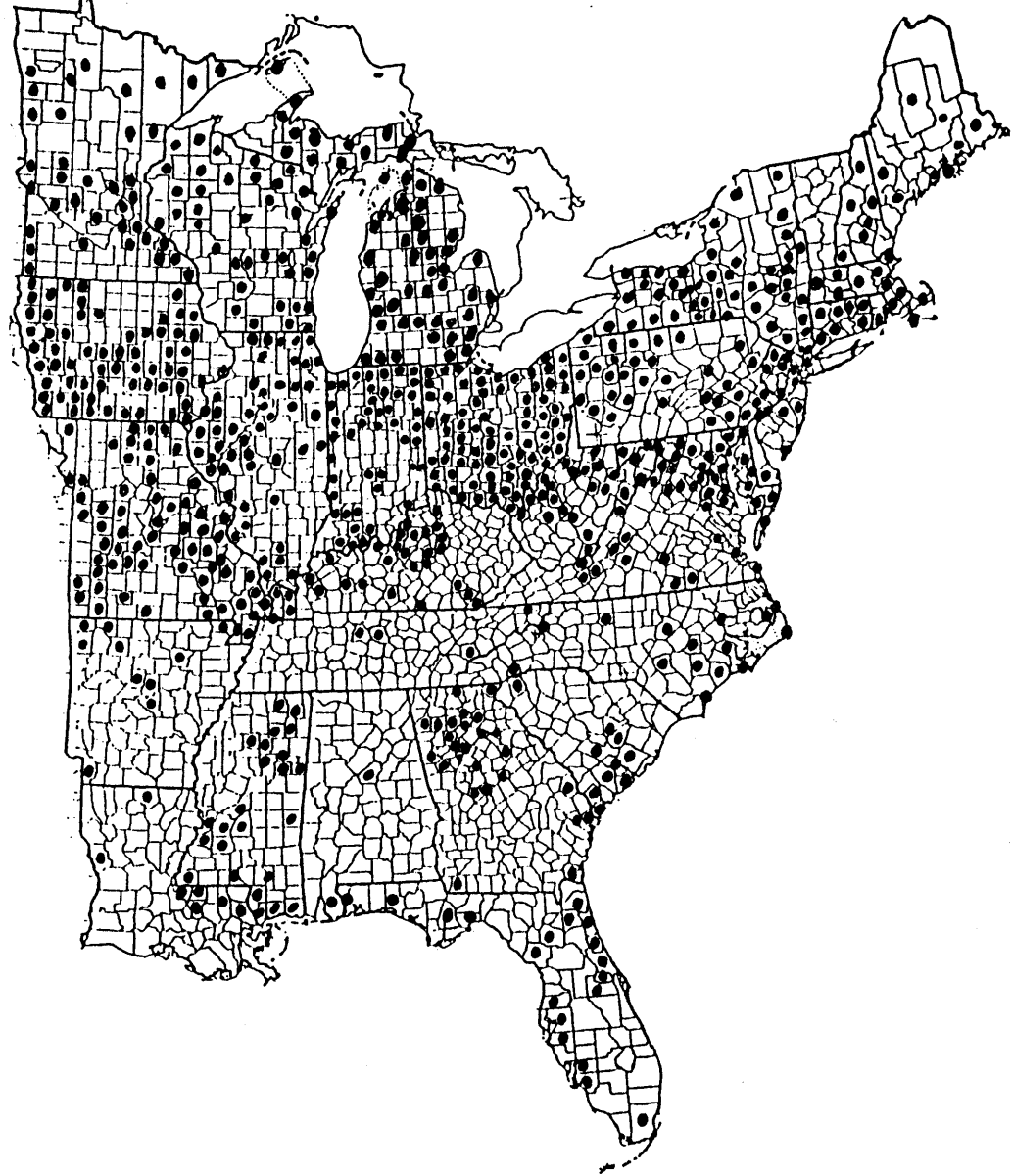
Polites baracoa



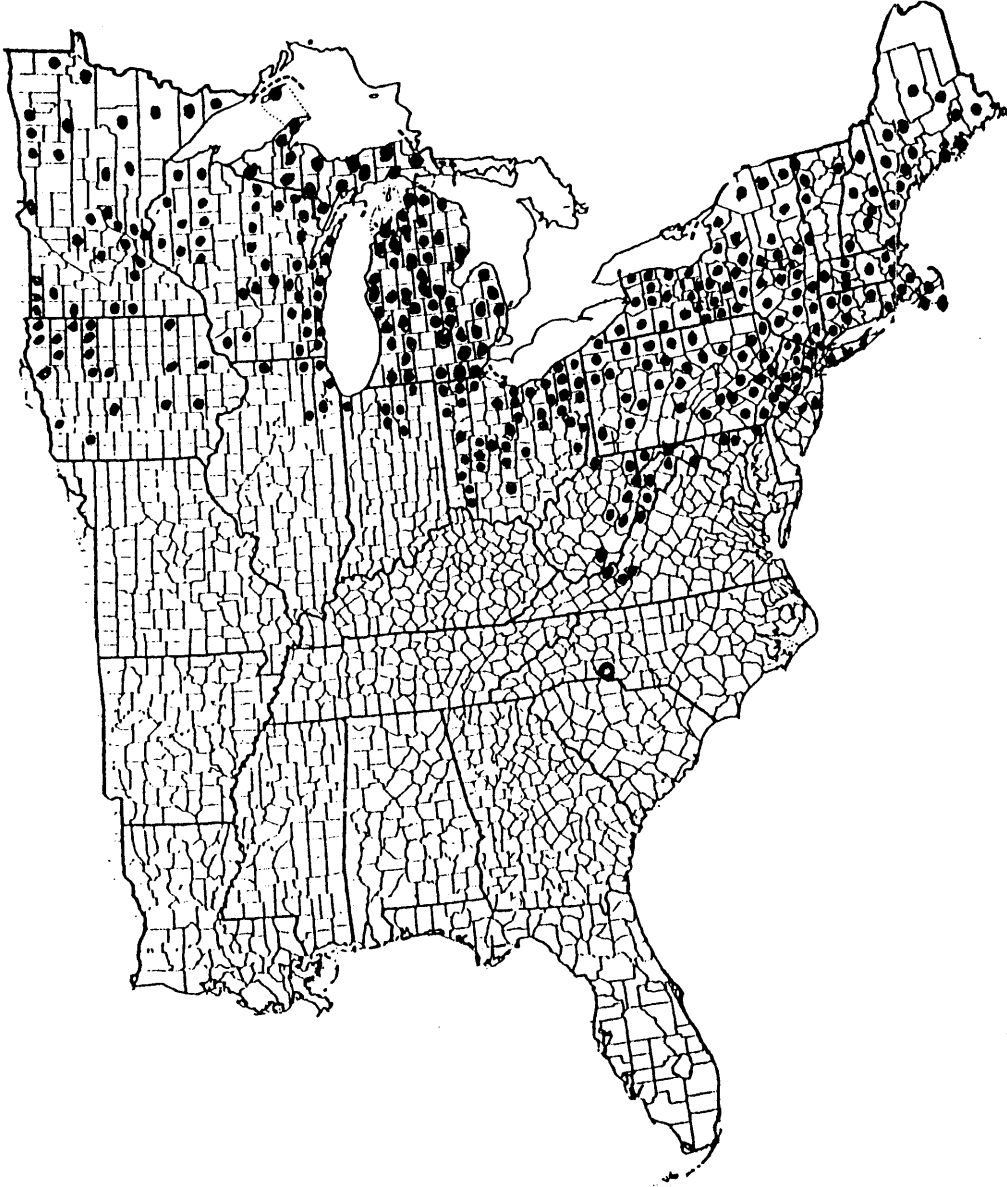
Polites coras



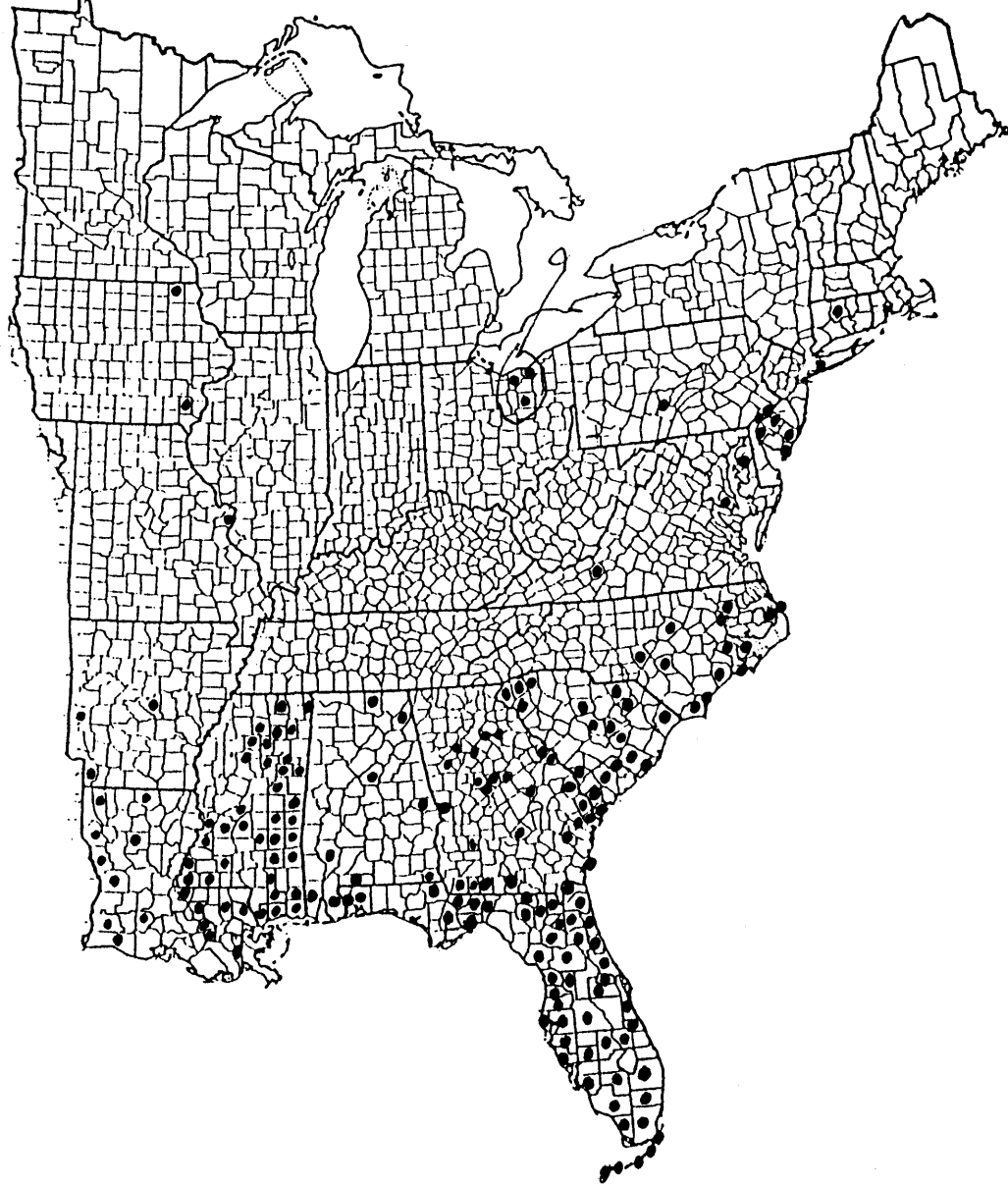
Polites origenes



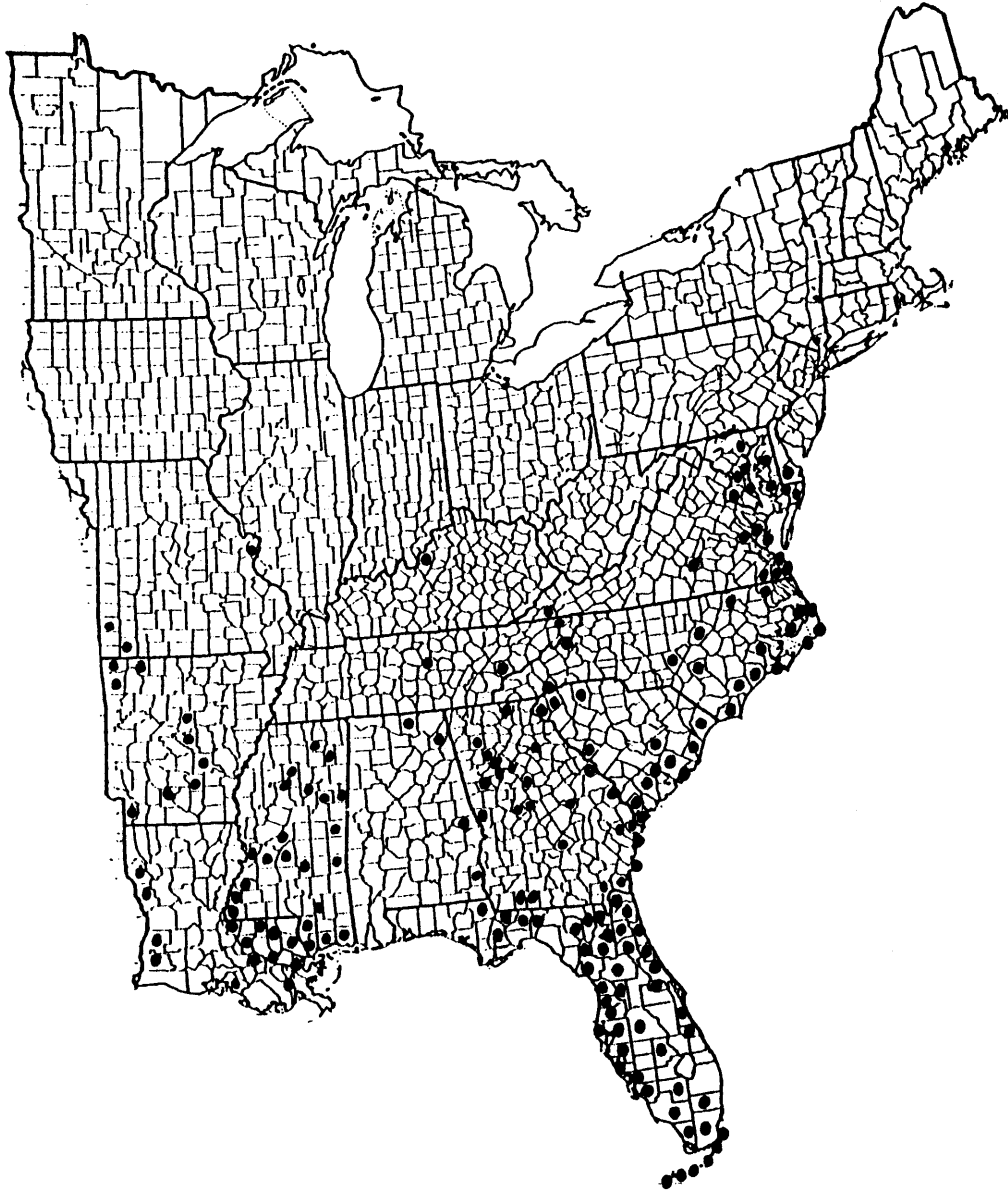
Polites themistocles



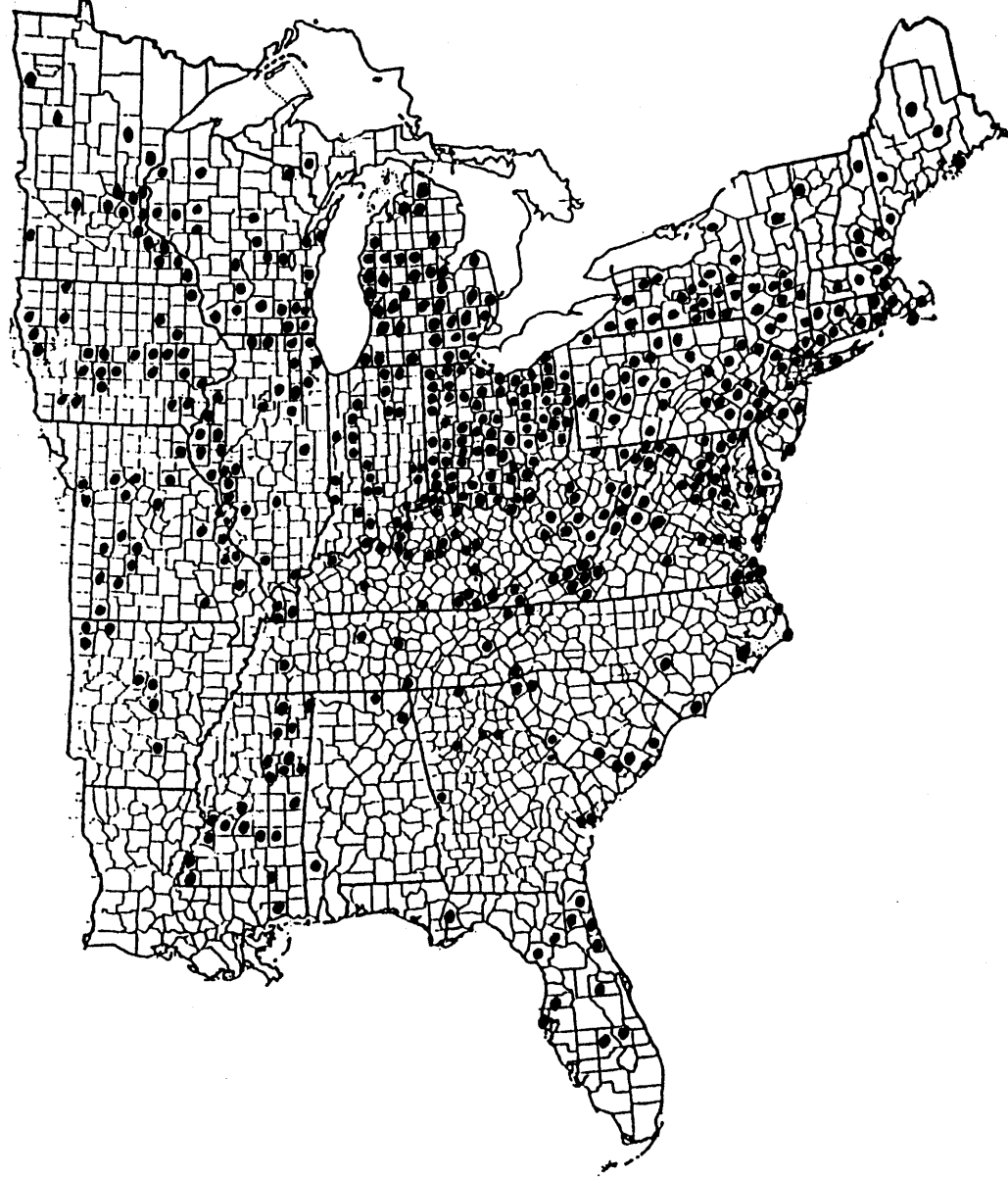
Polites mystic



Polites vibex



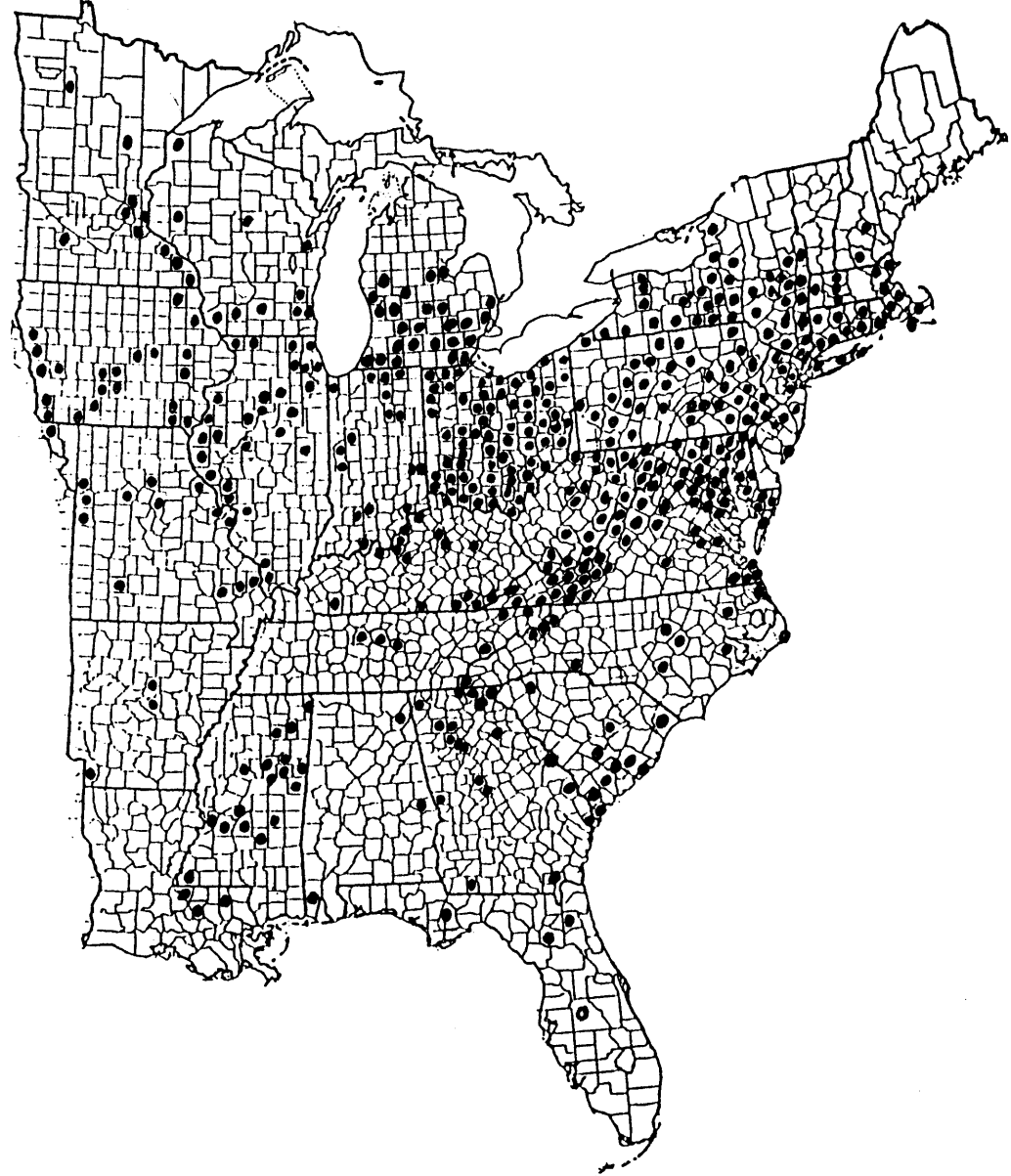
Wallengrenia otho



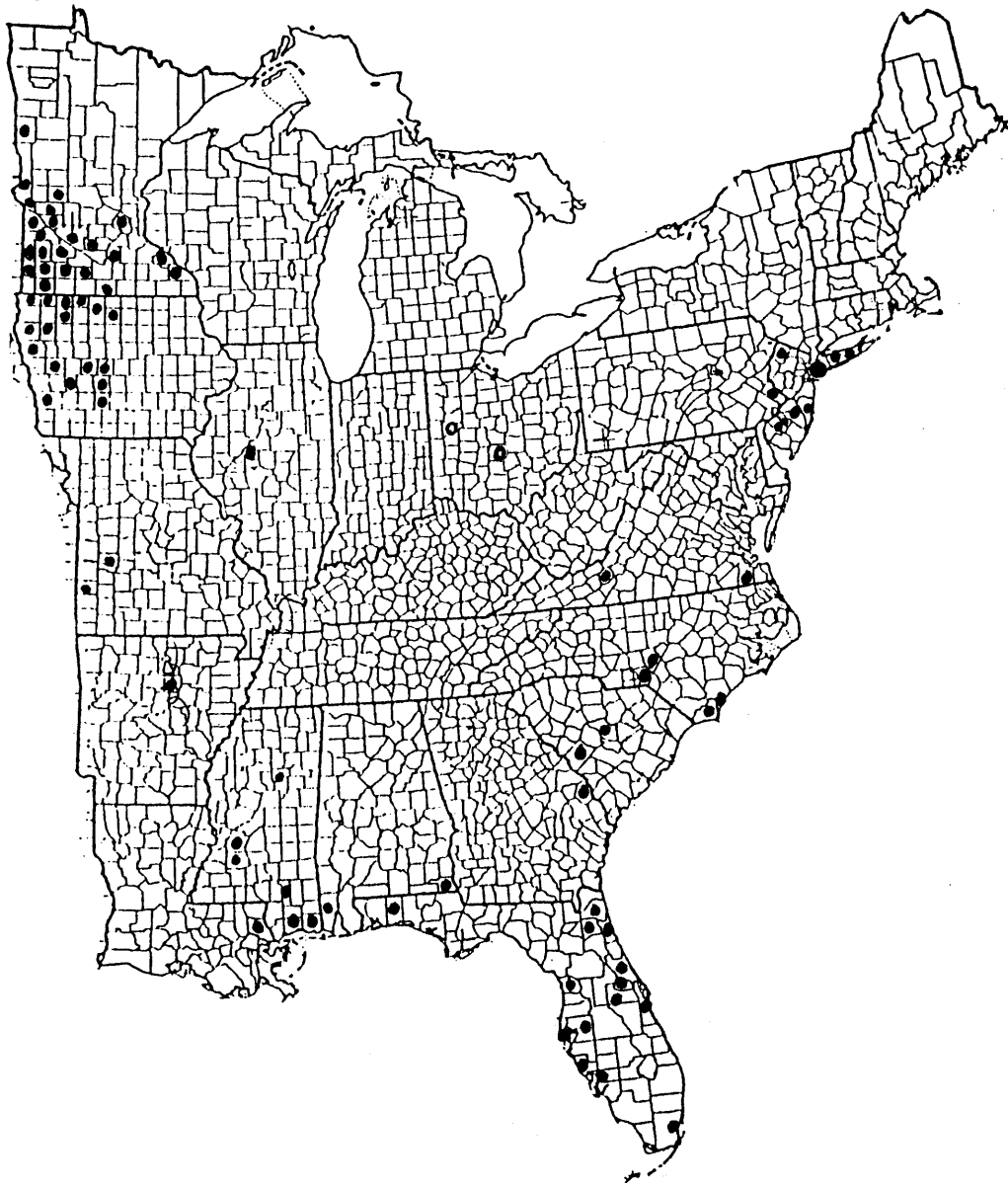
Wallengrenia egeremet



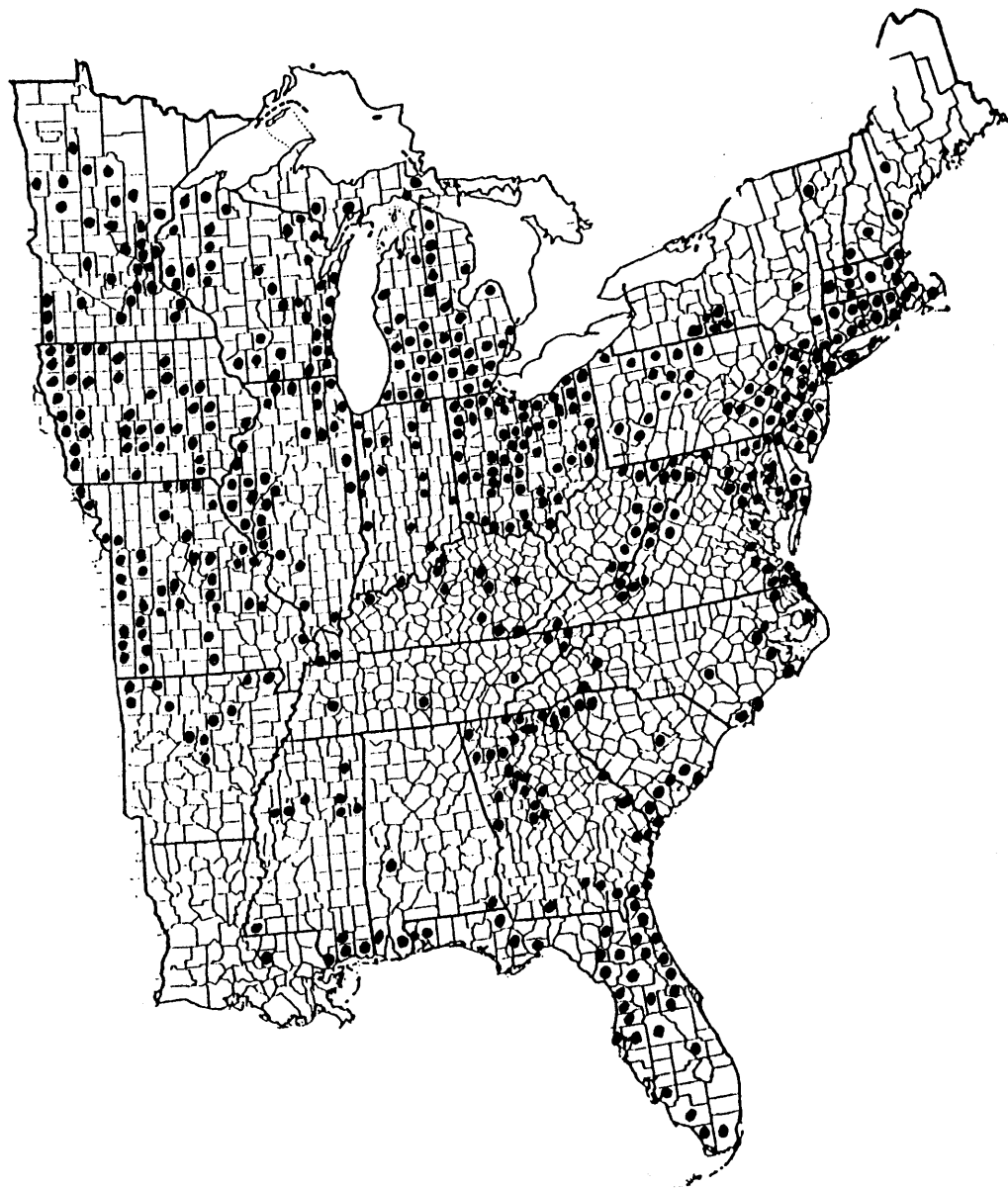
Atalopedes campestris



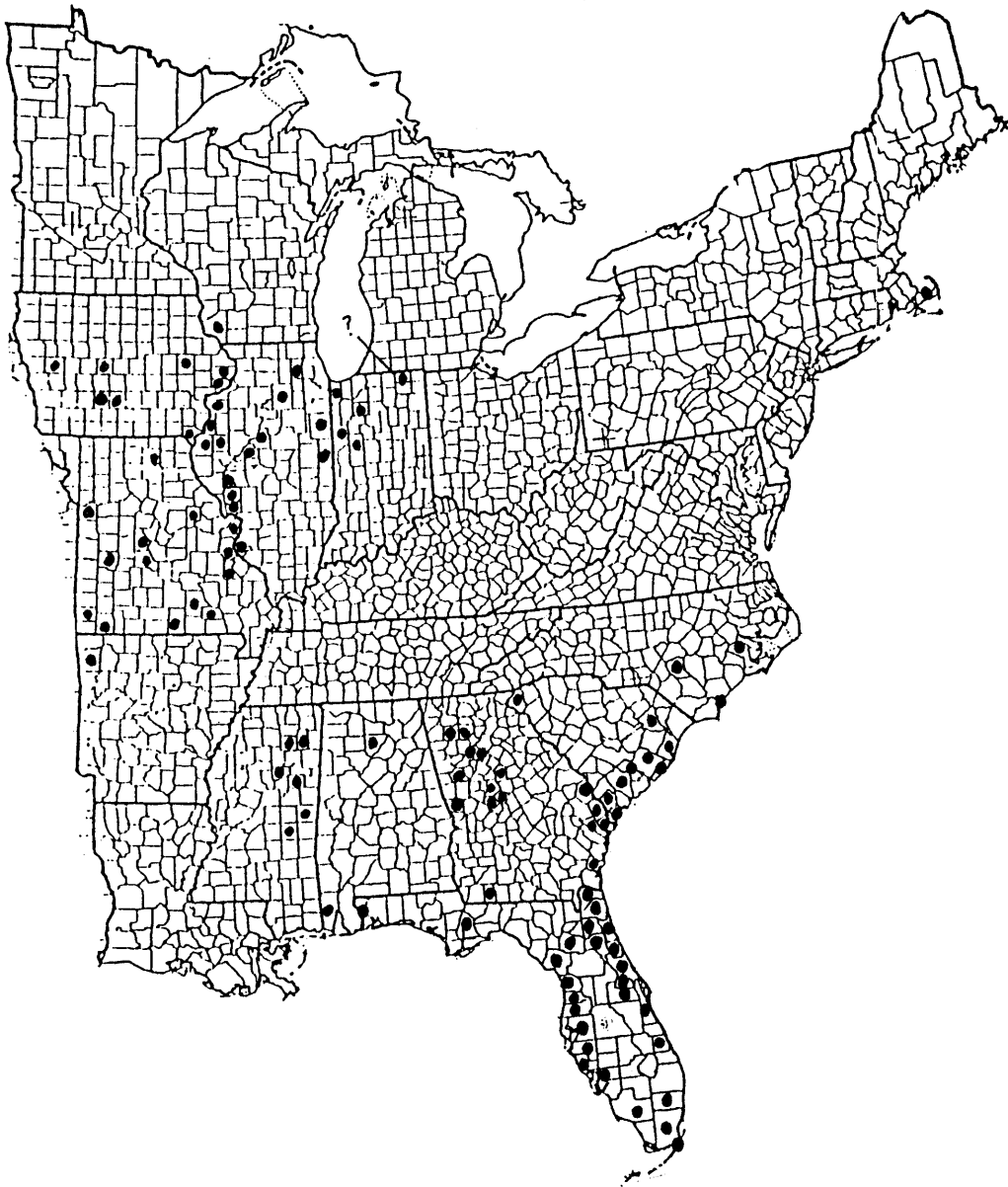
Pompeius verna



Atrytone arogos



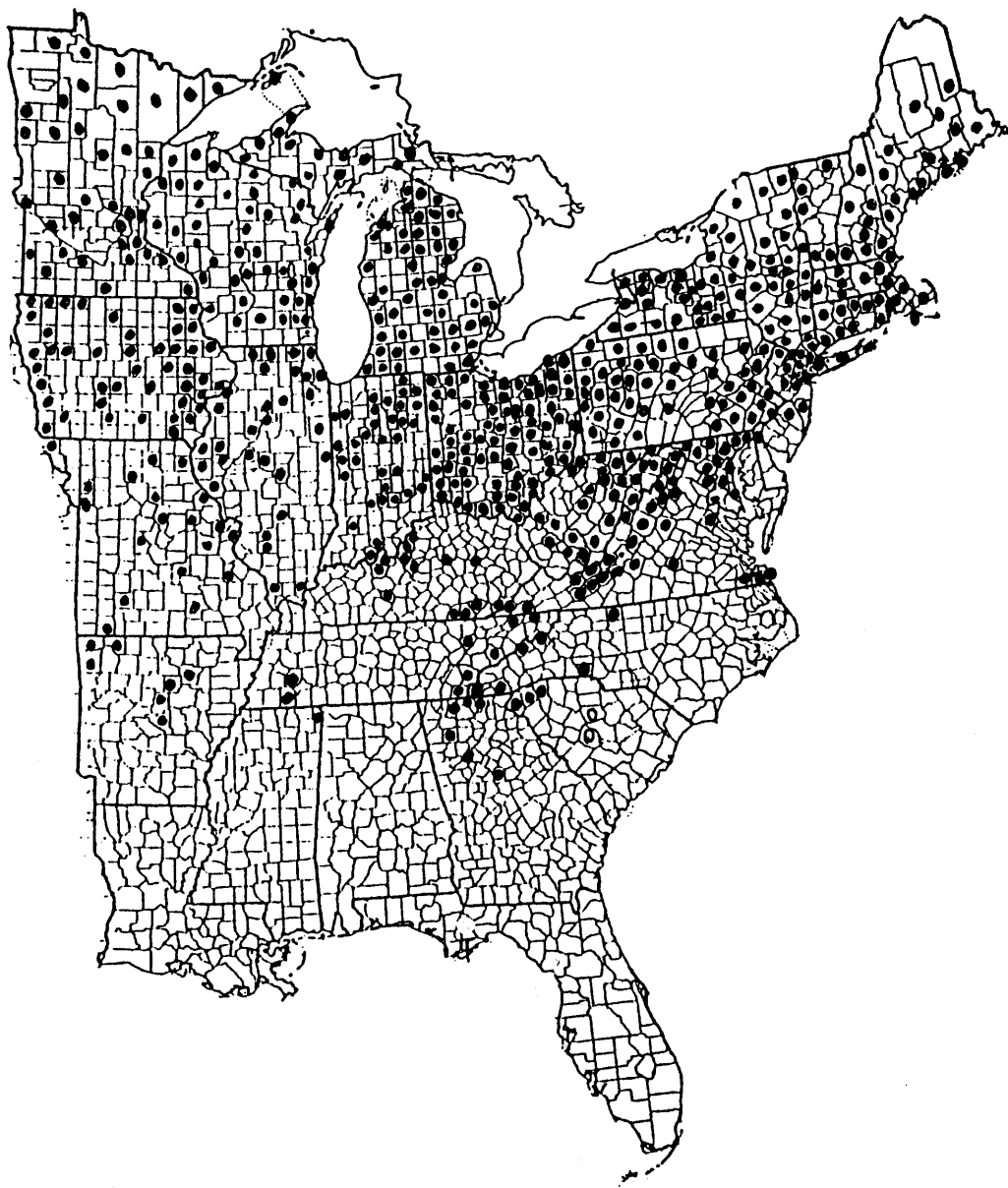
Atrytone logan



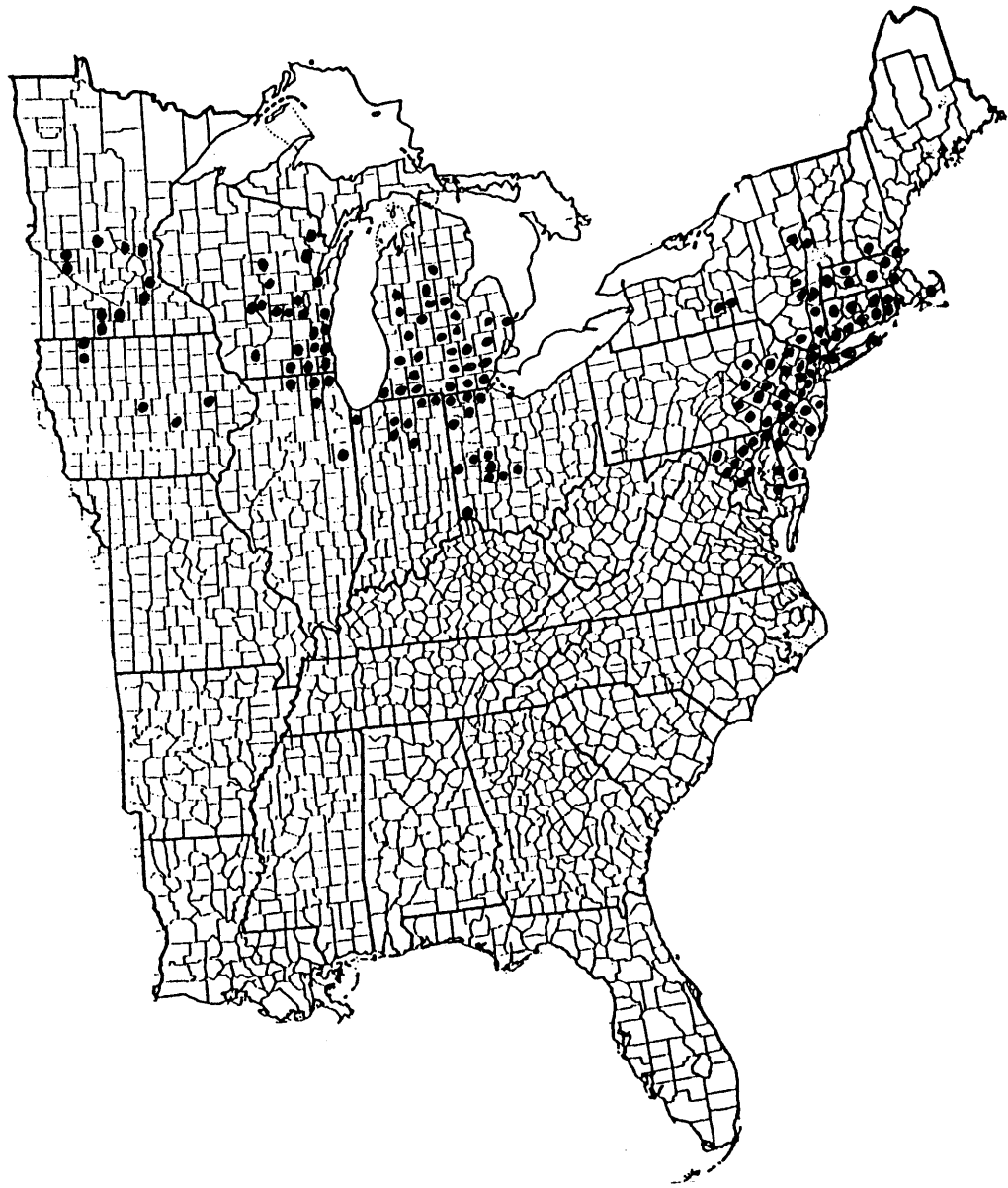
Problema byssus



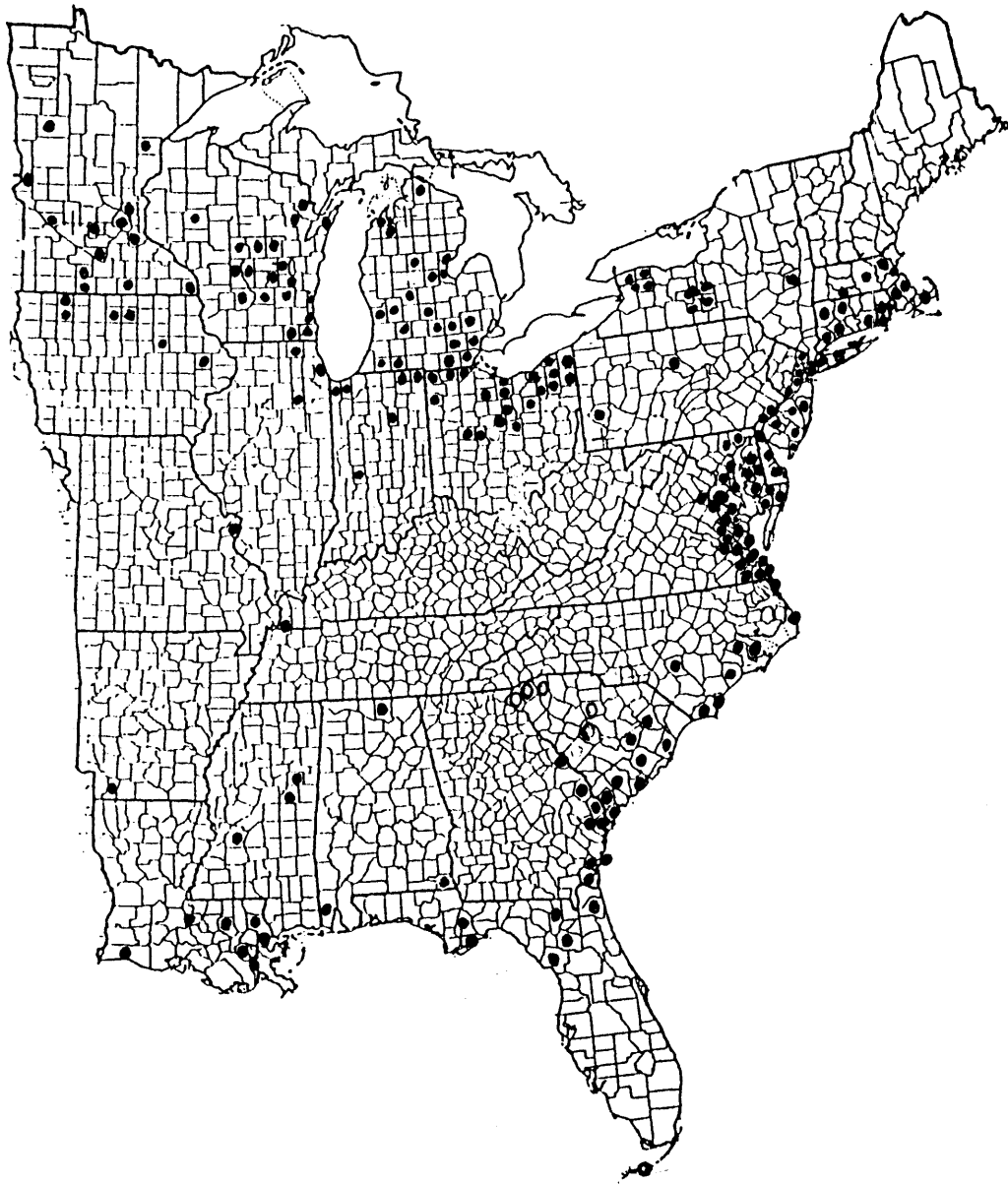
Problema bulenta



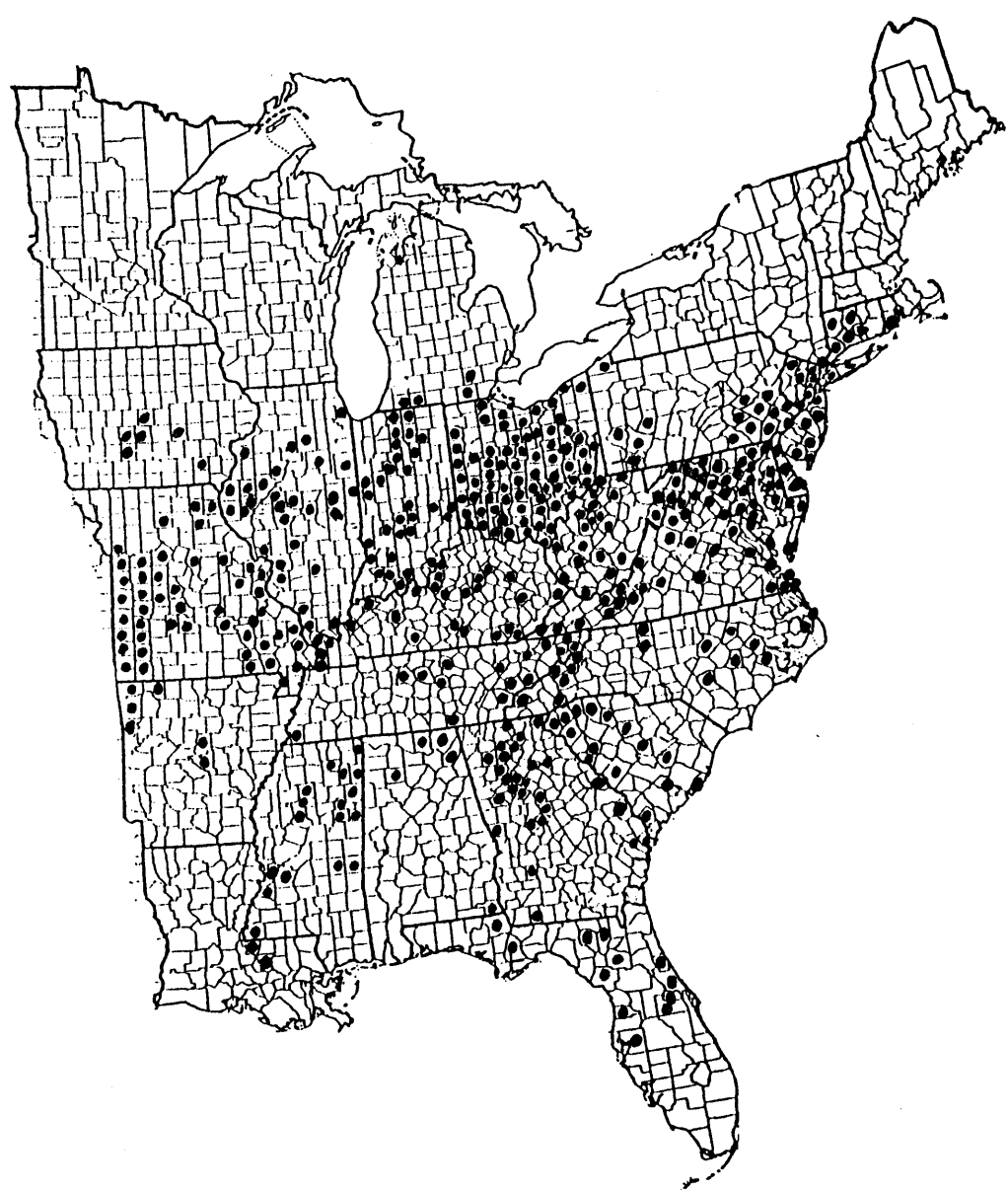
Poanes hobomok



Poanes massasoit



Poanes viator



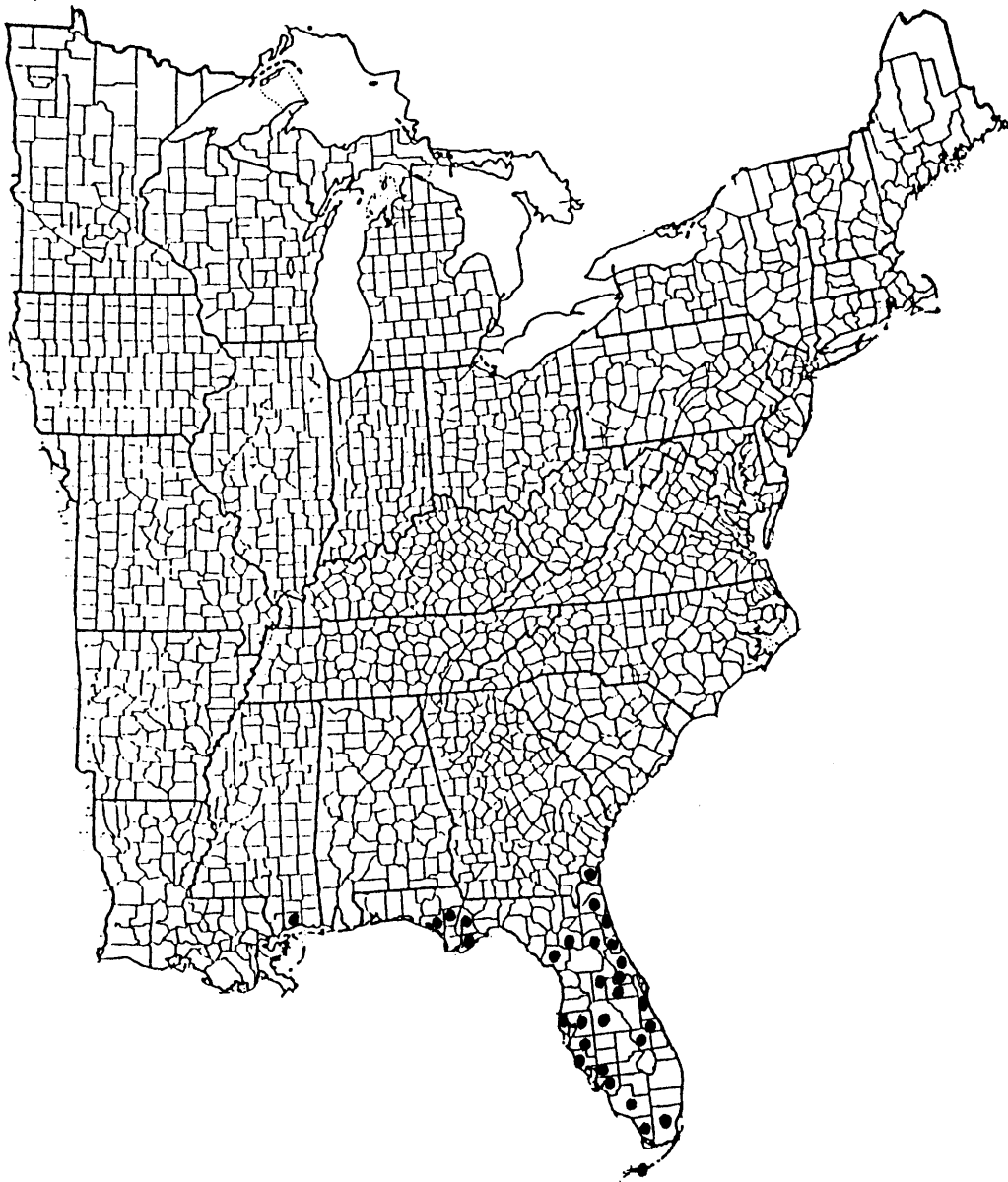
Poanes zabulon



Poanes aaroni



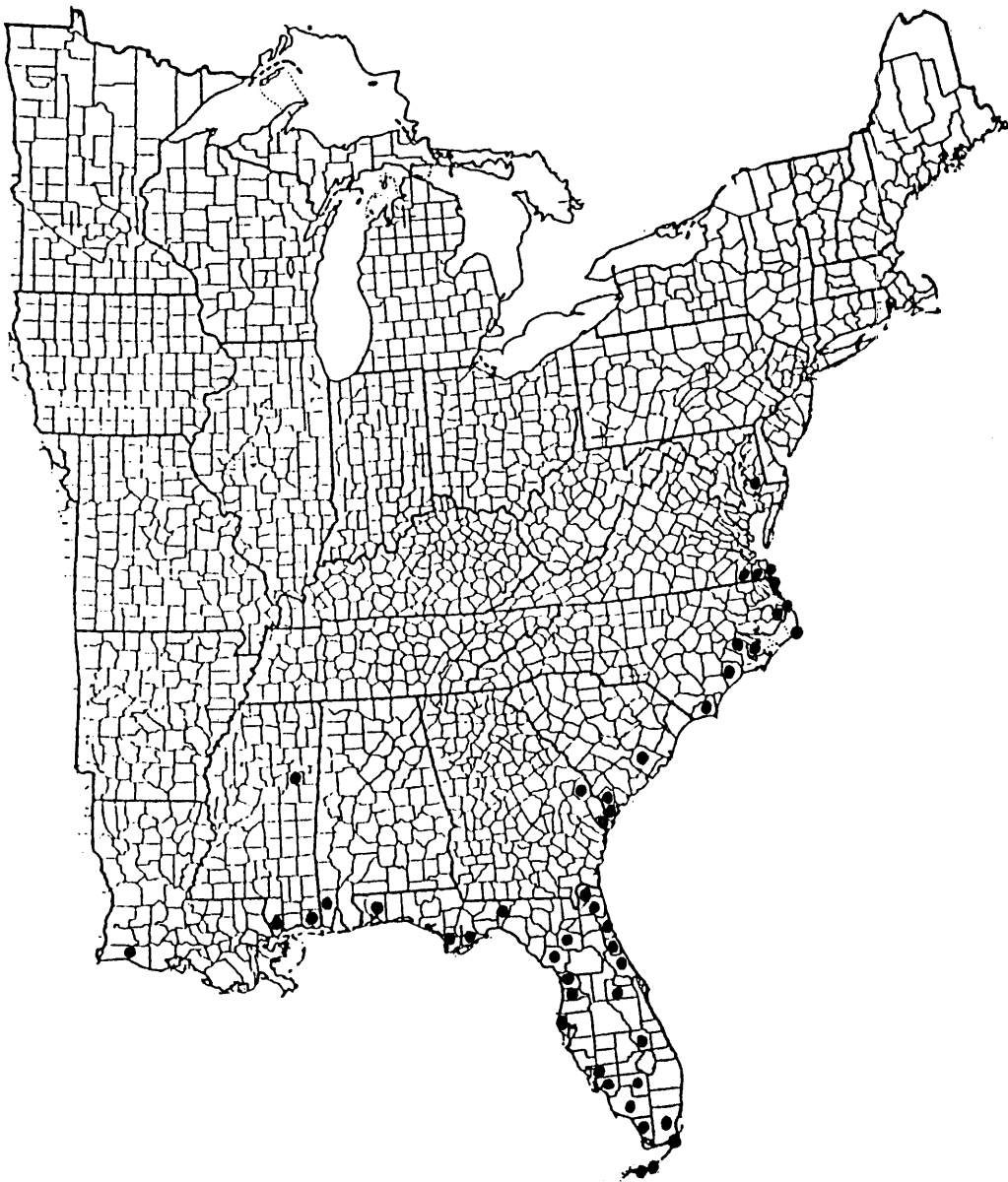
Poanes yehl



Euphyes arpa



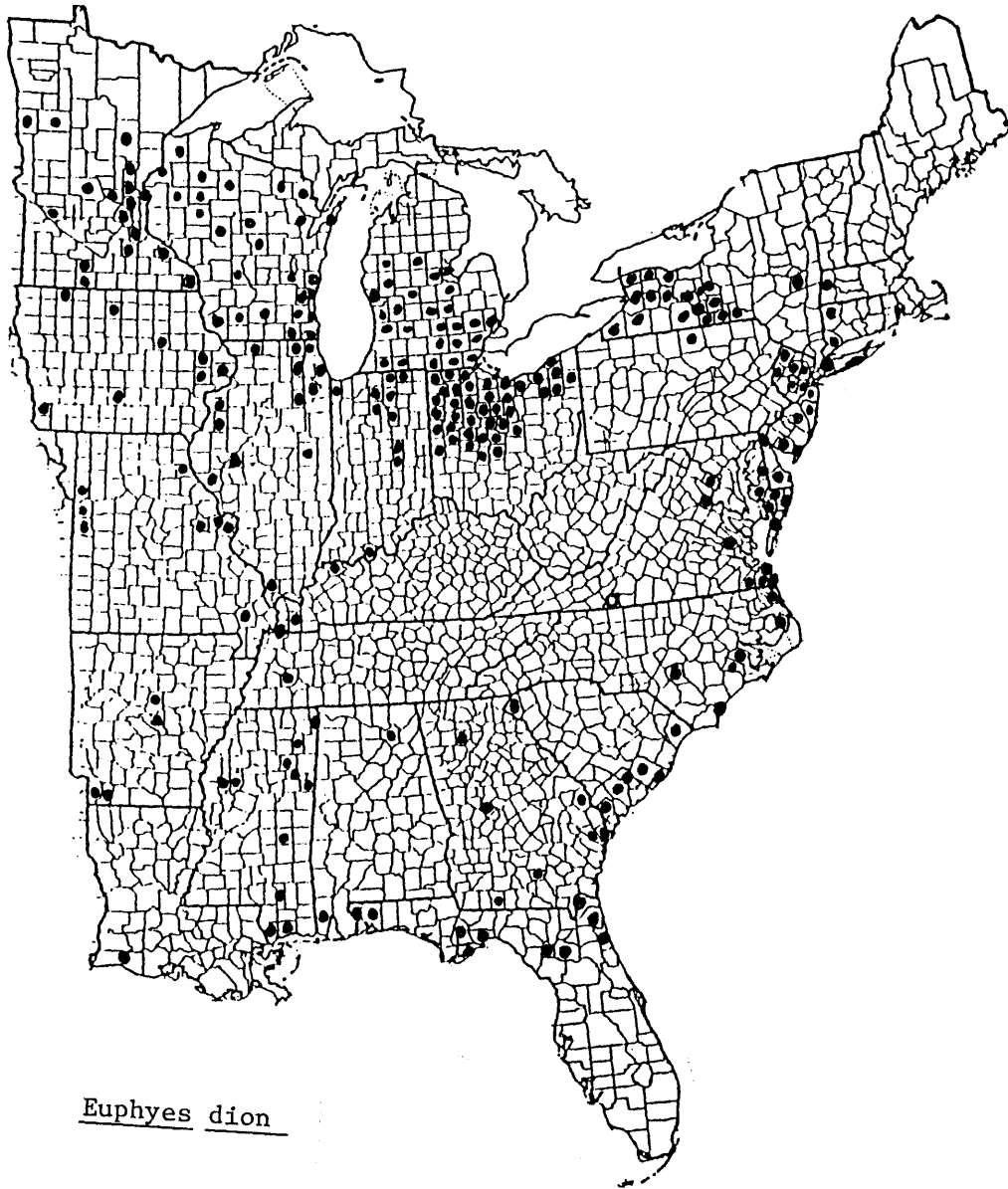
Euphyes berryi



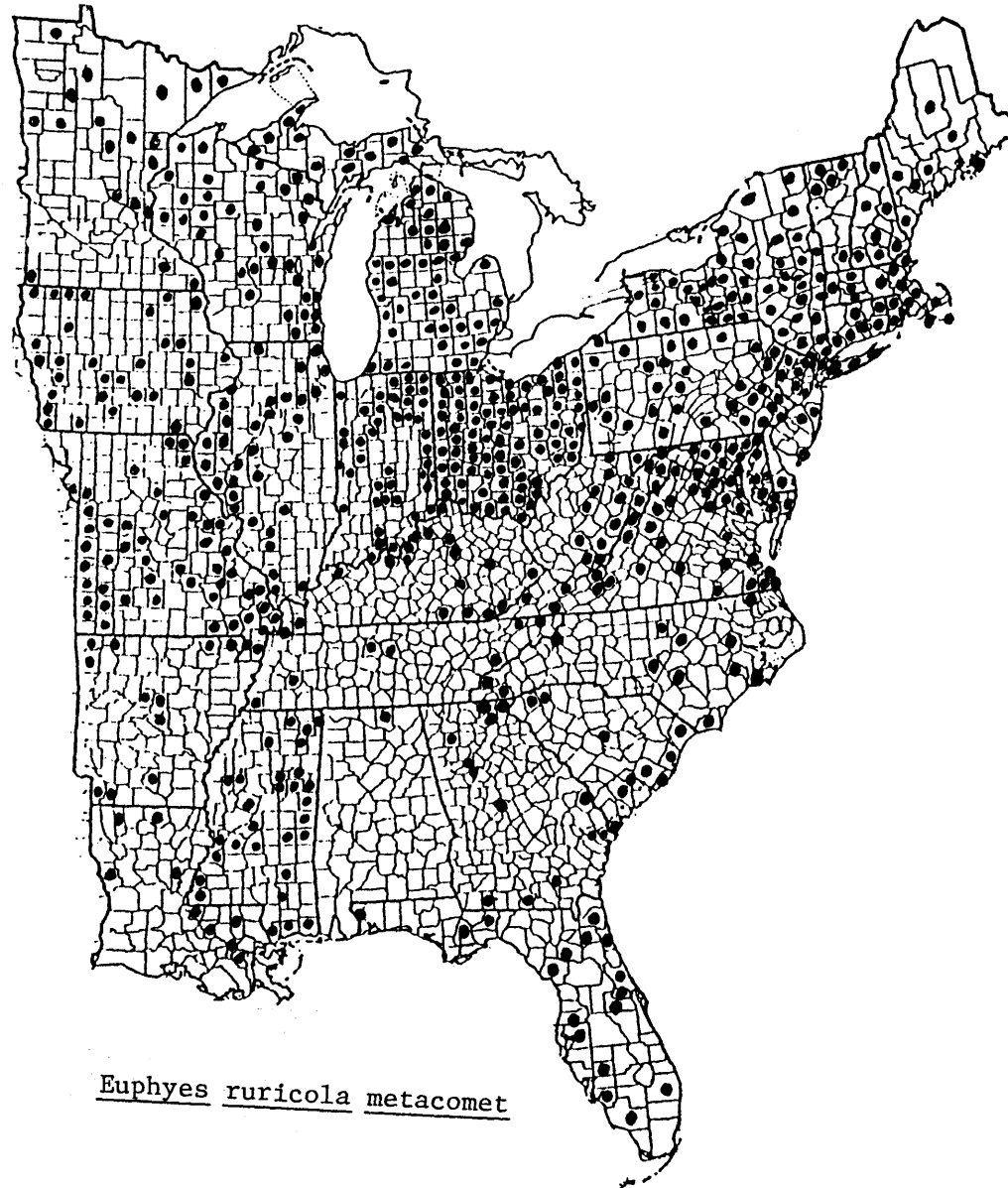
Euphyes pilatka



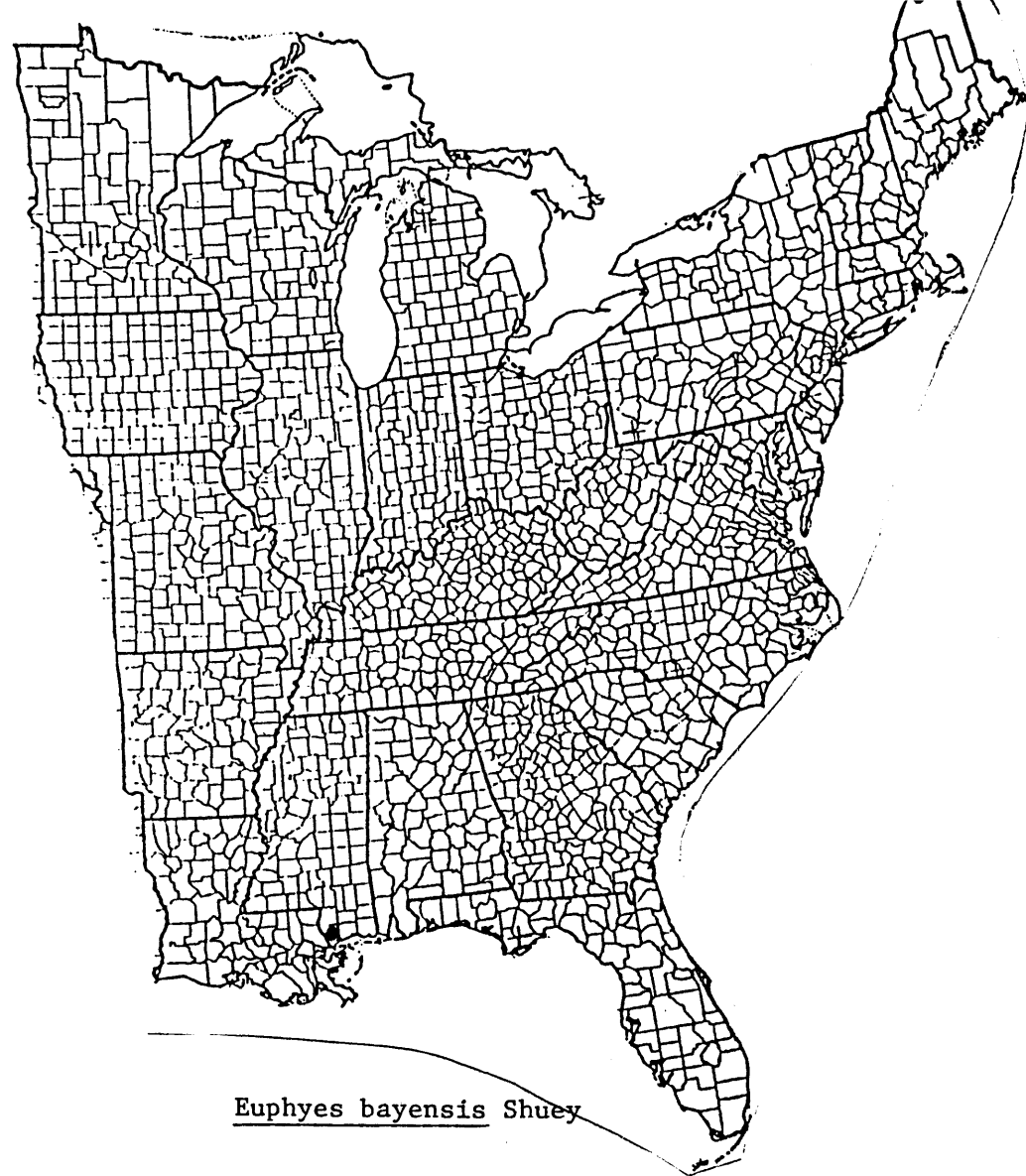
Euphyes dukesi



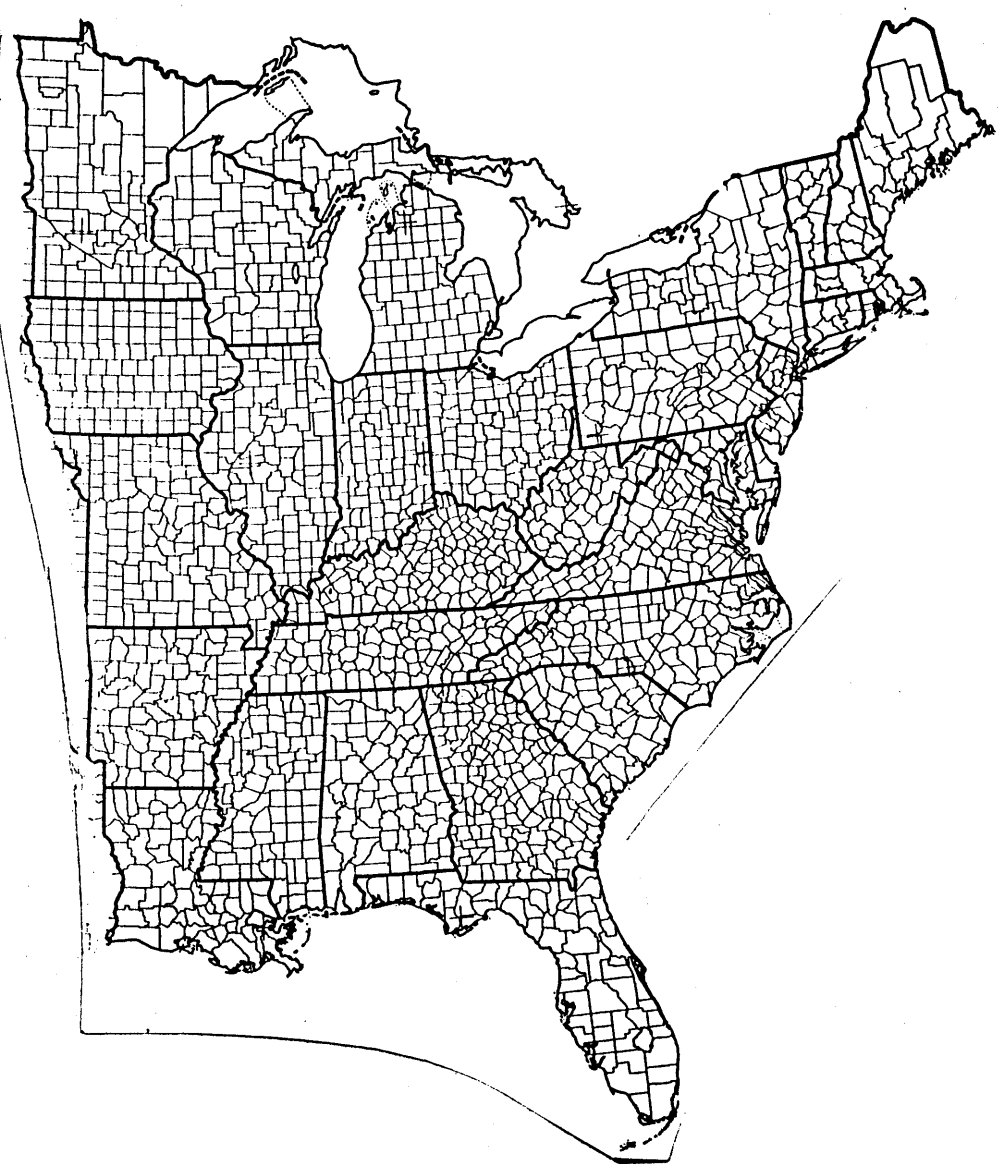
Euphyes dion

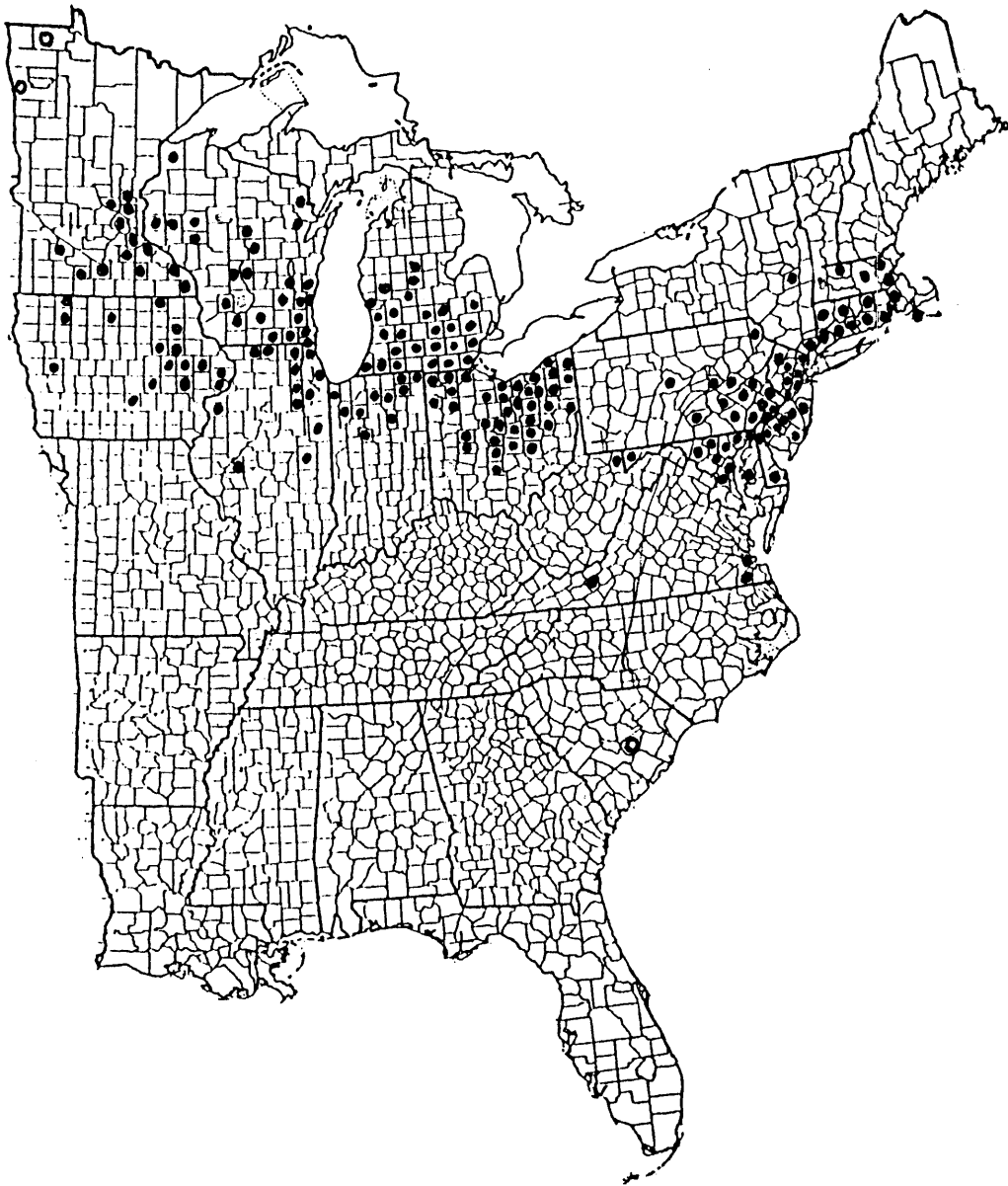


Euphyes ruricola metacomet

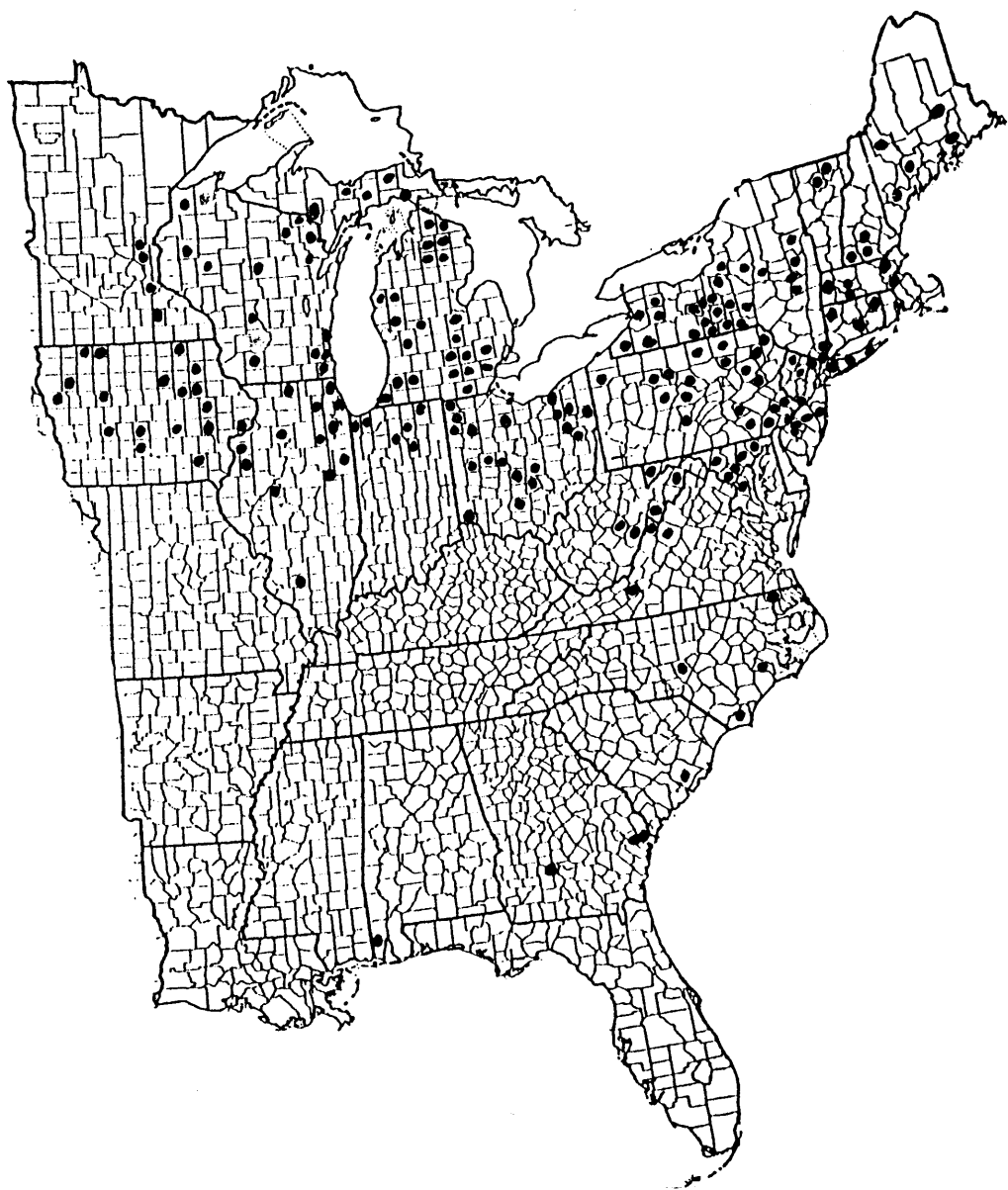


Euphyes bayensis Shuey

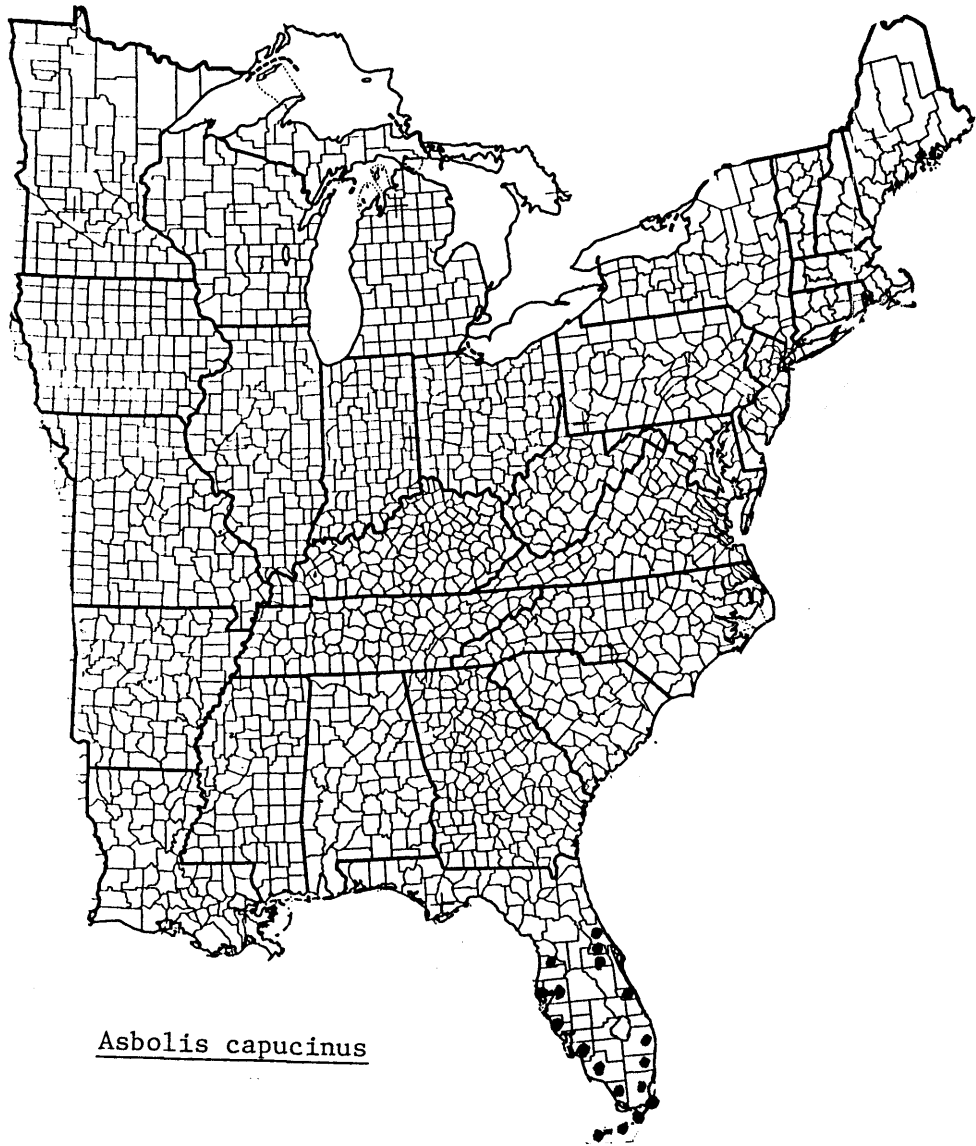




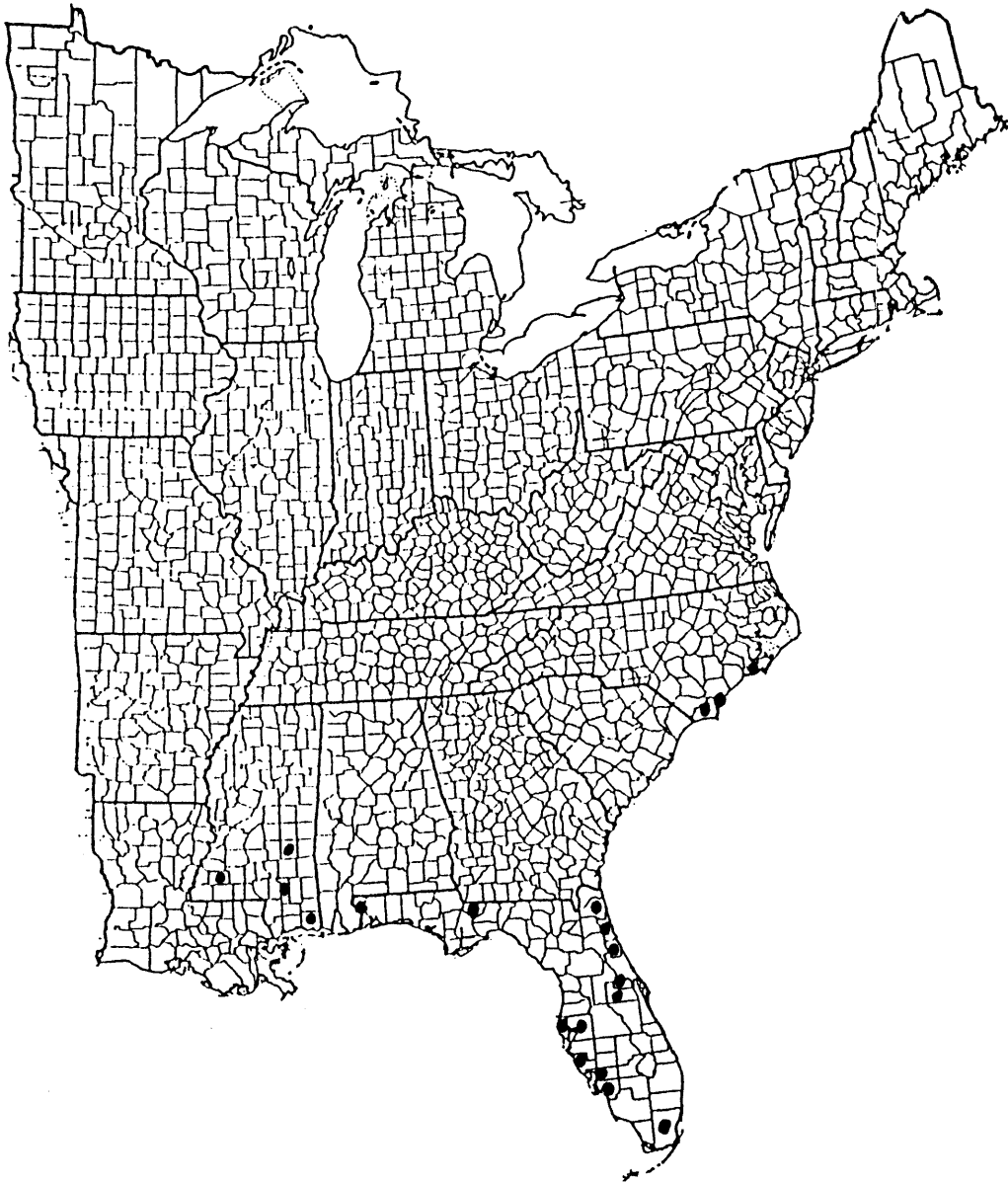
Euphyes conspicua



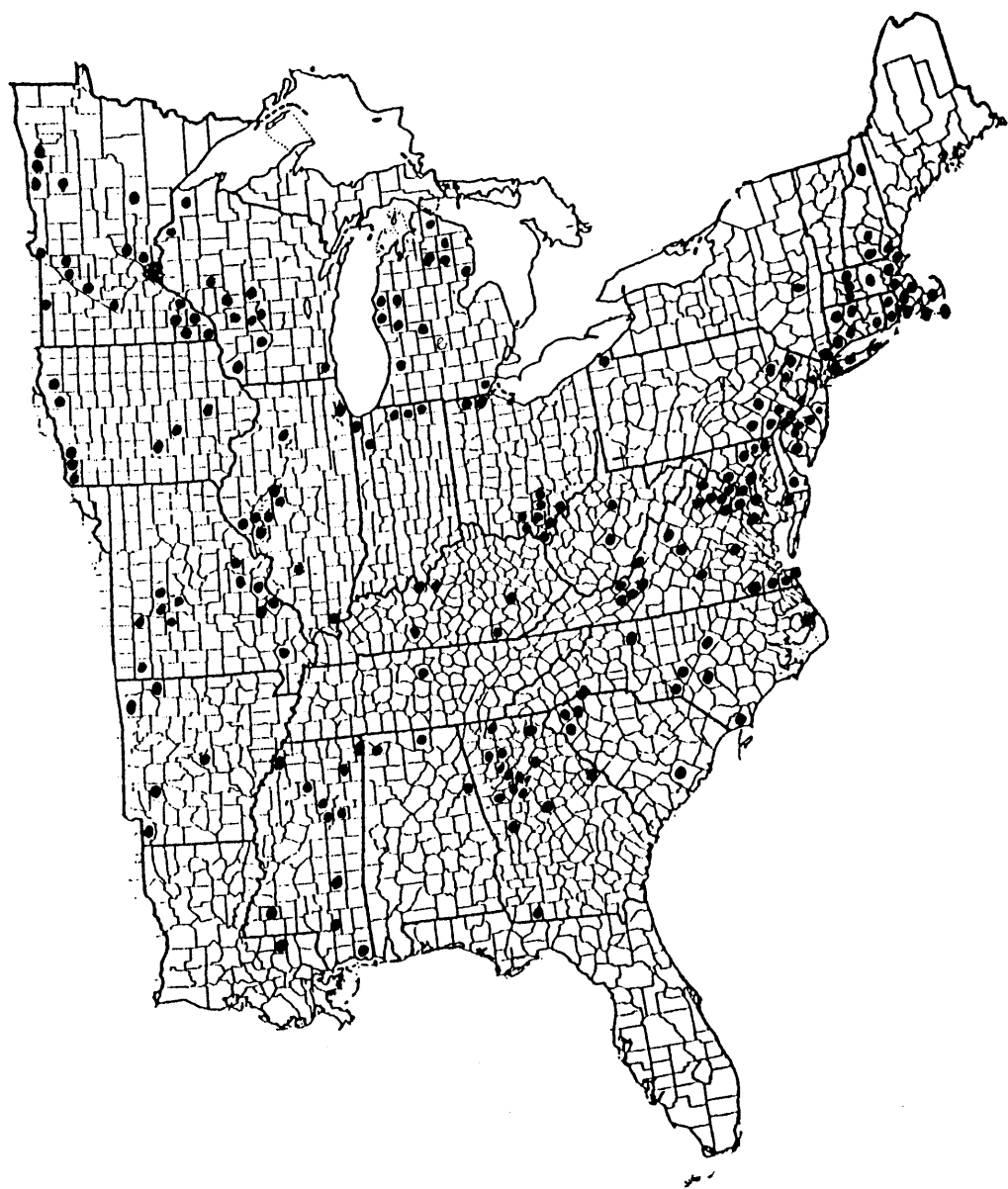
Euphyes bimacula



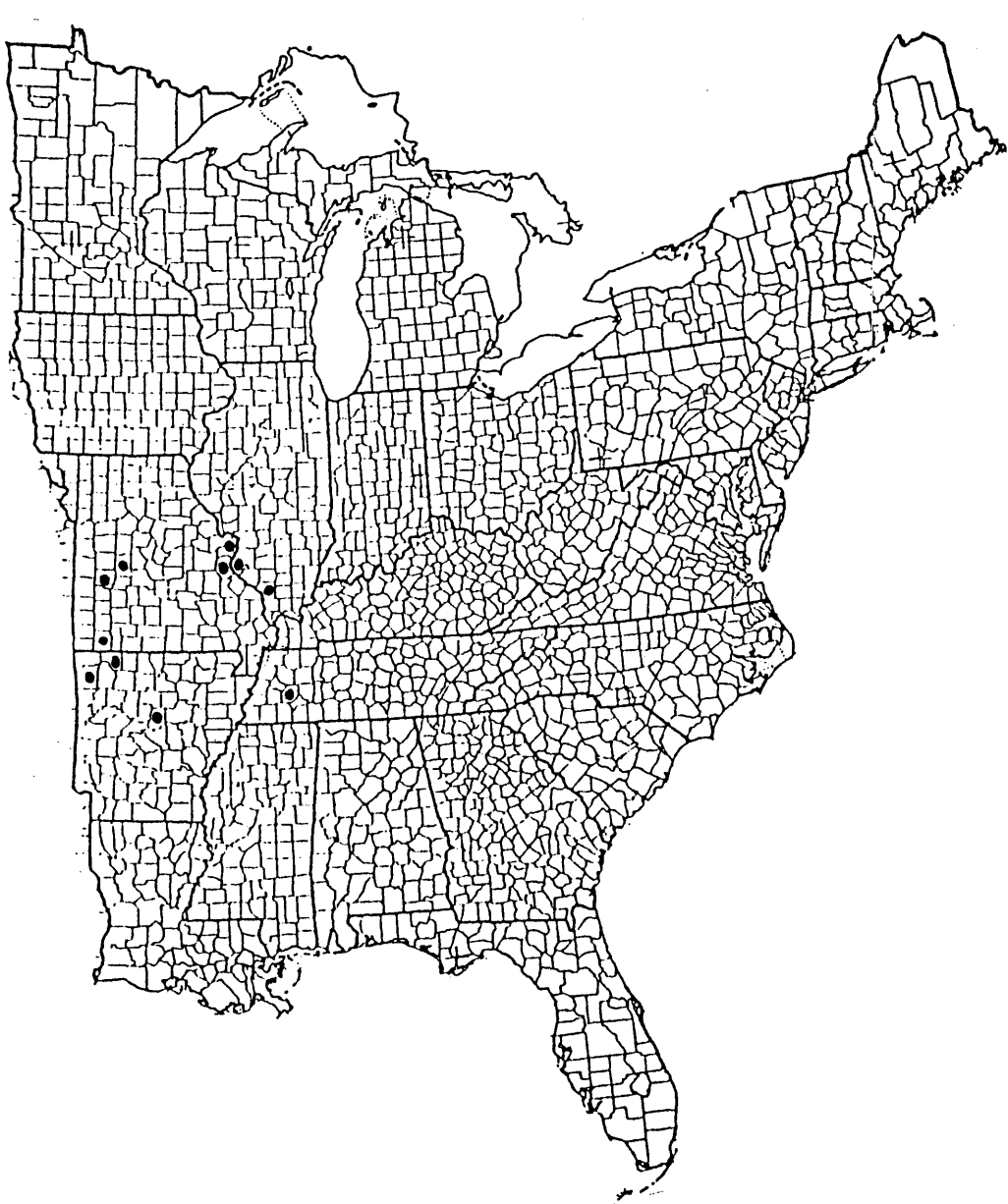
Asbolis capucinus



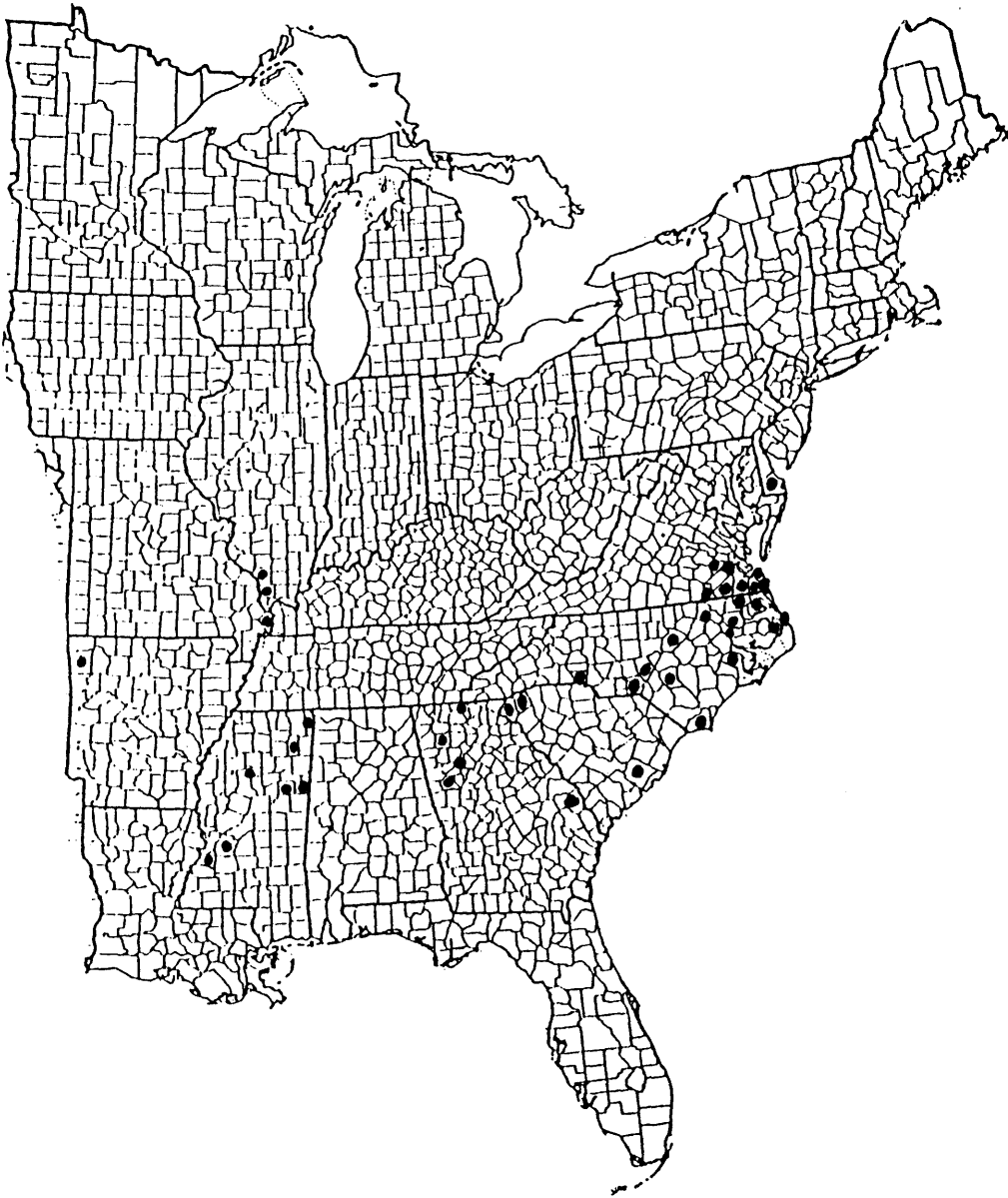
Atrytonopsis loammi



Atrytonopsis hianna



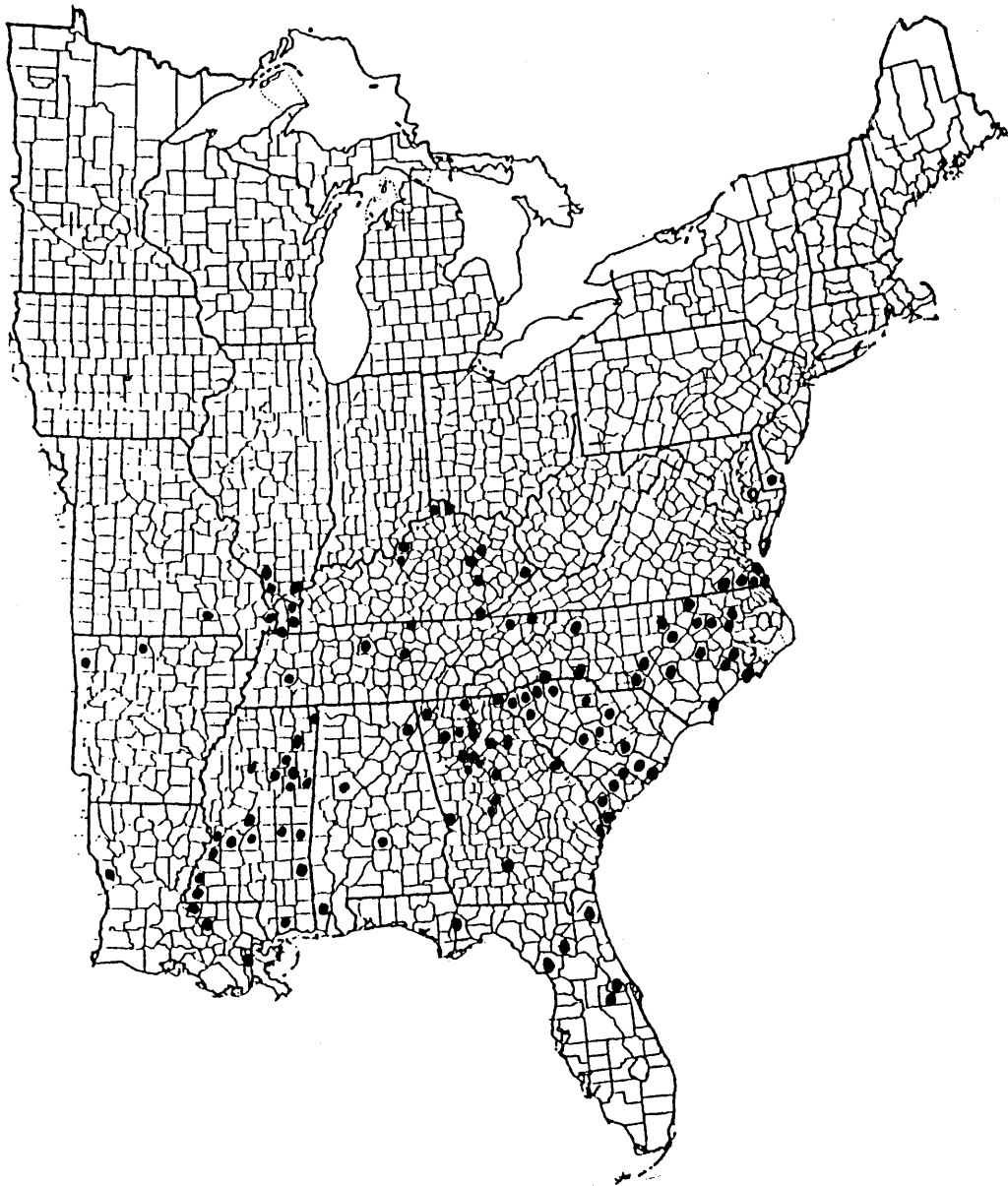
Amblyscirtes linda



Amblyscirtes carolina



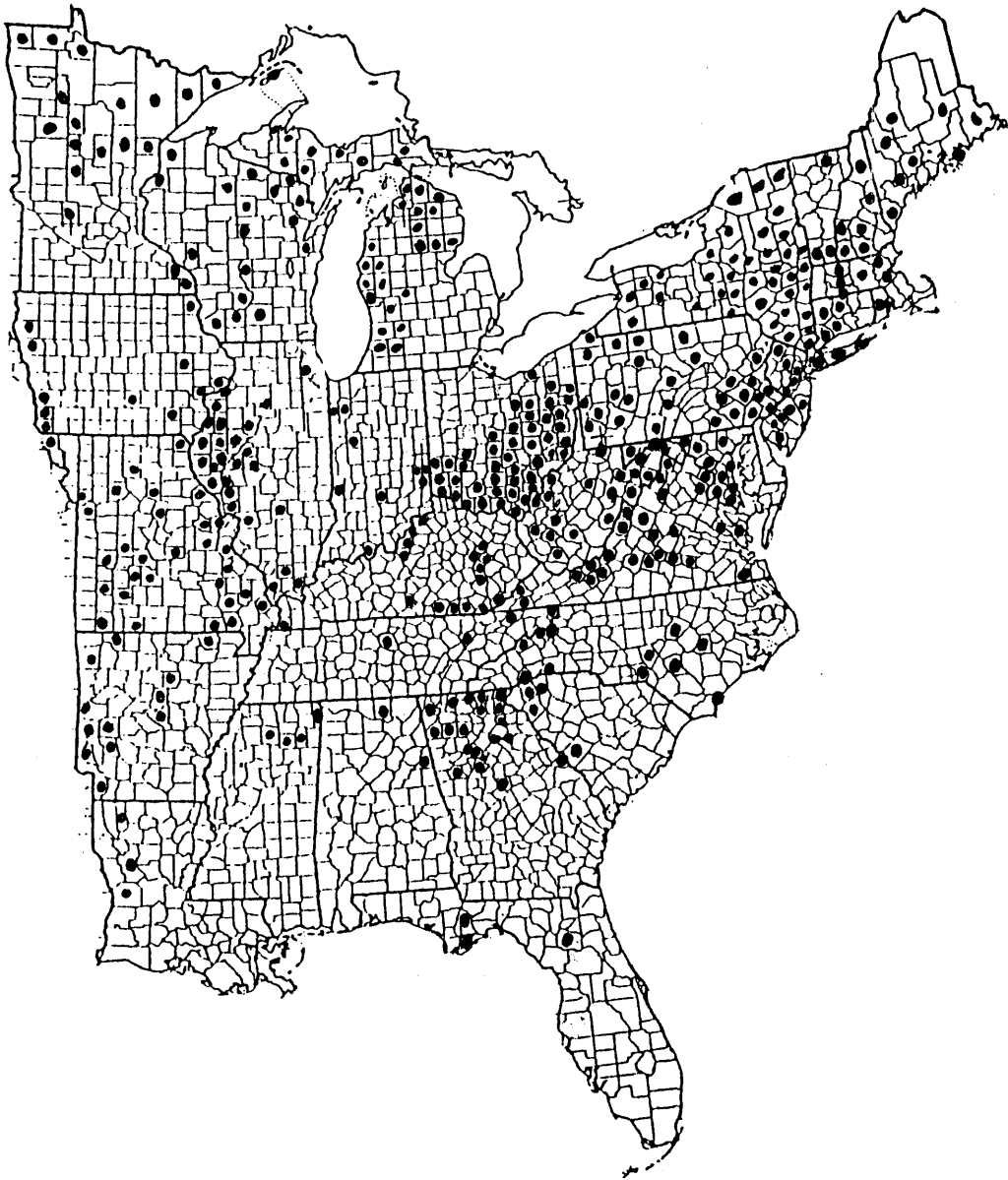
Amblyscirtes reversa



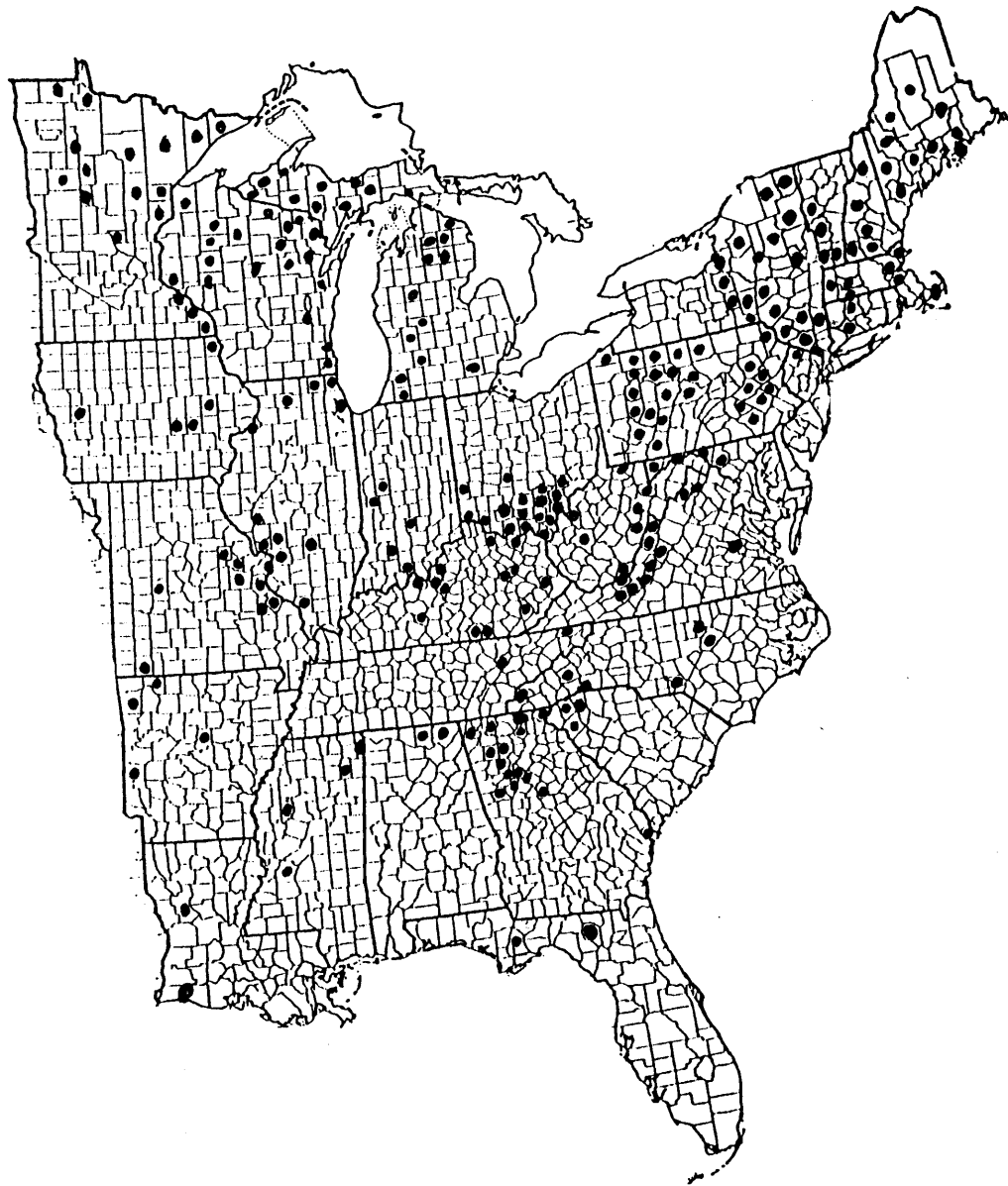
Amblyscirtes aesculapius



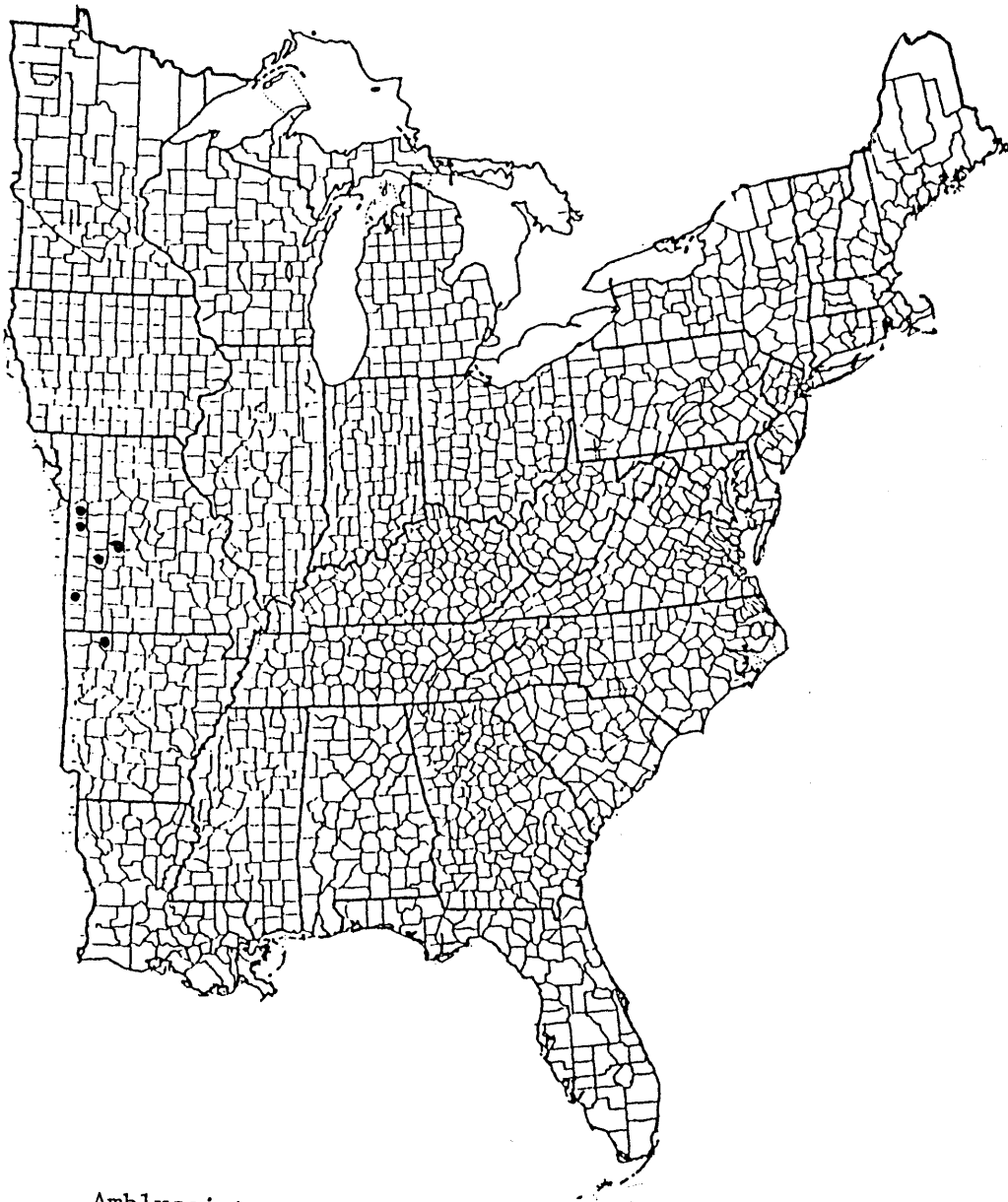
Amblyscirtes alternata



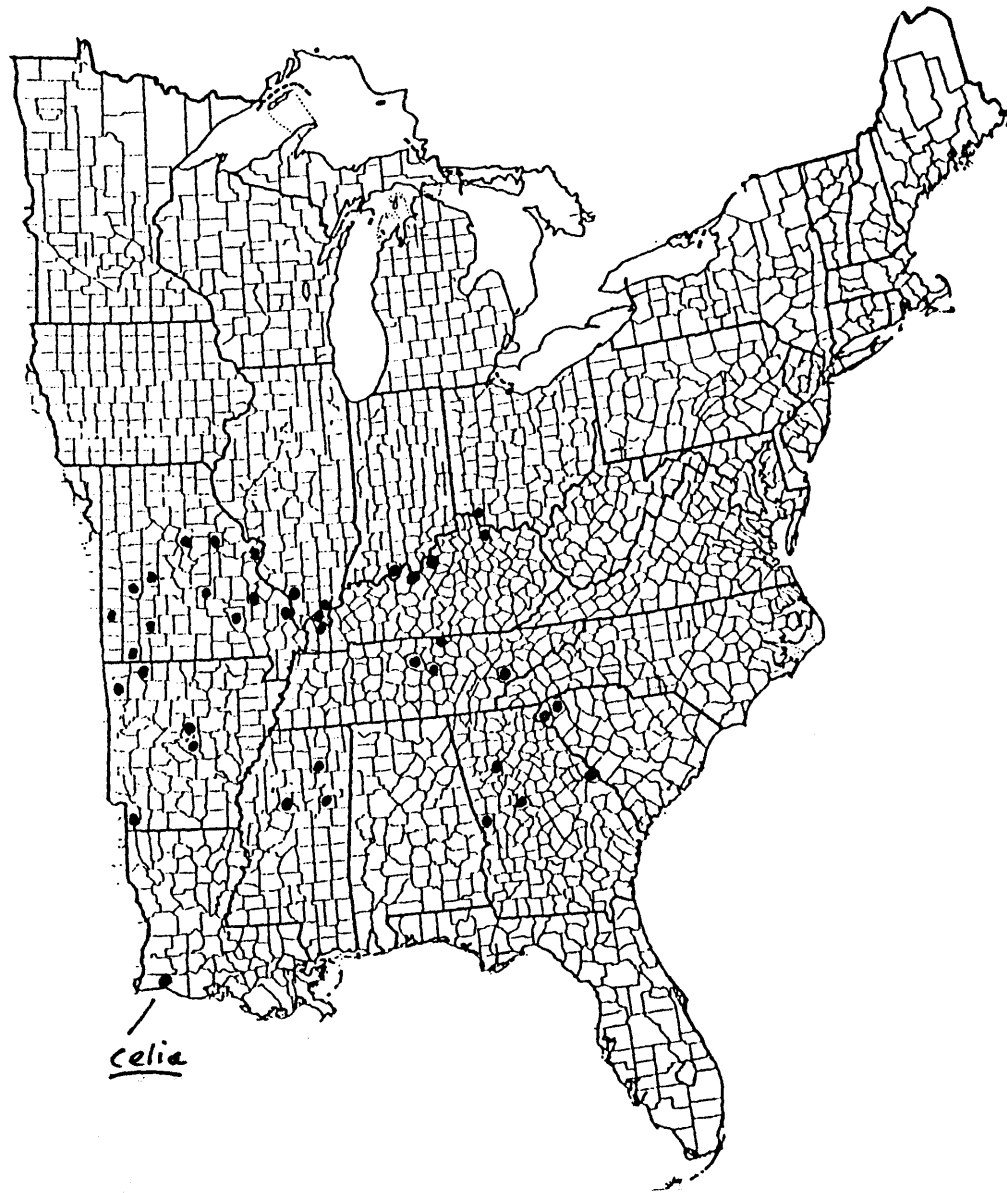
Amblyscirtes vialis



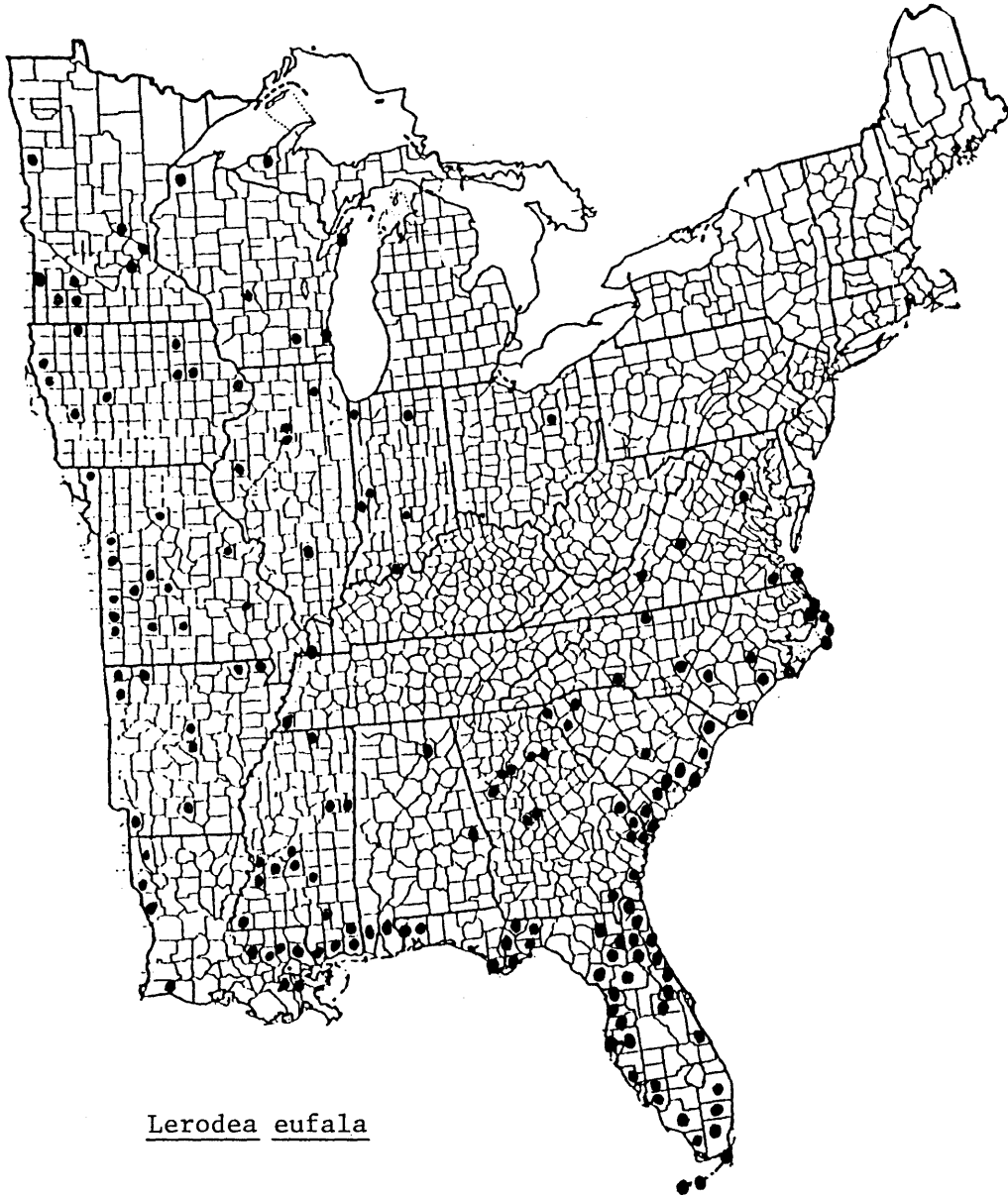
Amblyscirtes hegon



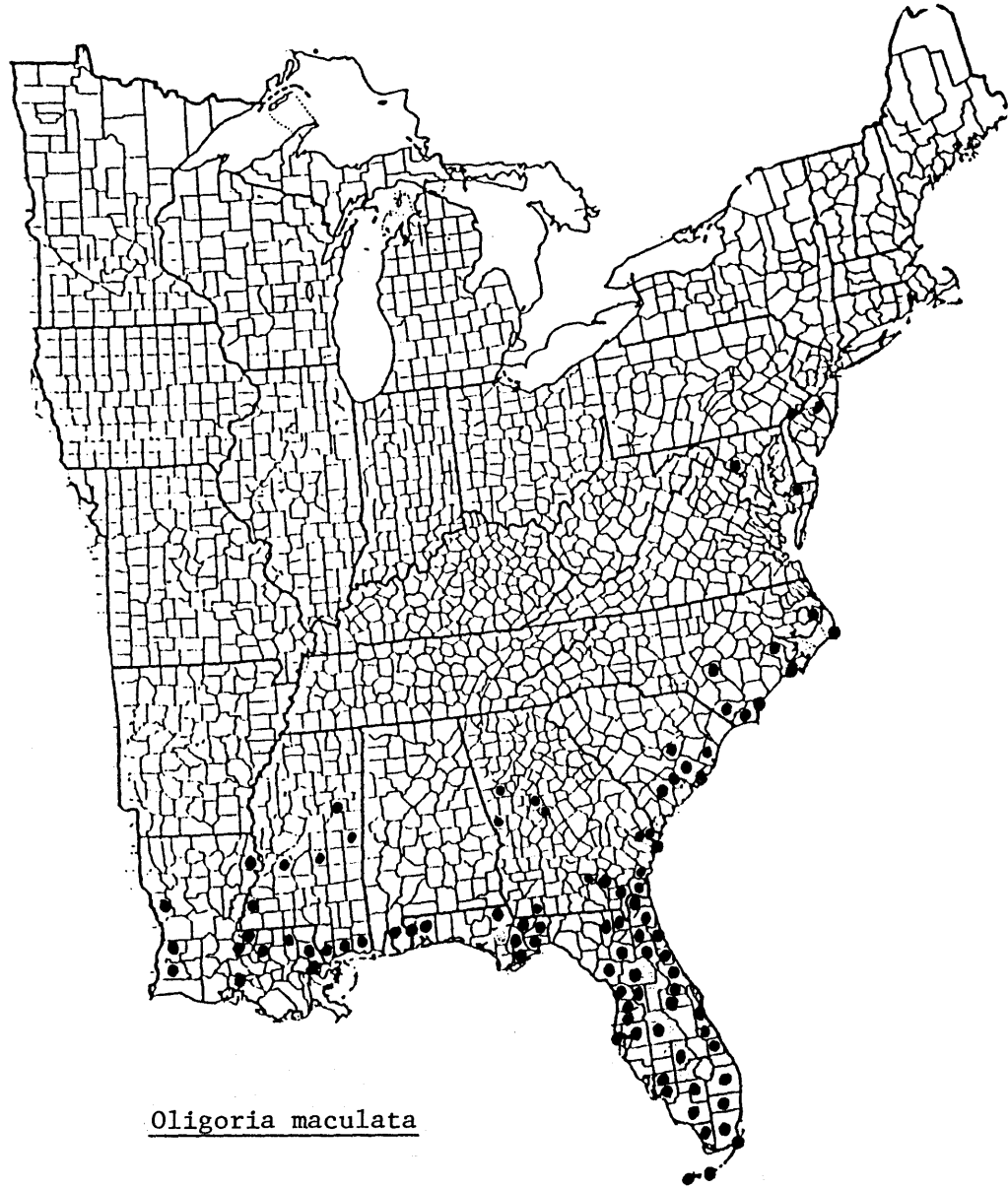
Amblyscirtes nysa



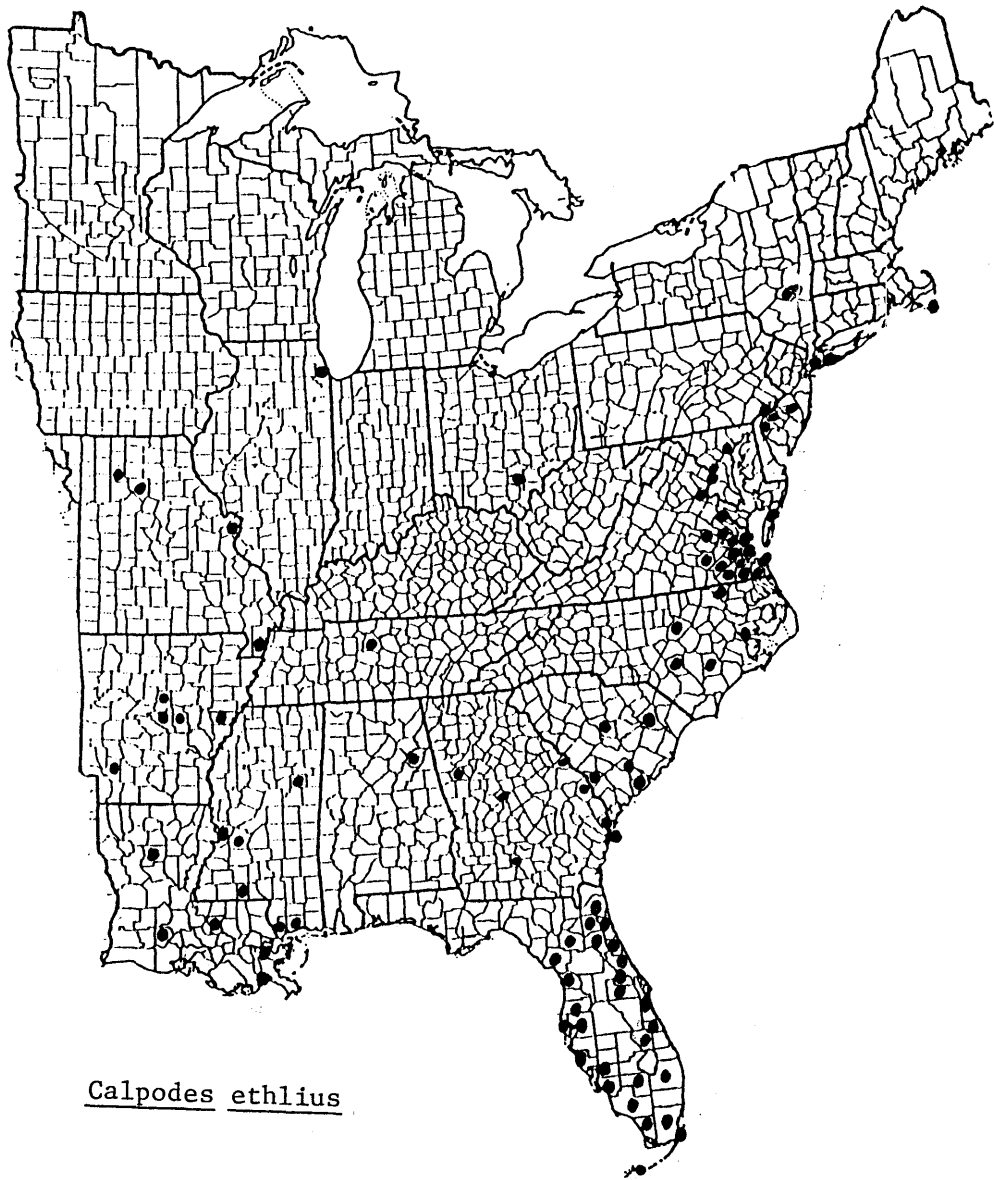
Amblyscirtes belli



Lerodea eufala

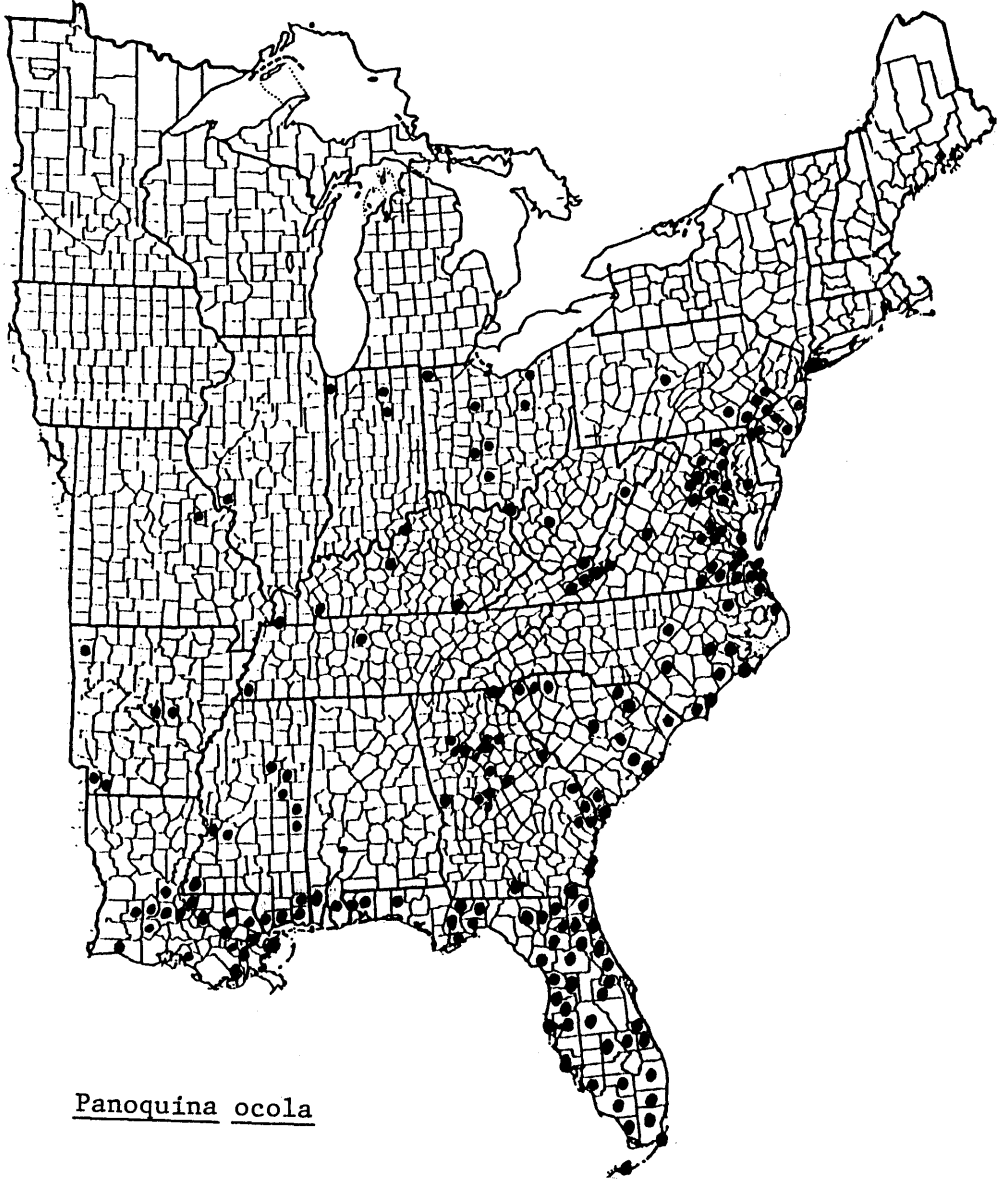


Oligoria maculata

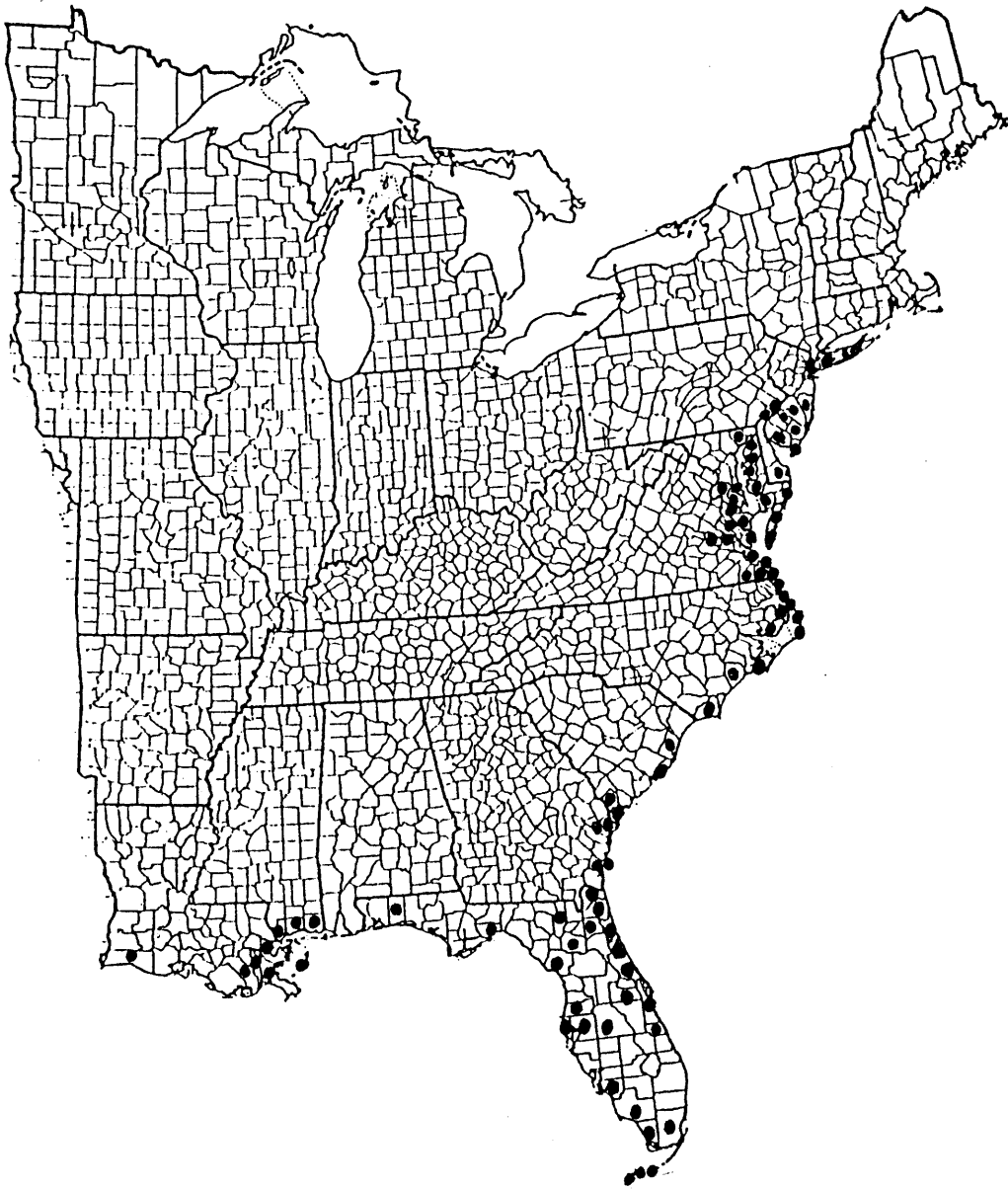


Calpodes ethlius

Nyctelius nyctelius
N Key Largo
V-10-74



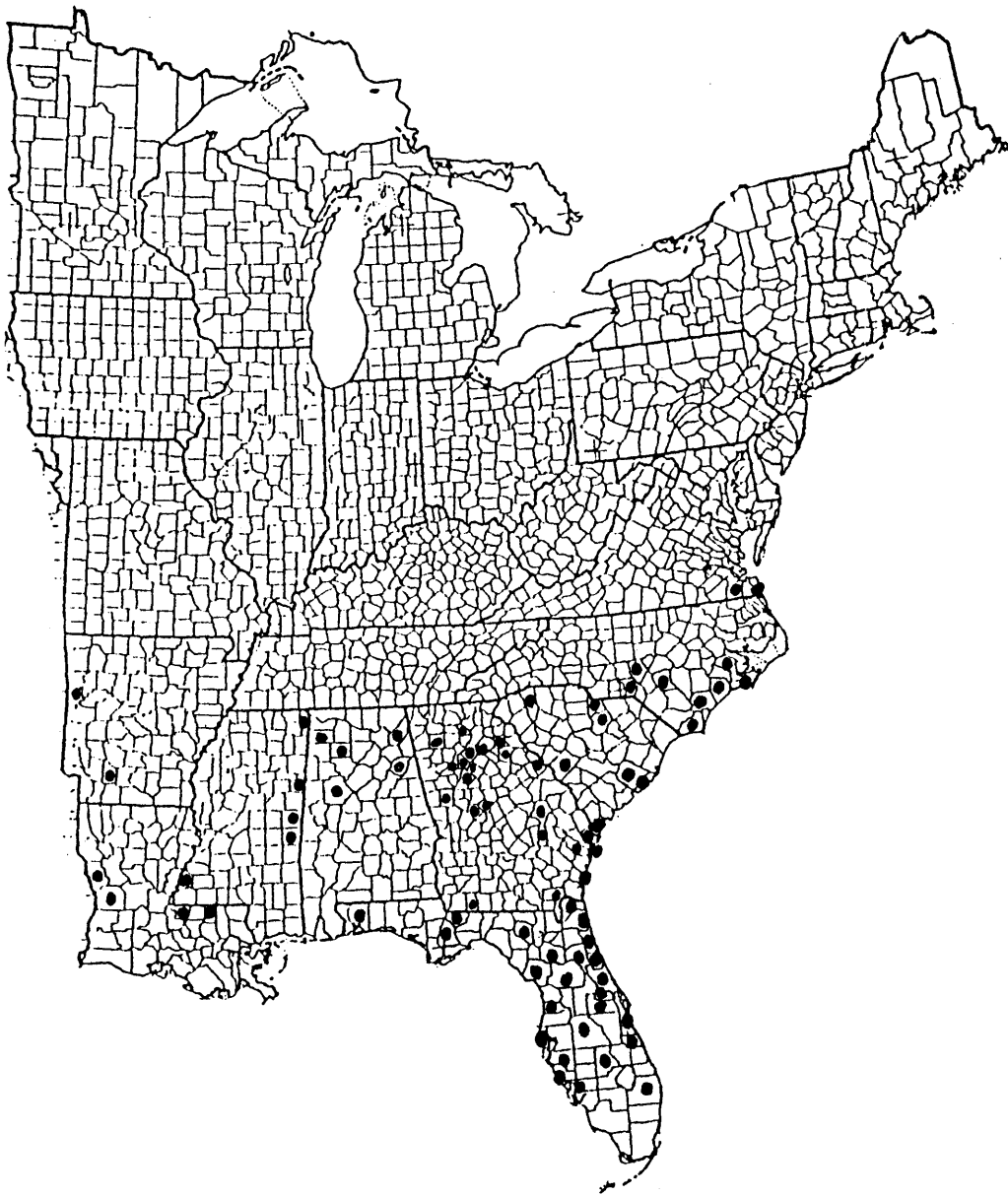
Panoquina ocola



Panoquina panoquin



Panoquina panoquinoides



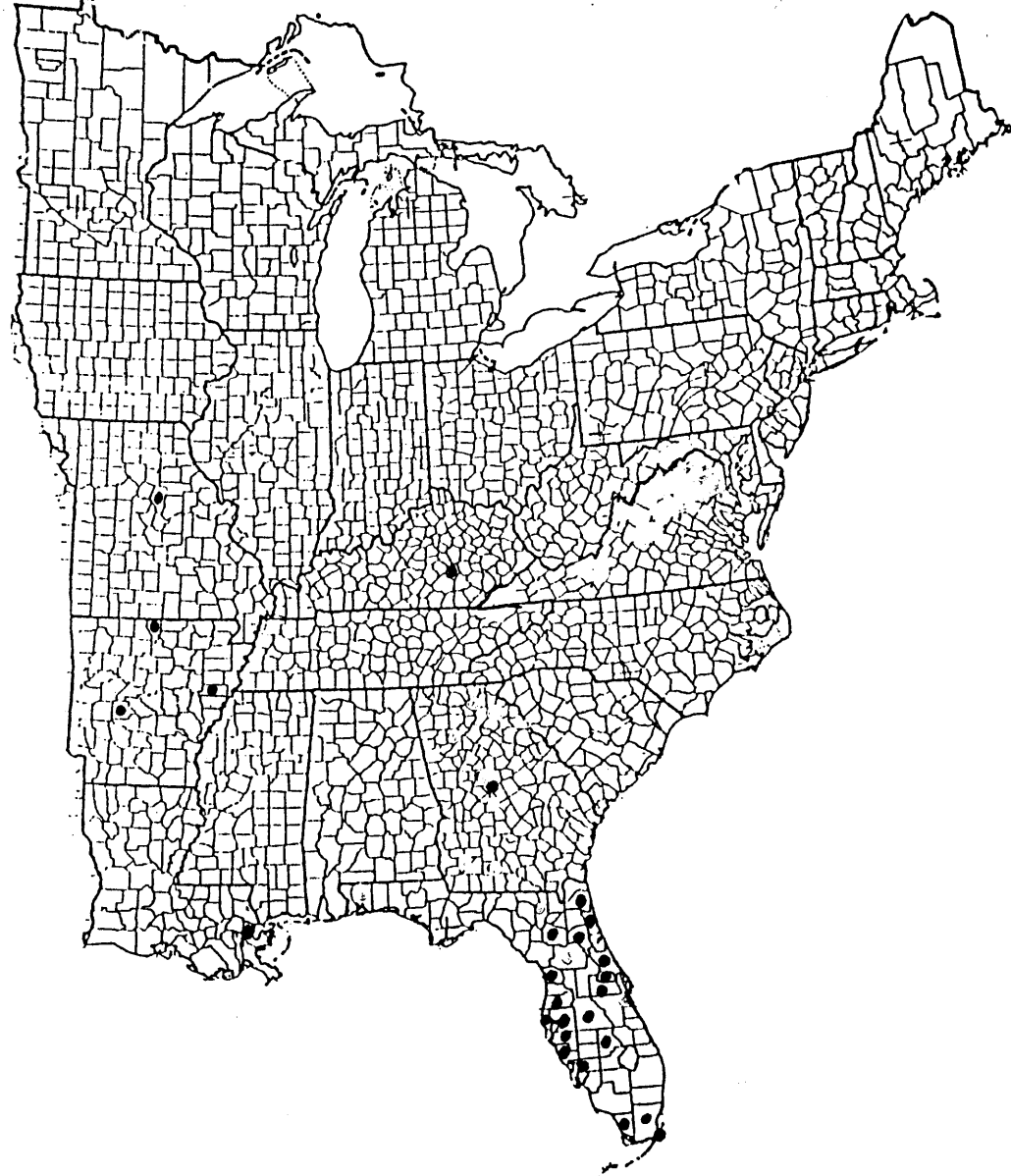
Megathymus yuccae



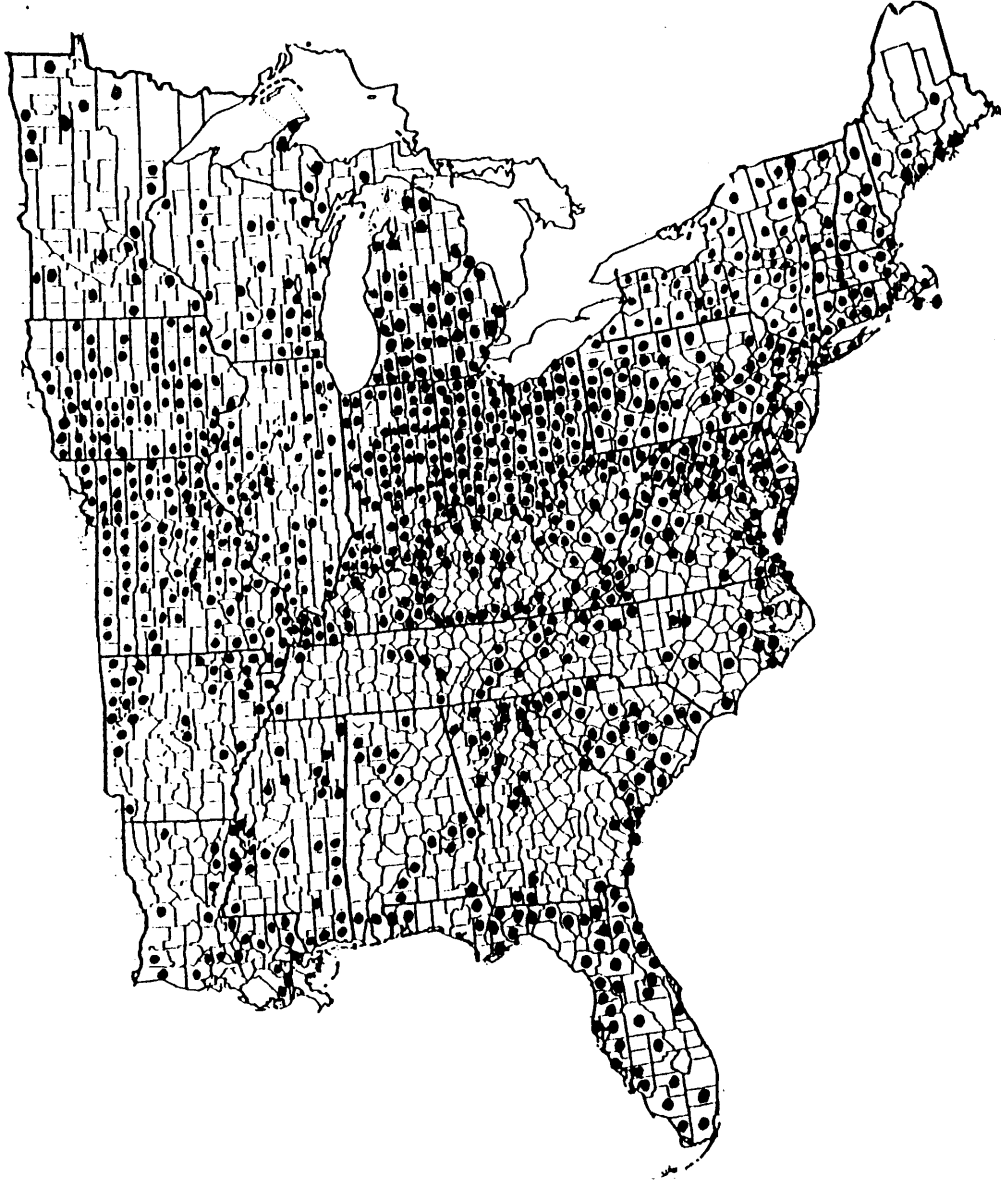
Megathymus cofaqui



Battus philenor



Battus polydamas lucayus



Papilio polyxenes asterias



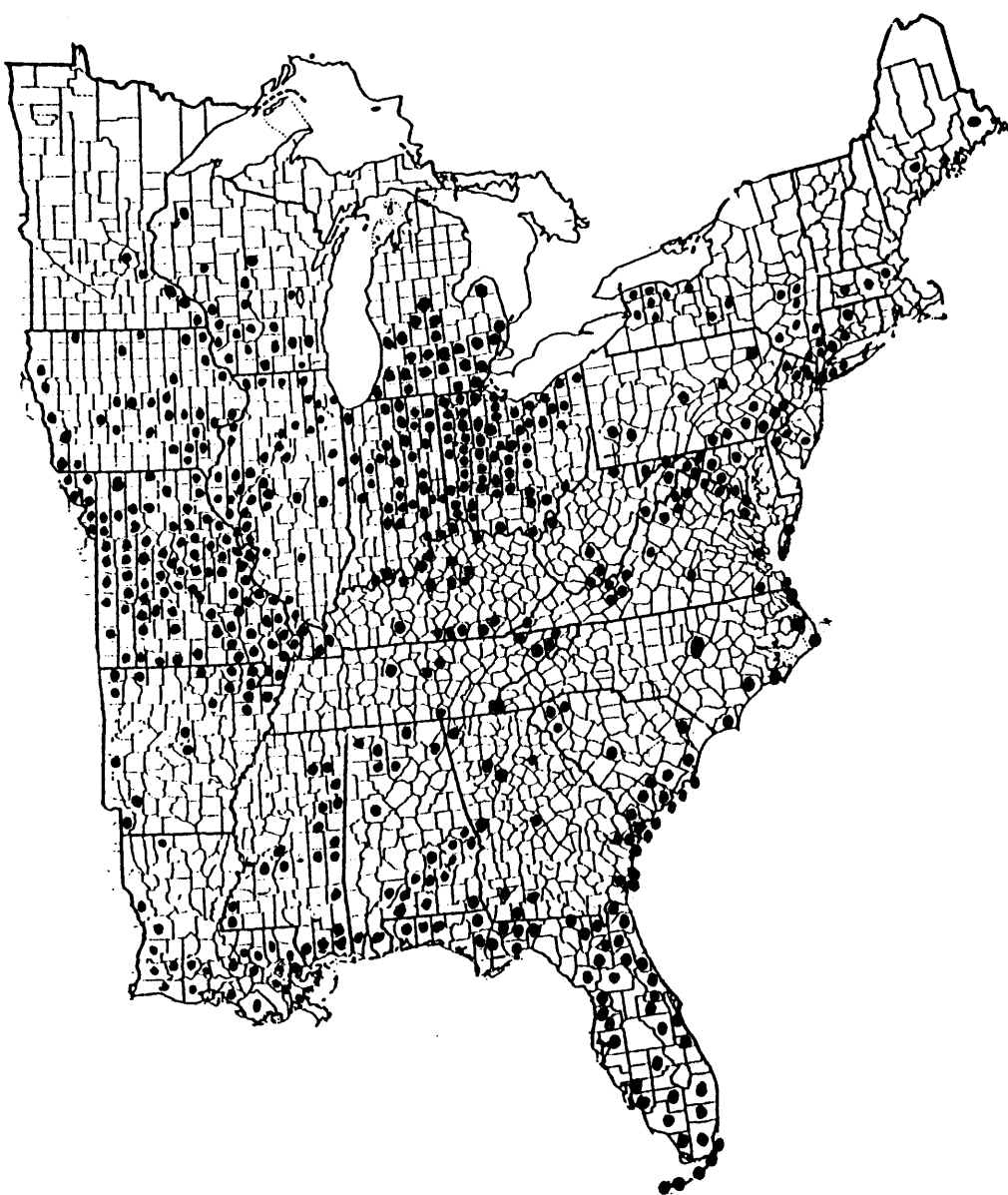
Papilio joanae



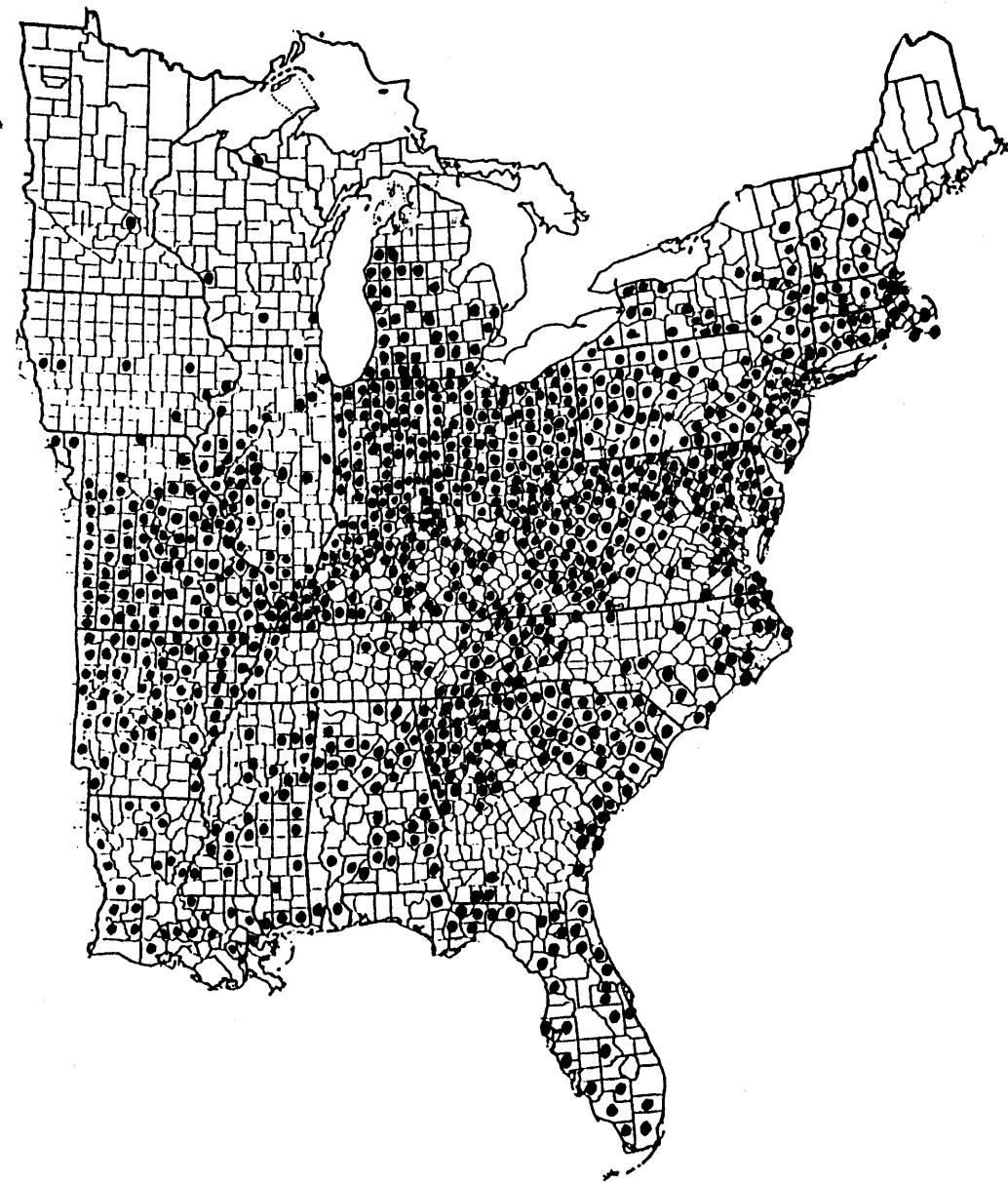
Papilio aristodemus ponceanus



Papilio andraemon bonhotei



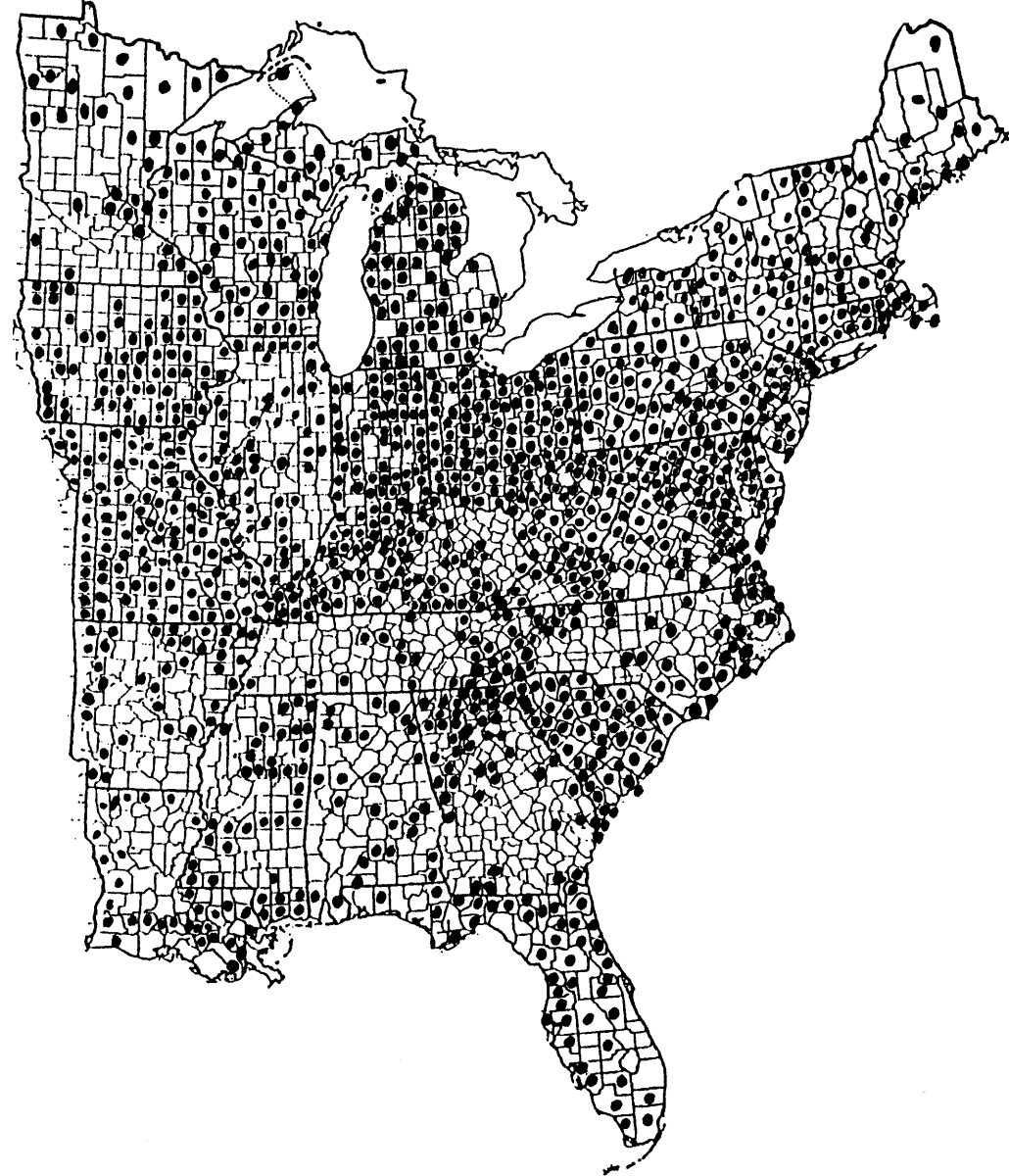
Papilio cresphontes



Papilio troilus



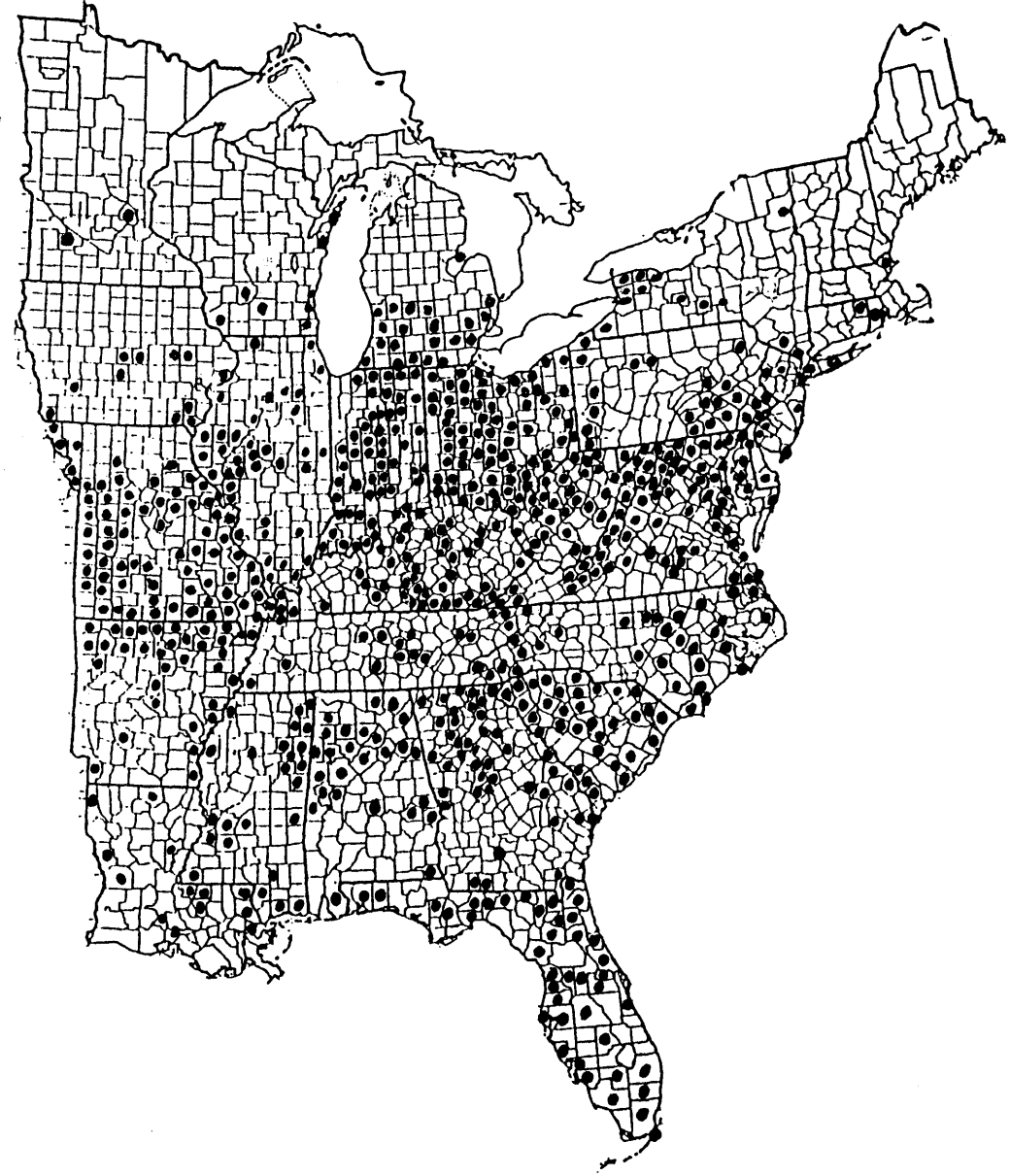
Papilio palamedes



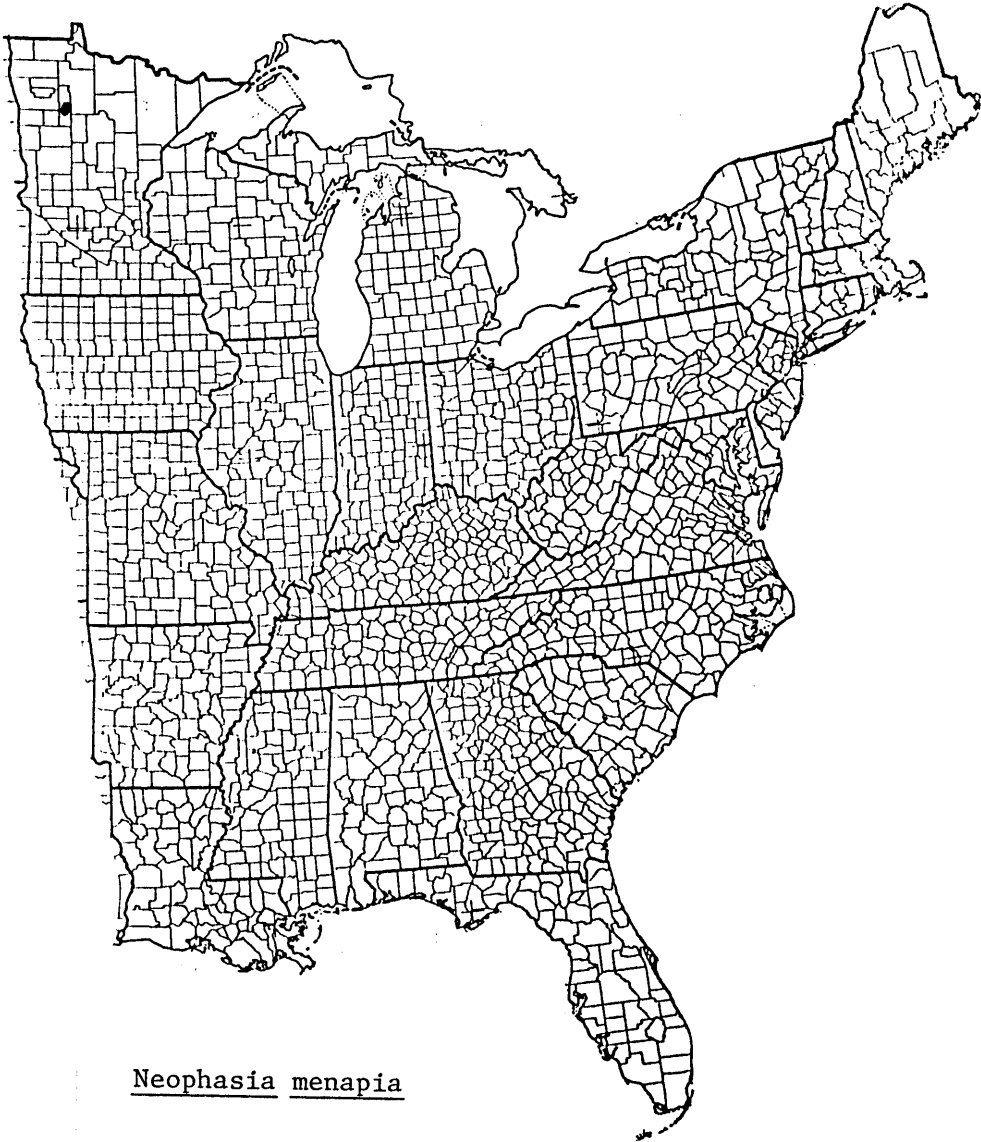
Papilio glaucus



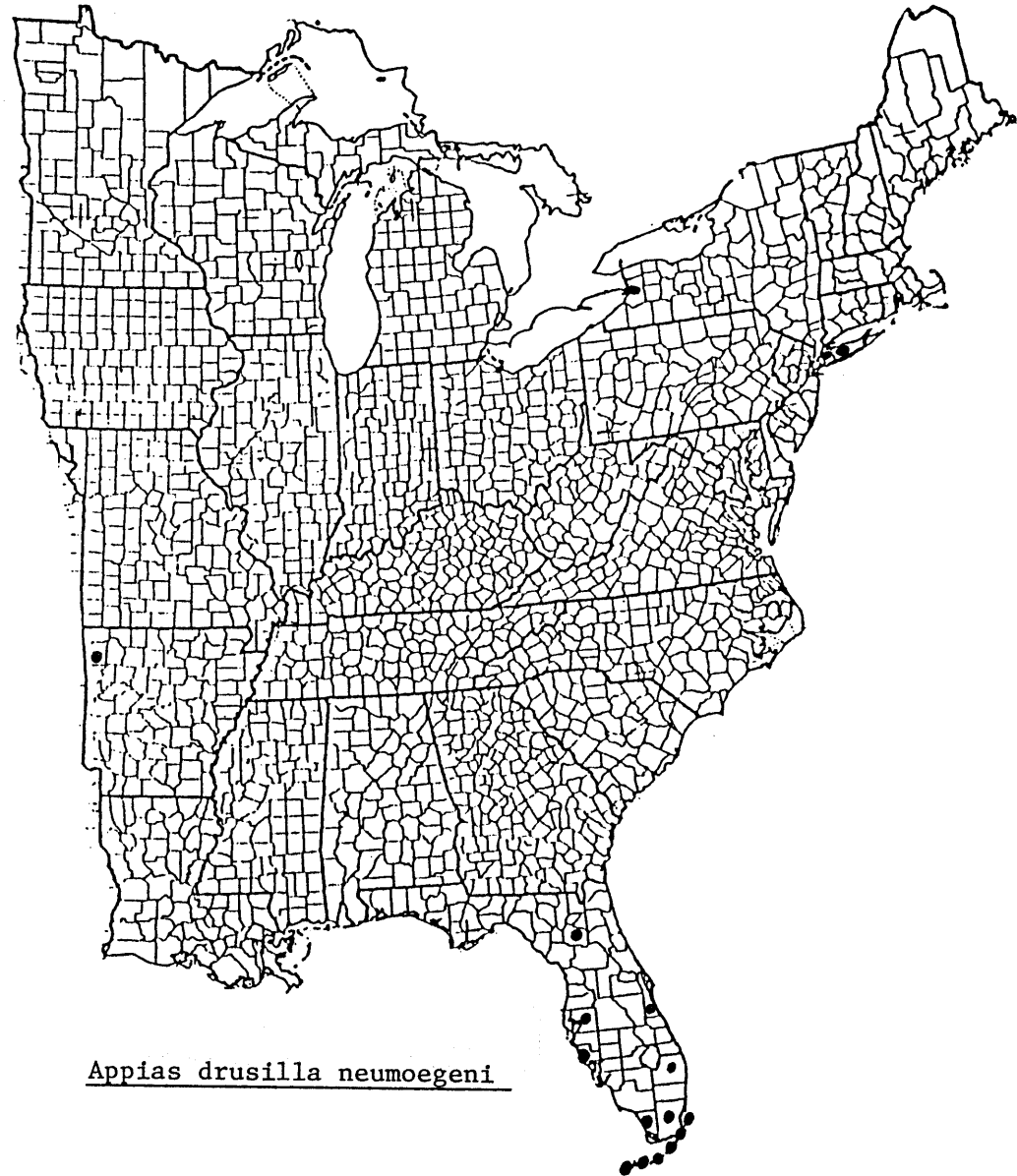
Papilio androgeus epidaurus



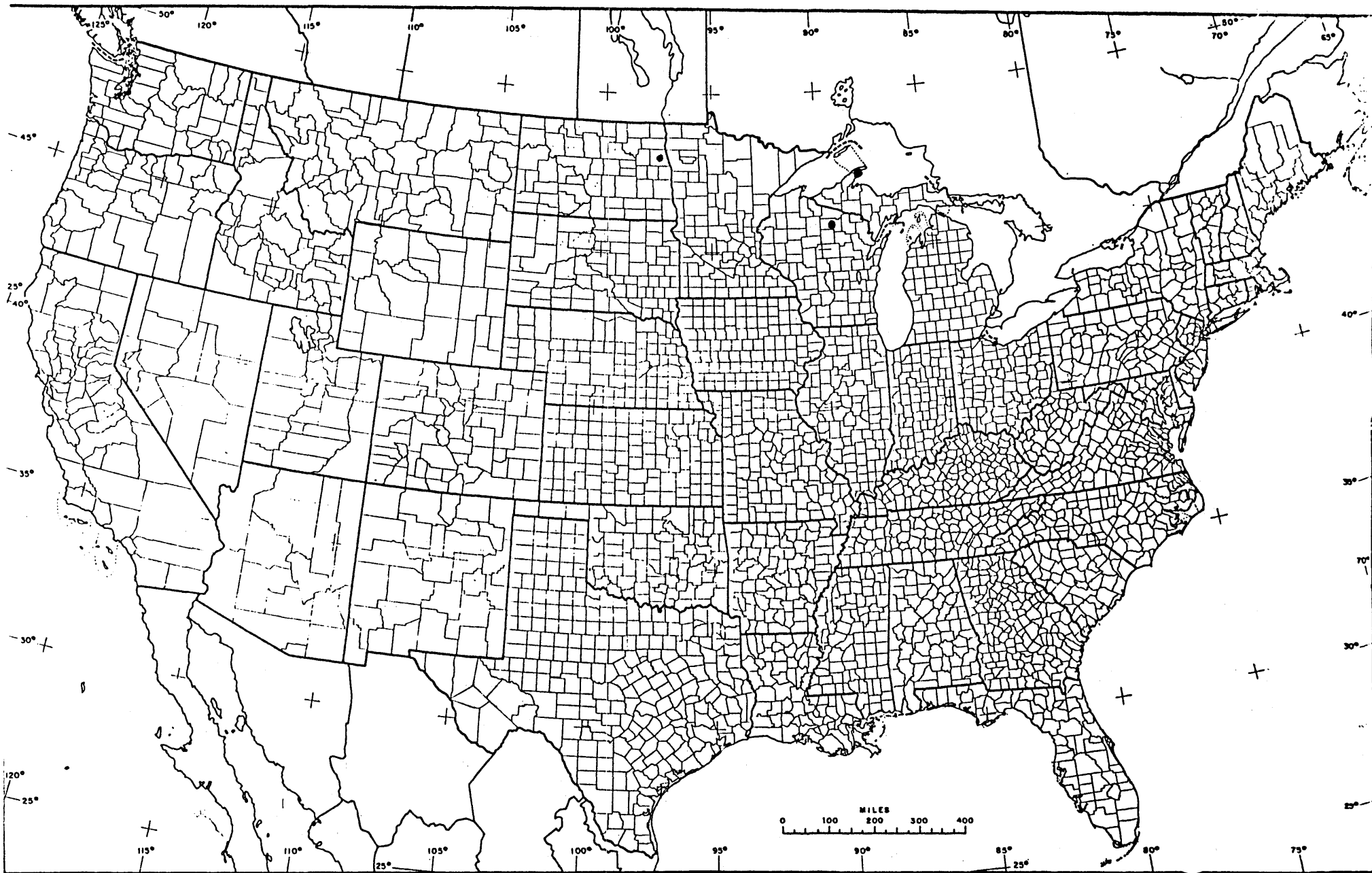
Eurytides marcellus



Neophasia menapia



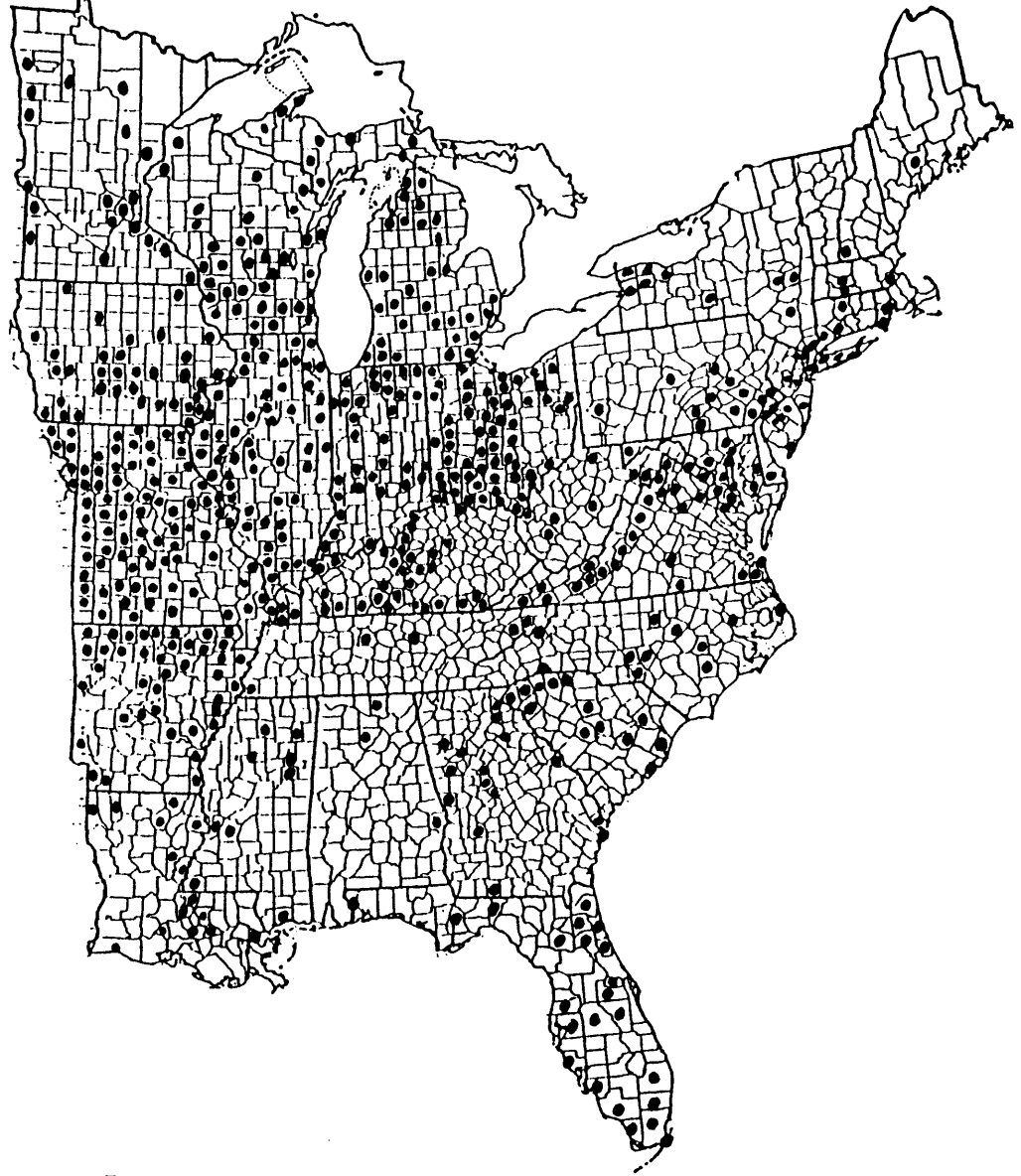
Appias drusilla neumogeni



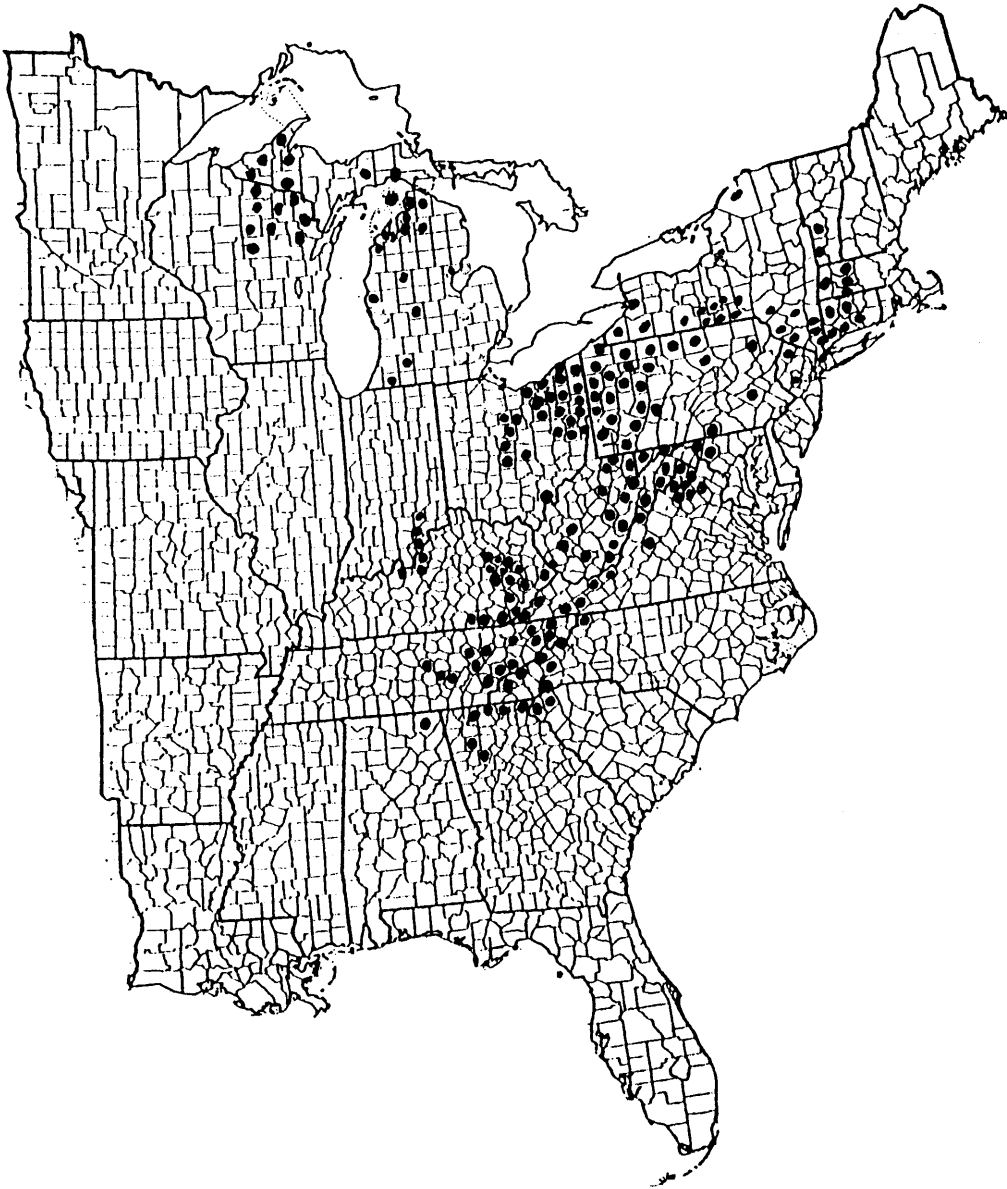
Pontia occidentalis



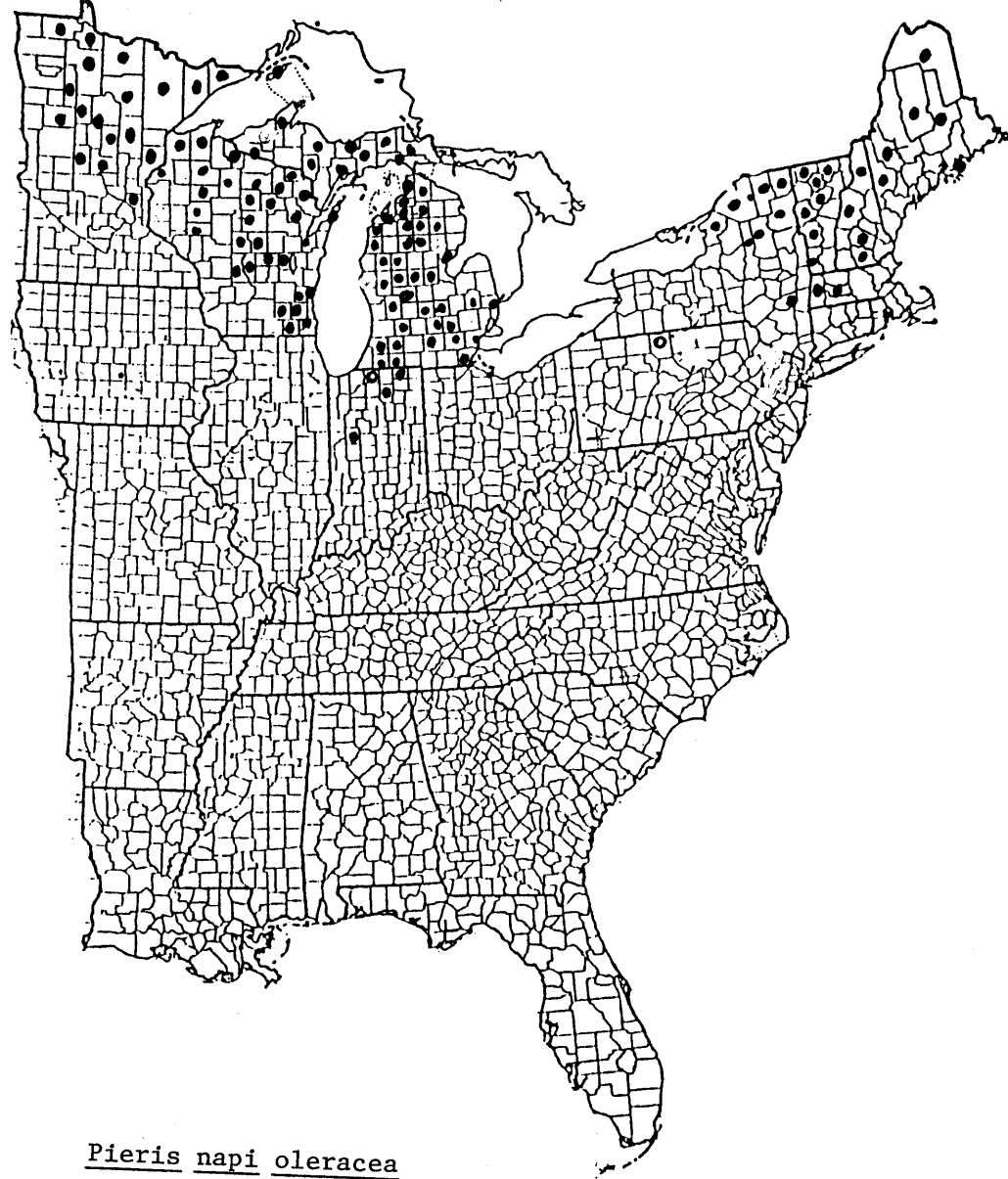
Pieris rapae



Pontia protodice

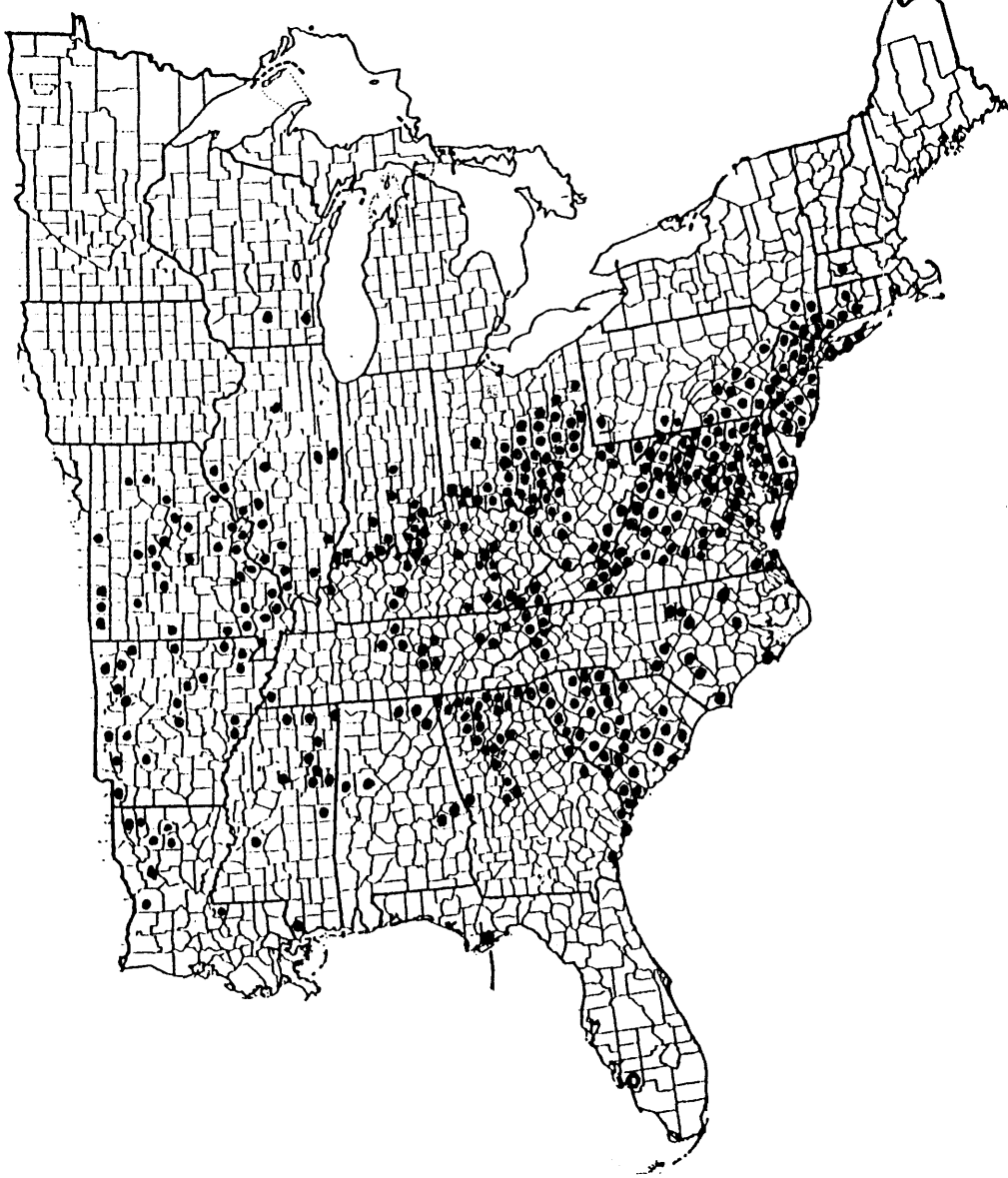


Pieris virginiensis

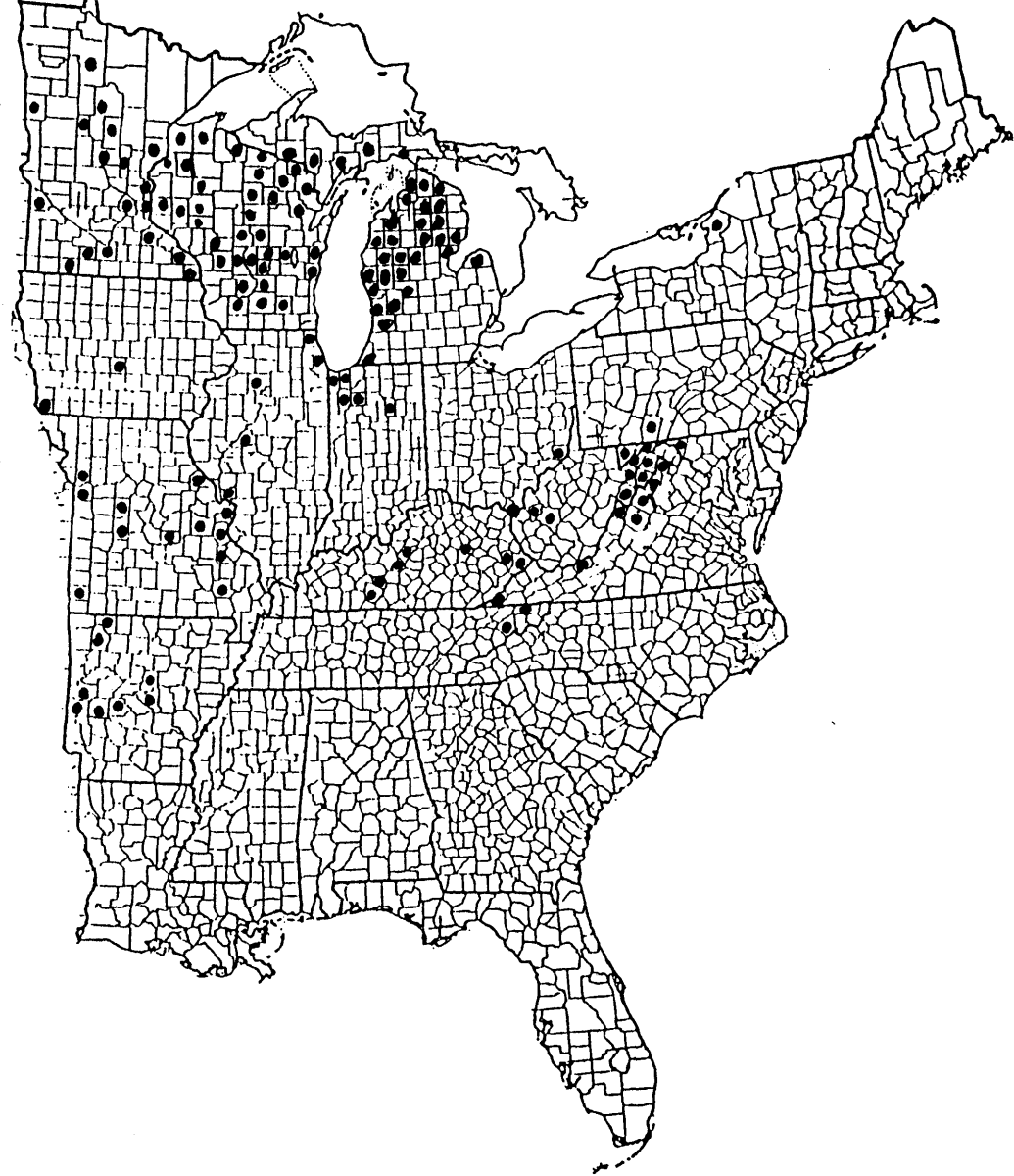


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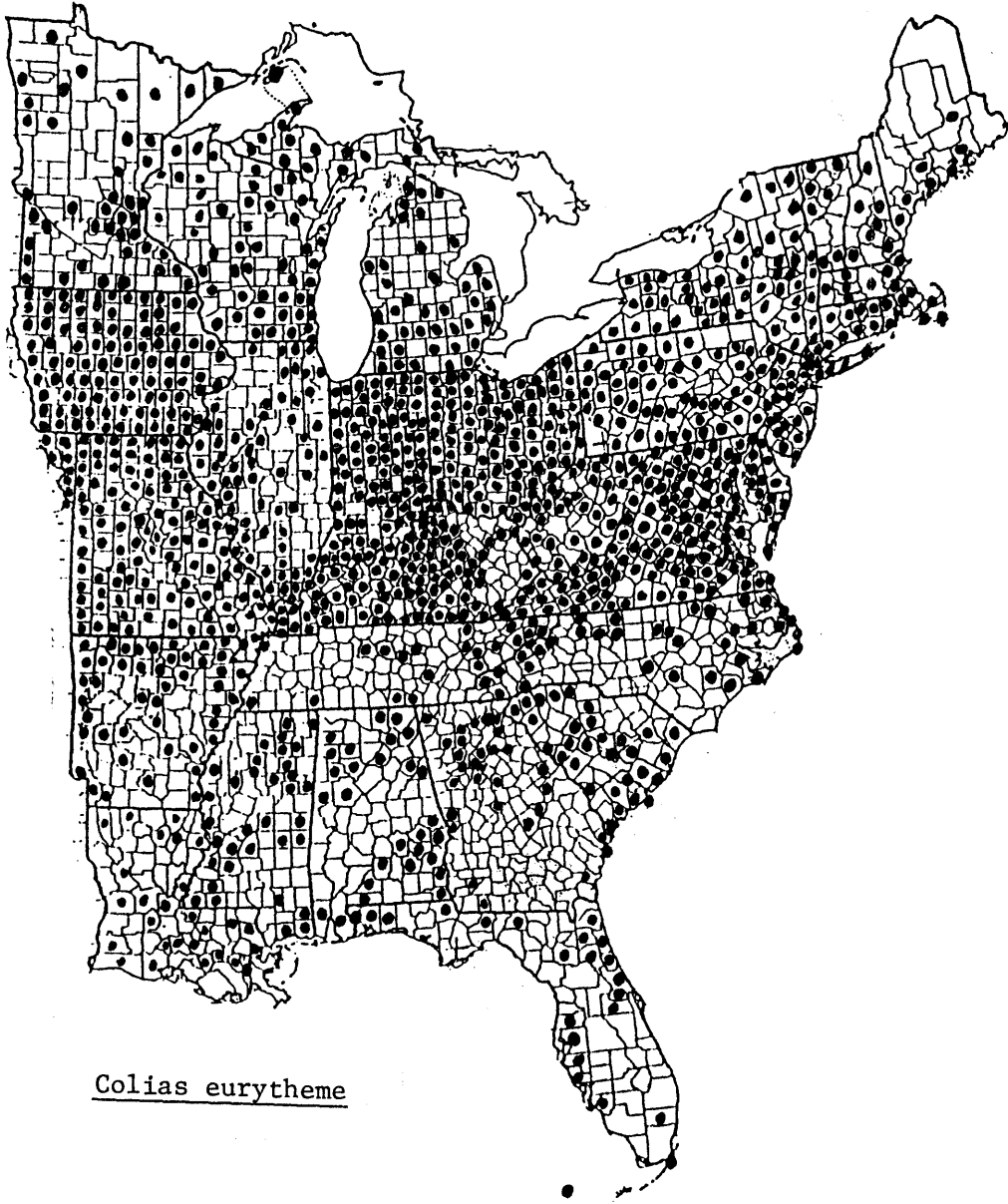




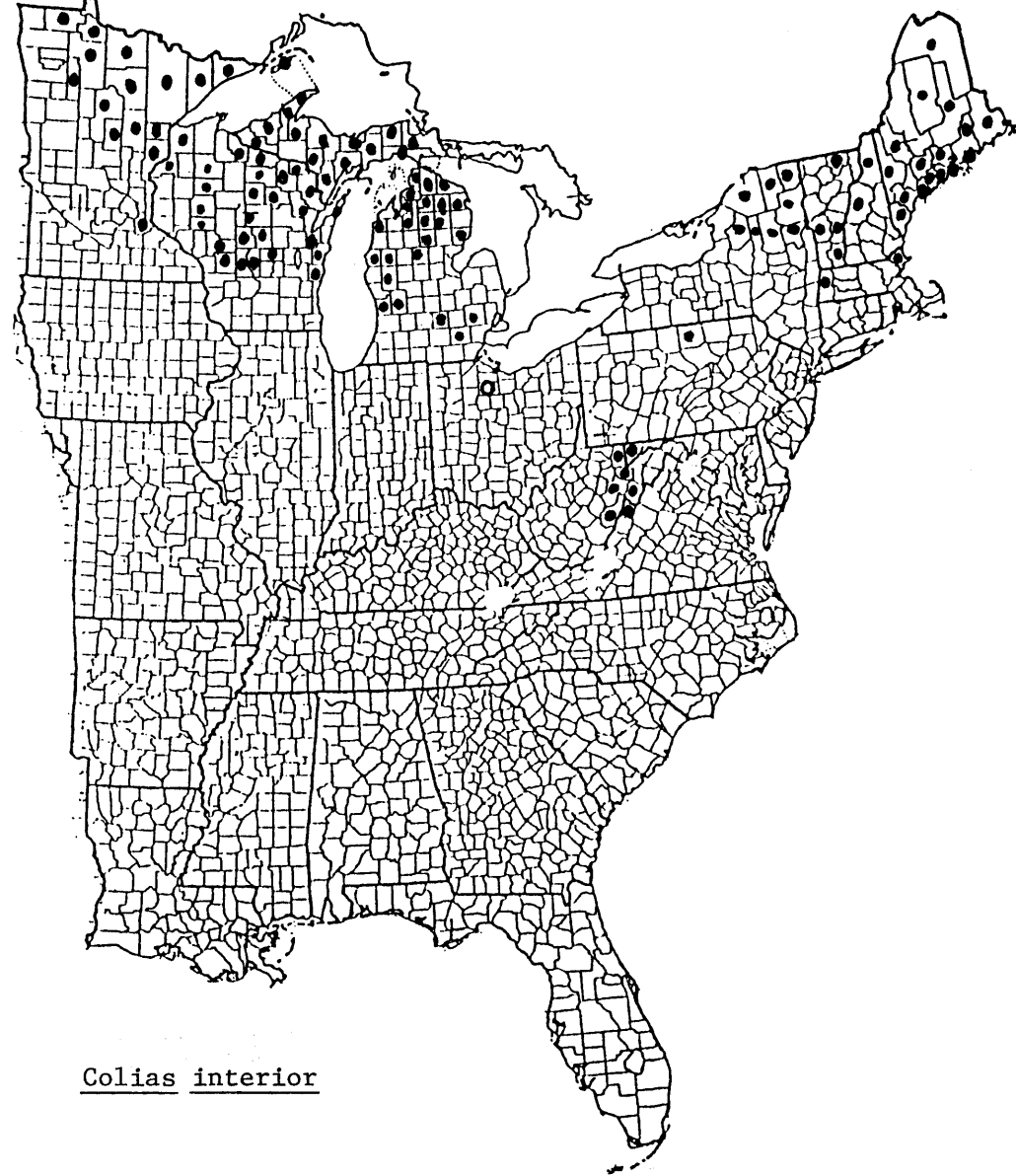
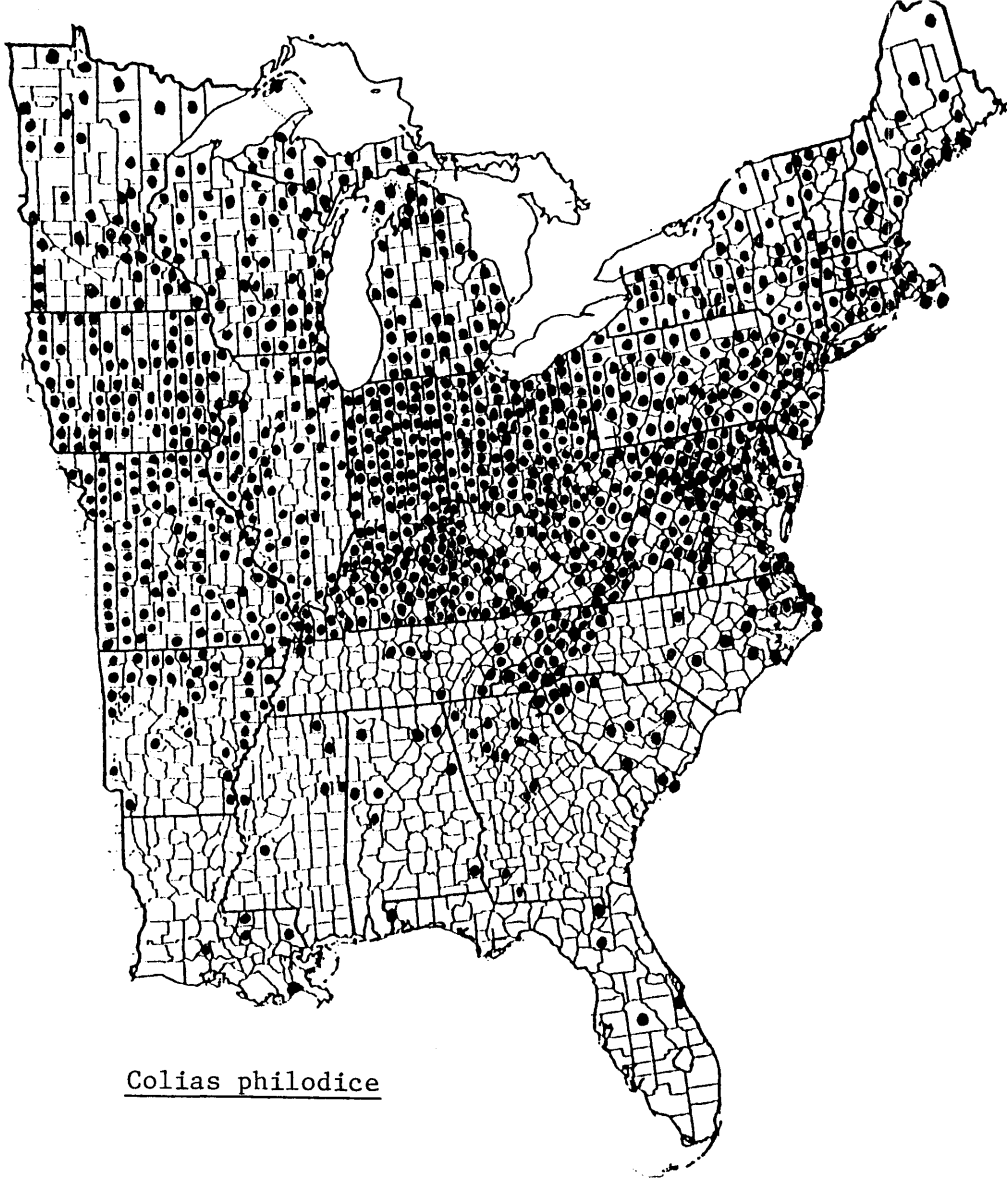
Anthocharis midea



Euchloe olympia

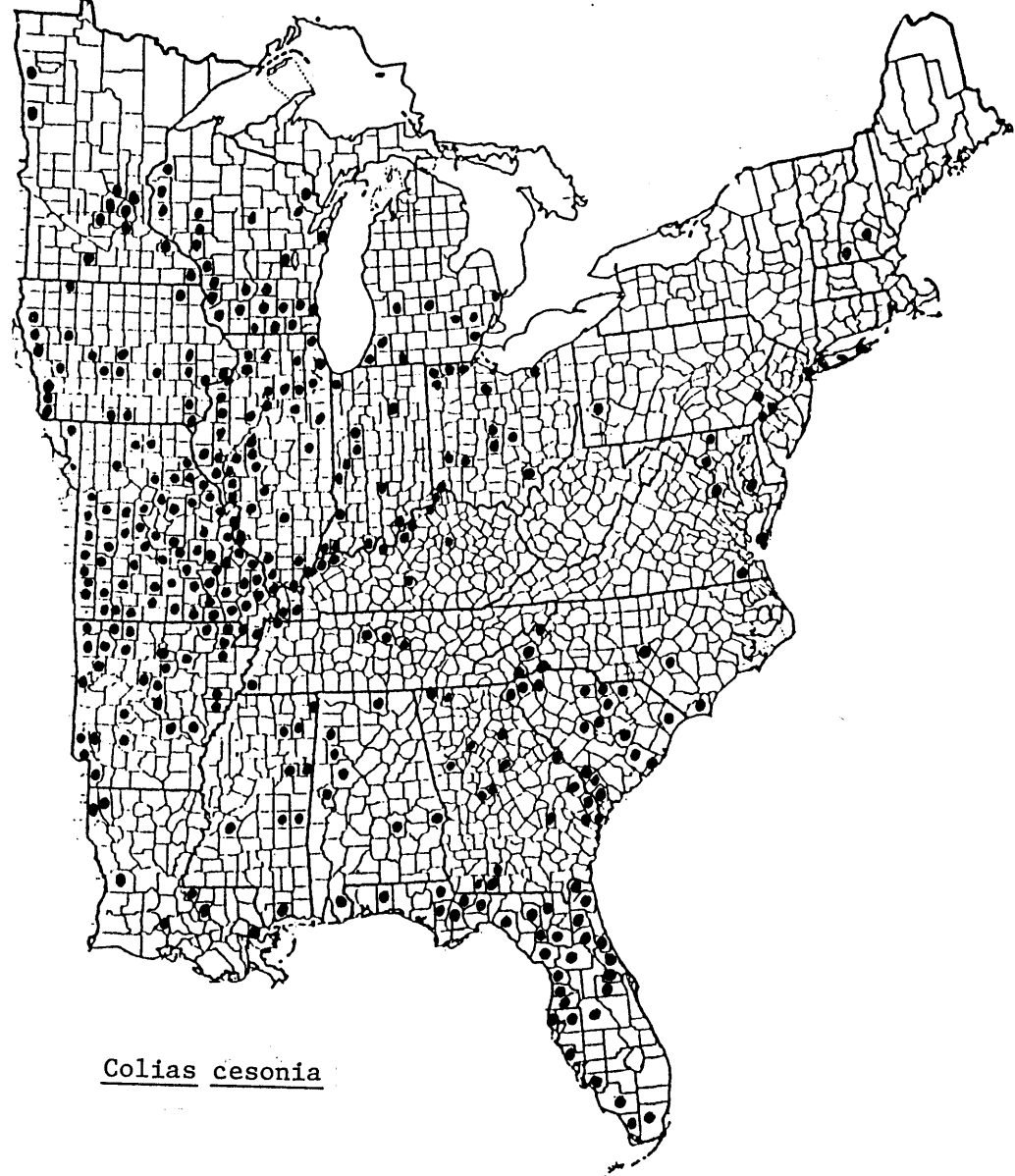


Colias eurytheme





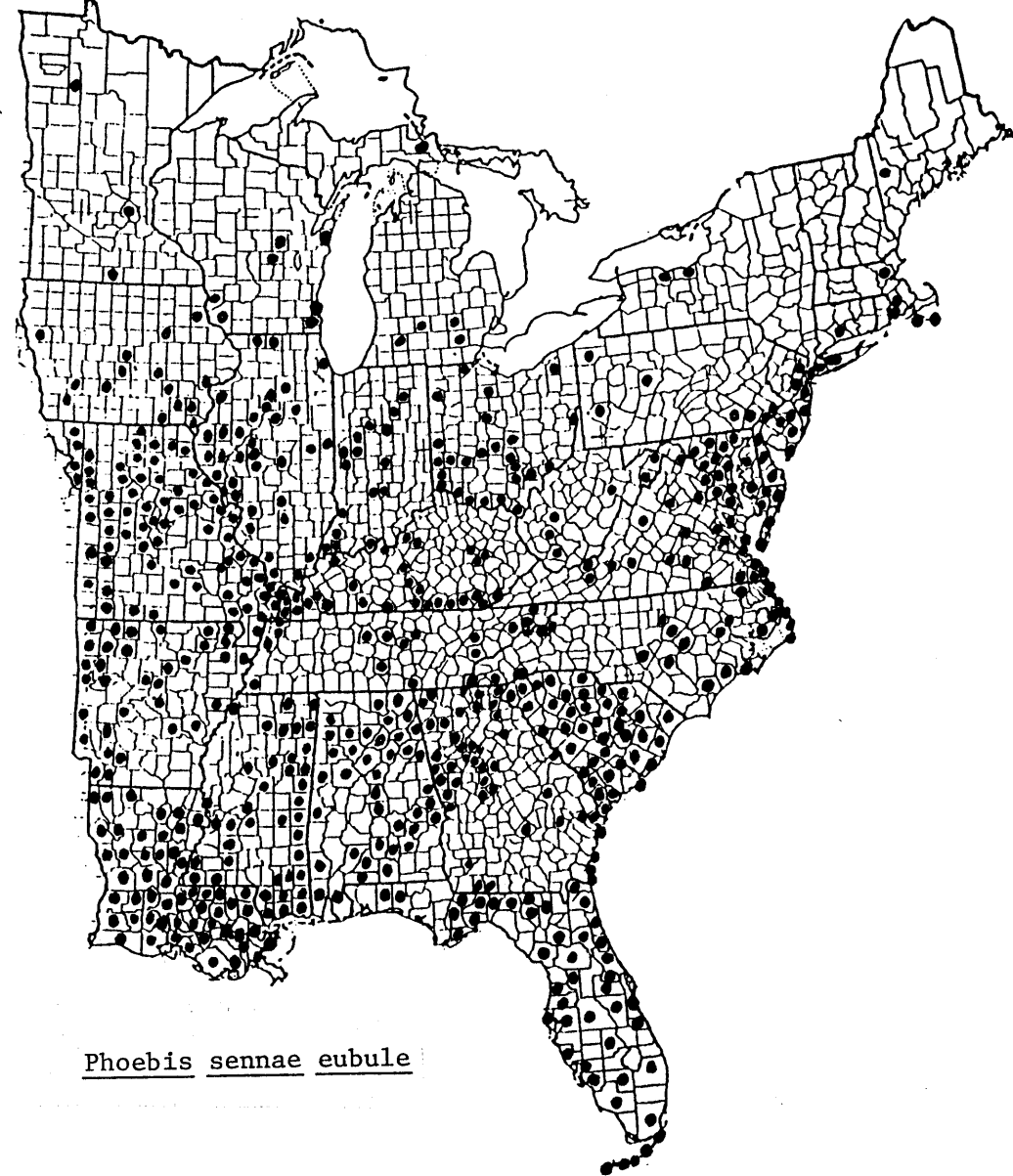
Colias gigantea



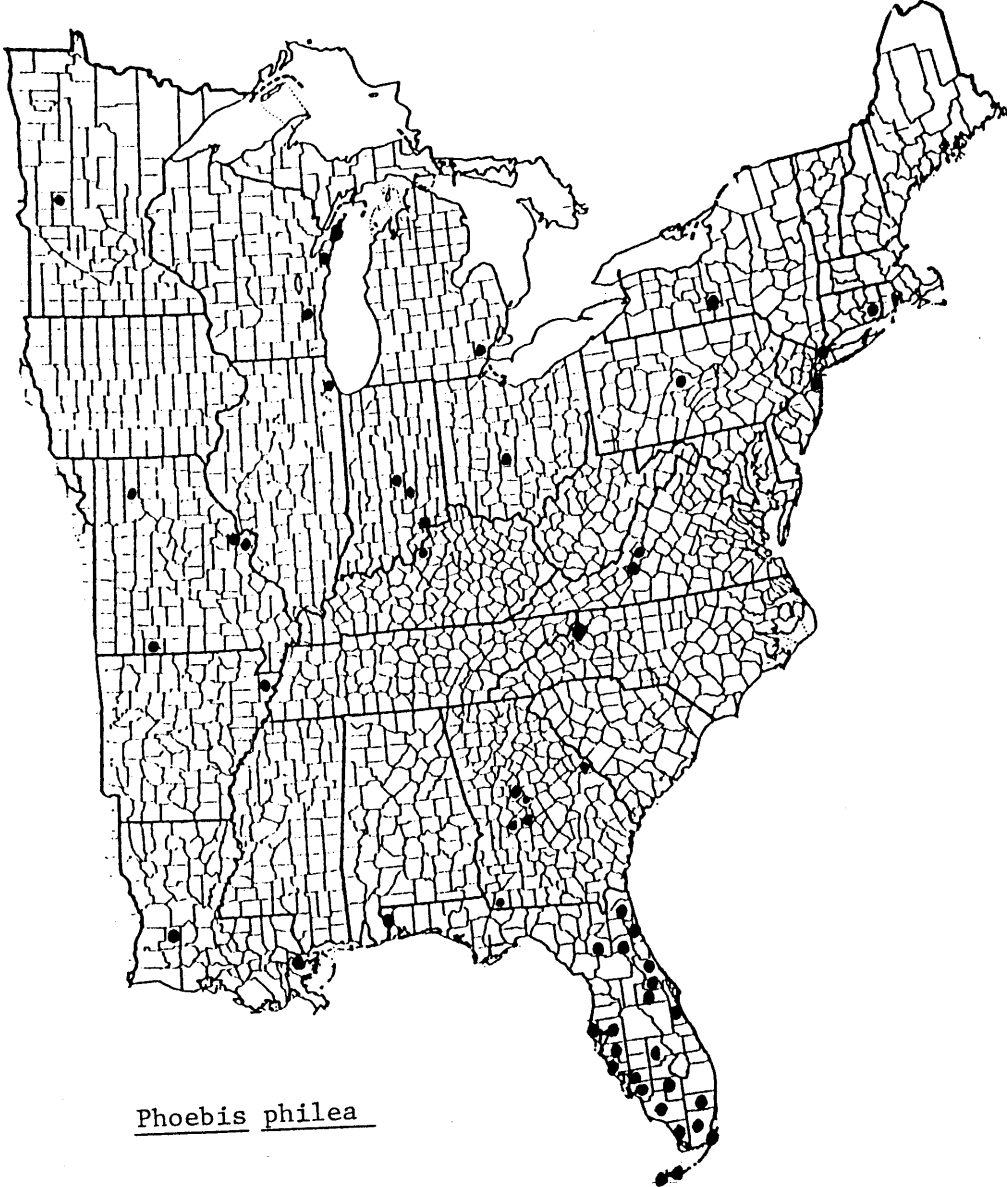
Colias cesonia



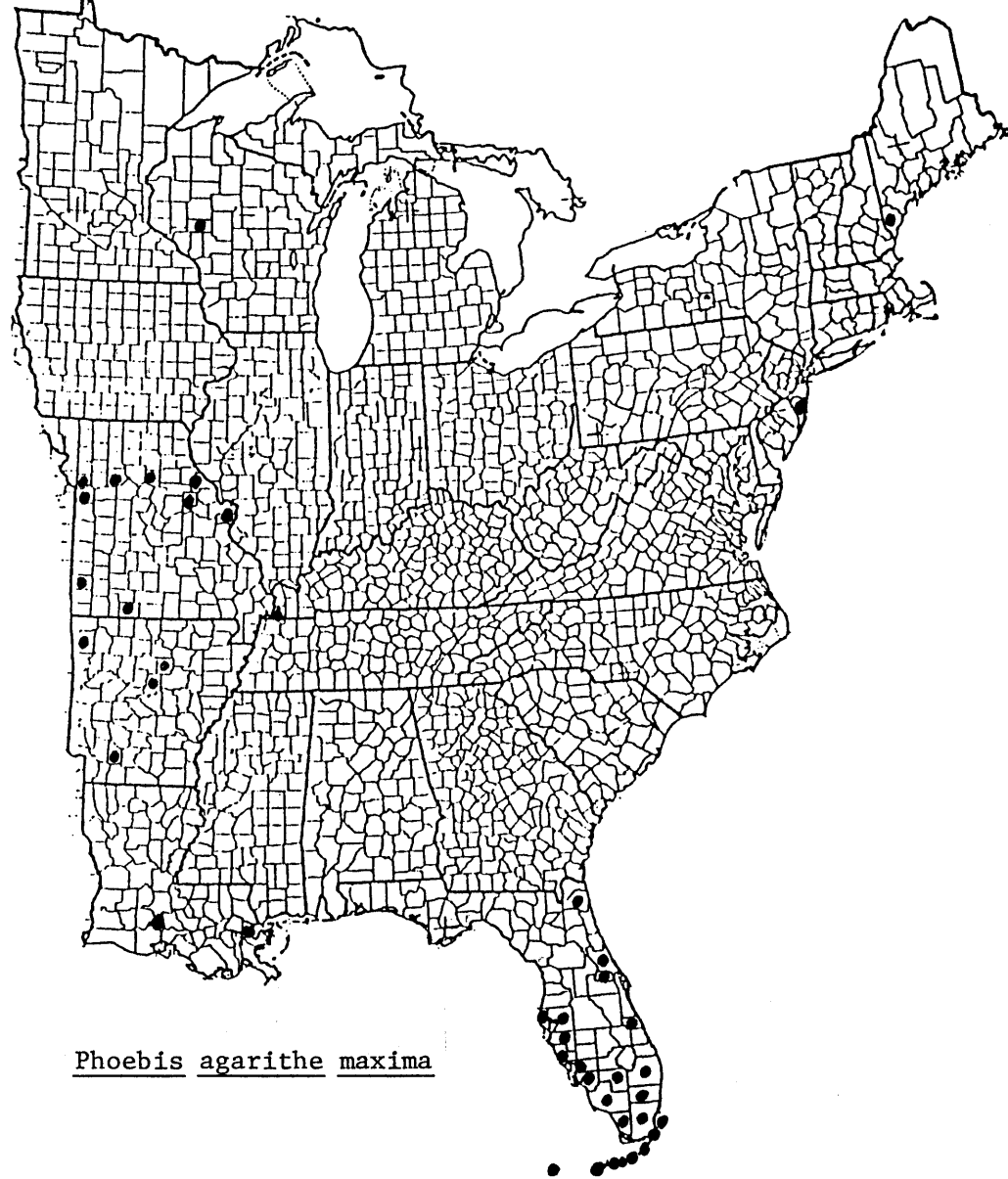
Anteos maerula



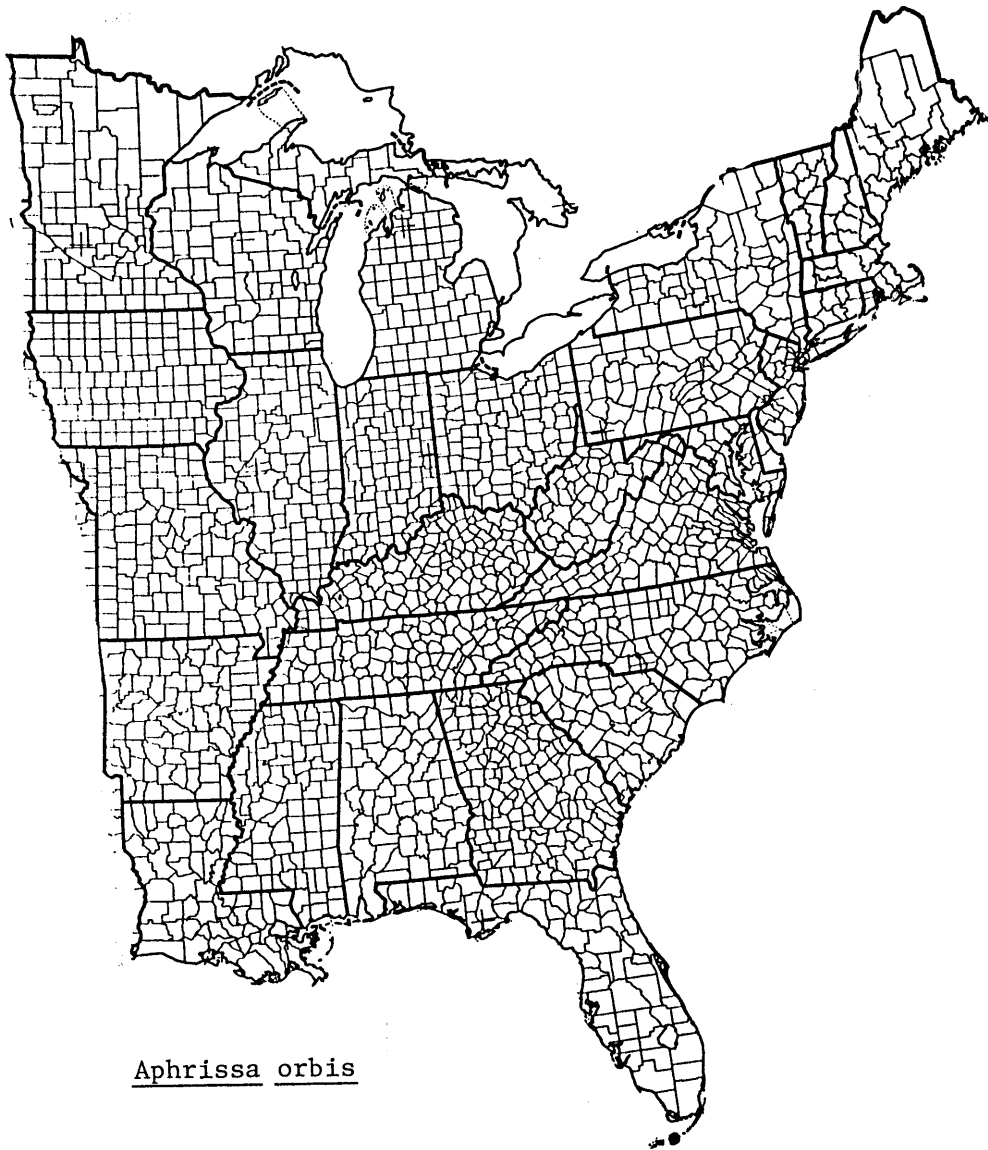
Phoebis sennae eubule



Phoebe philea



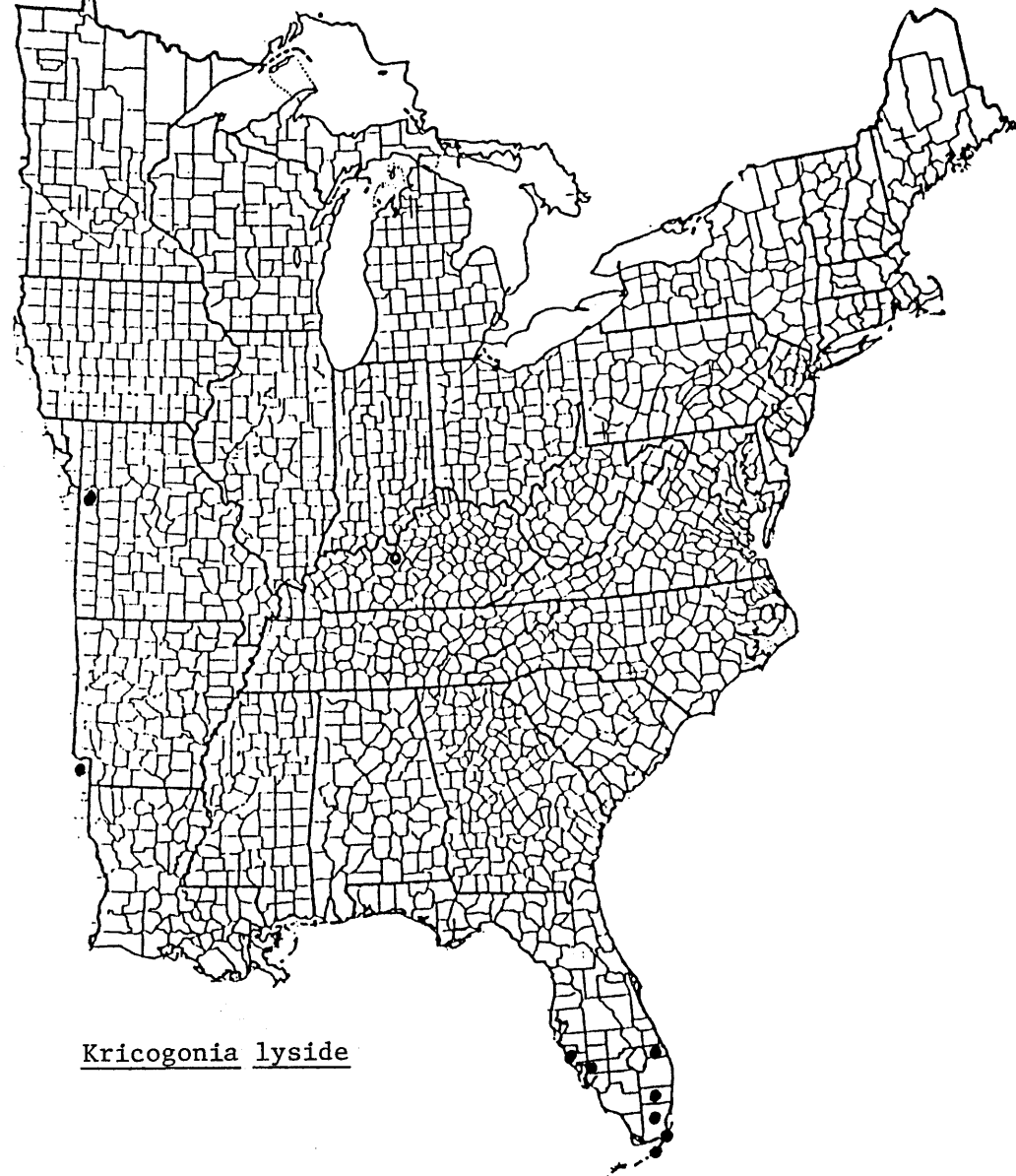
Phoebe agariathe maxima



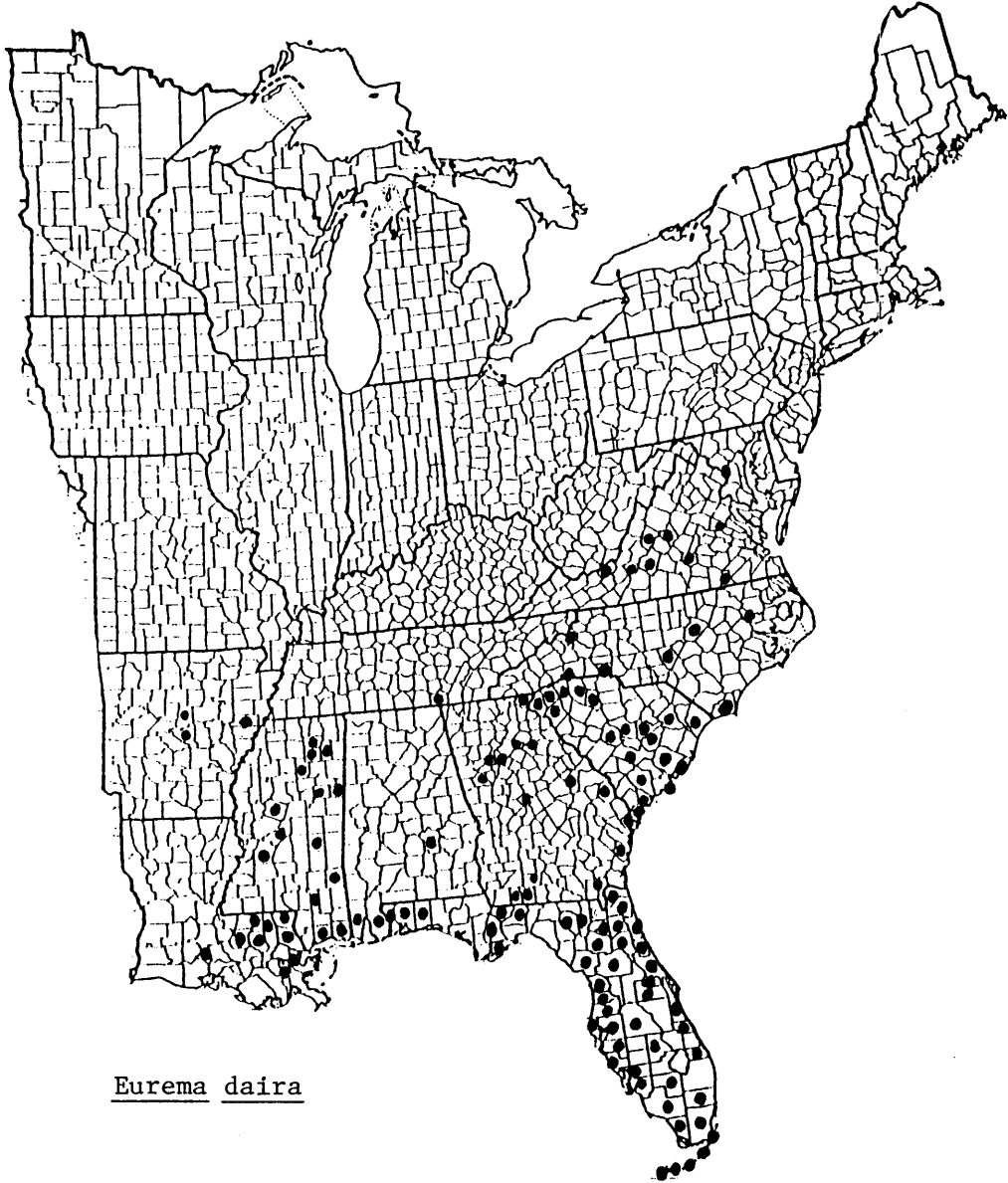
Aphrissa orbis



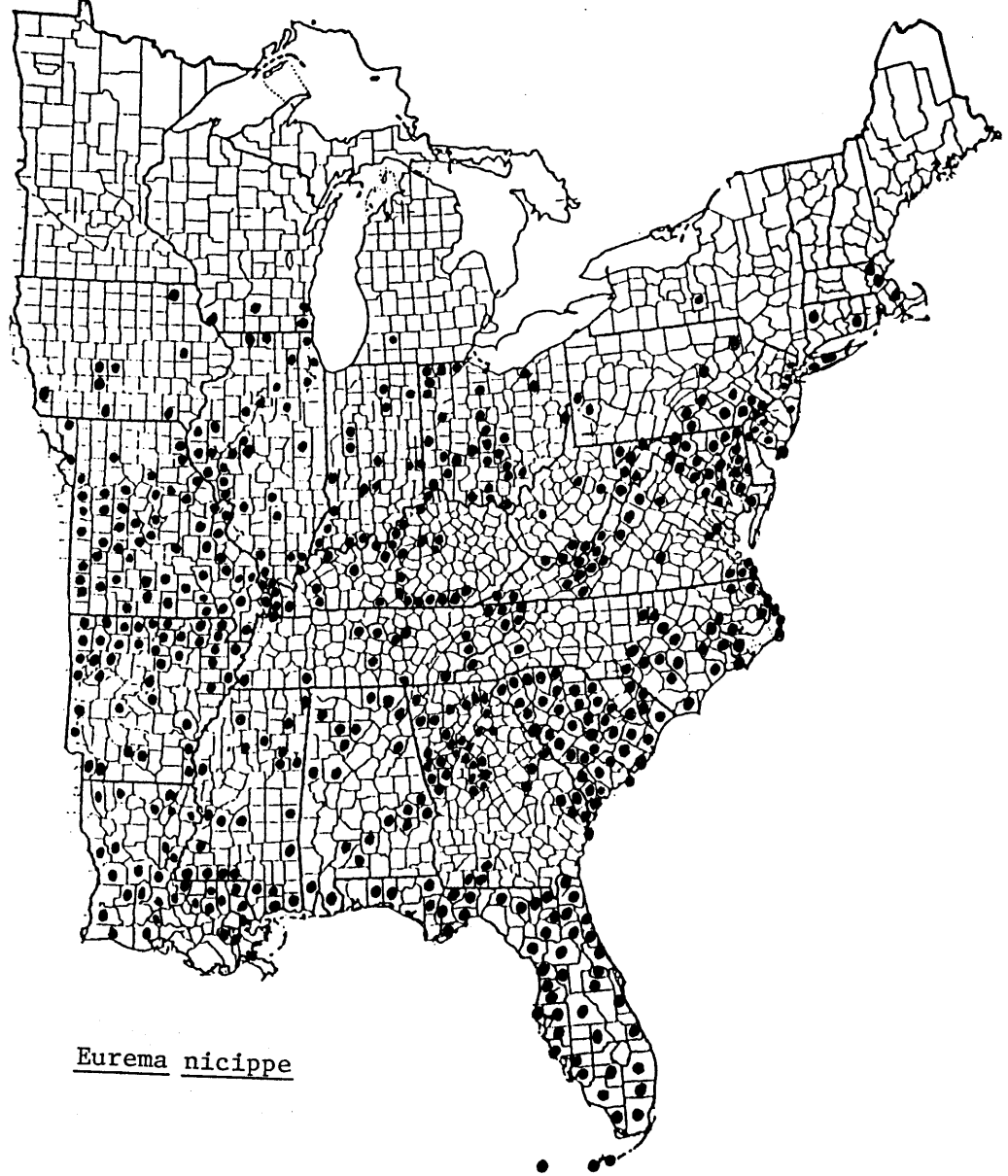
Aphrissa statira floridensis



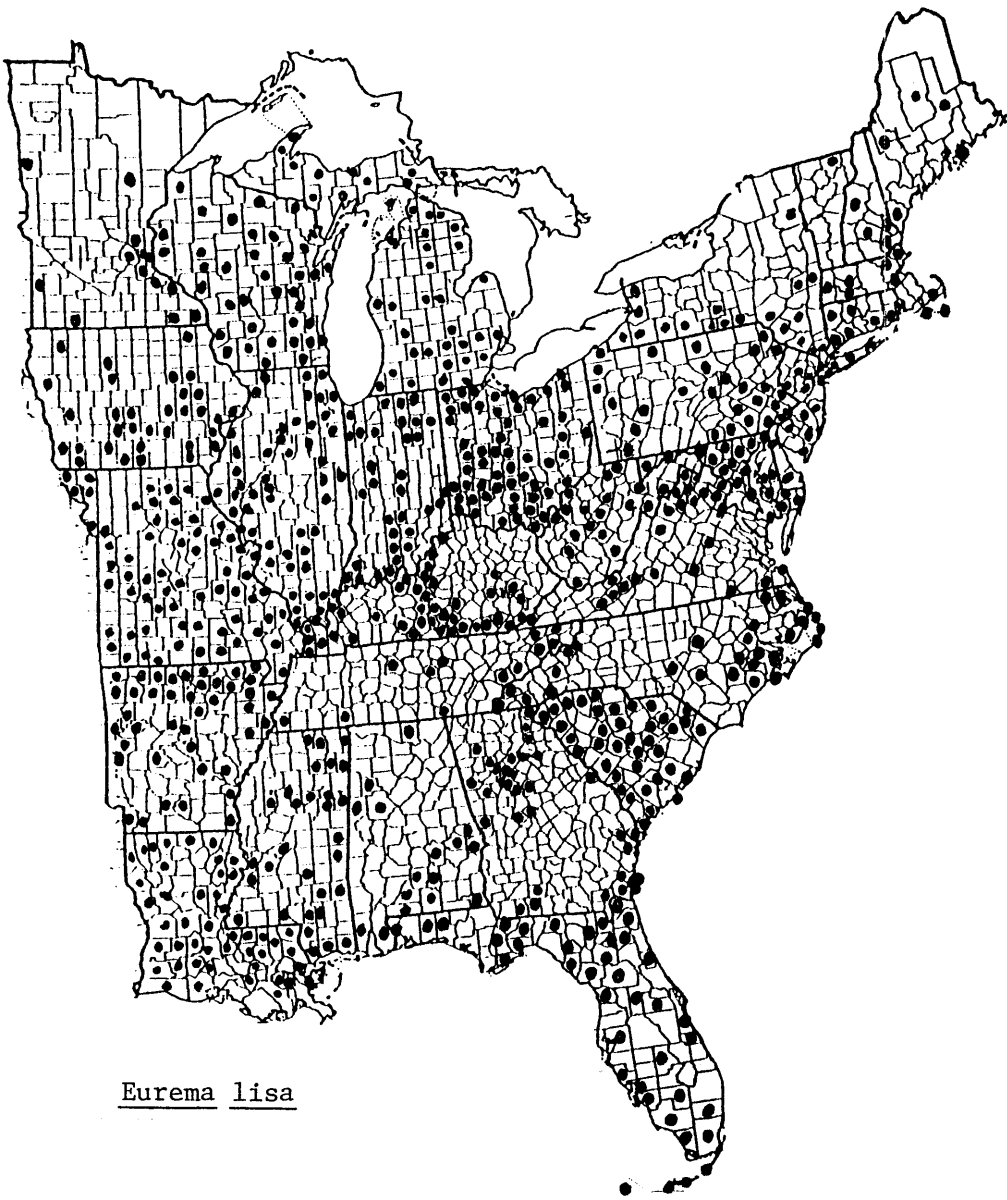
Kricogonia lyside



Eurema दौरा



Eurema नीपे



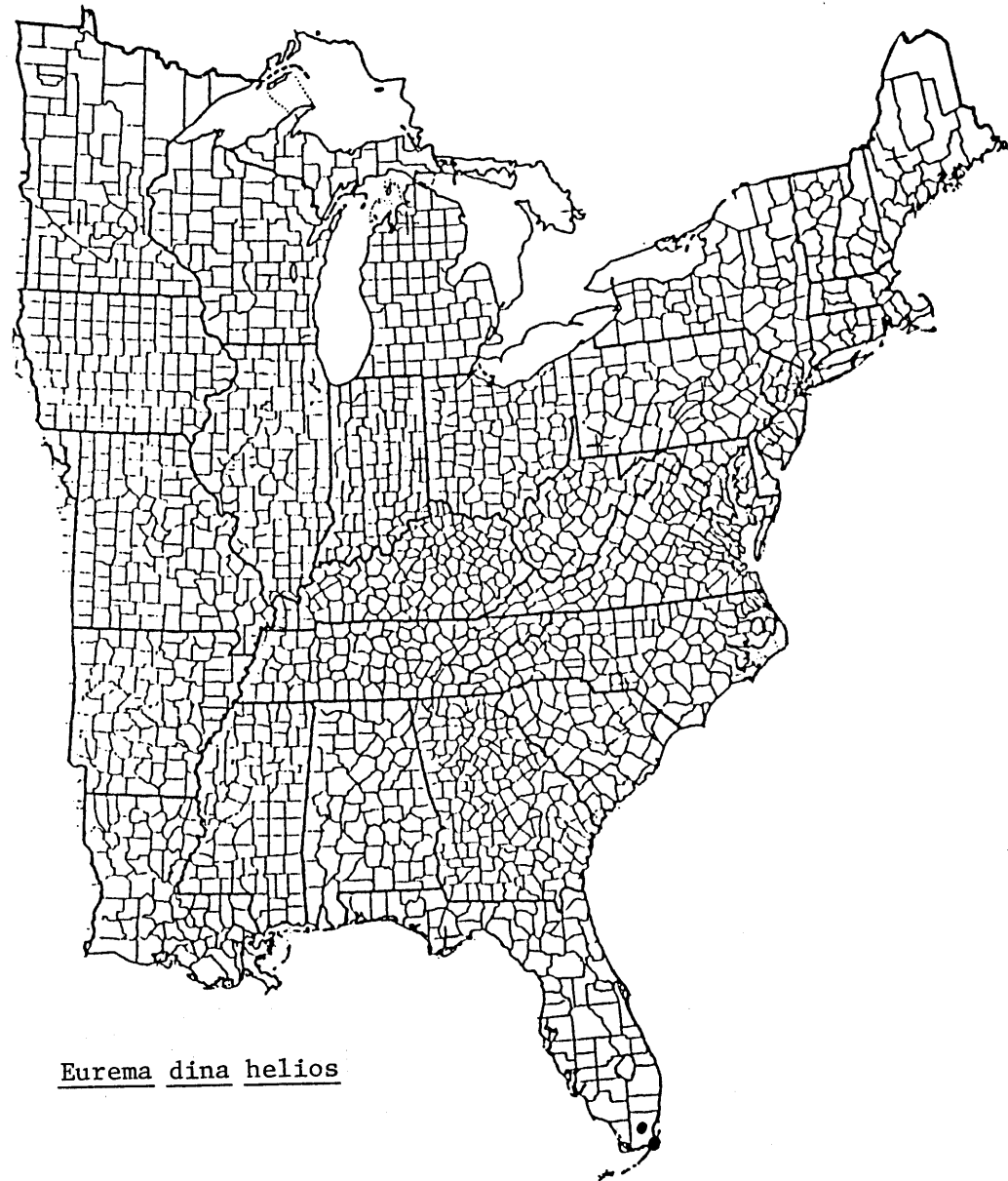
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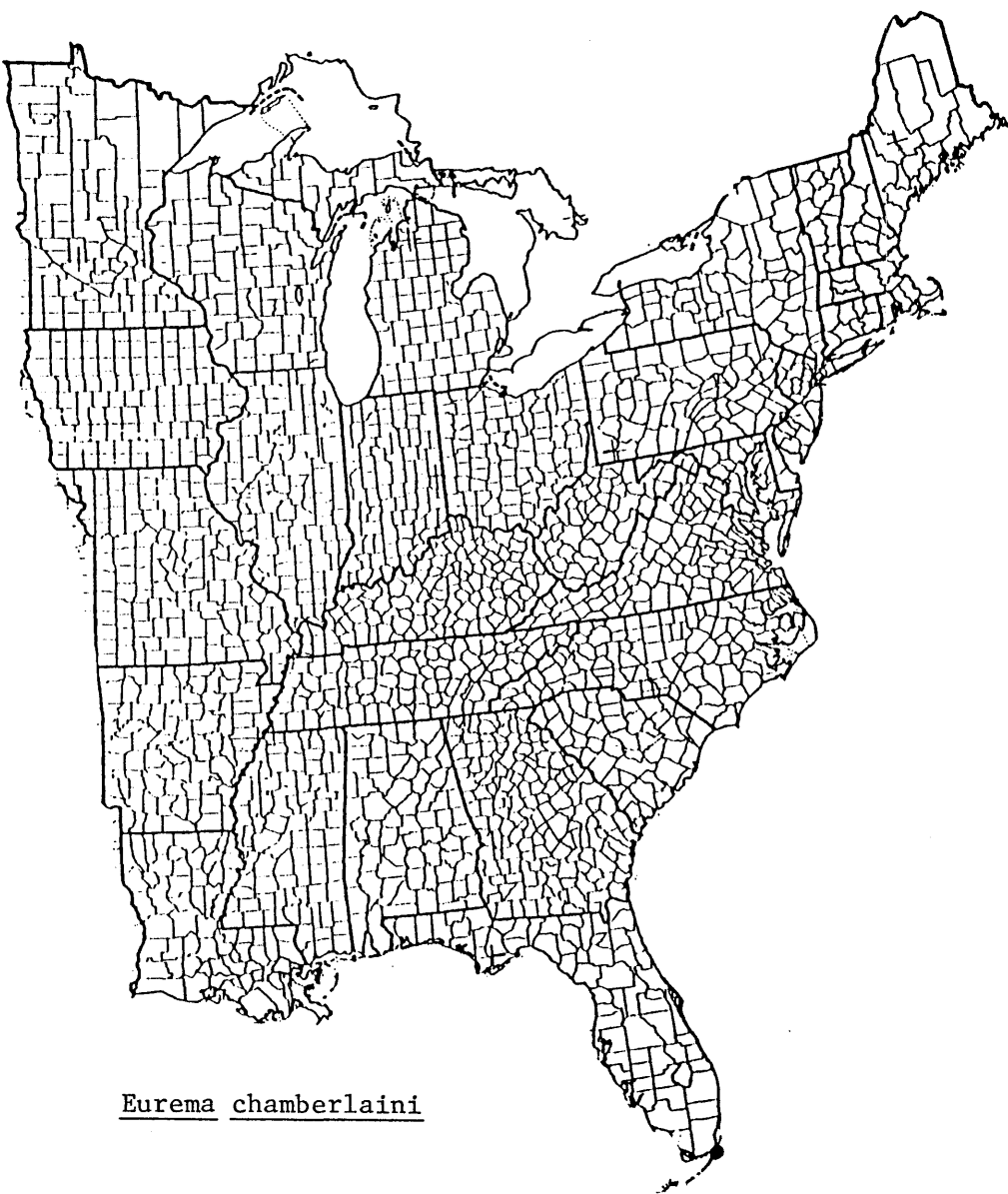
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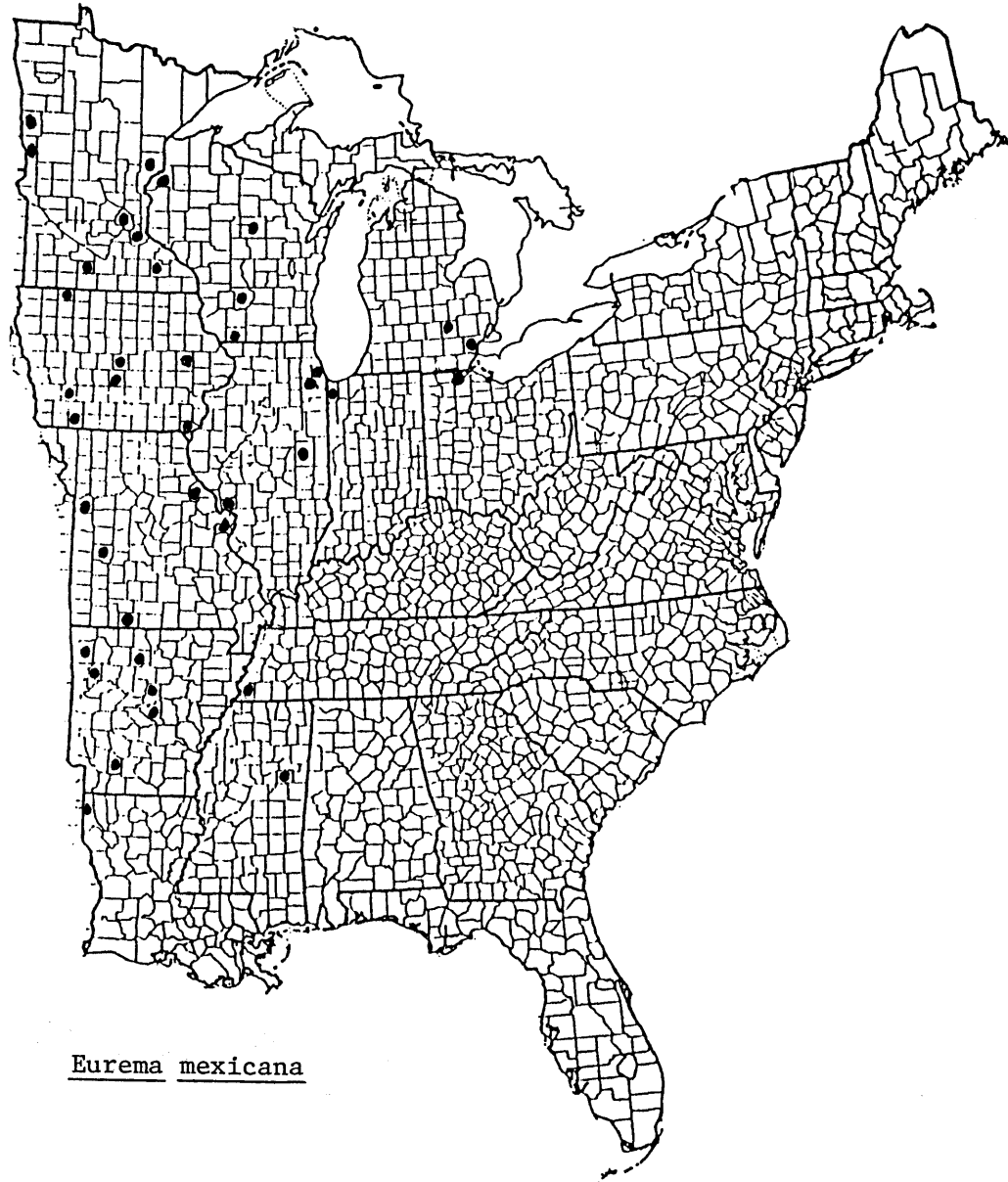
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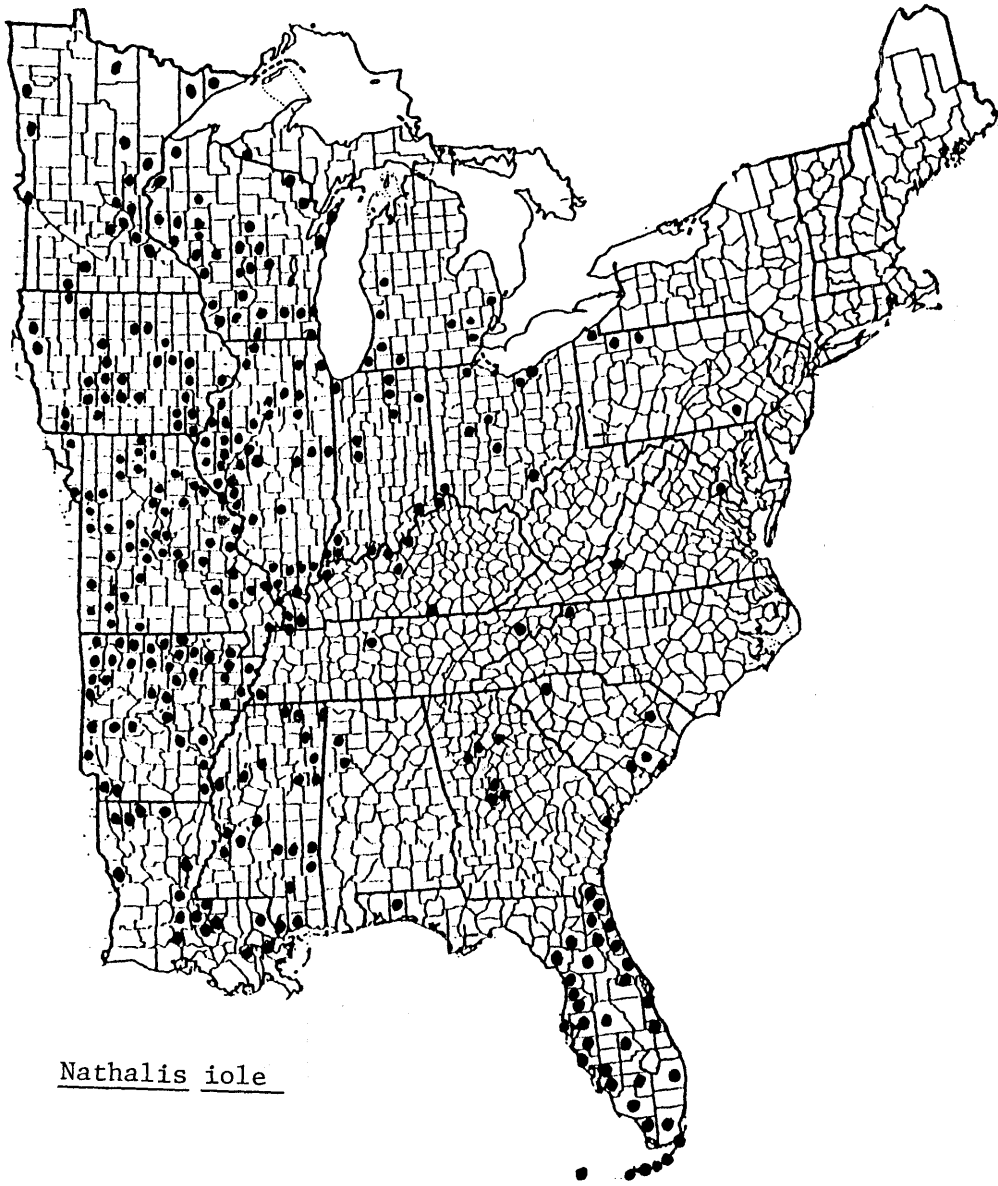
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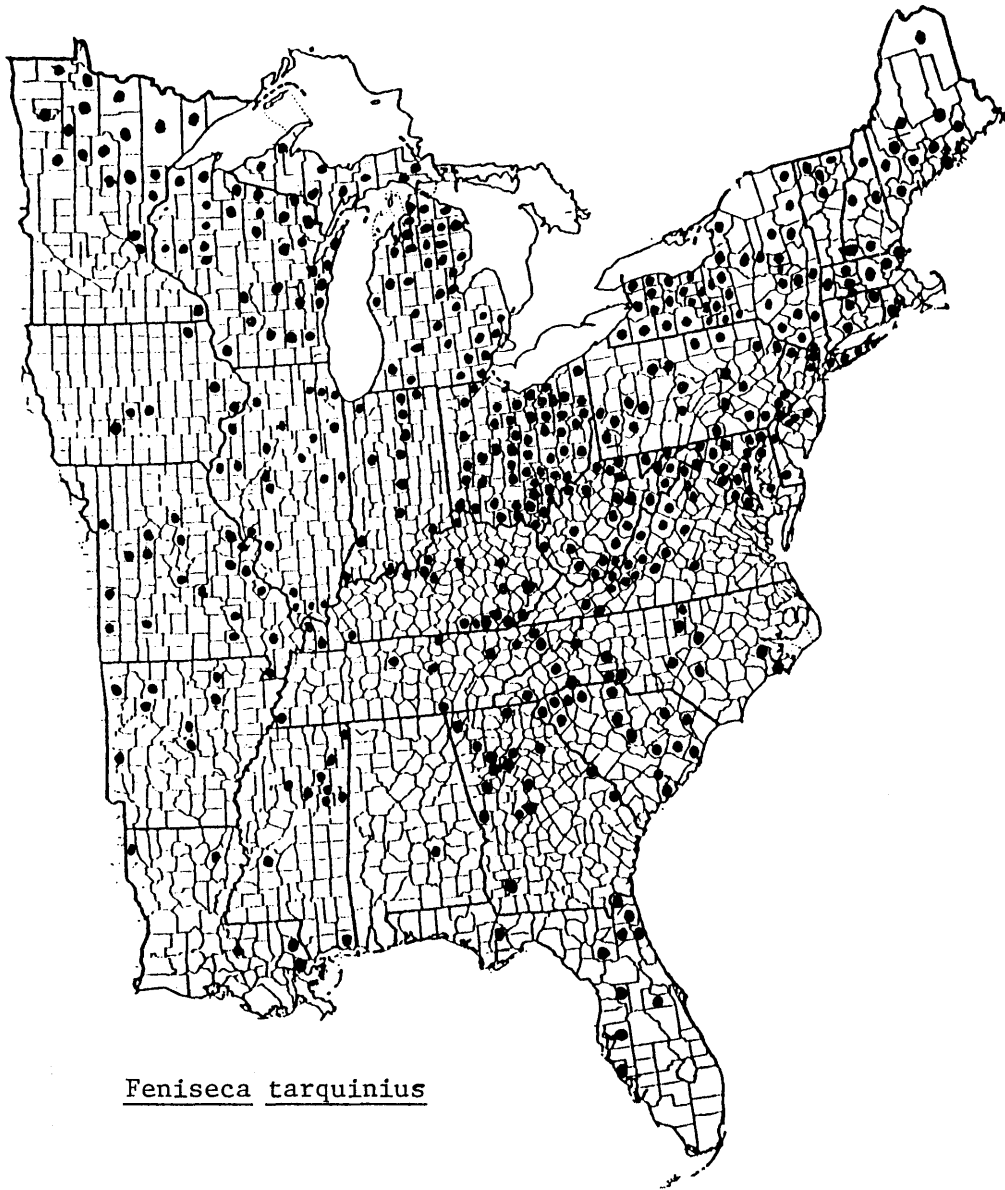
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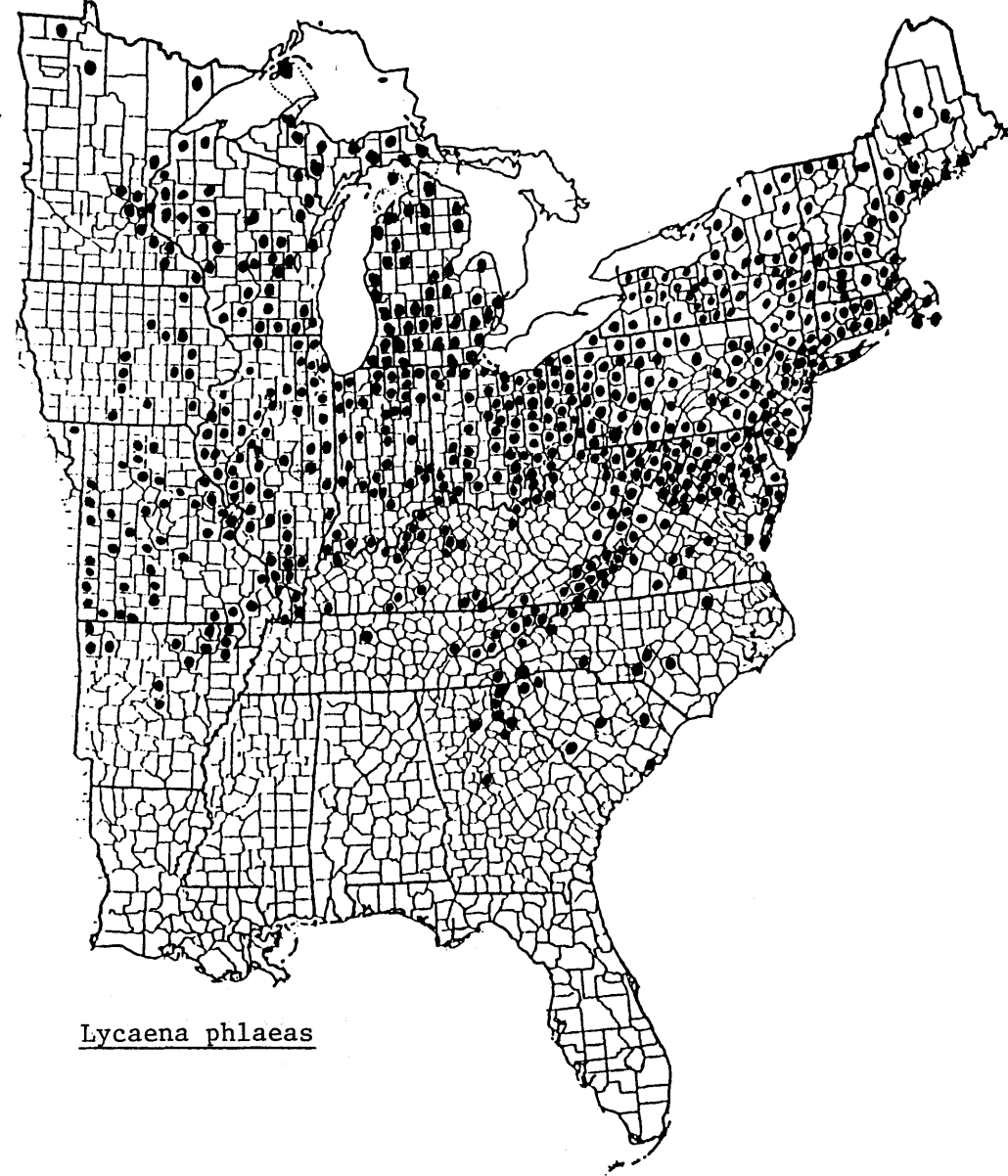
Eurema mexicana



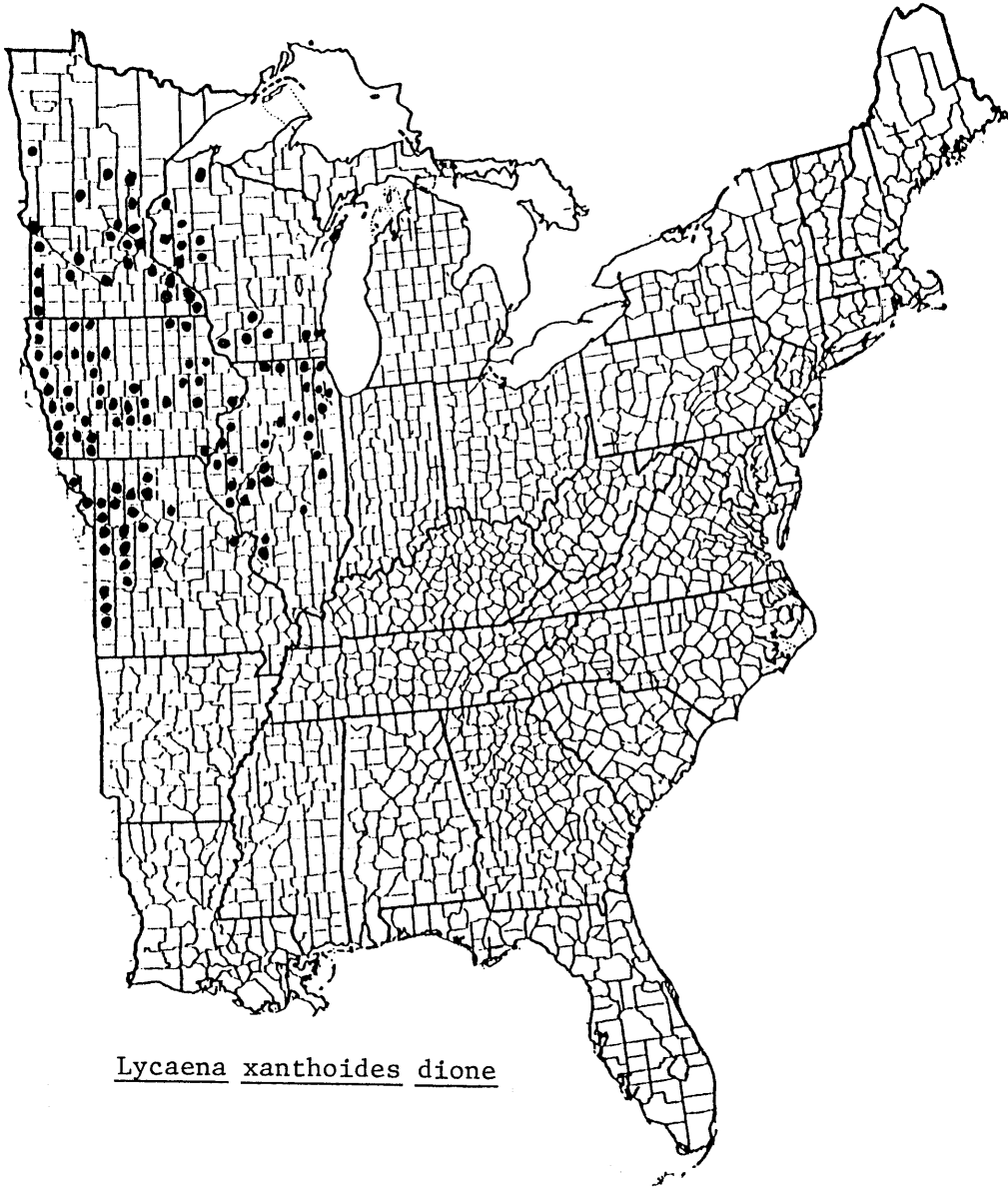
Nathalis iole



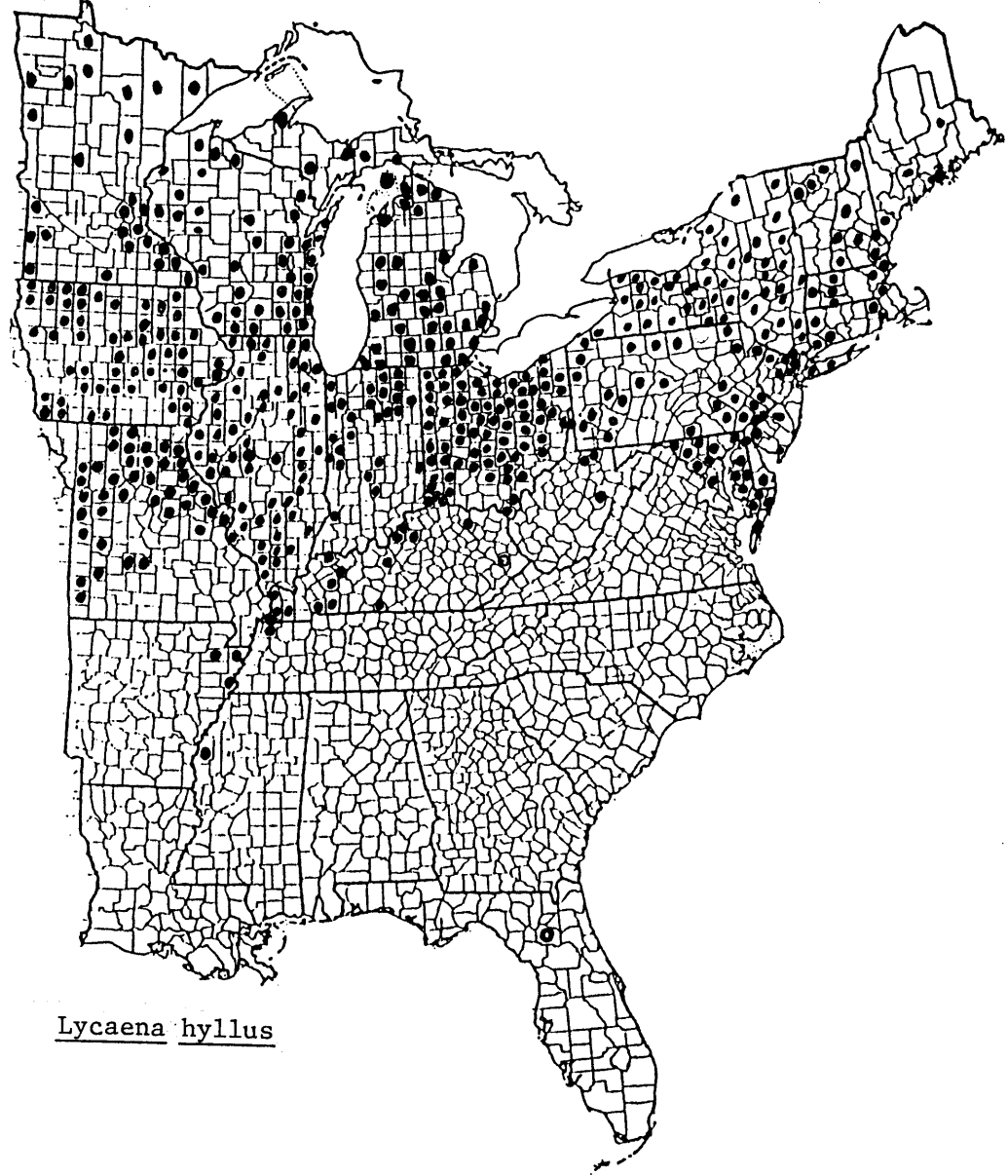
Feniseca tarquinius



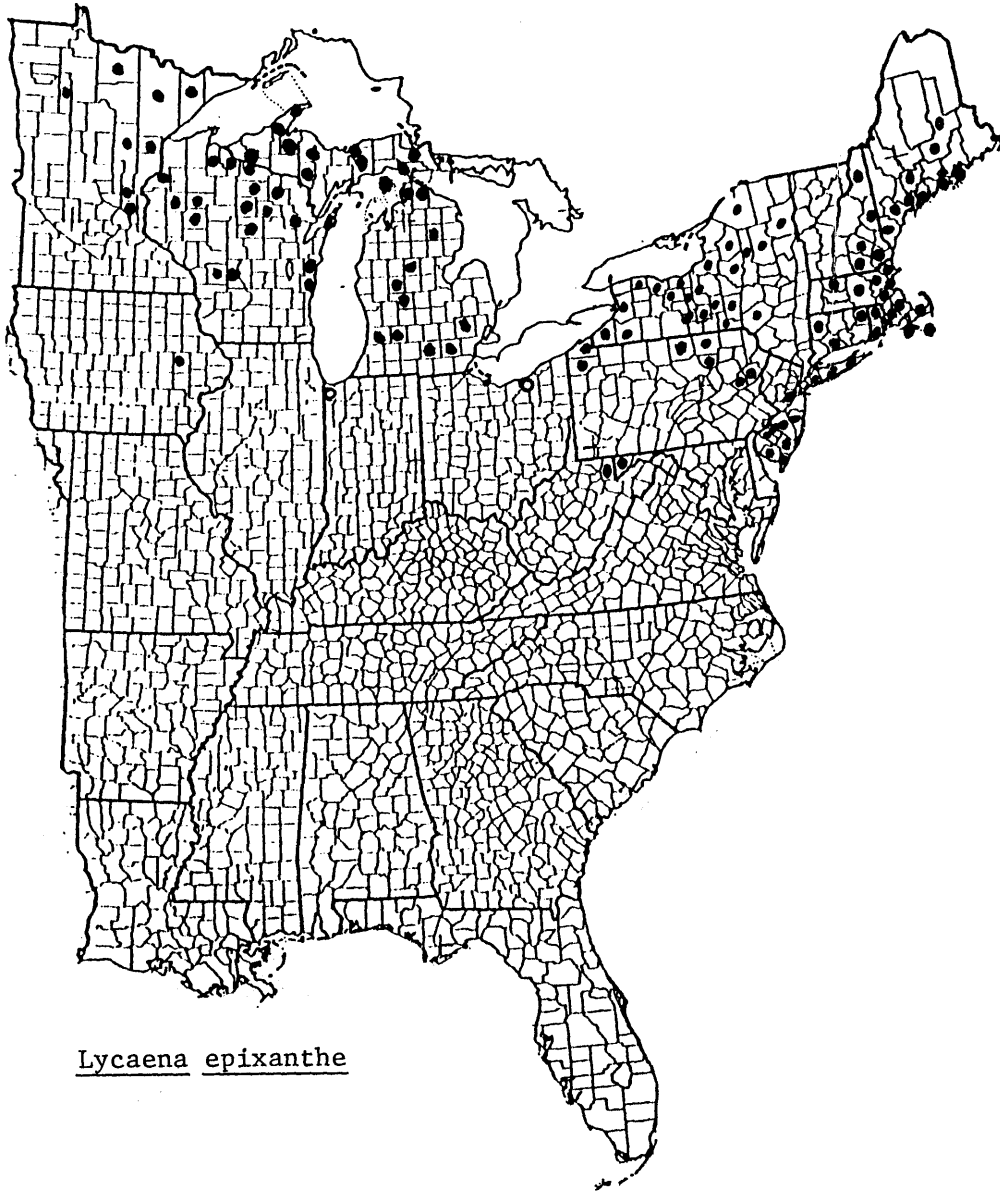
Lycaena phlaeas



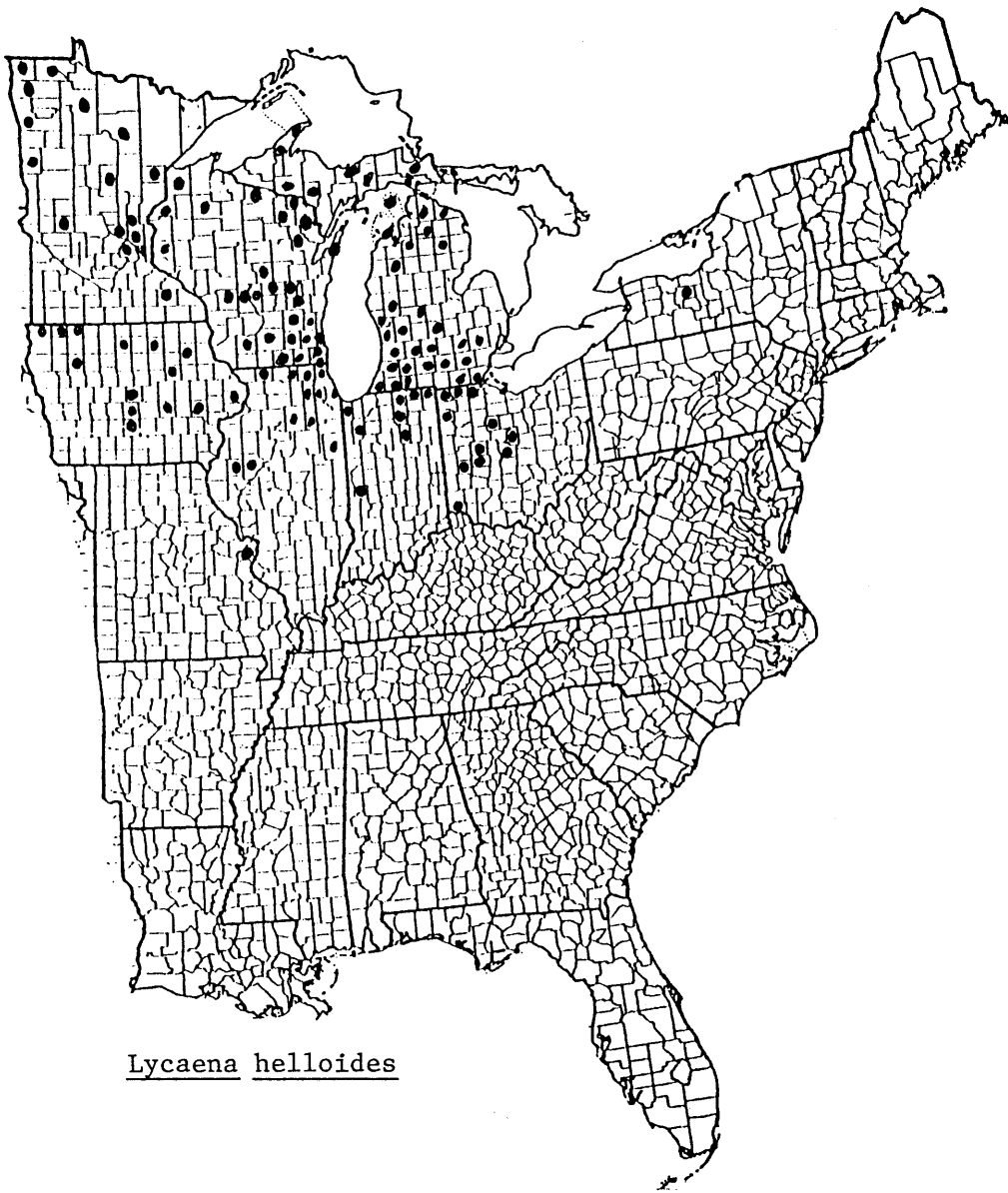
Lycaena xanthoides dione



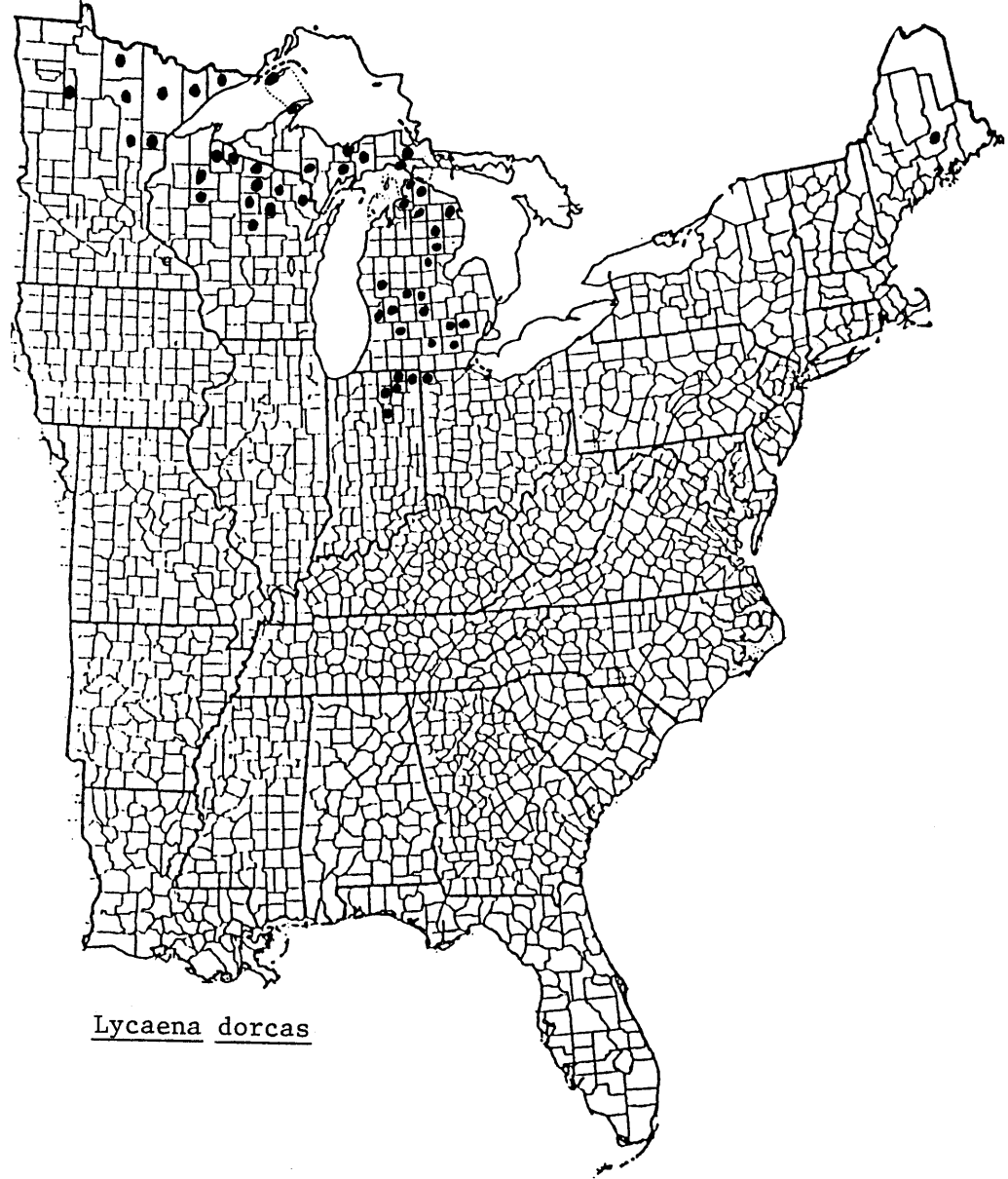
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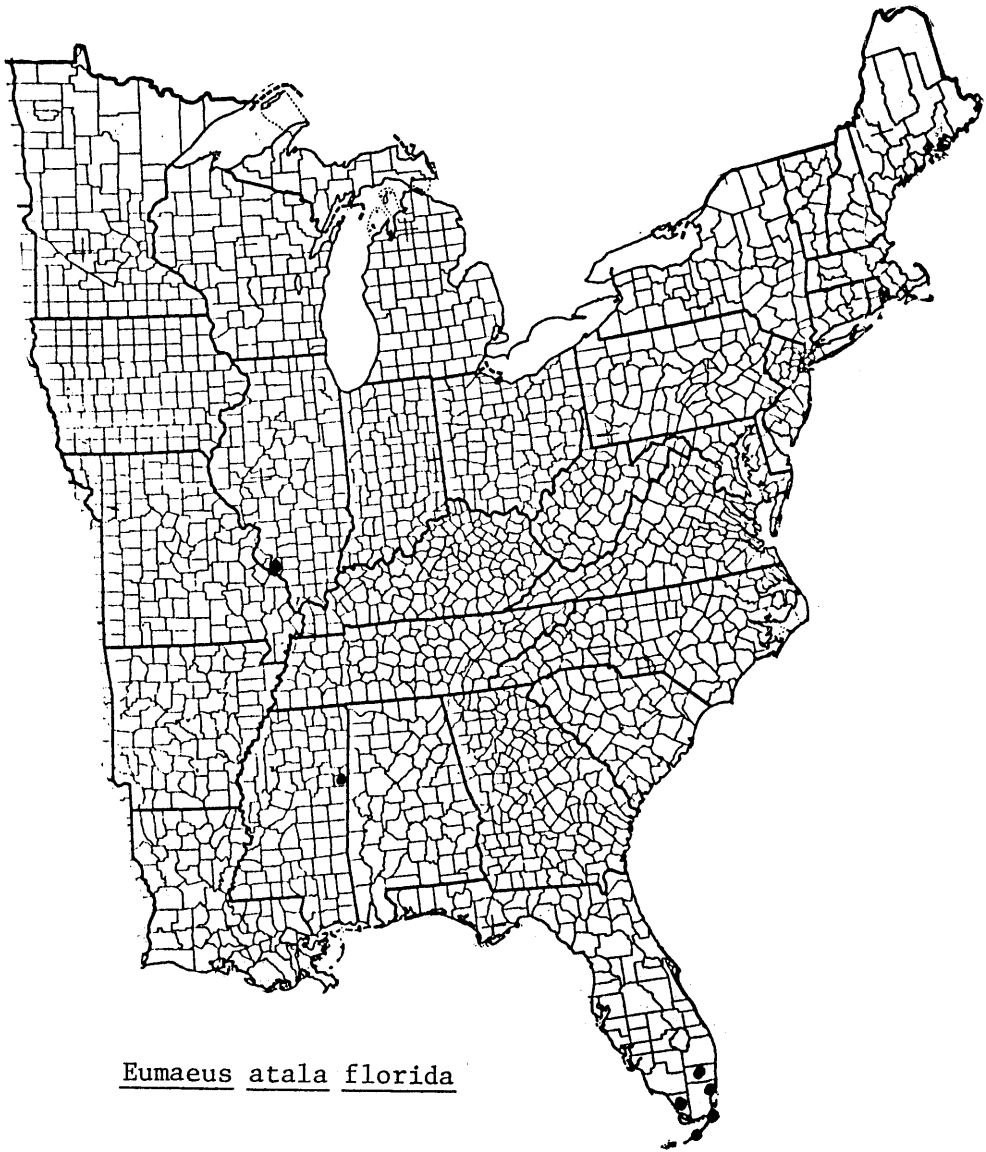
Lycaena epixanthe



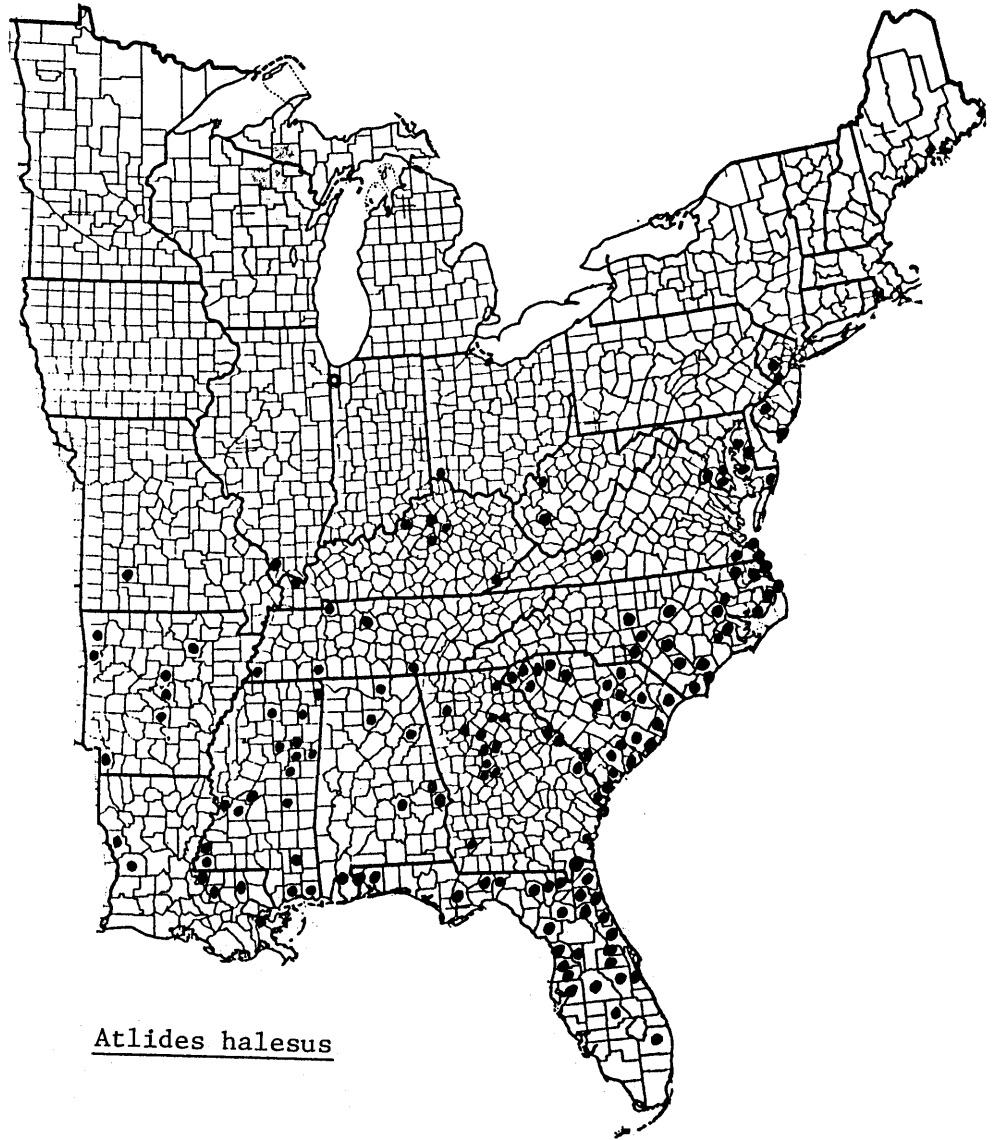
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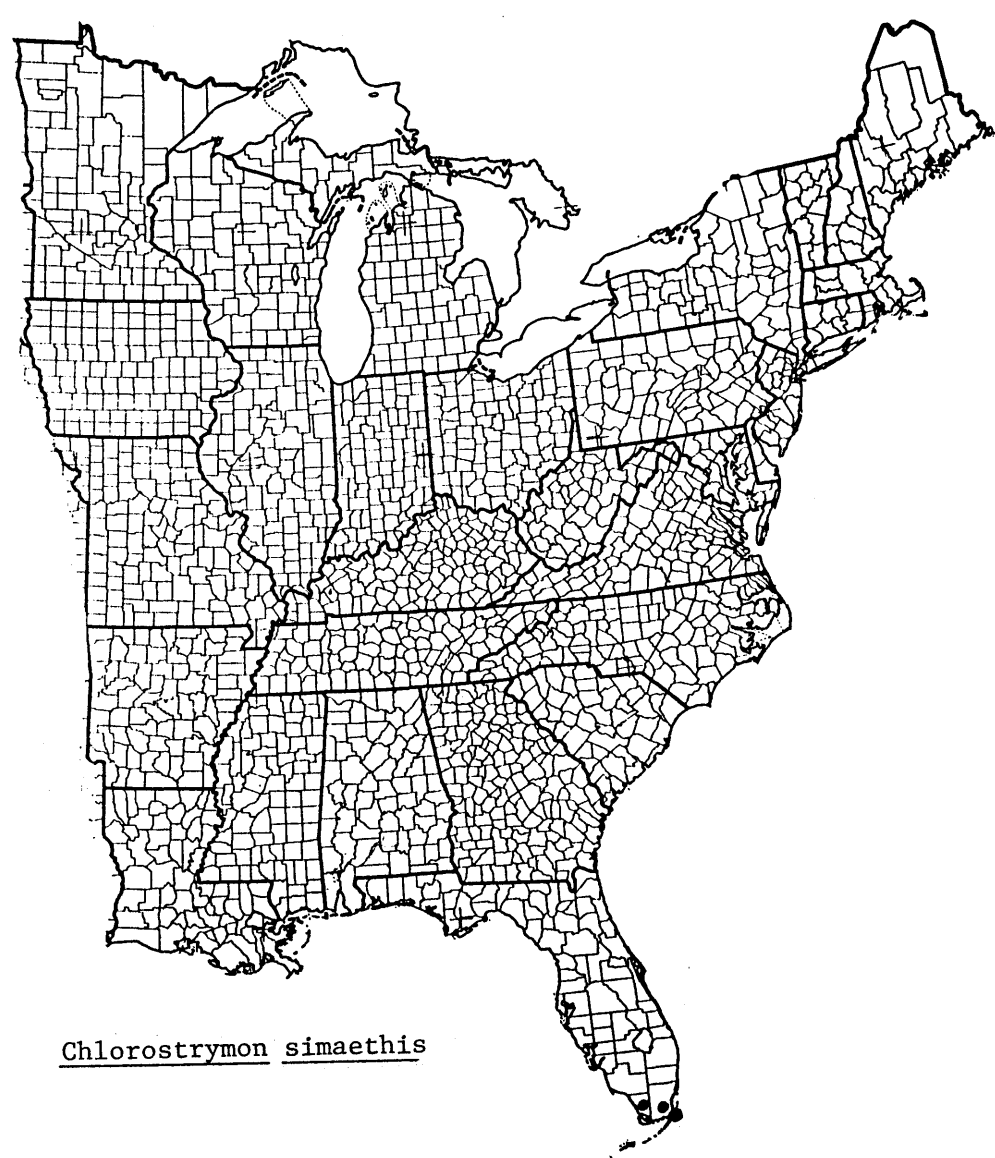
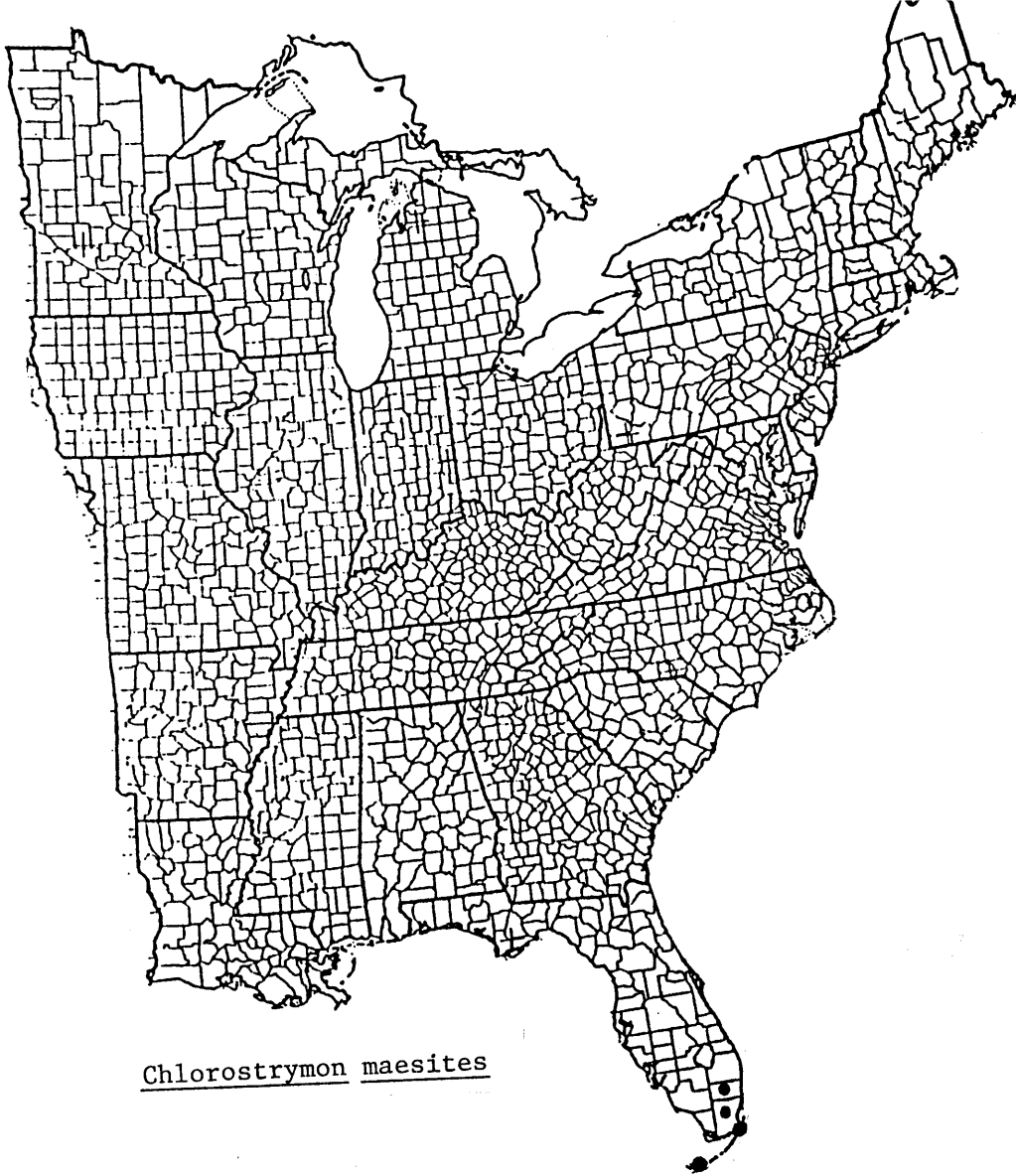
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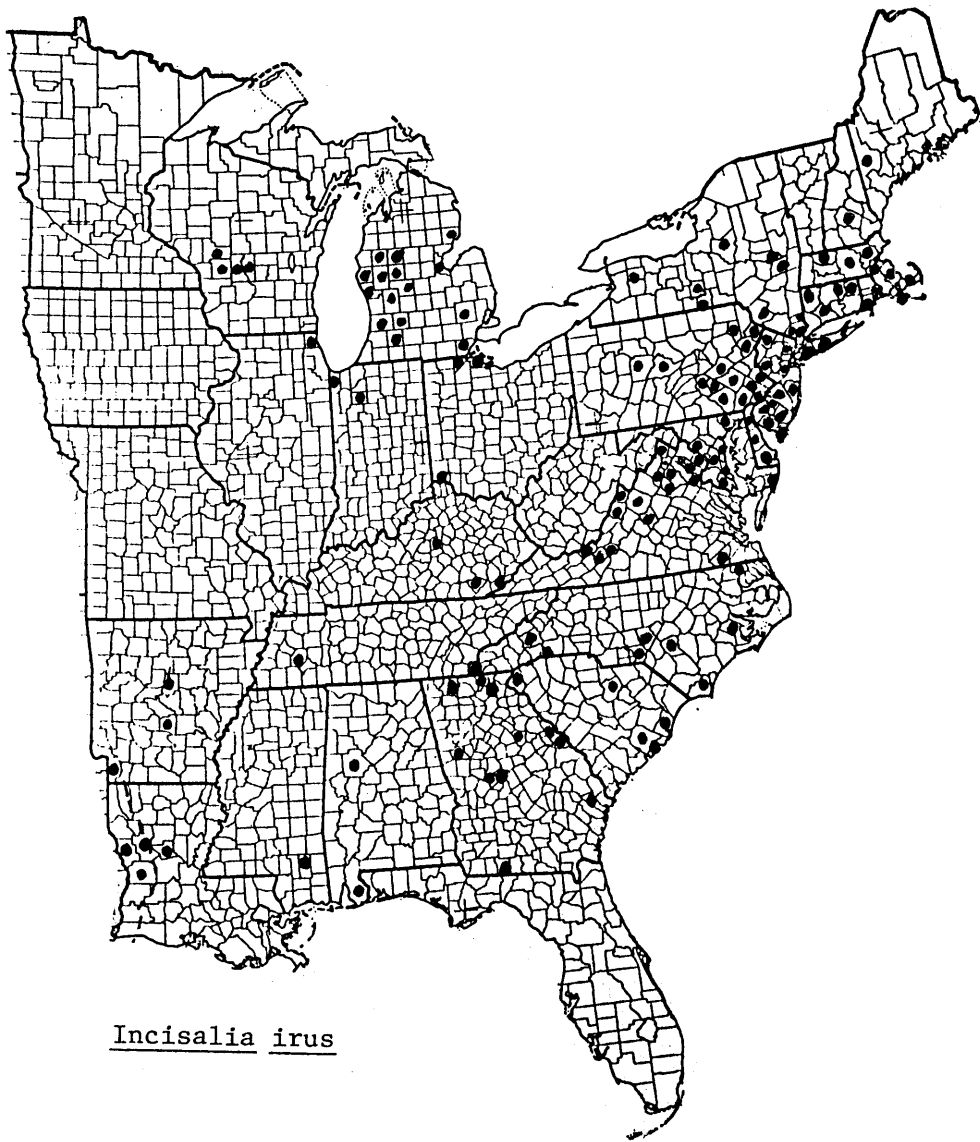


Eumaeus atala florida

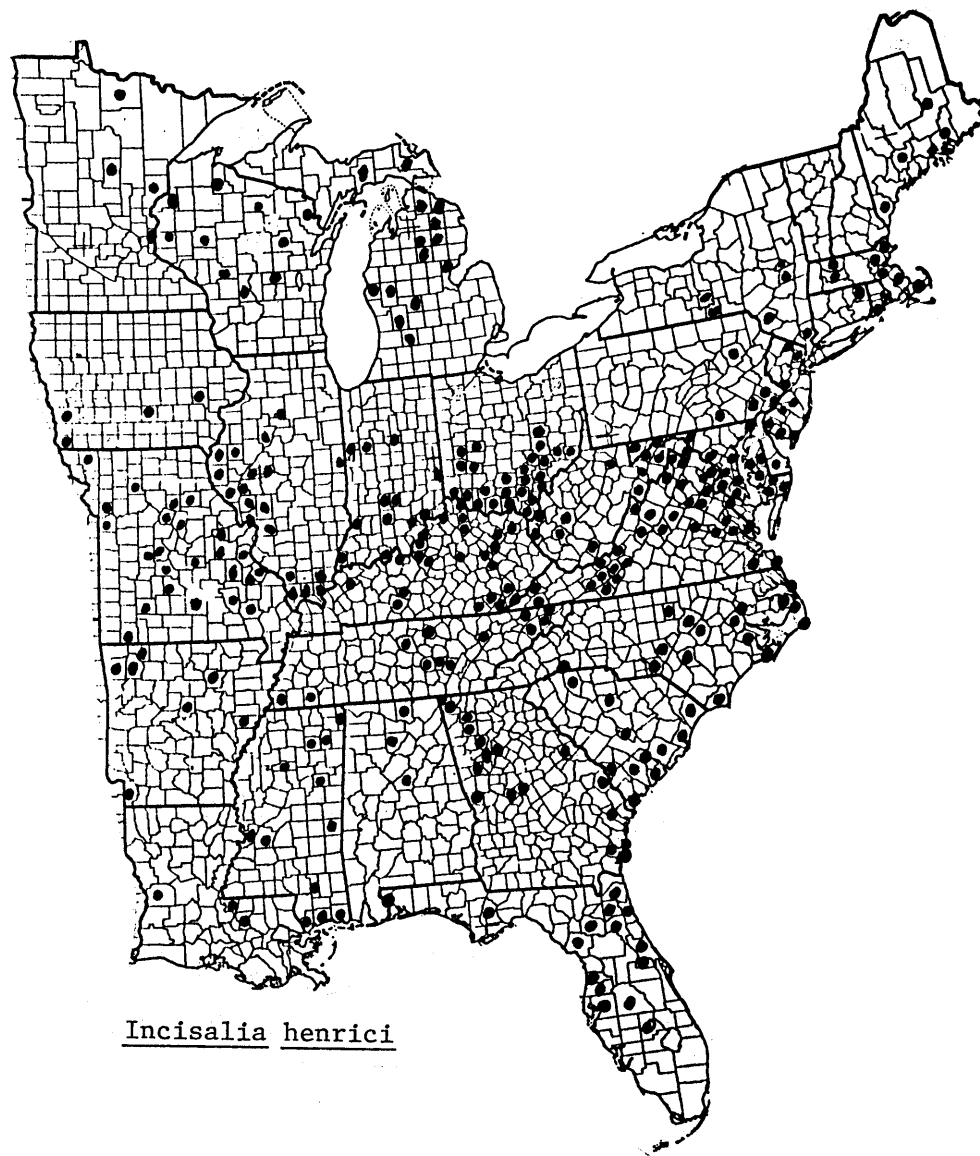


Atlides halesus

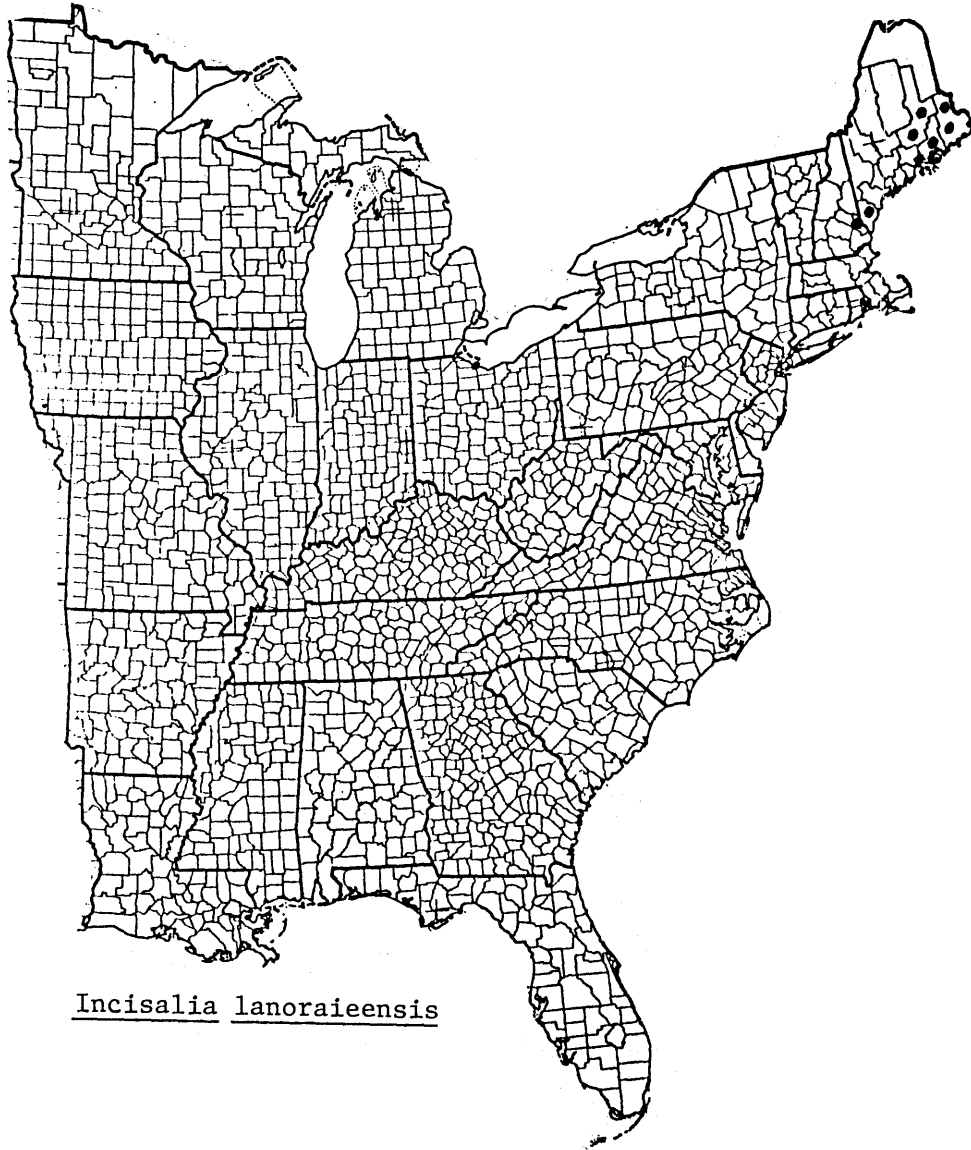




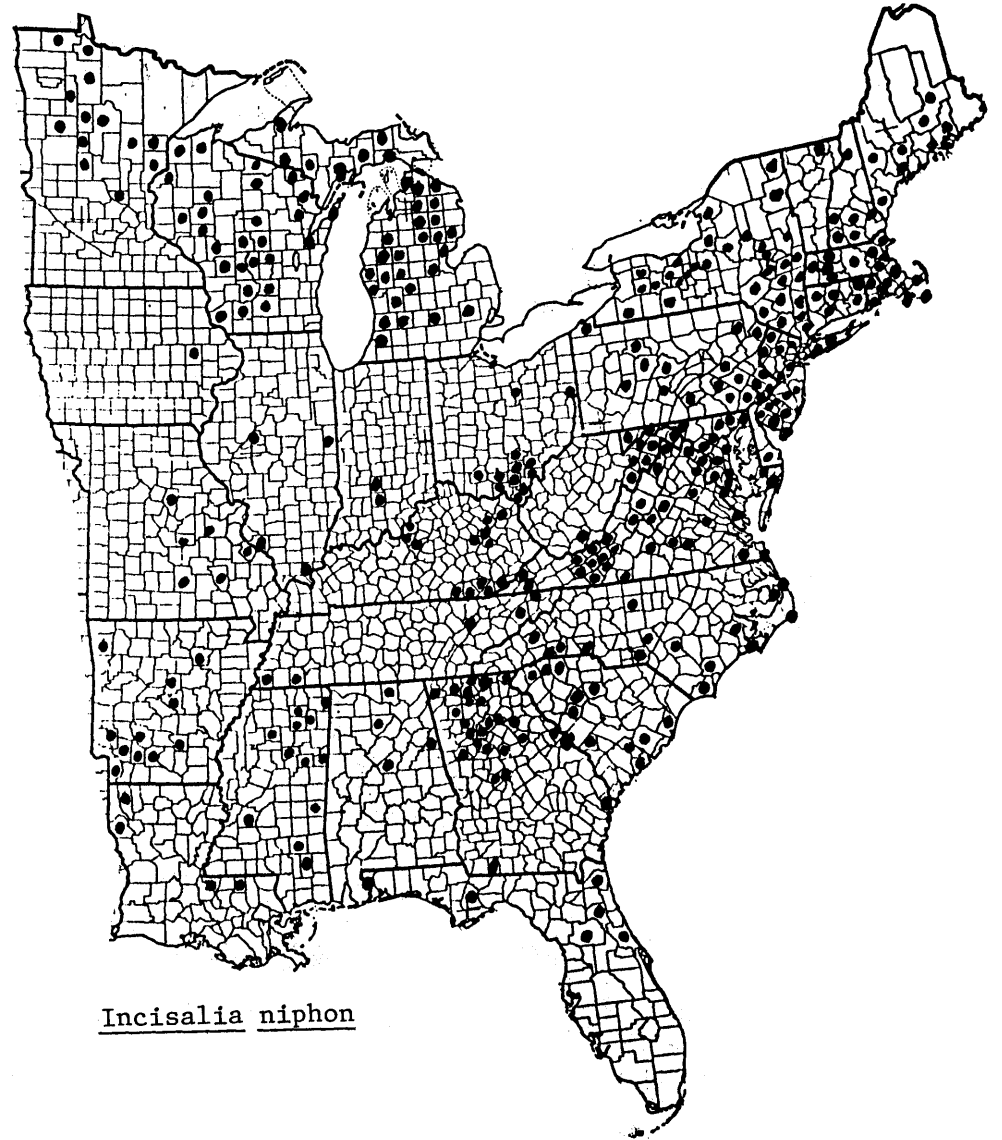
Incisalia irus



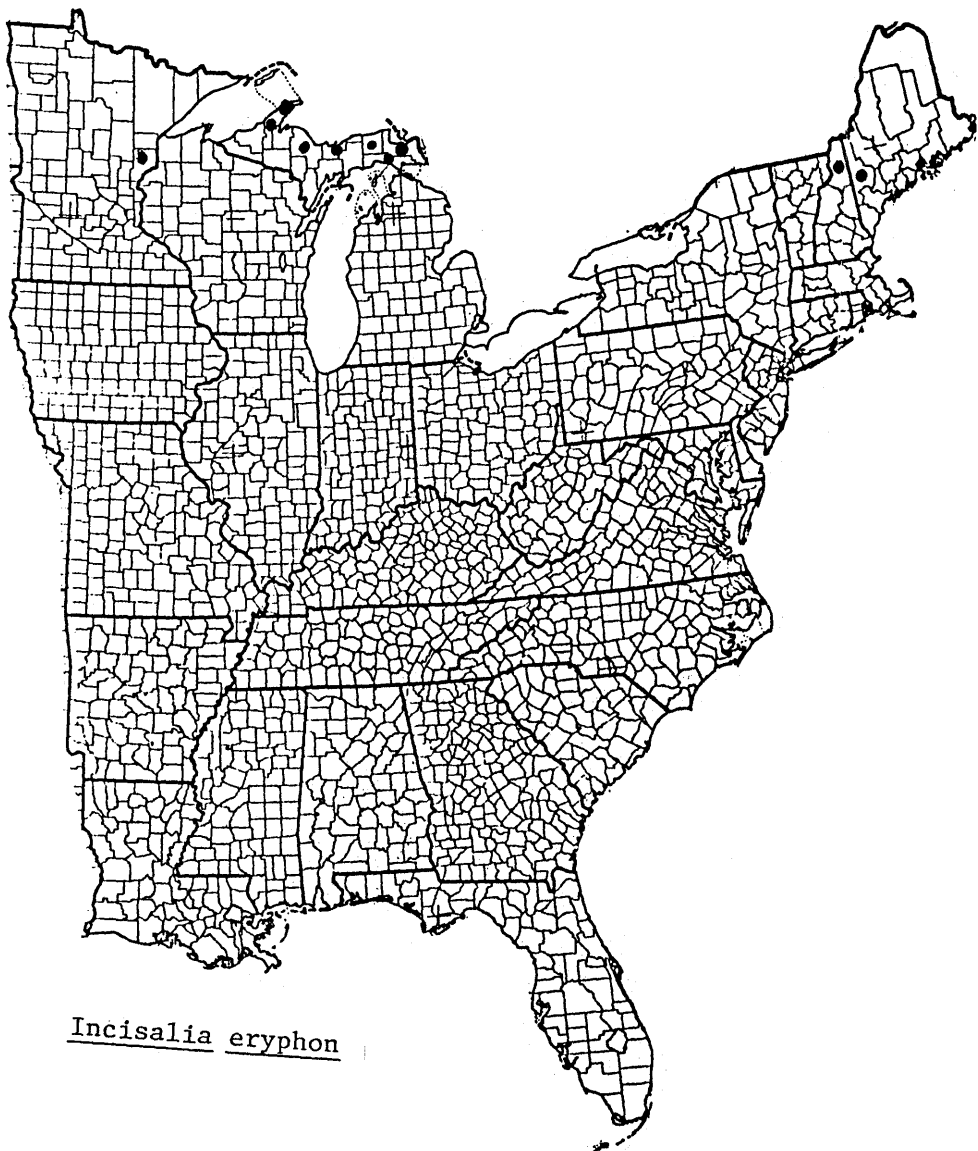
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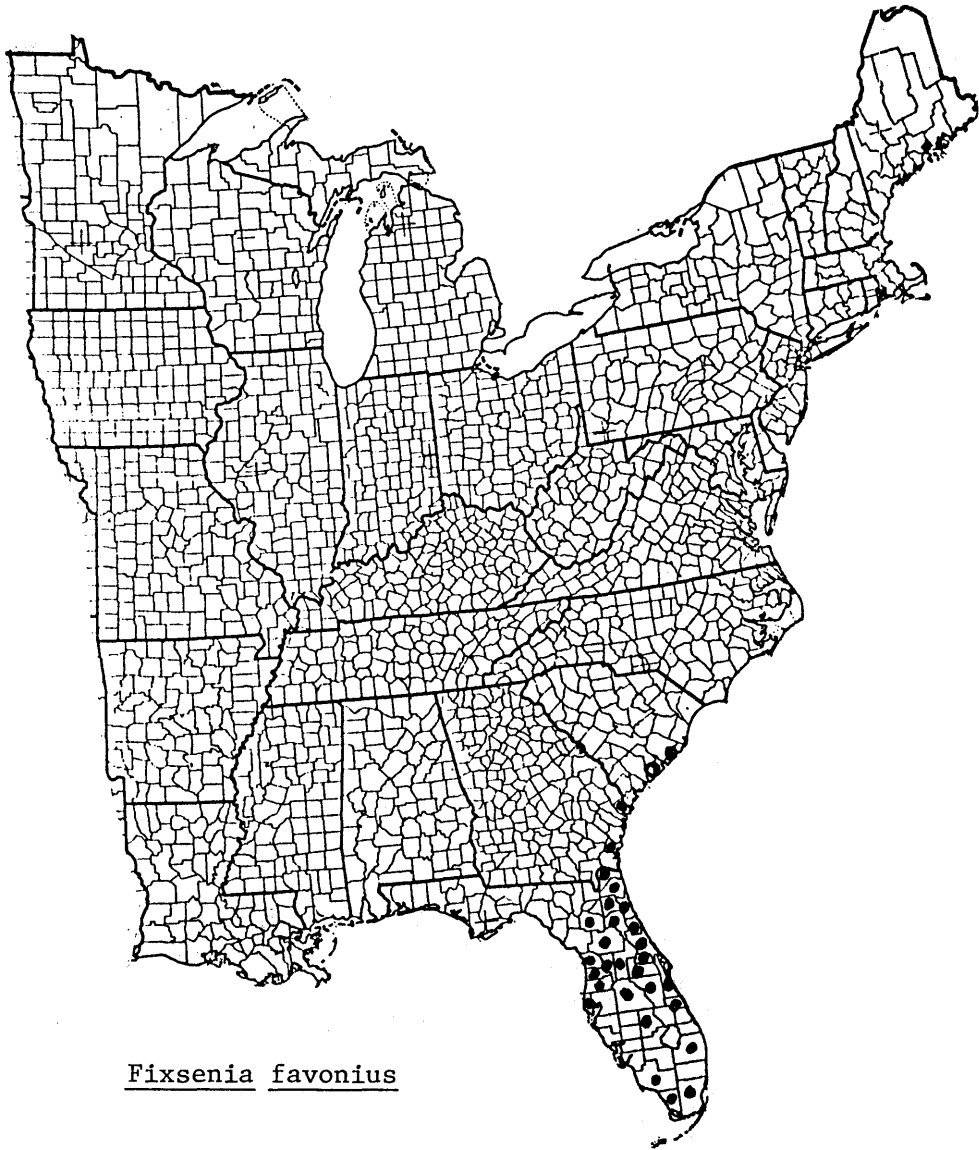
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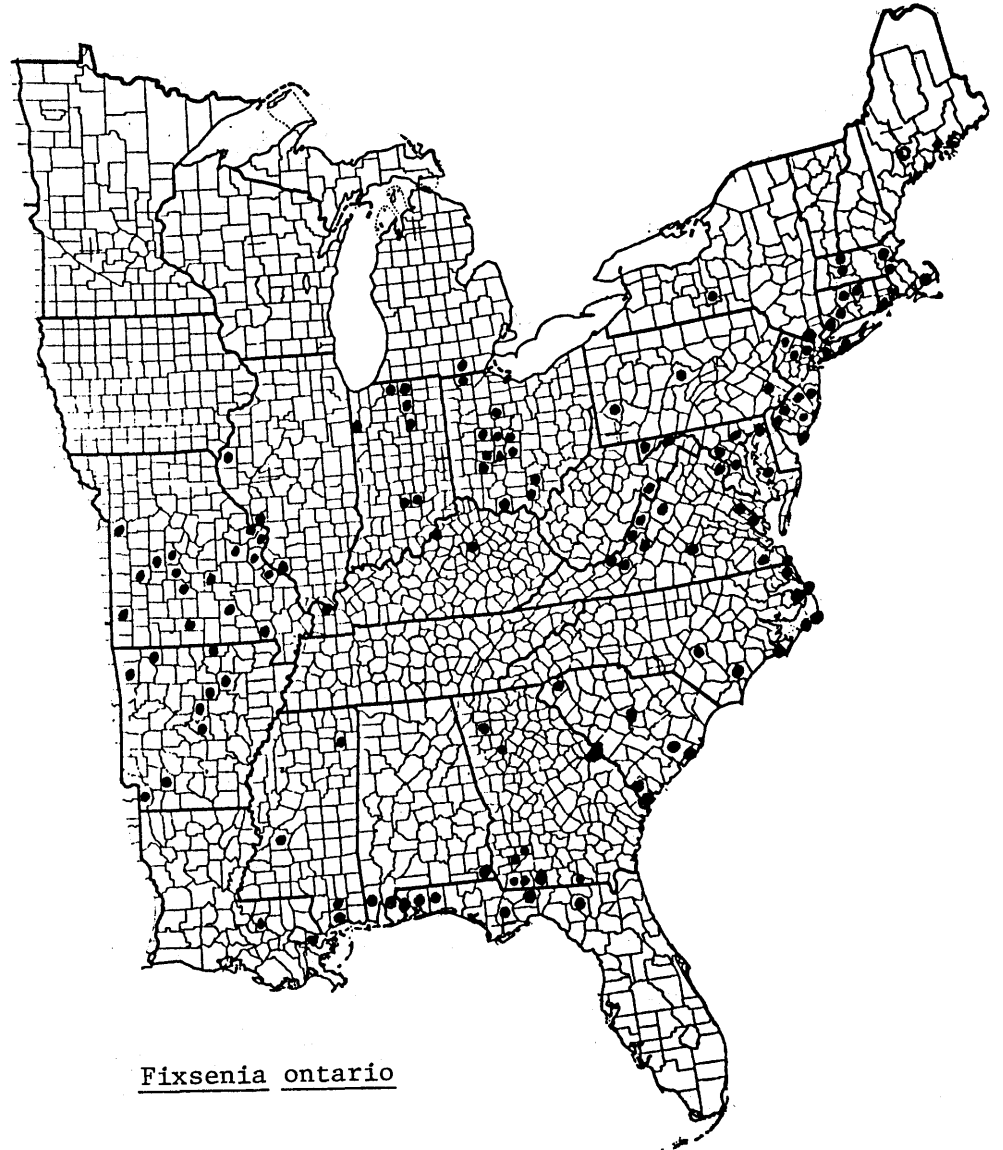
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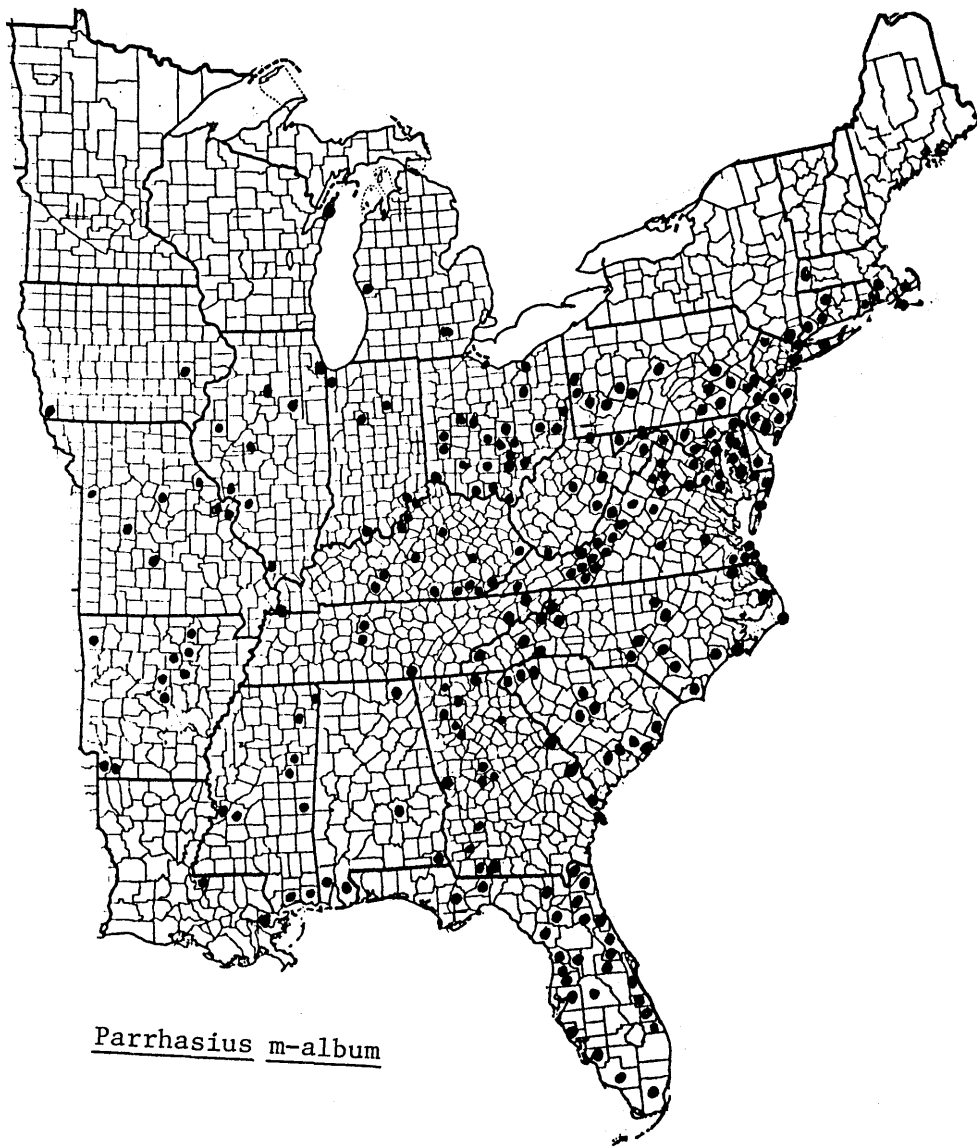
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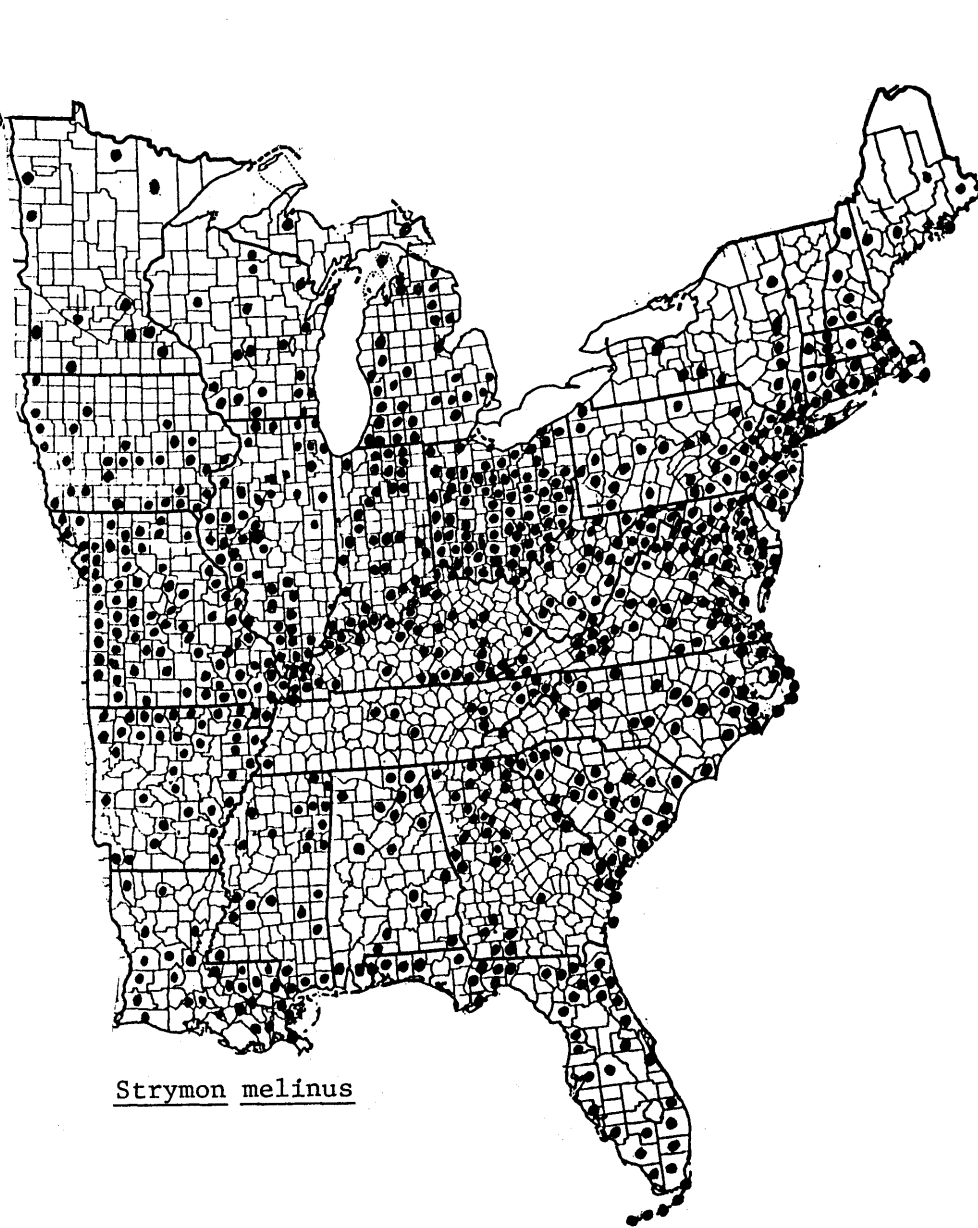
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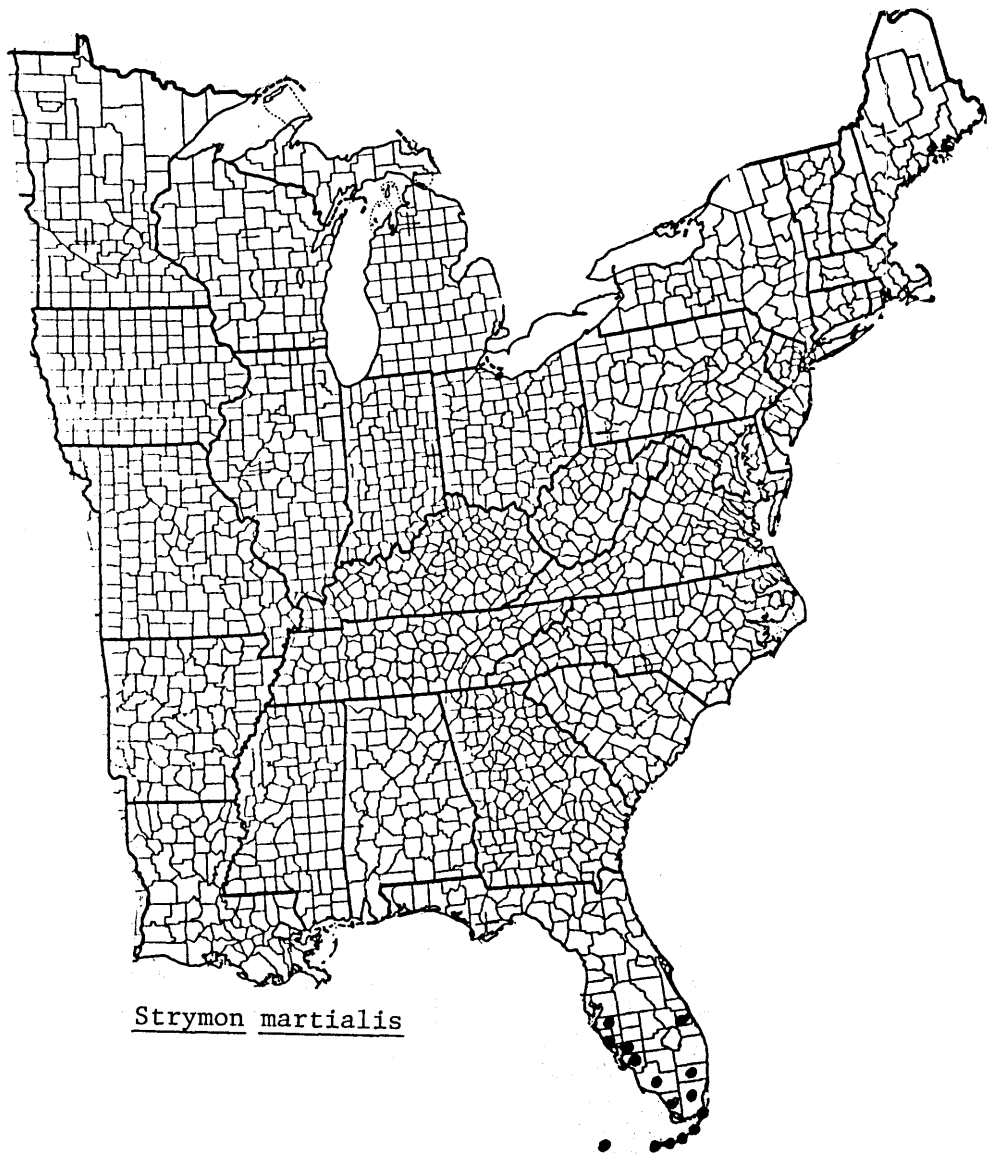
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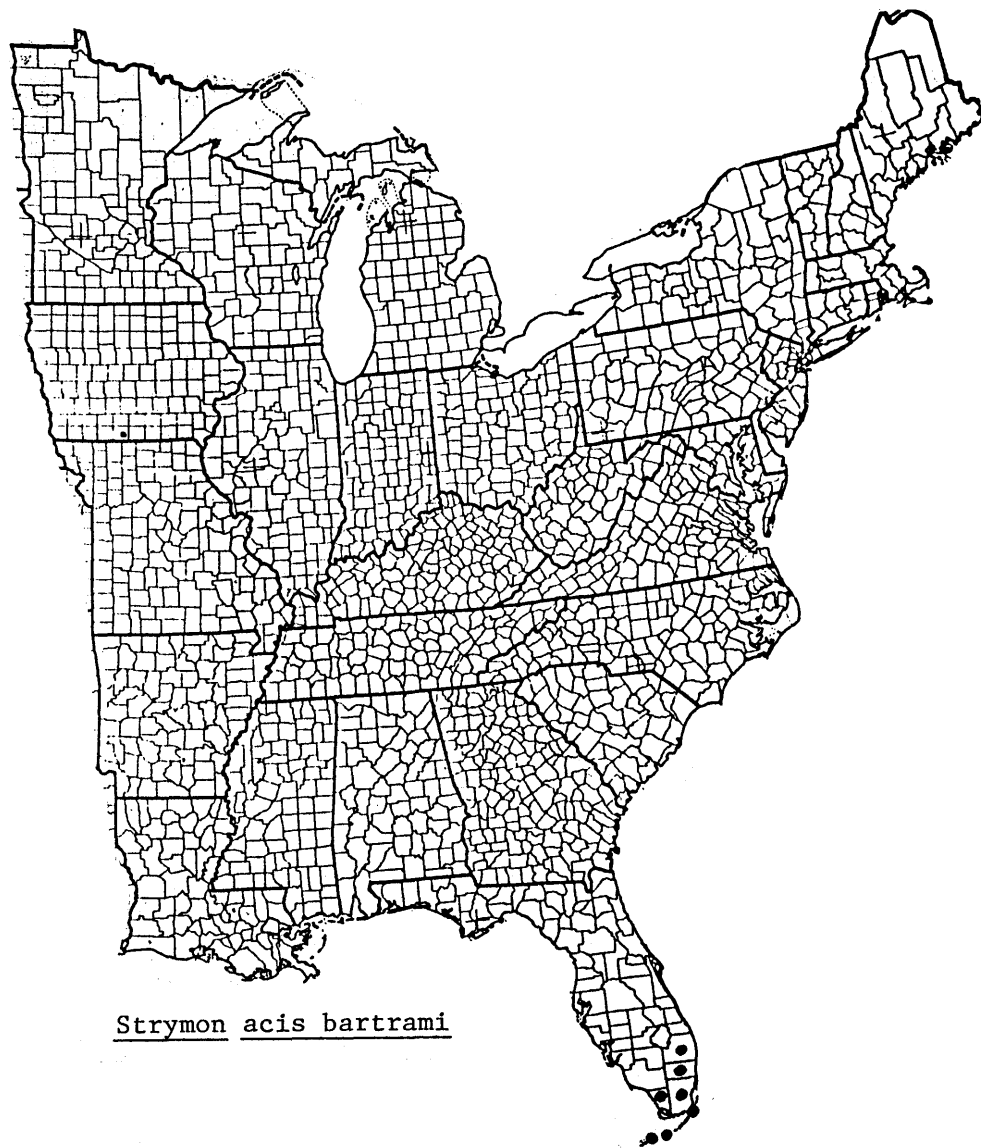
Parrhasius m-album



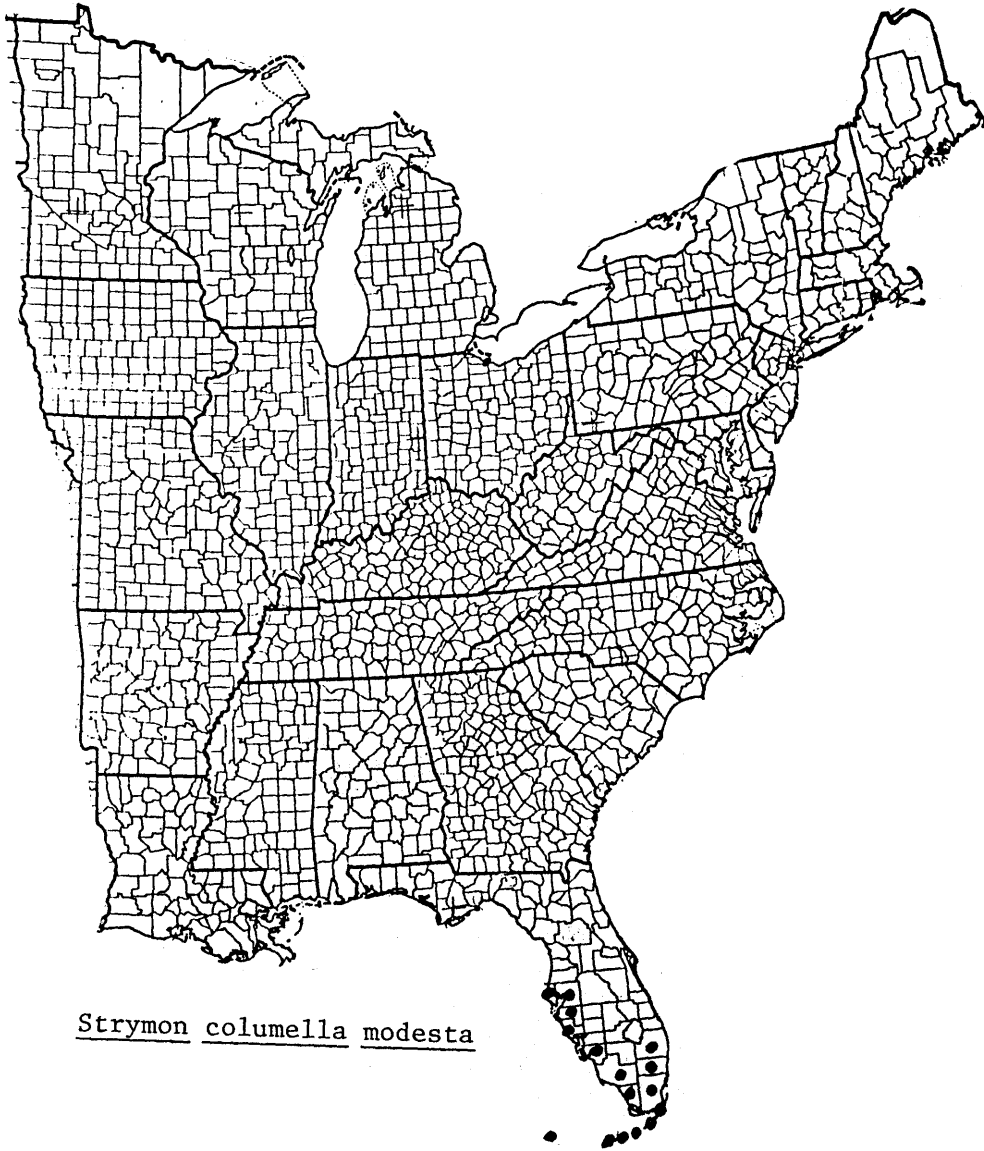
Strymon melinus

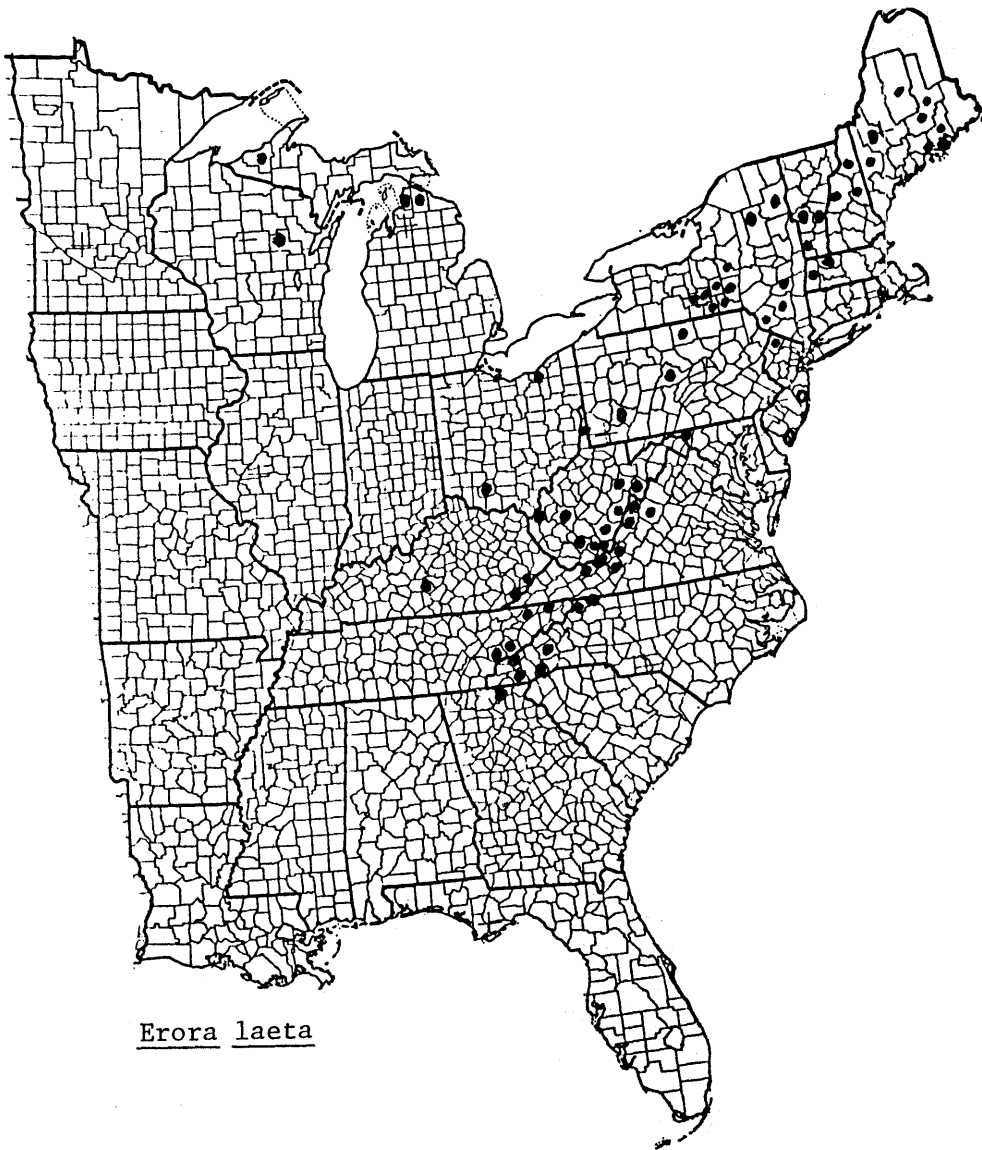


Strymon martialis

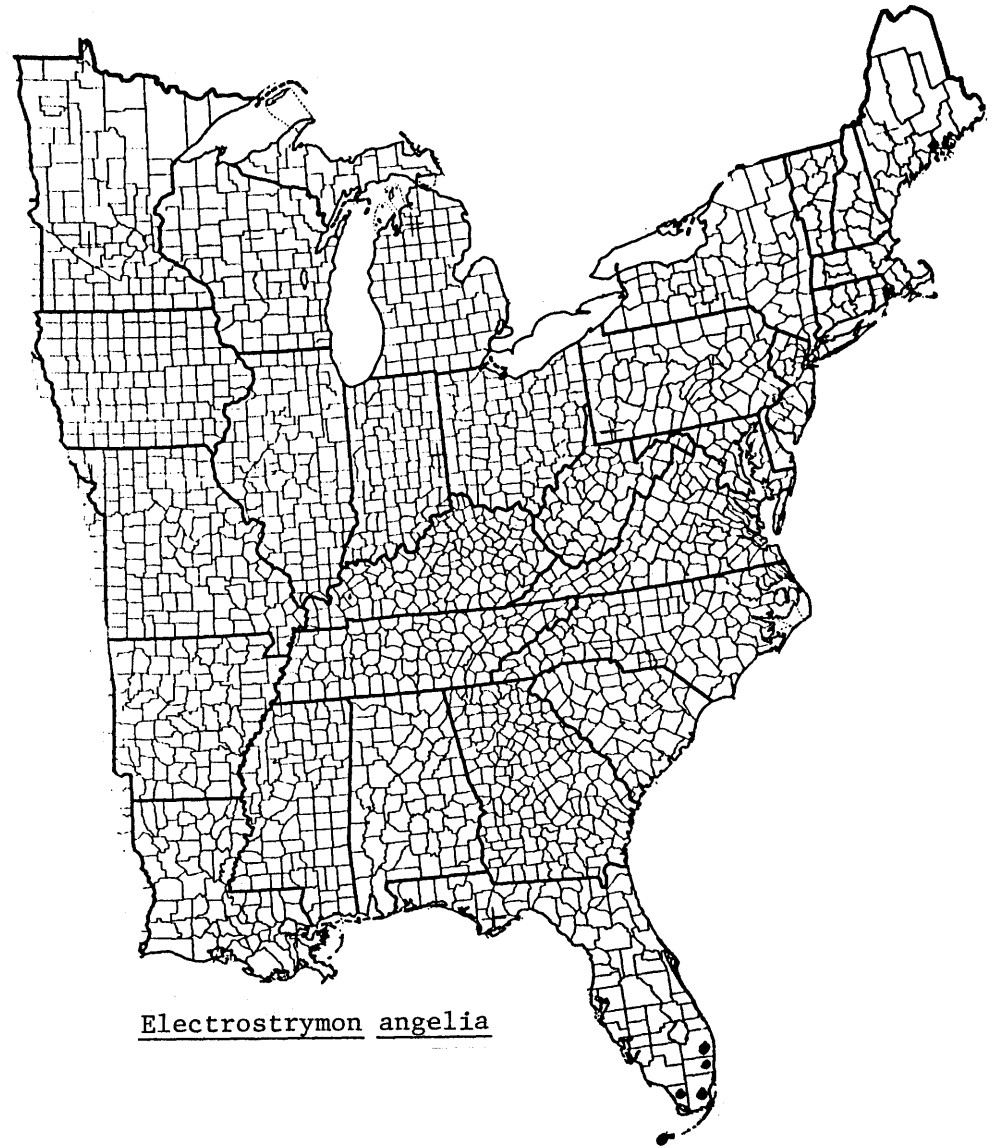


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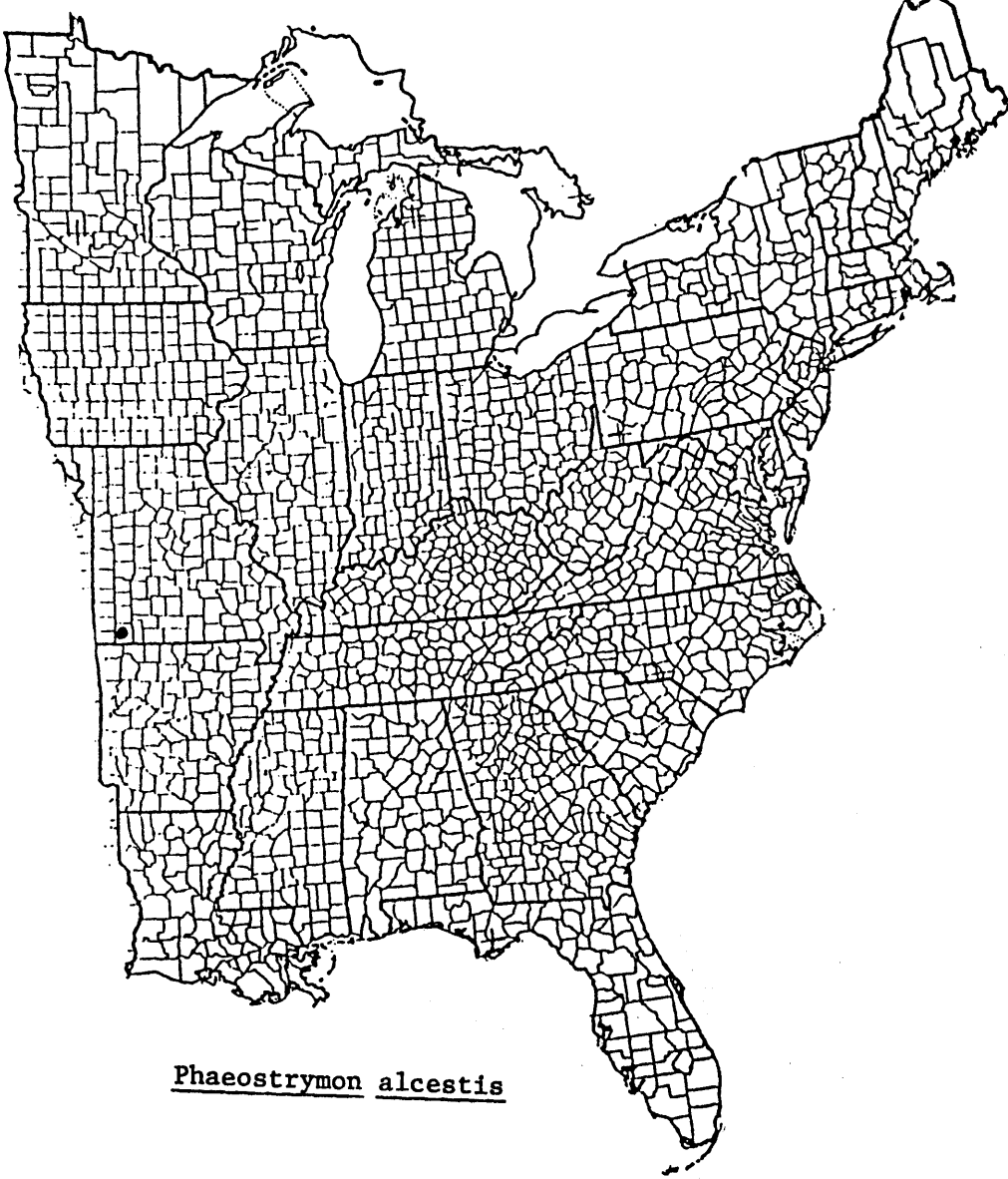




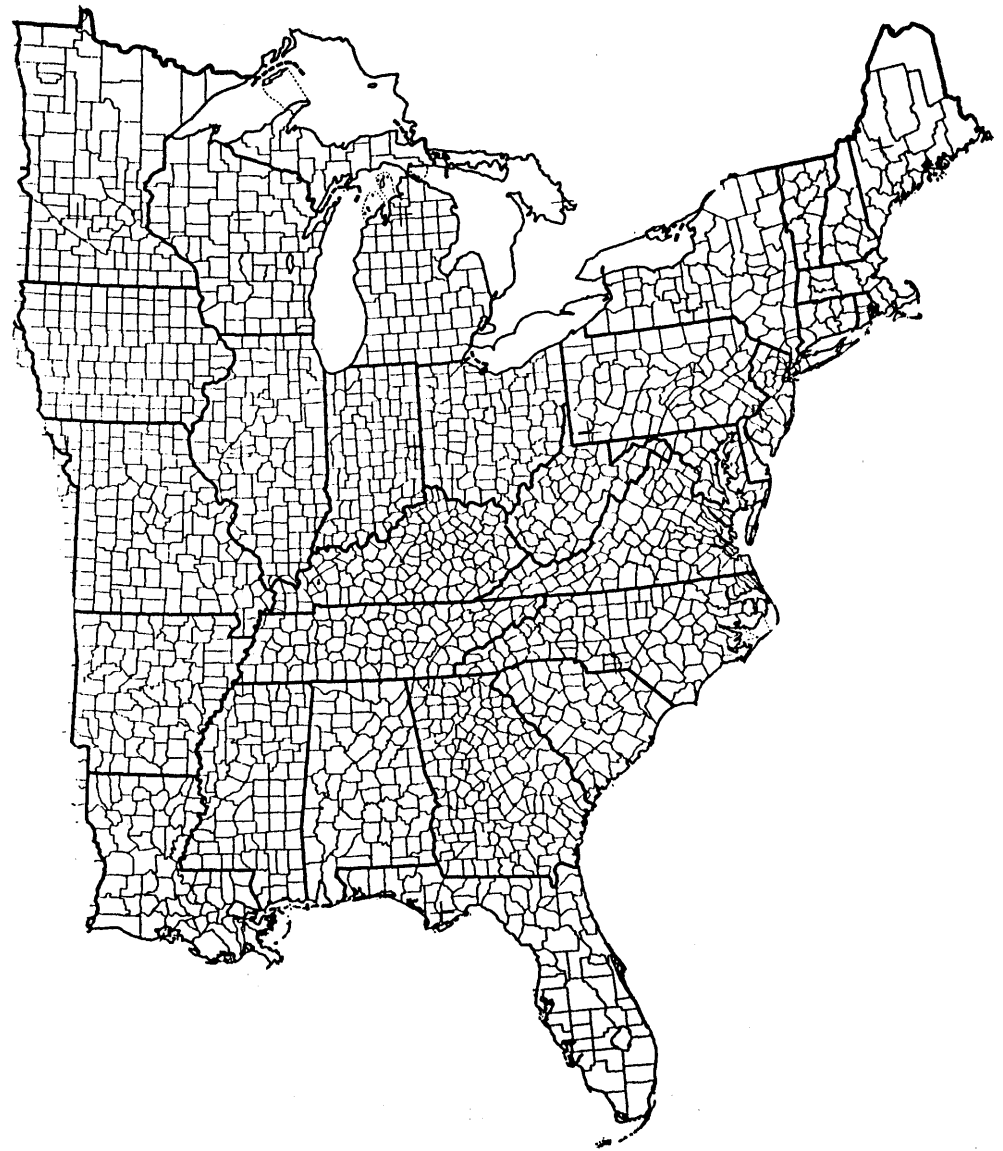
Erora laeta

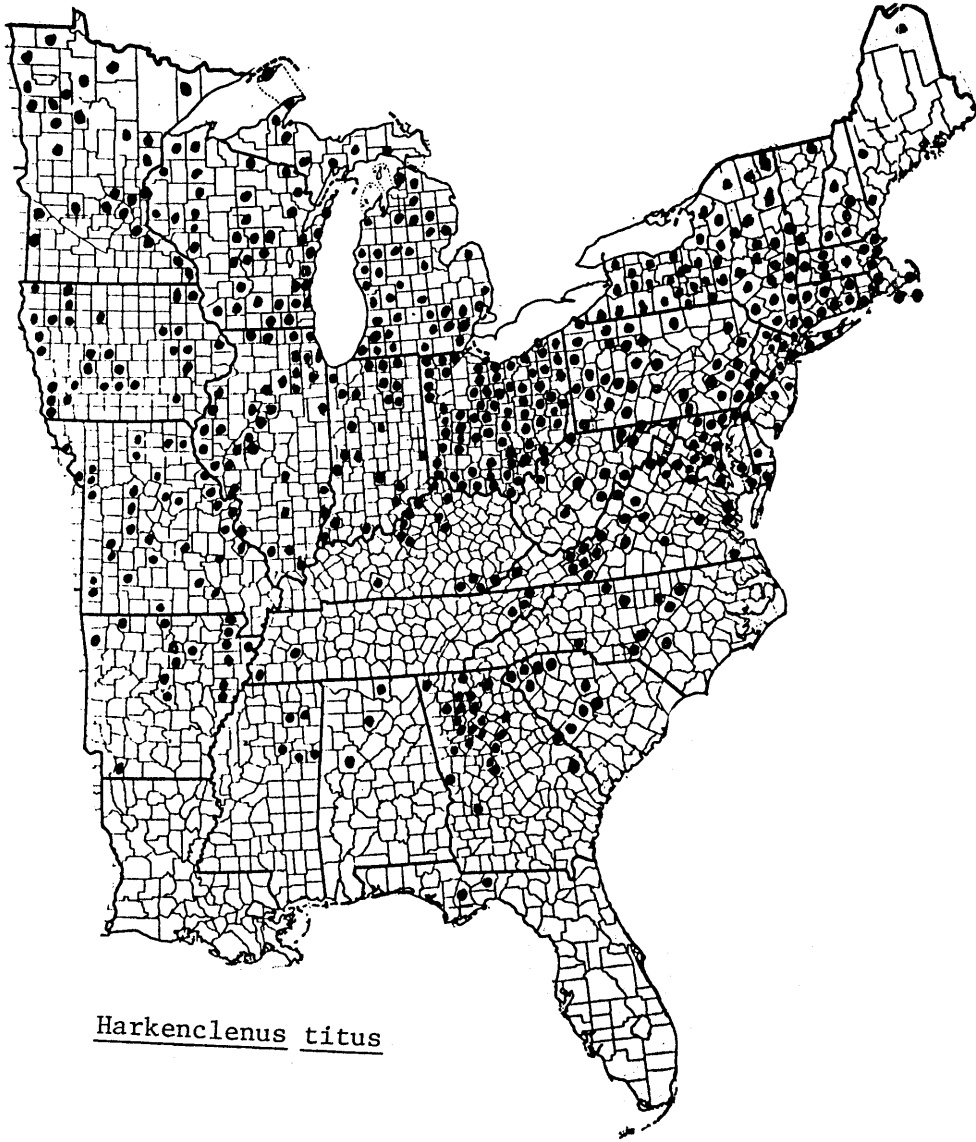


Electrostrymon angelia

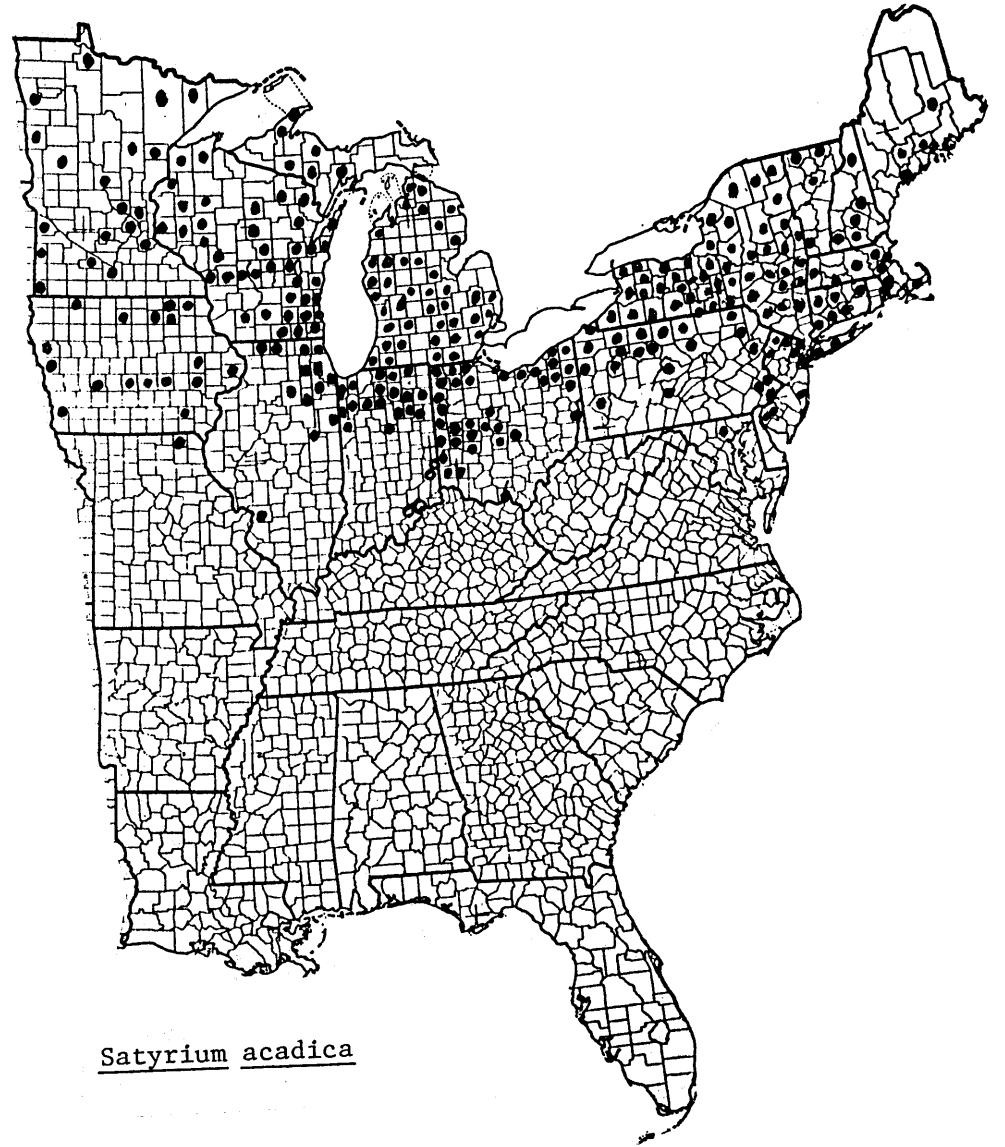


Phaeostrymon alcestis

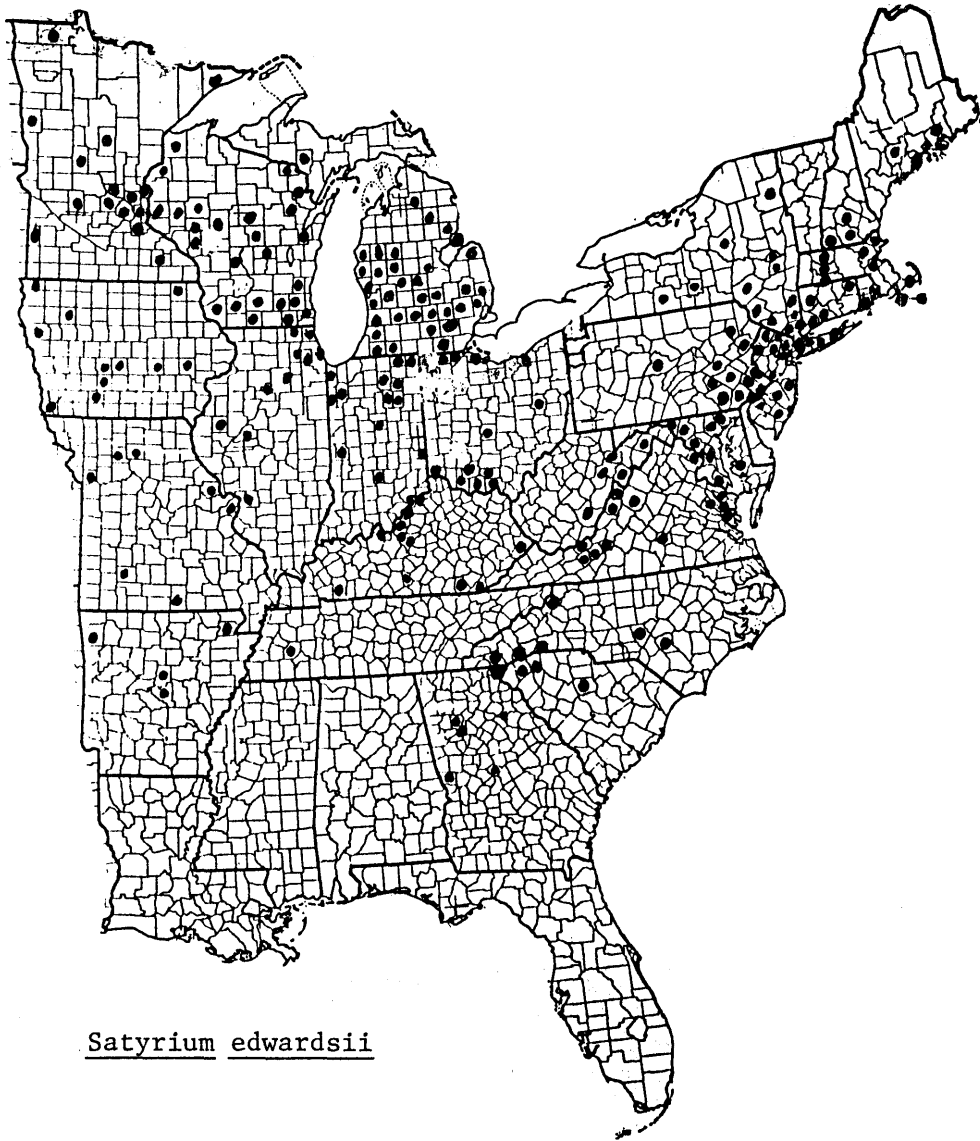




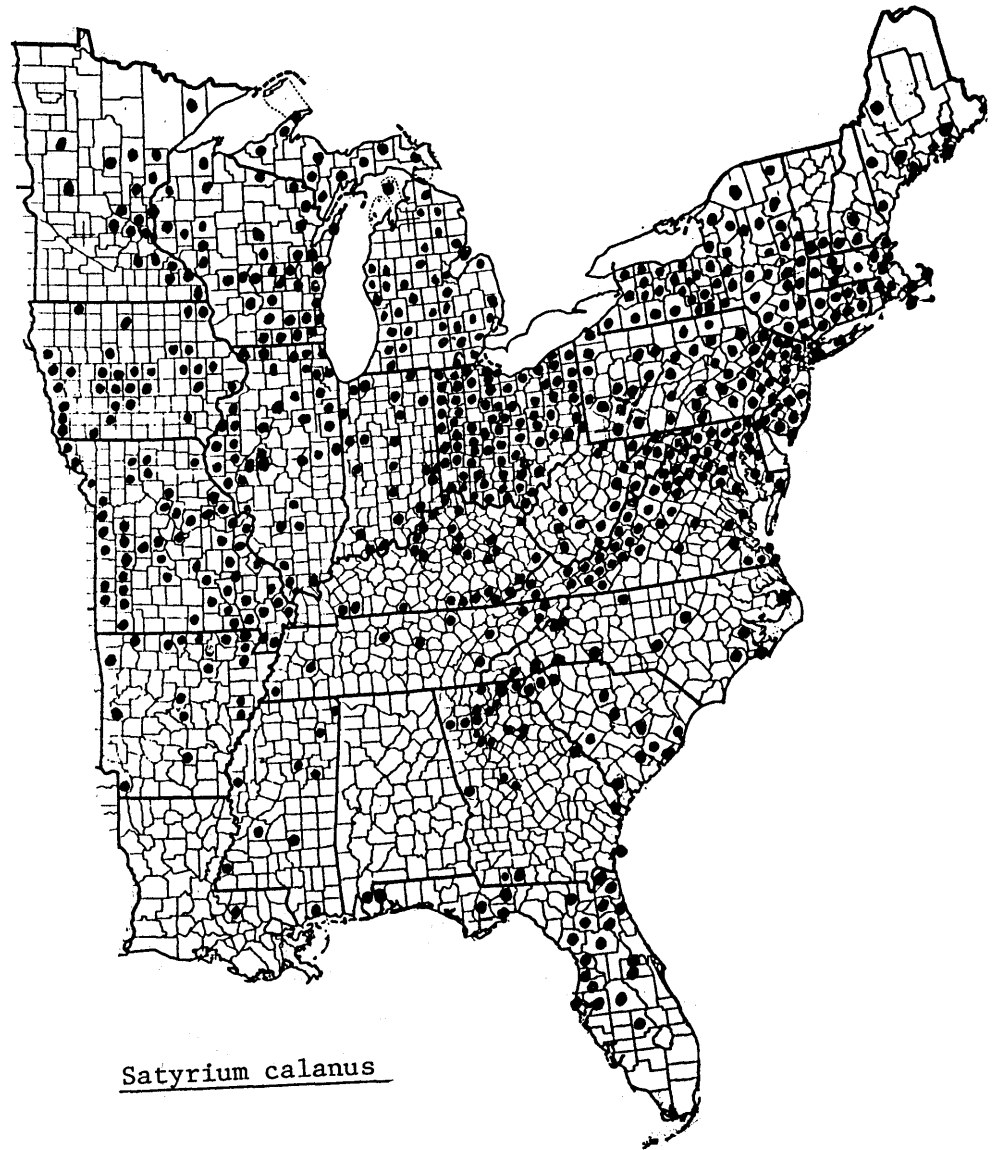
Harknclenus titus



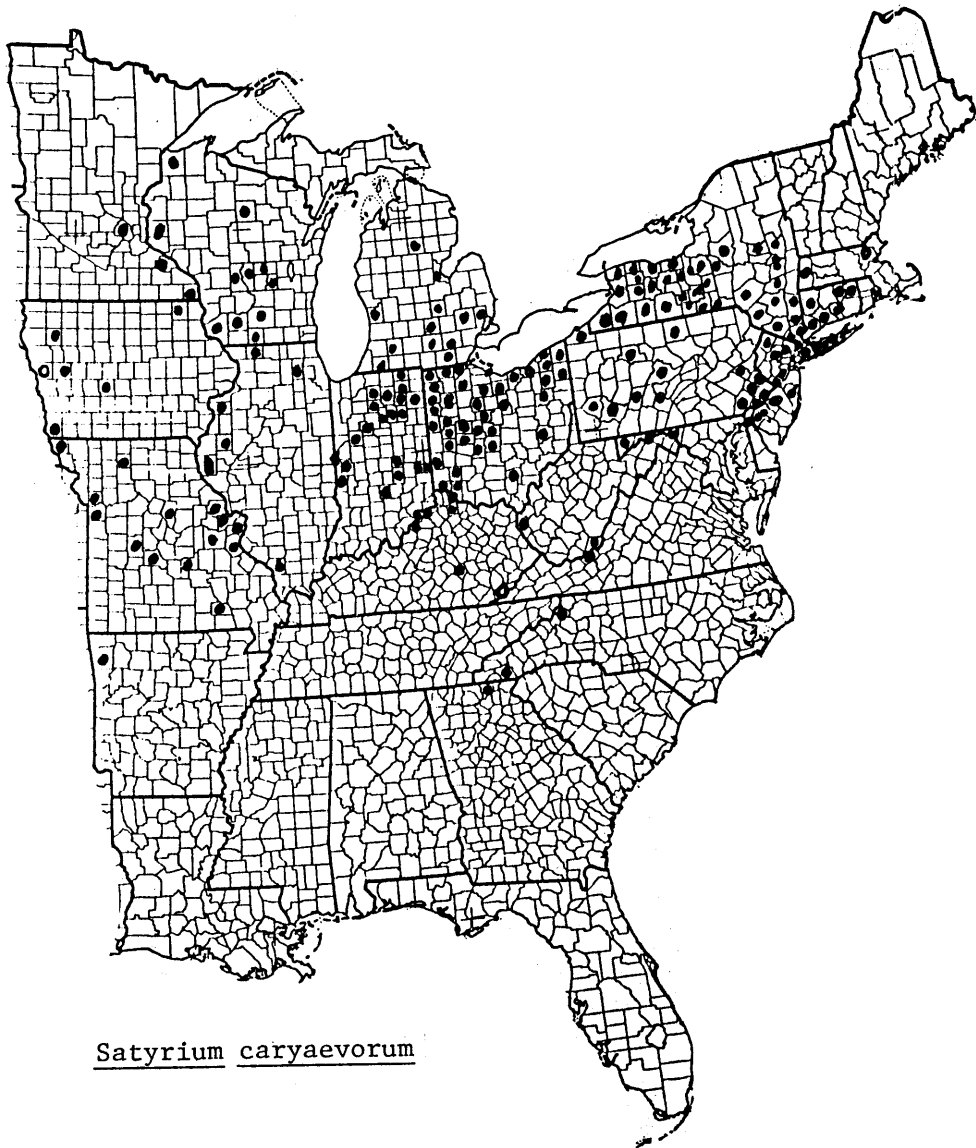
Satyrium acadica



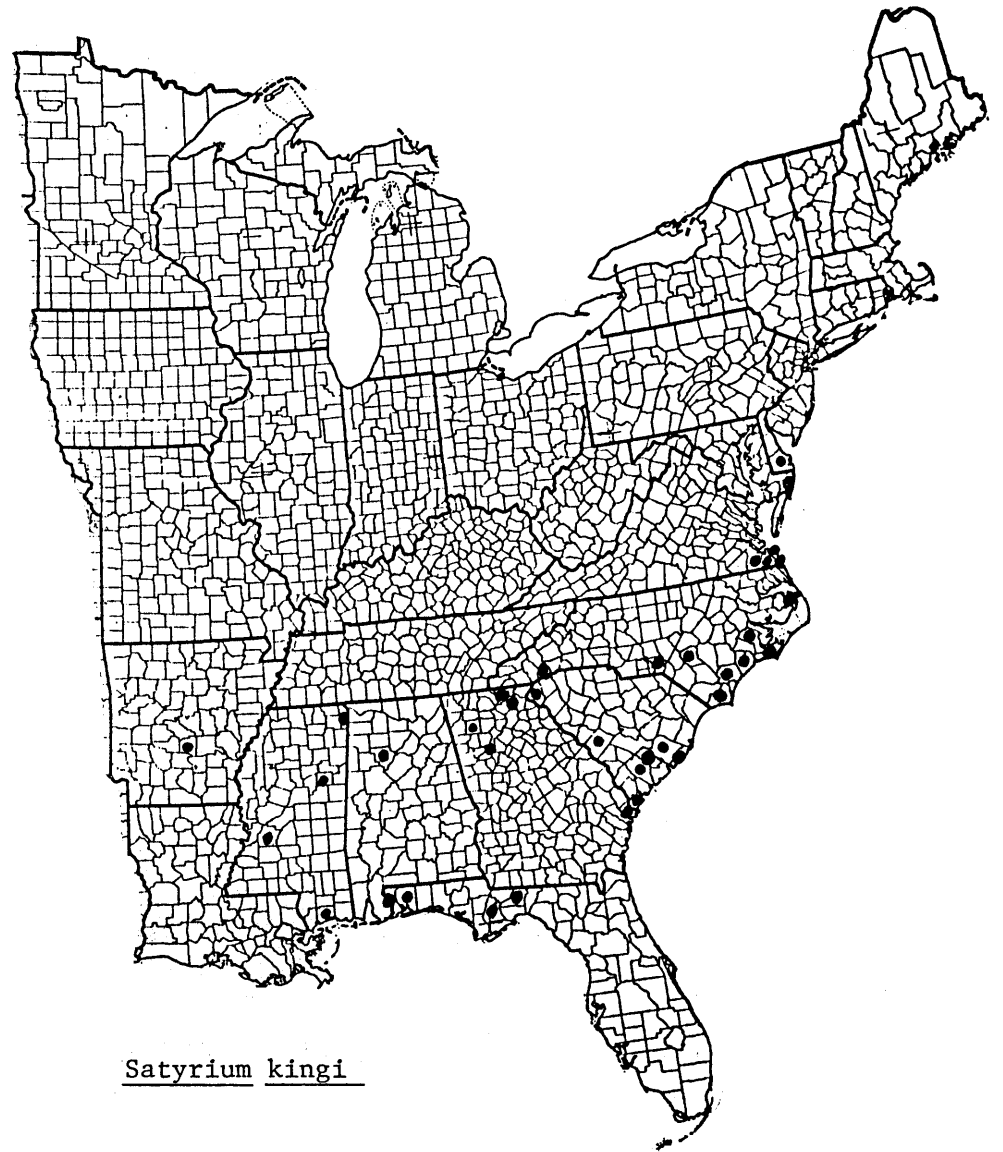
Satyrium edwardsii



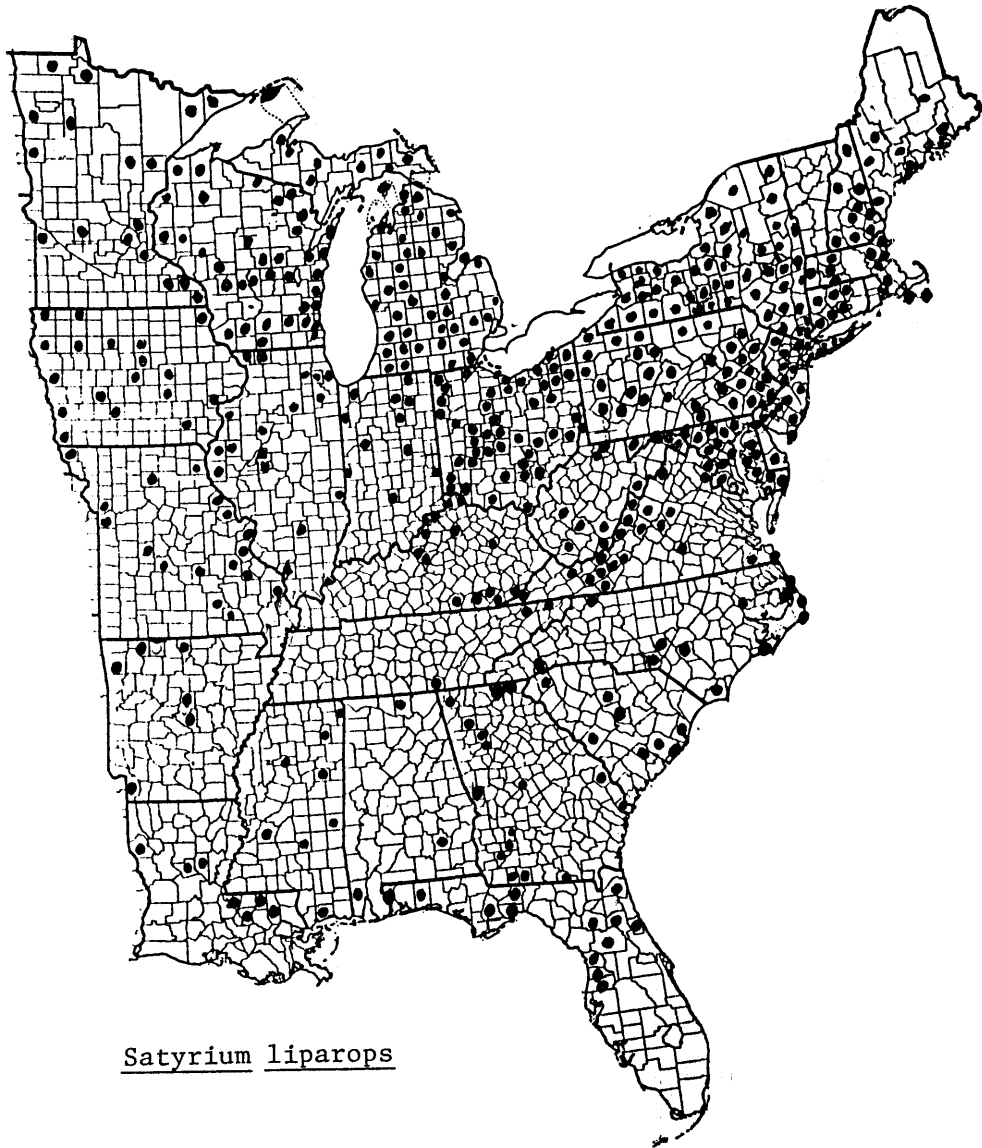
Satyrium calanus

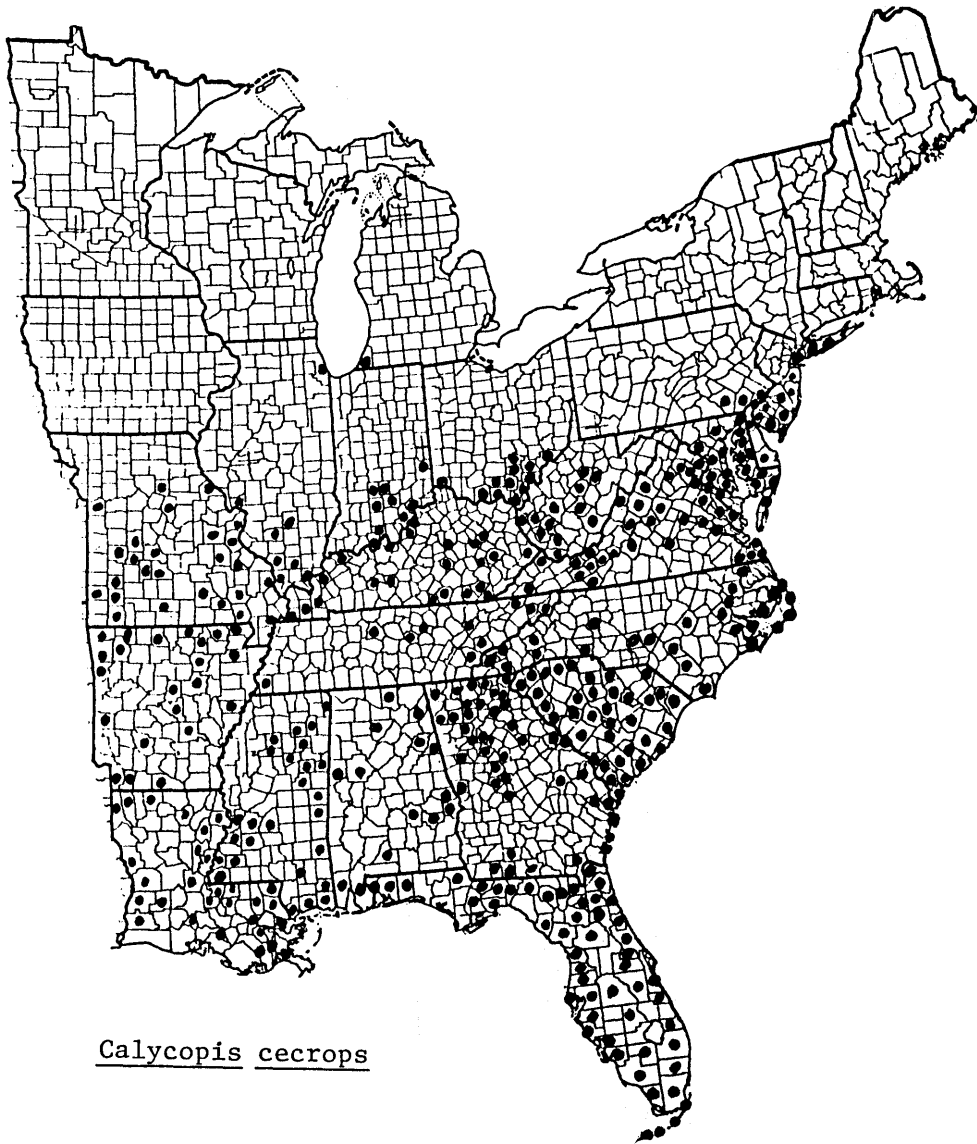


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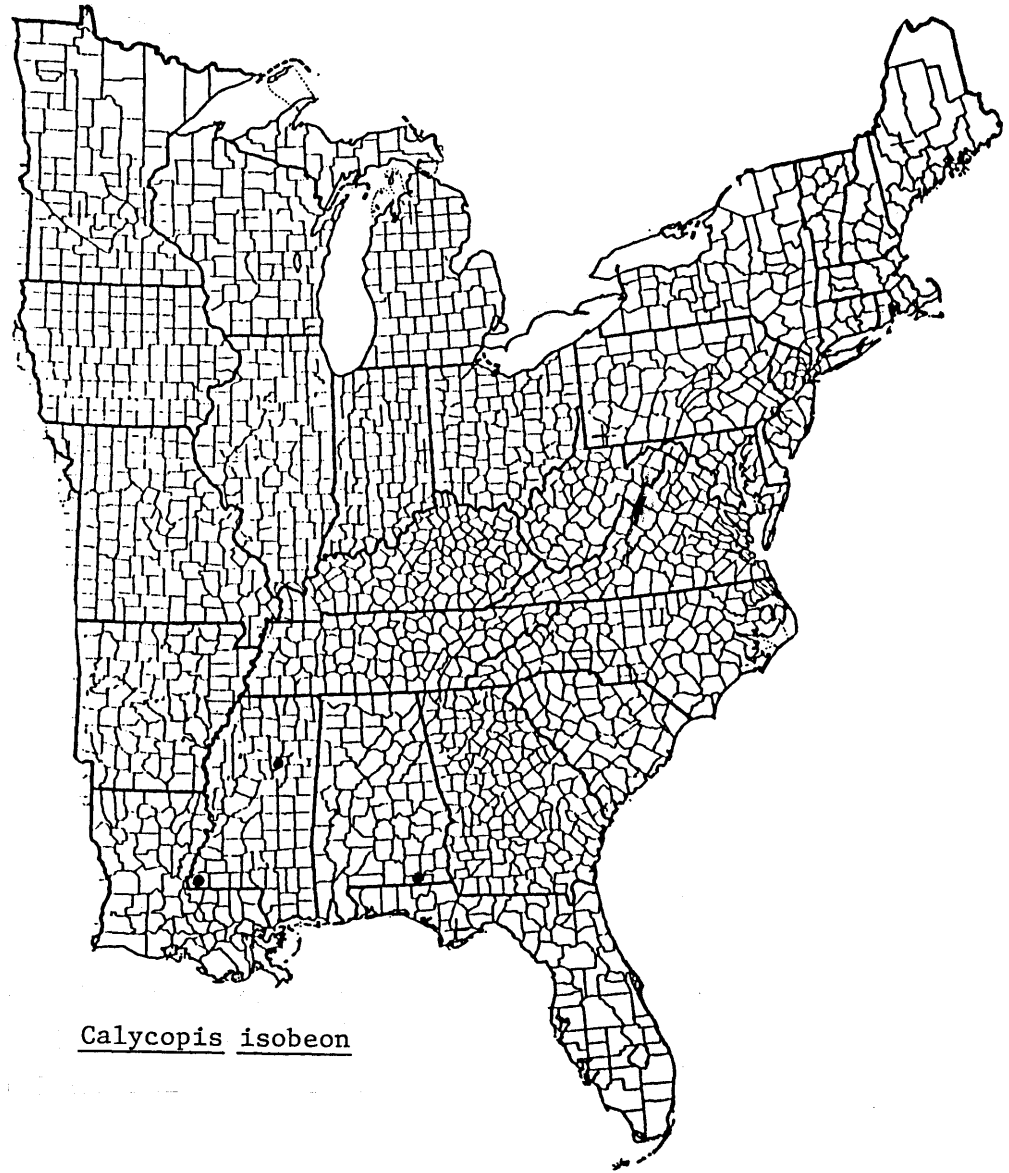


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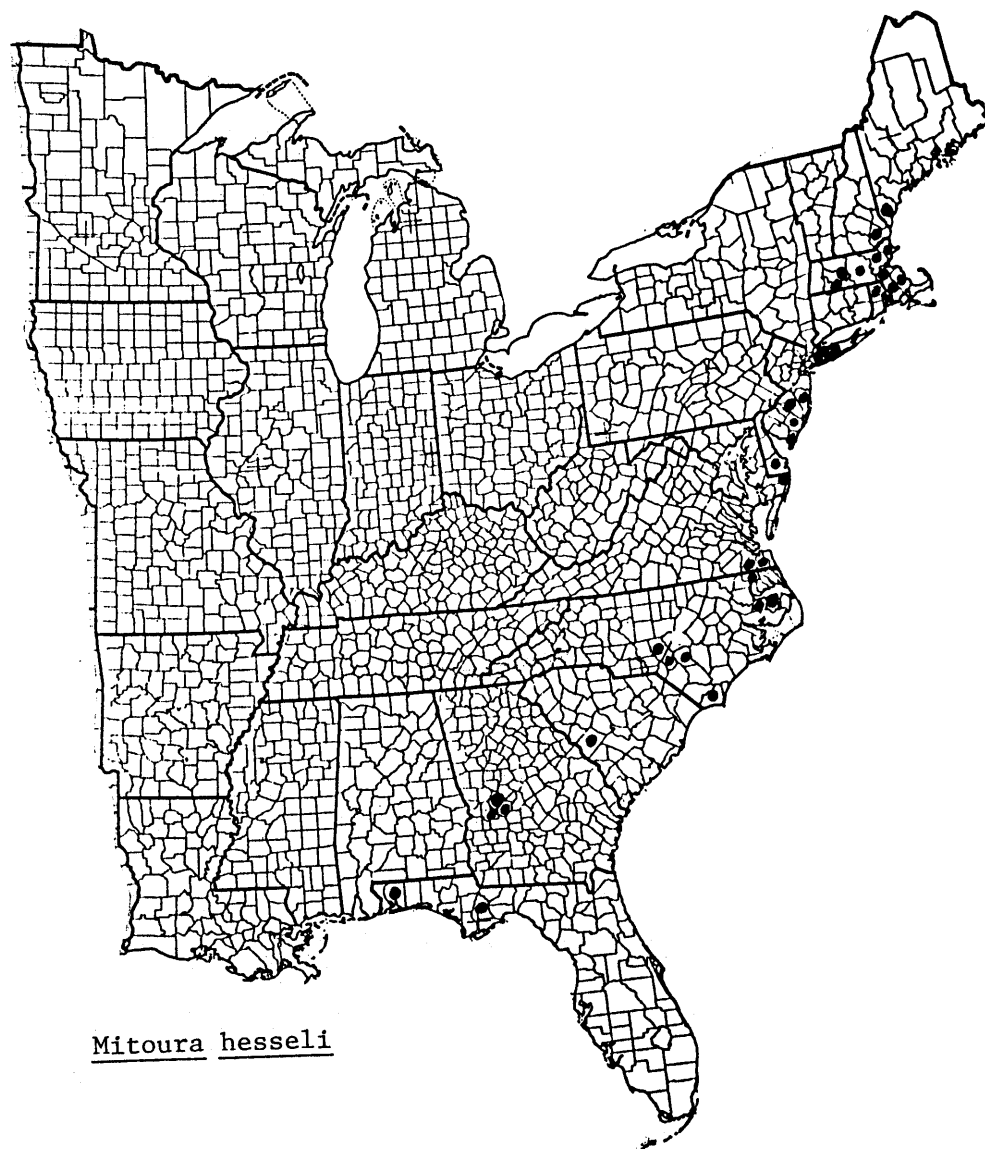
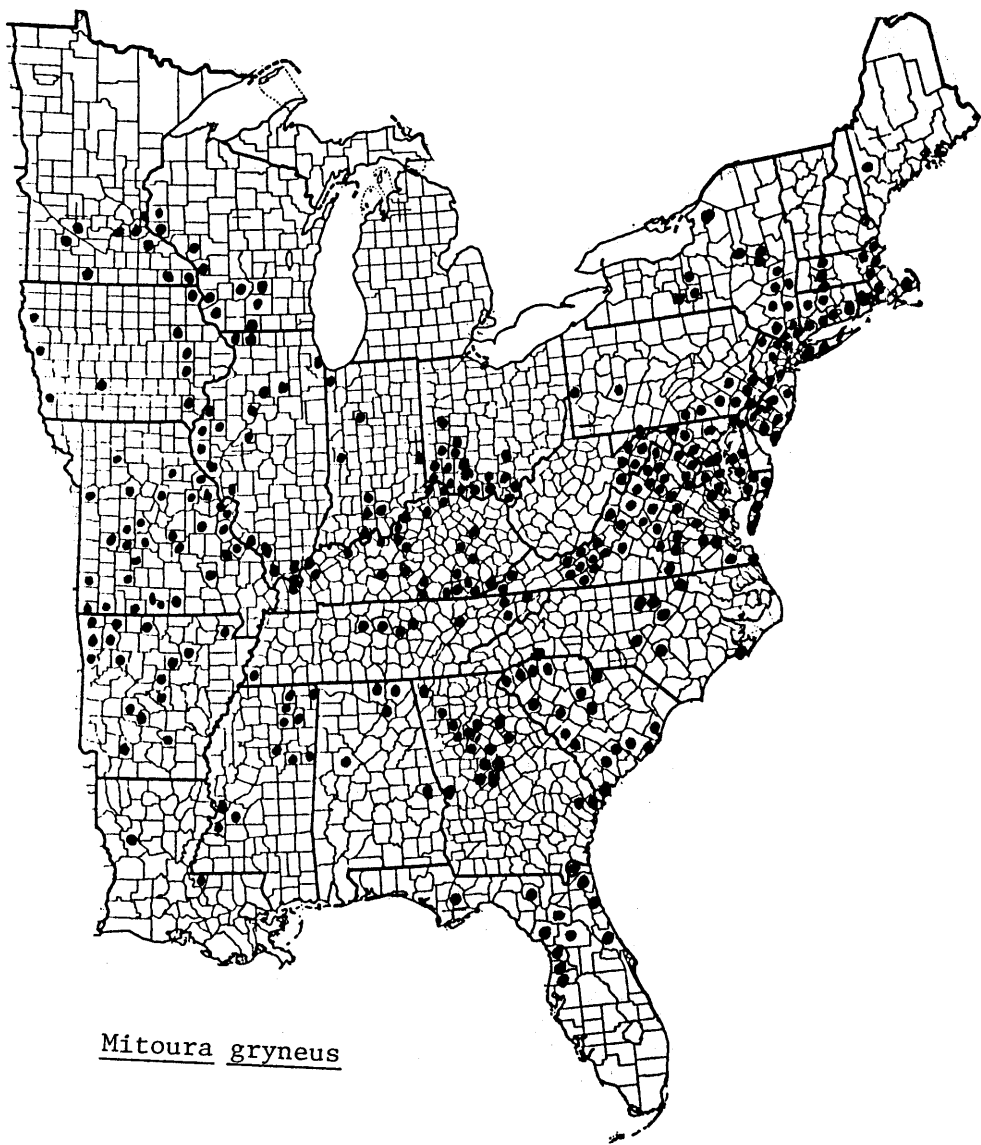


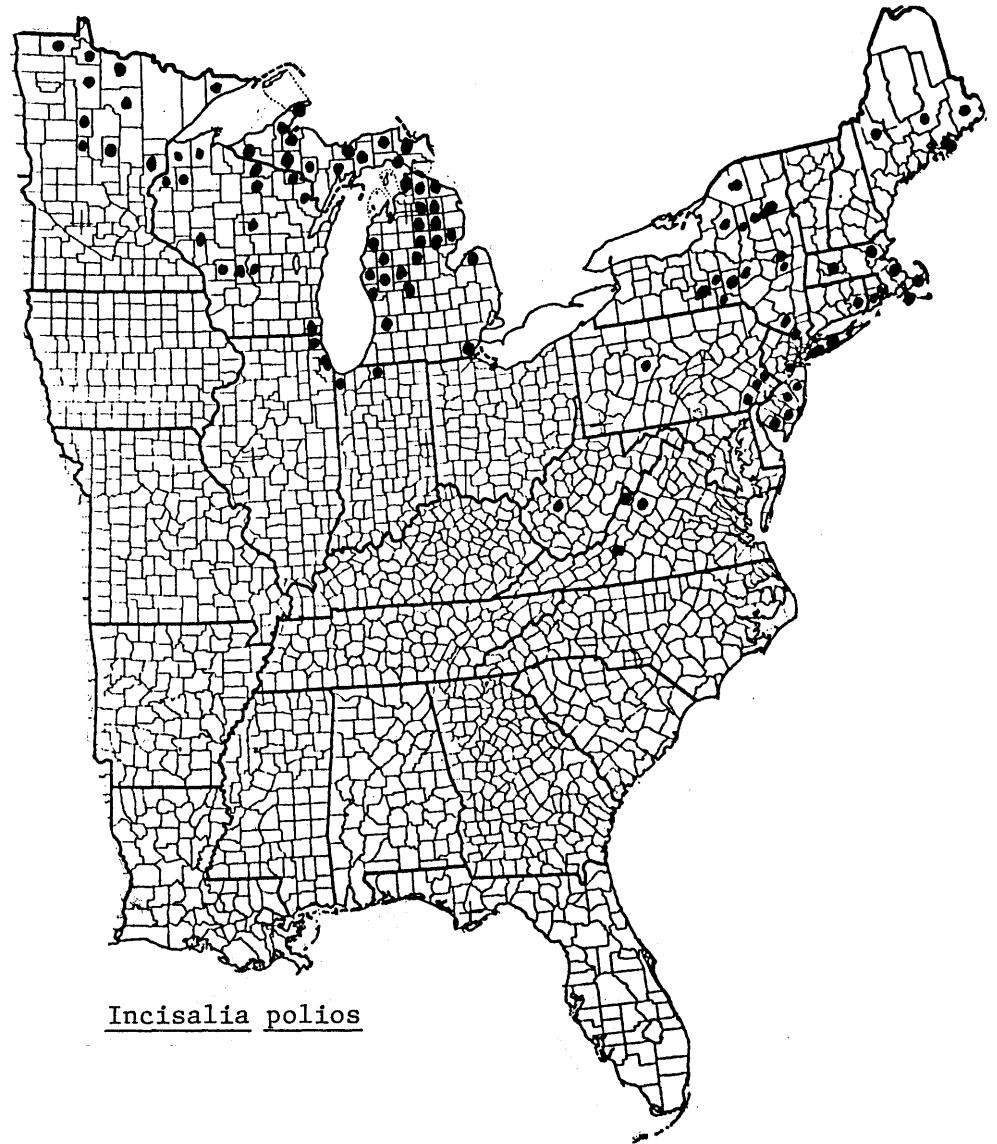
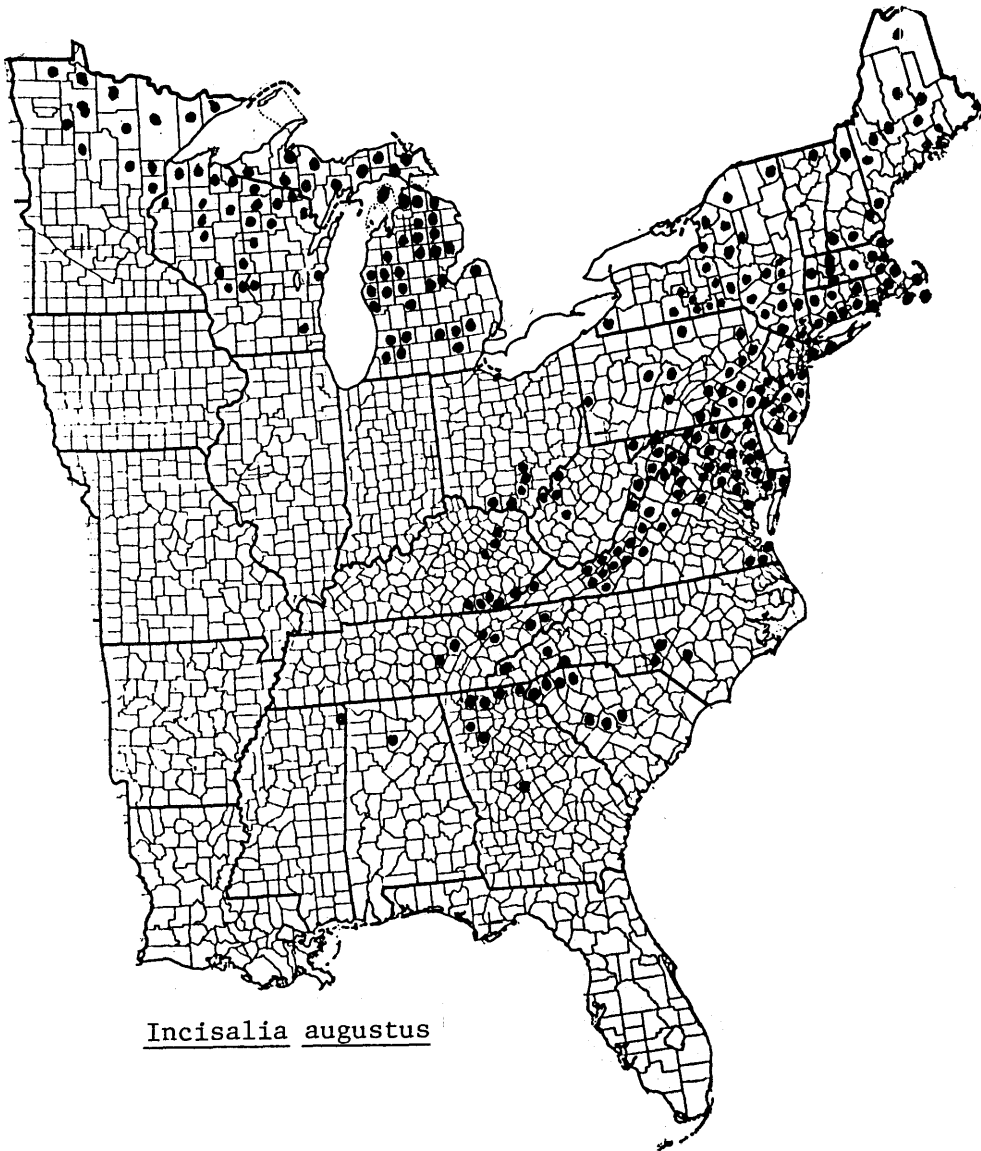


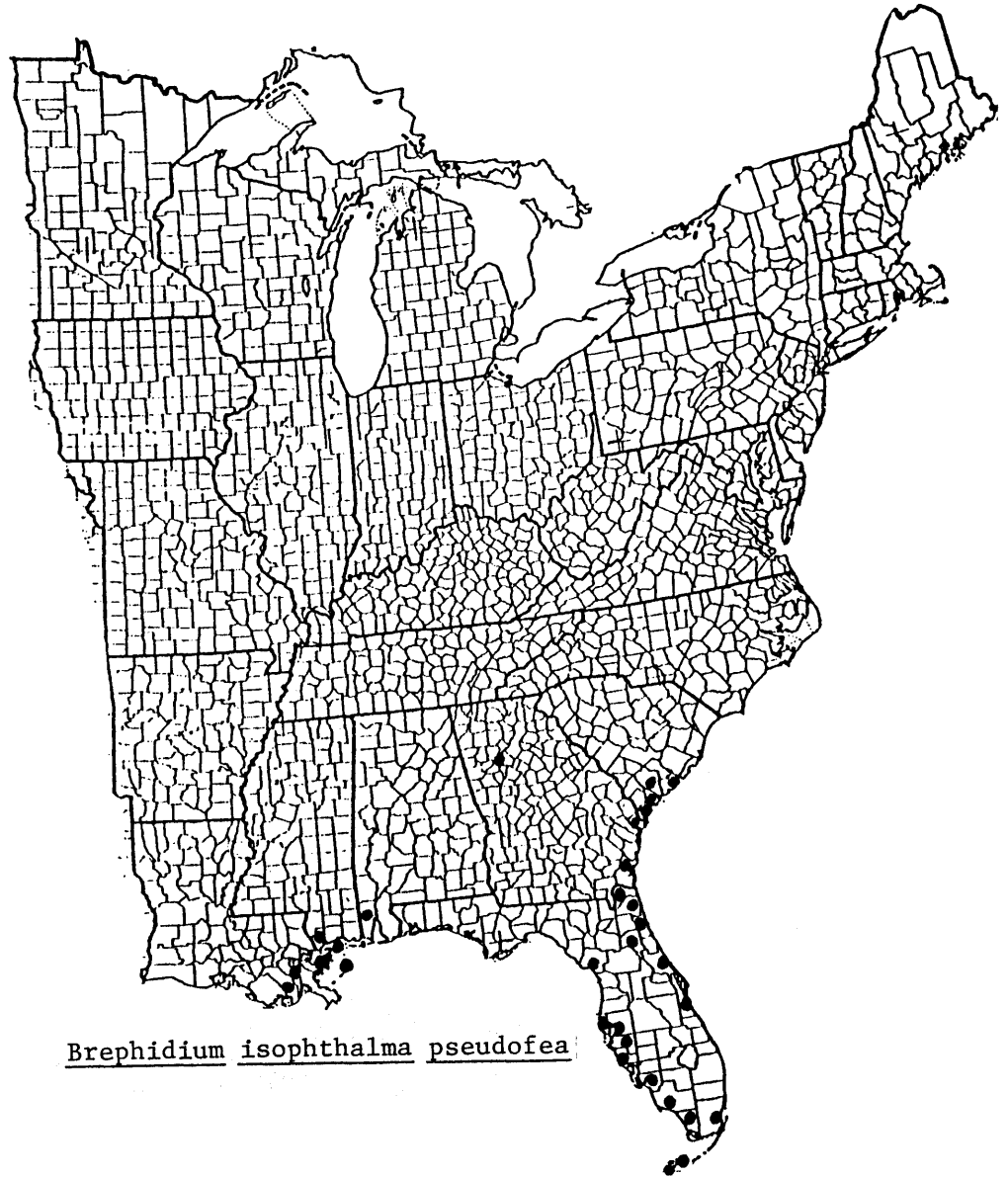
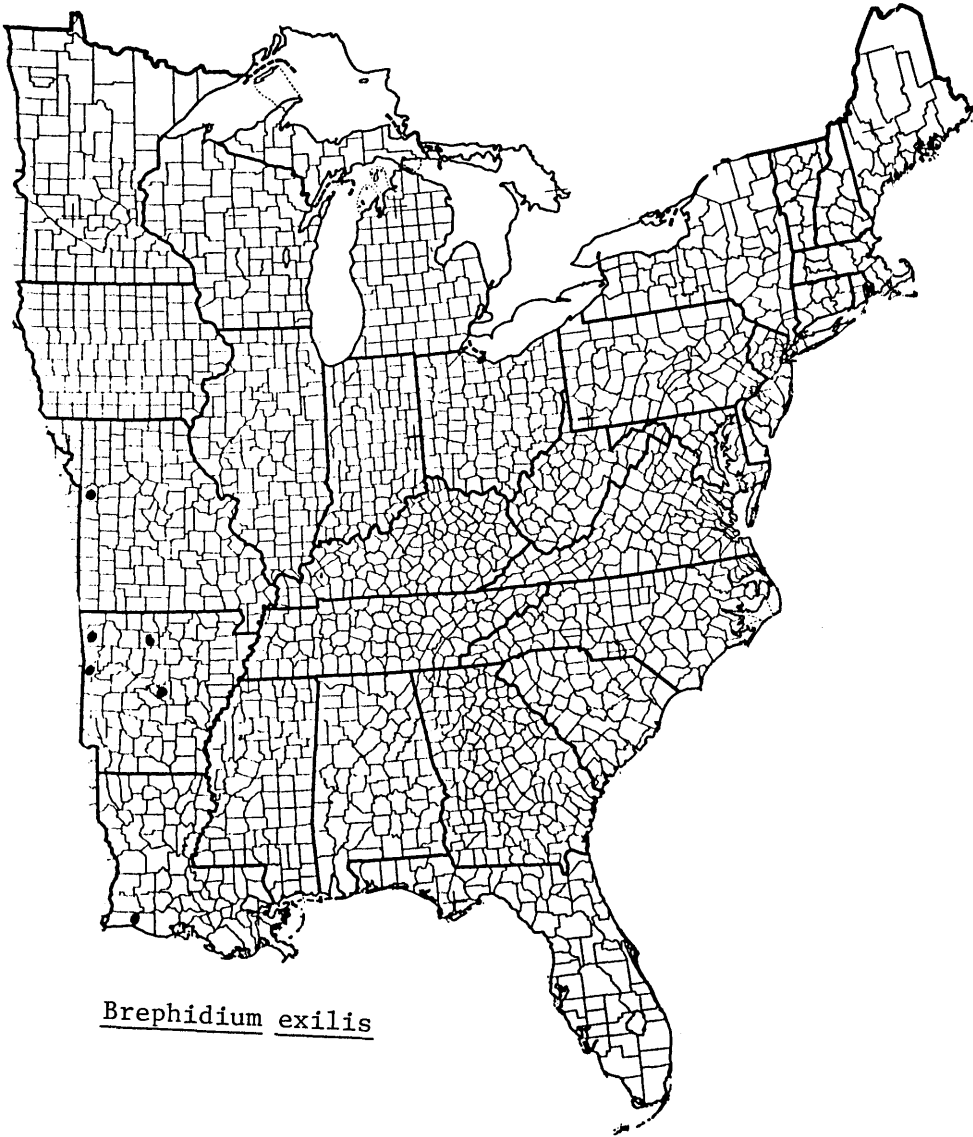
Calycopis cecrops

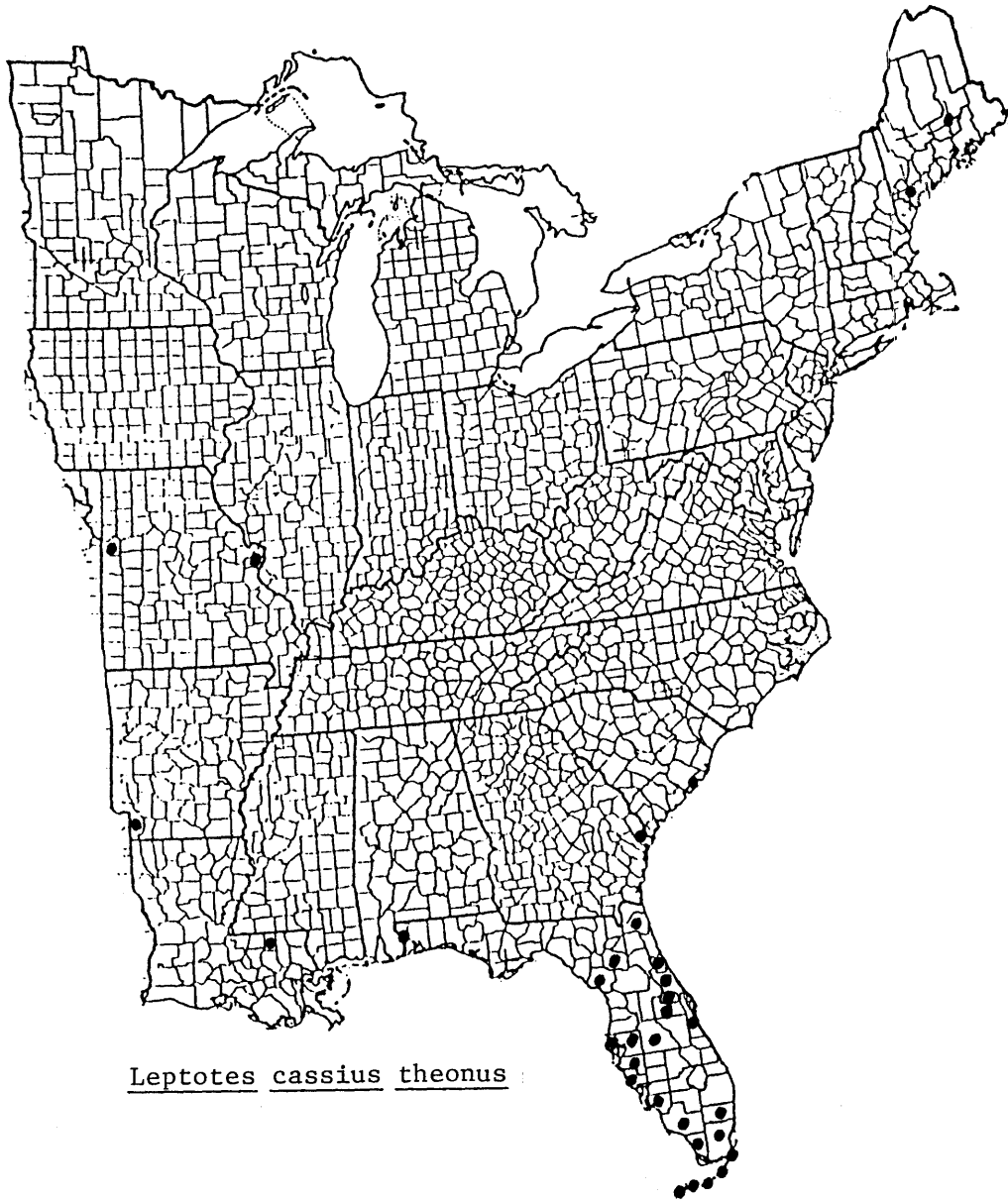


Calycopis isobeon



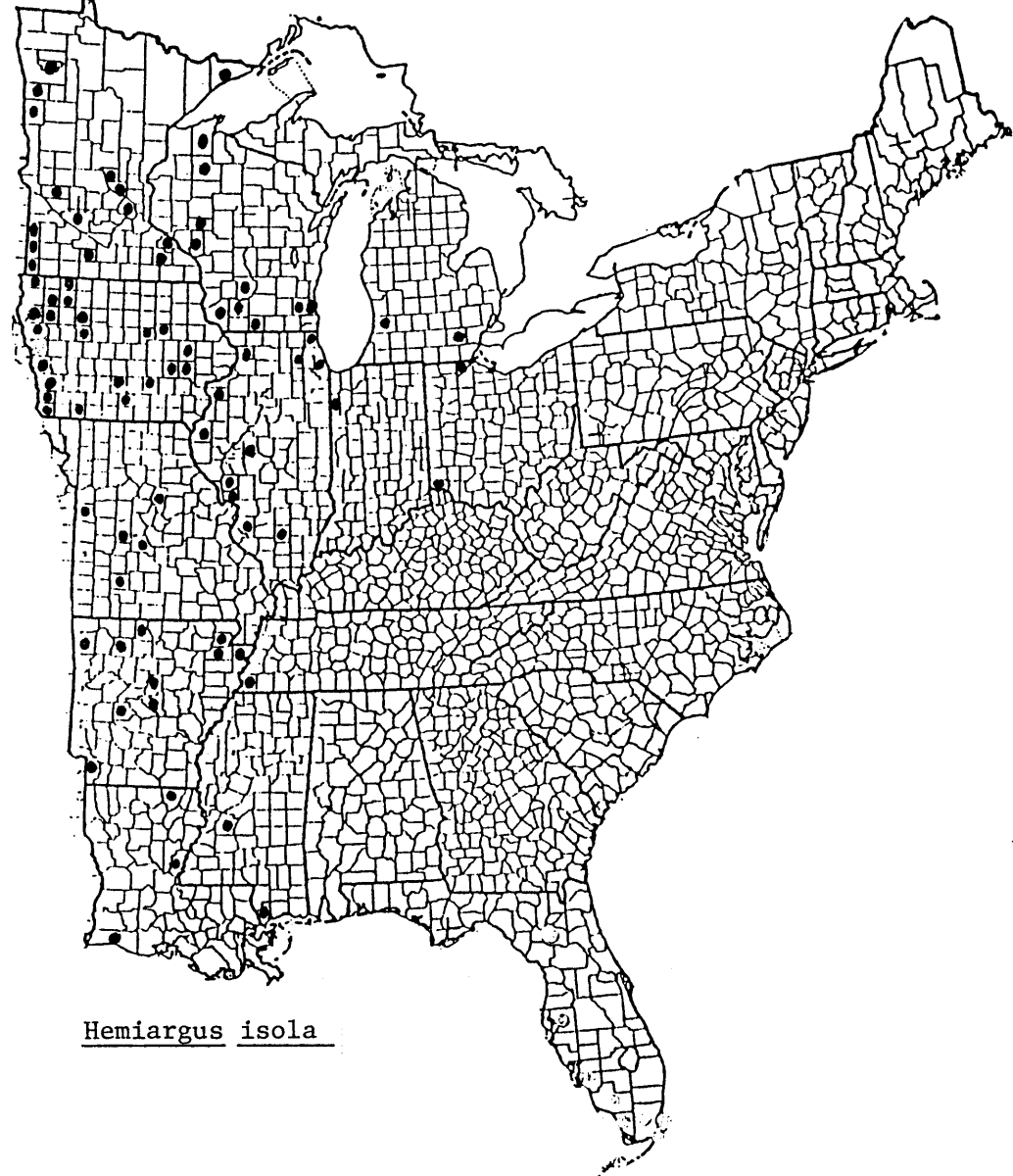








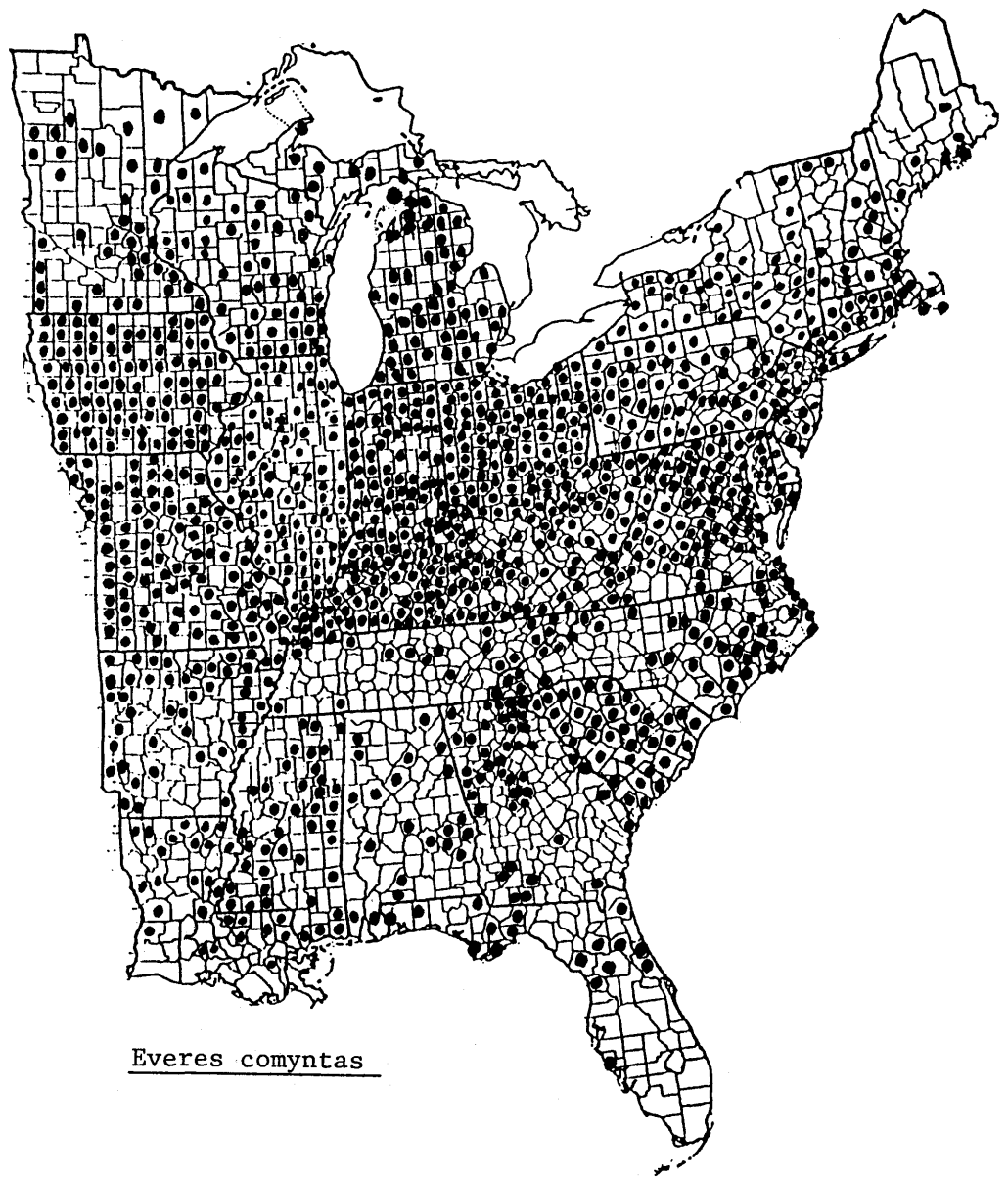
Hemiargus thomasi bethune-bakeri



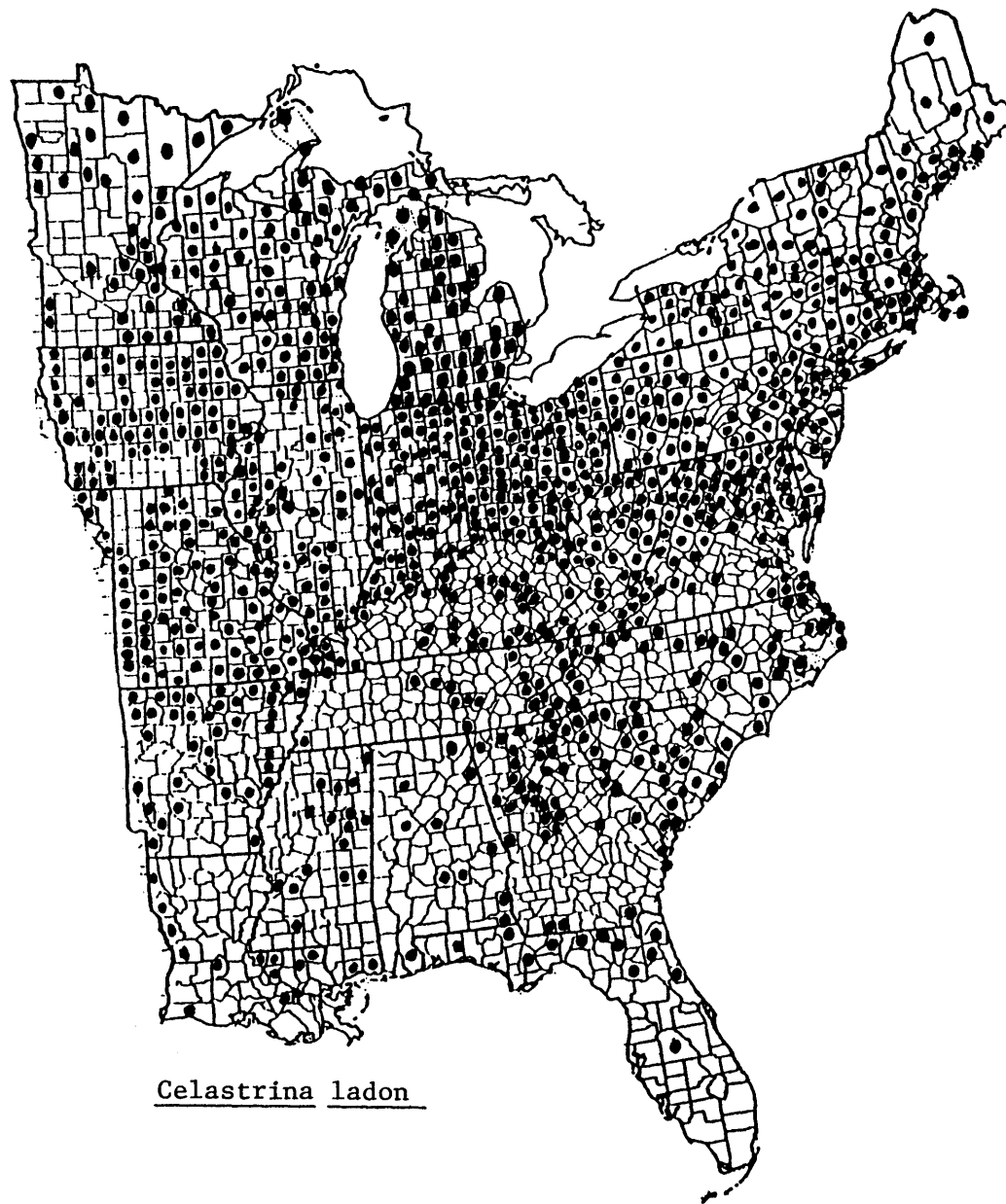
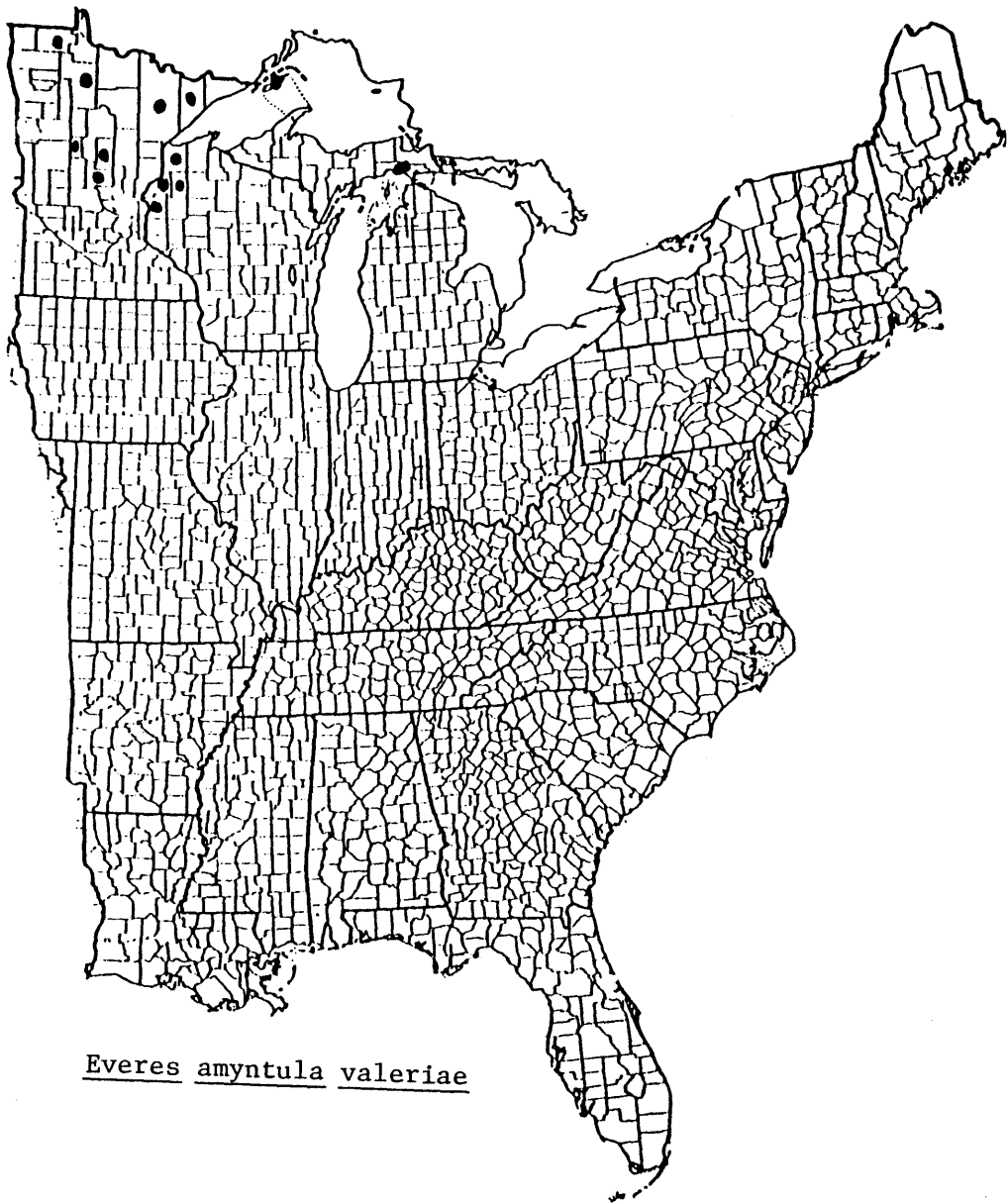
Hemiargus isola

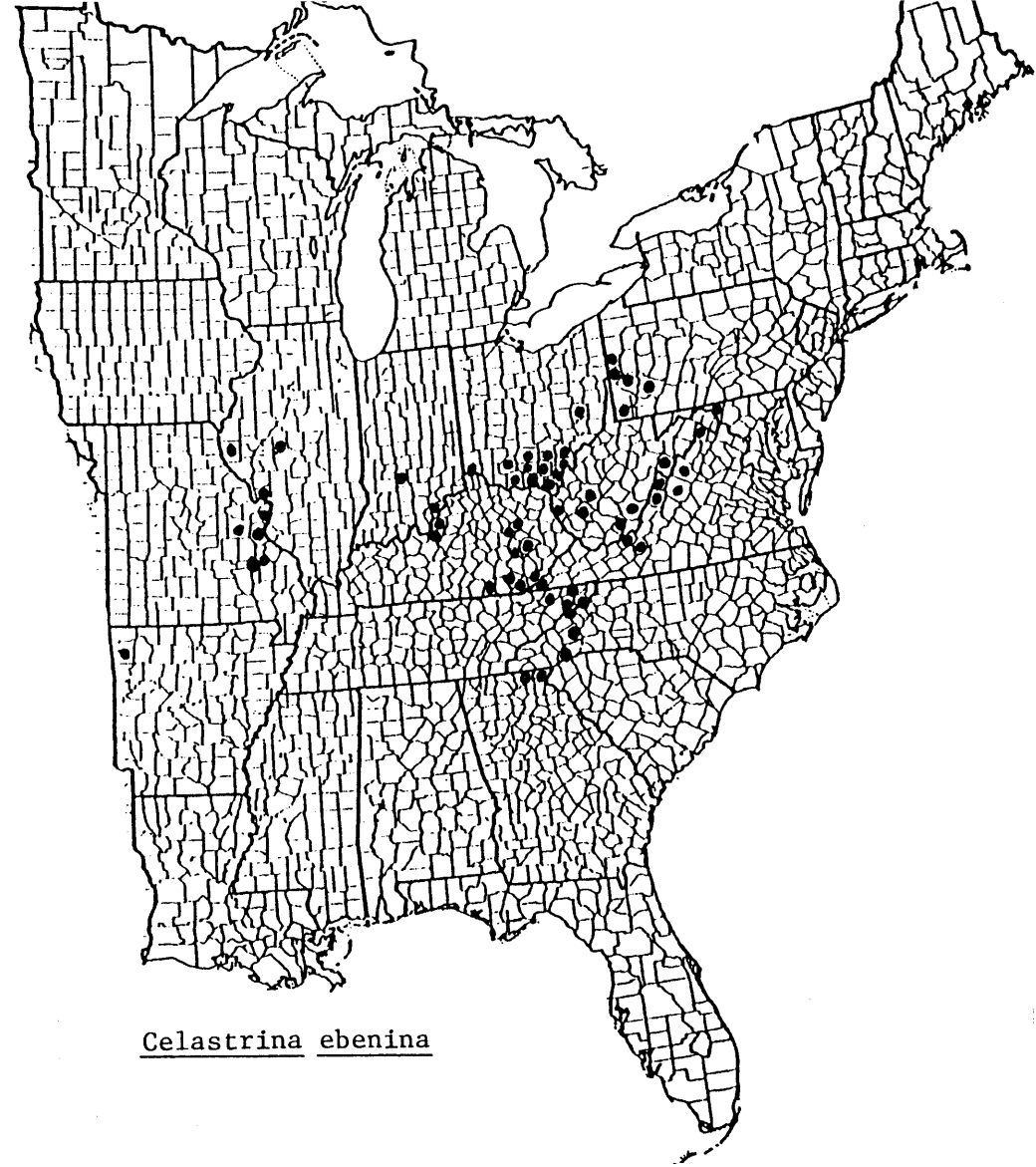


Hemiargus ceraunus antibubastus

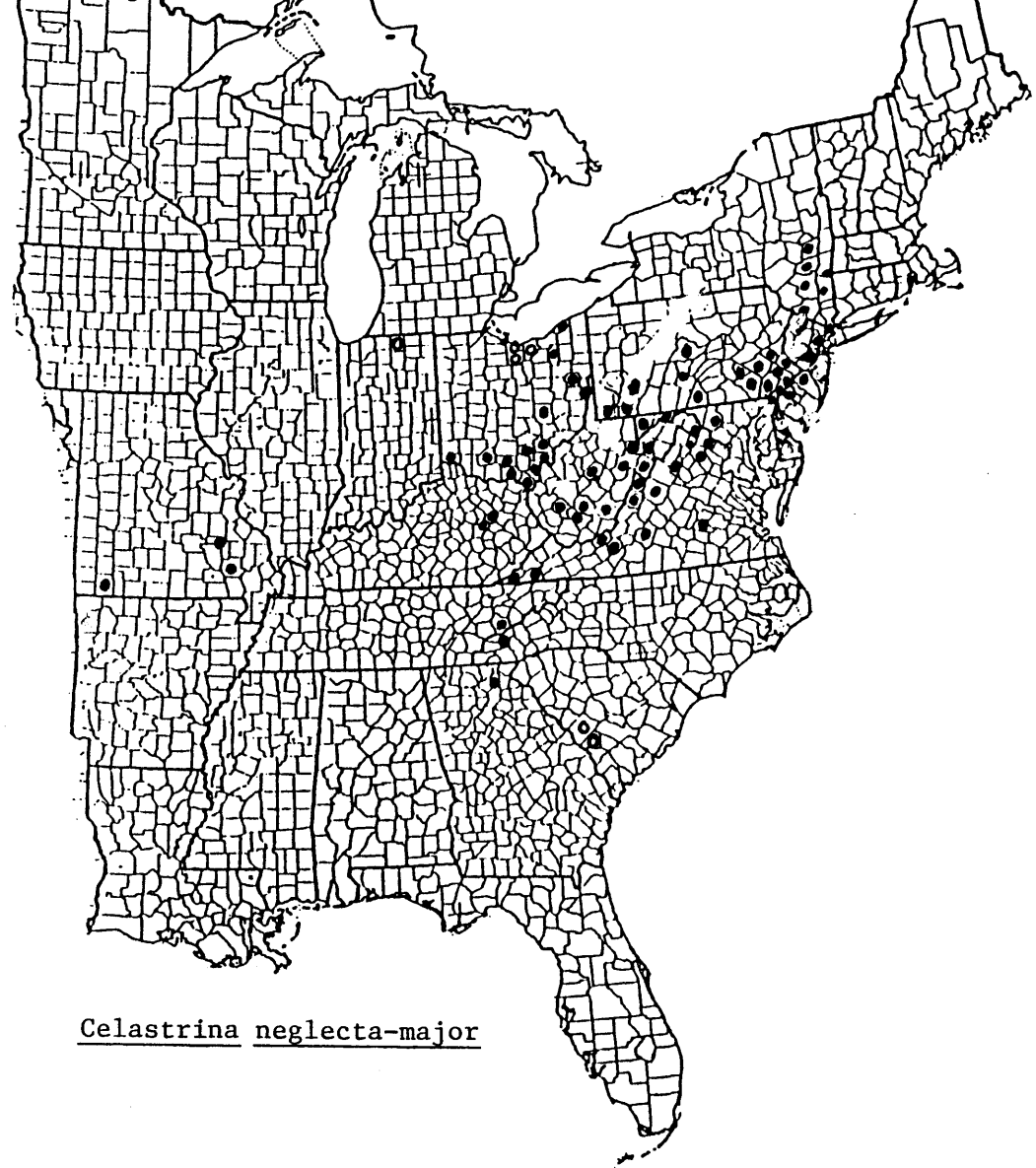


Everes comyntas

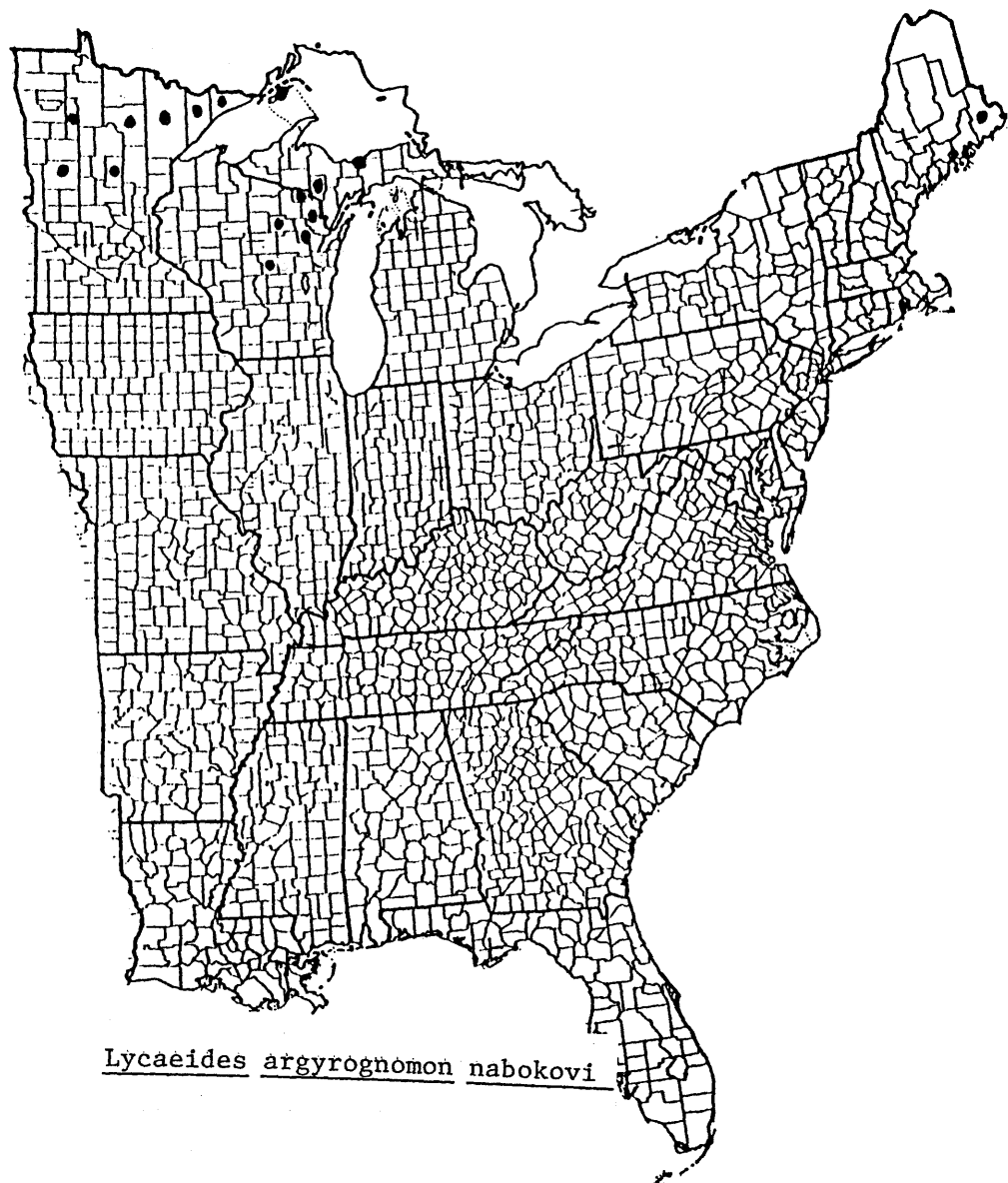
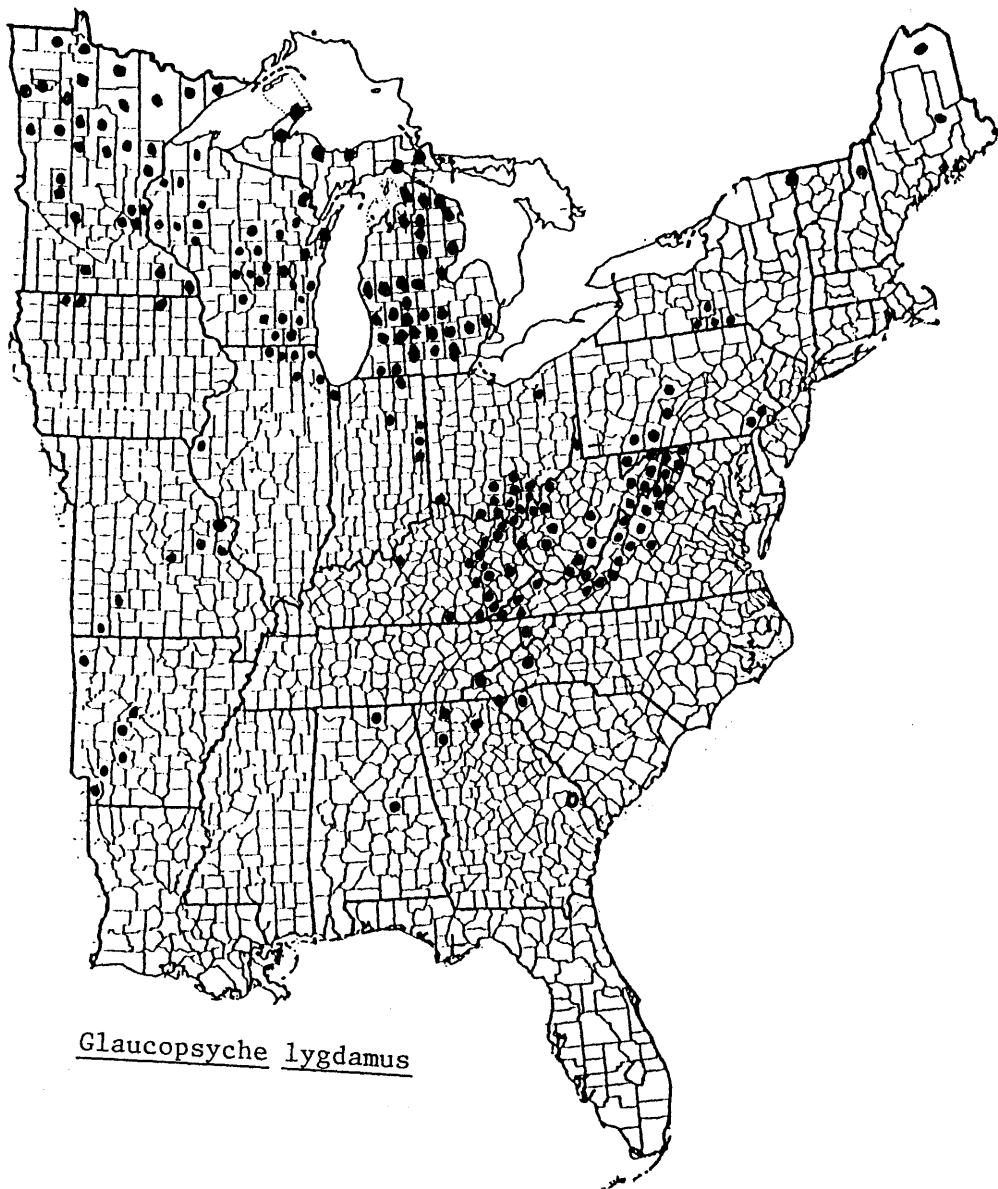


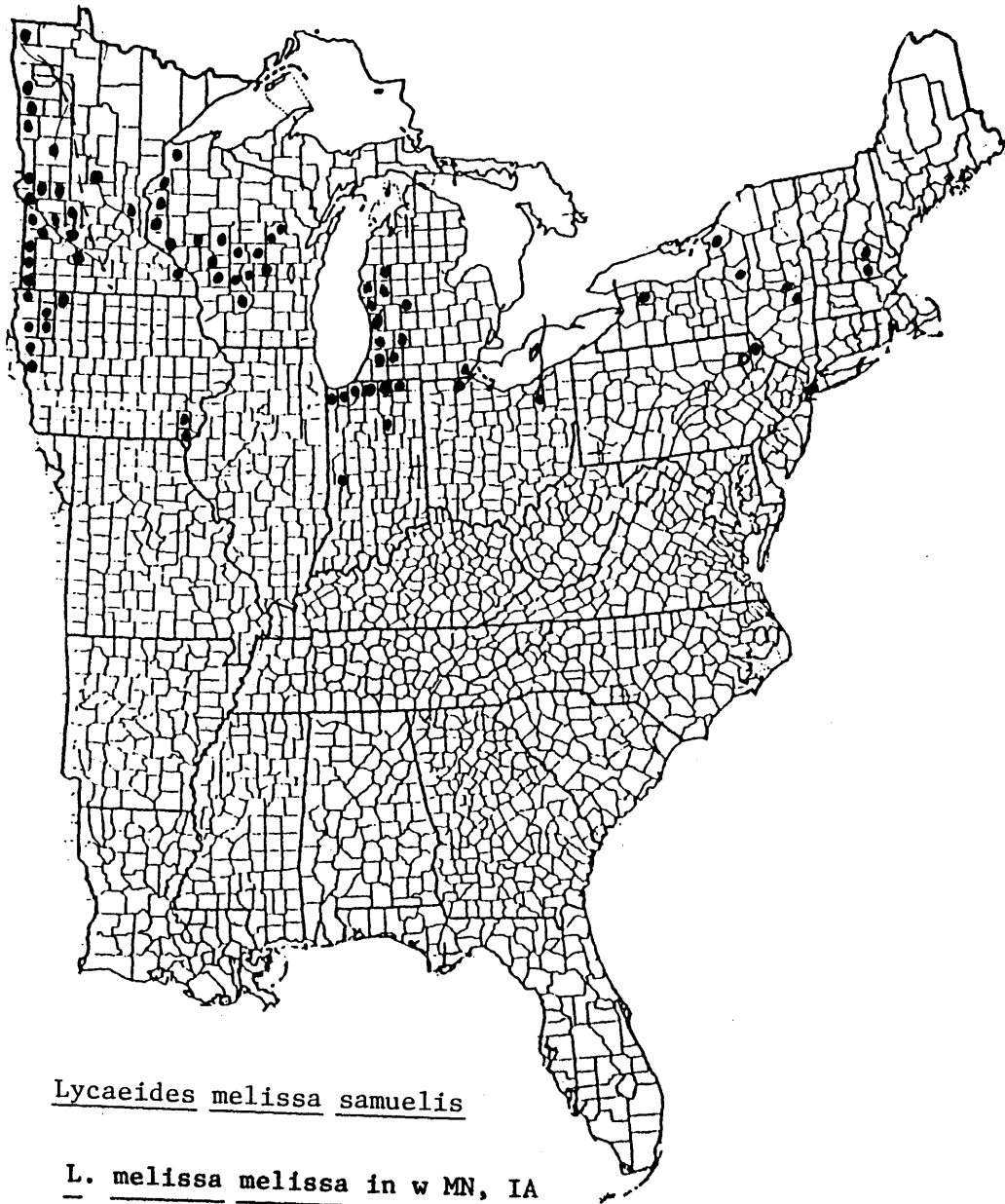


Celastrina ebenina



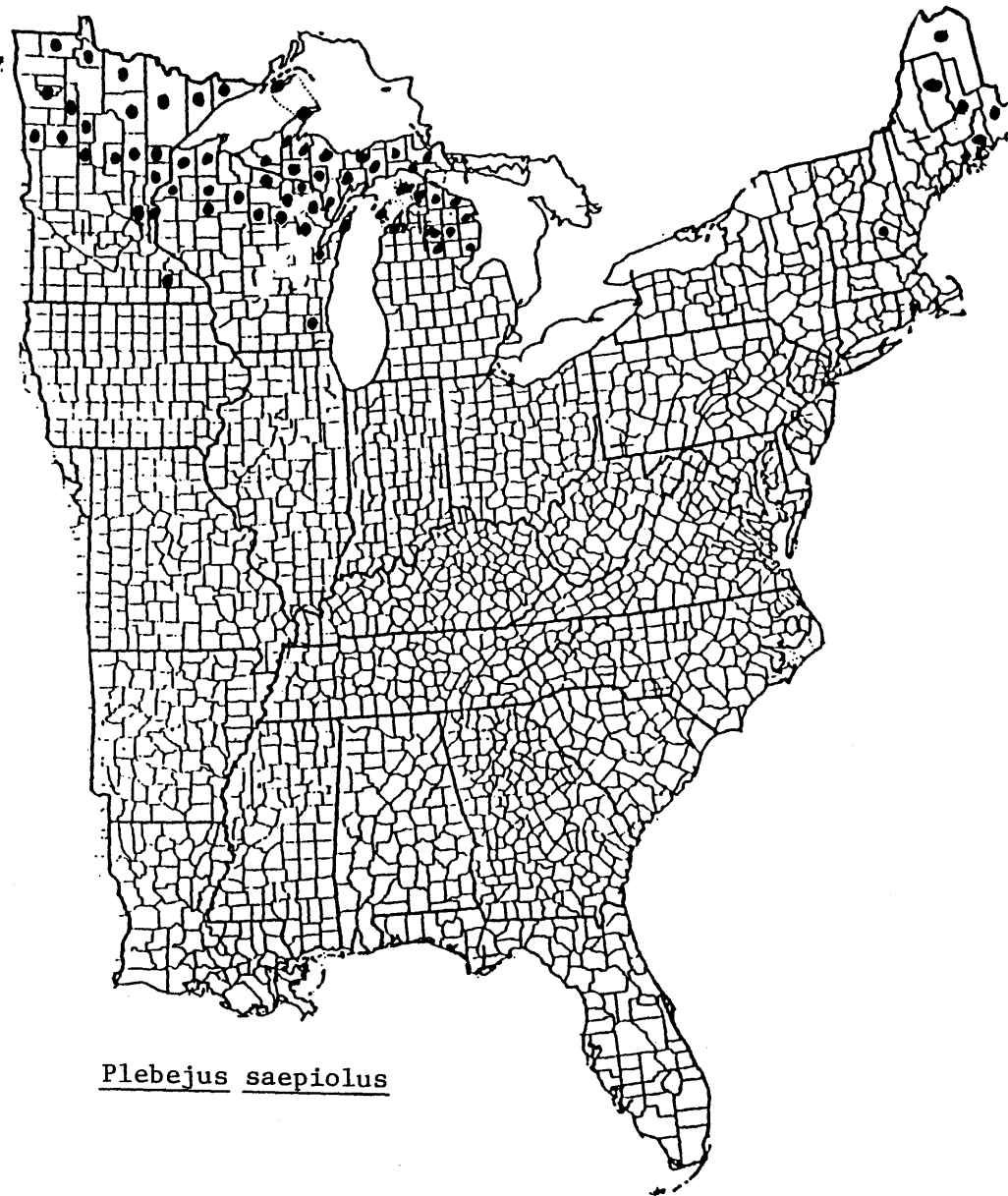
Celastrina neglecta-major



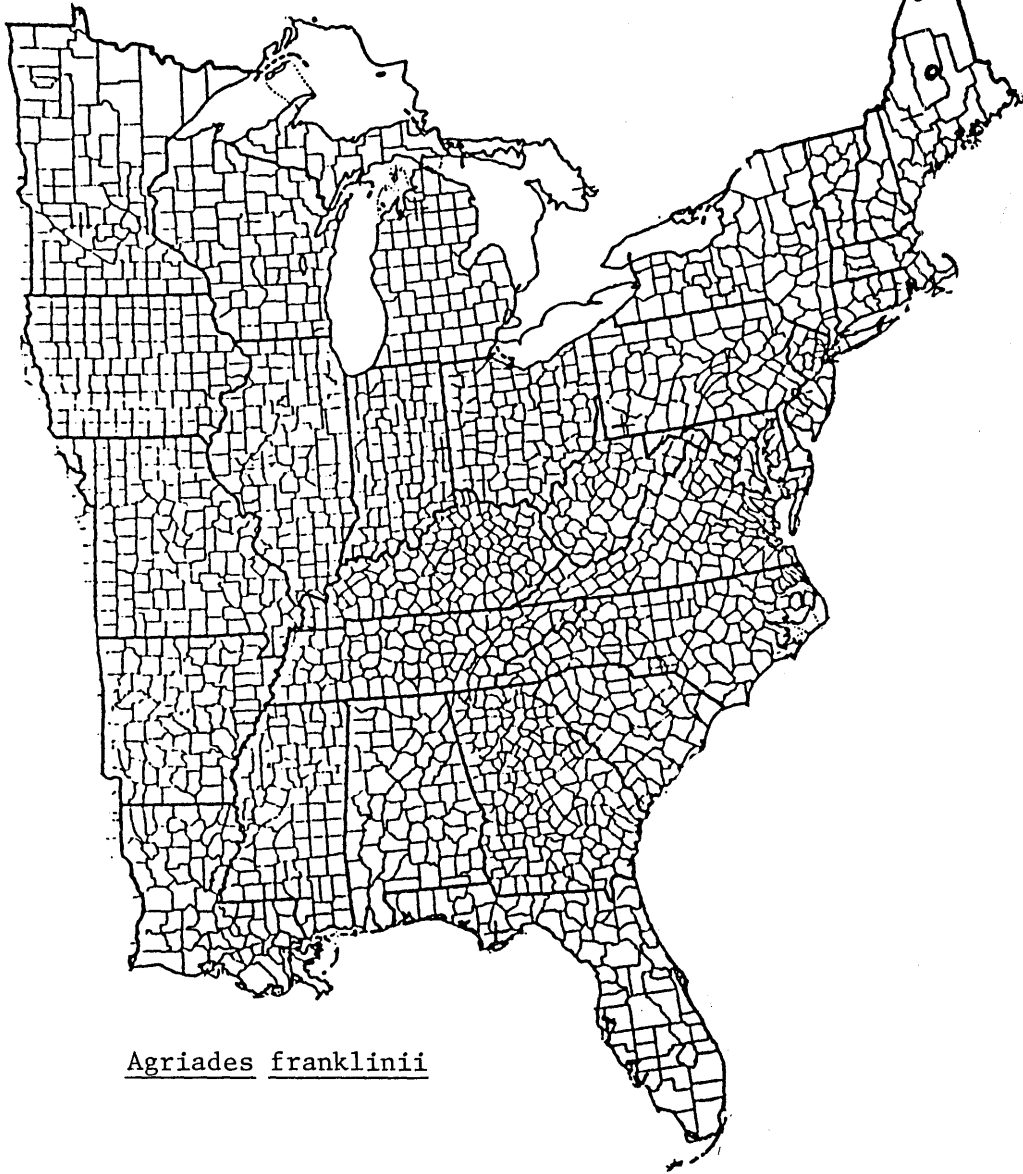


Lycaeides melissa samuelis

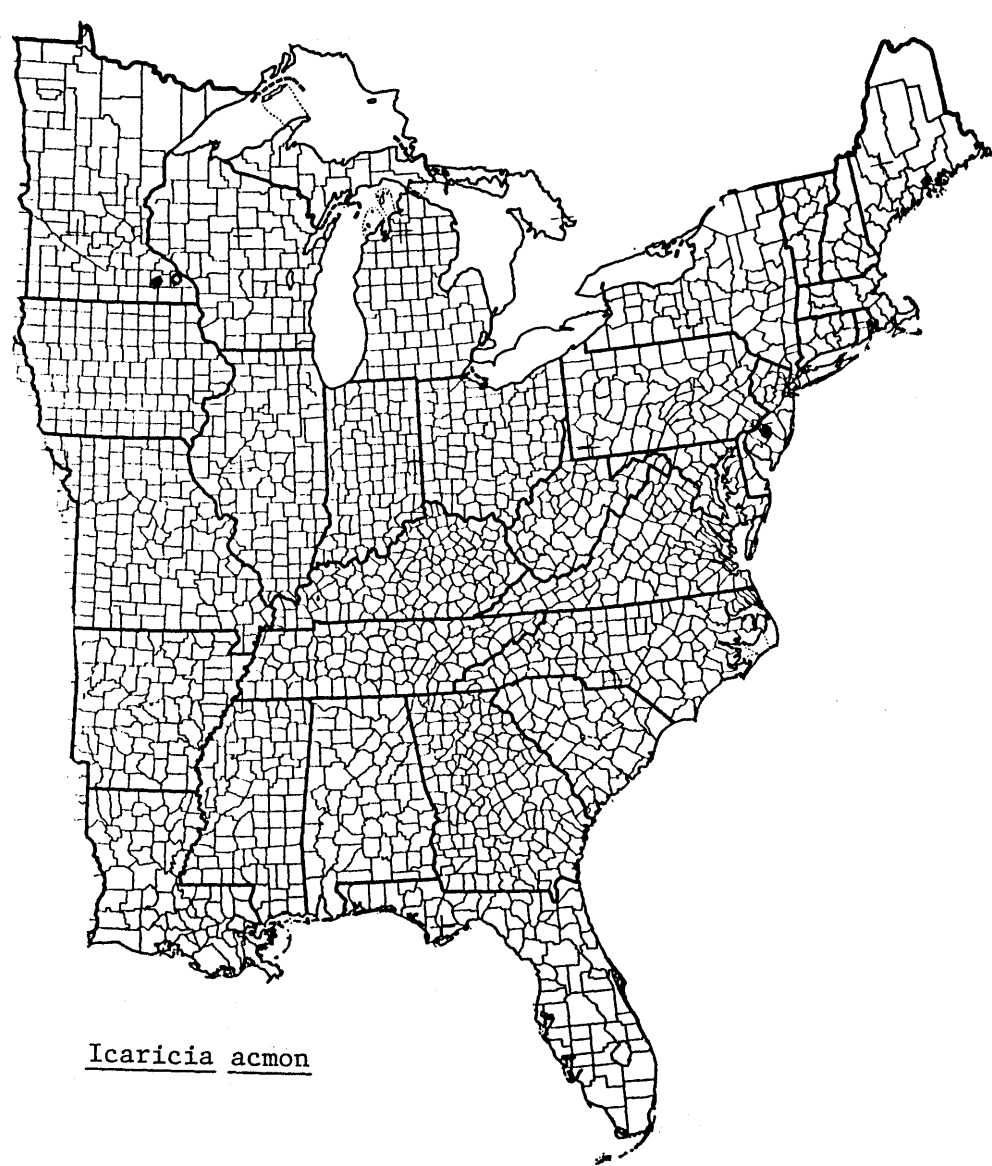
L. melissa melissa in w MN, IA



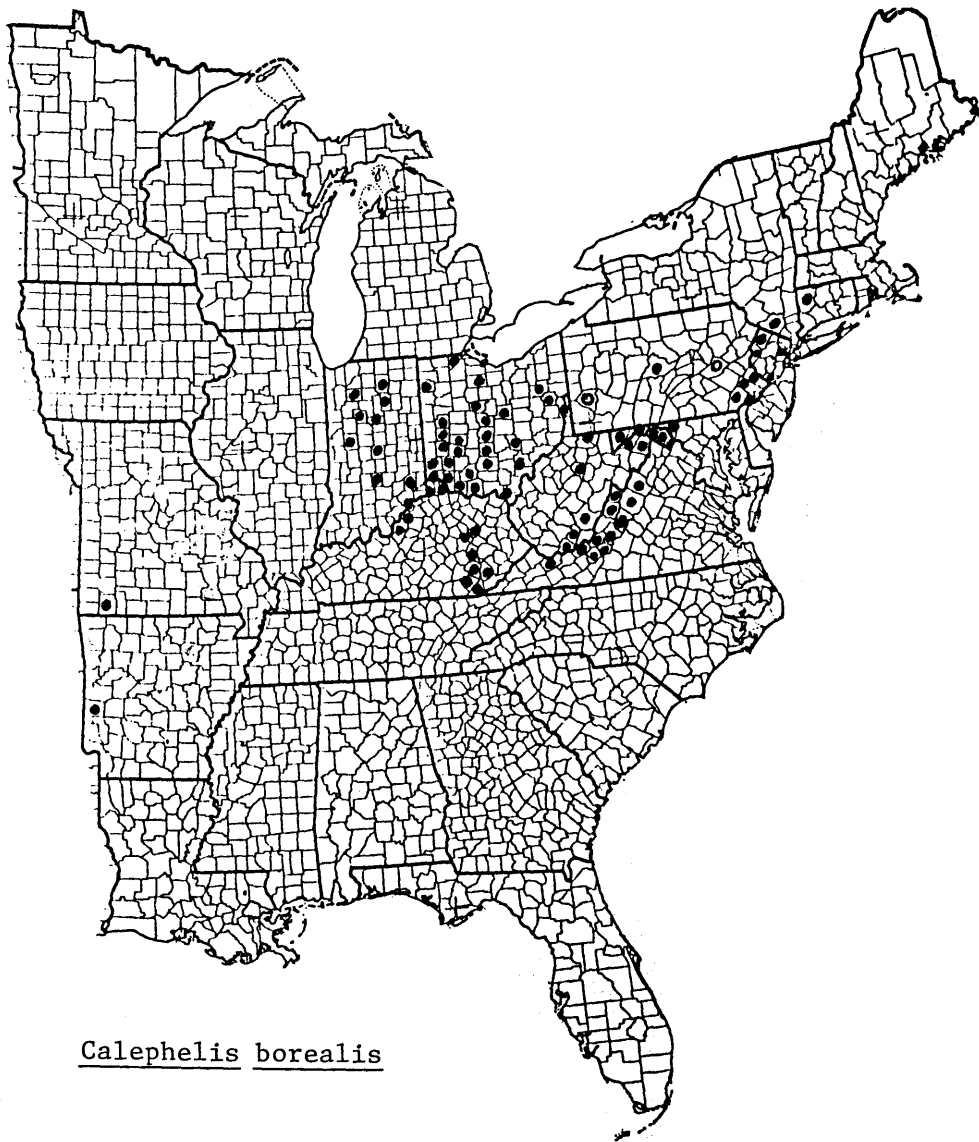
Plebejus saepiolus



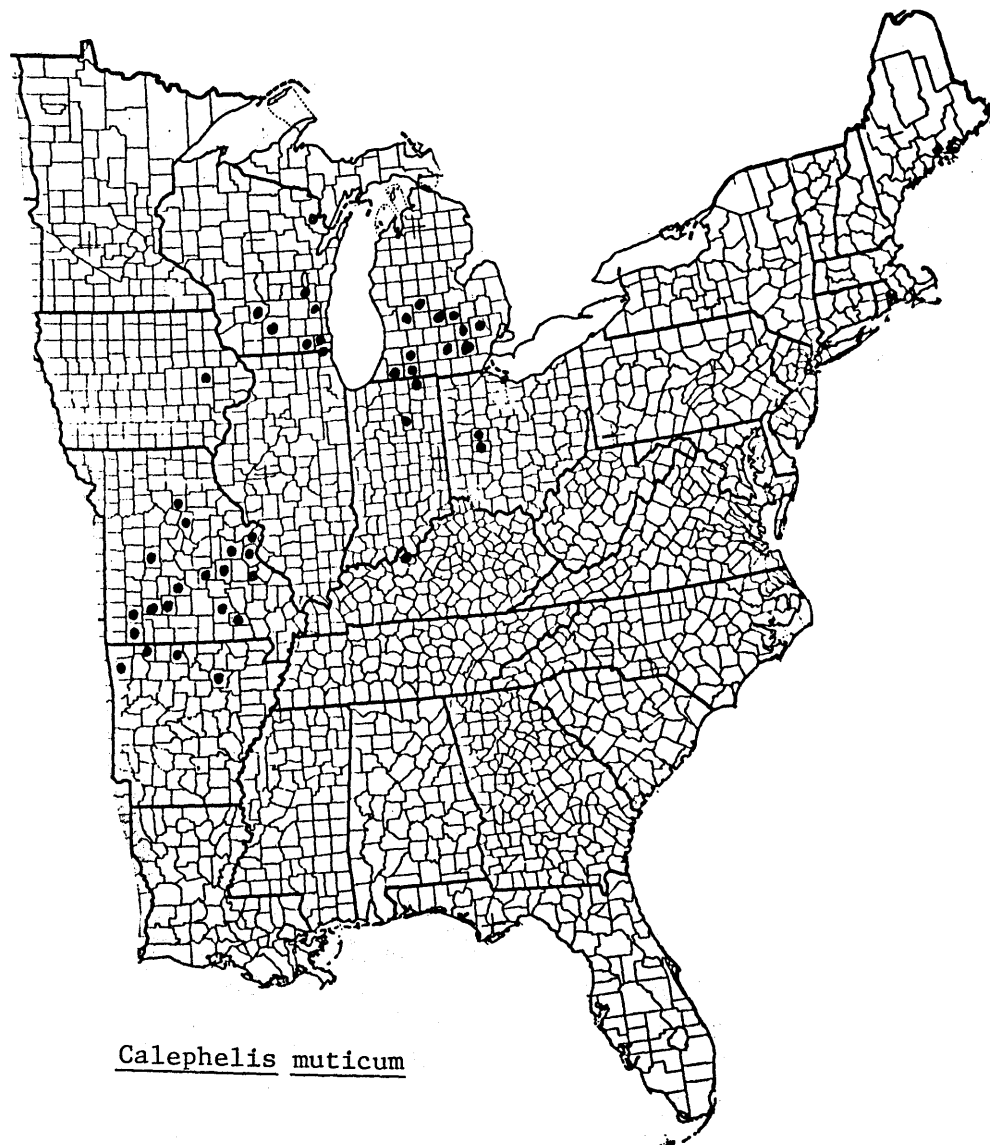
Agriades franklinii



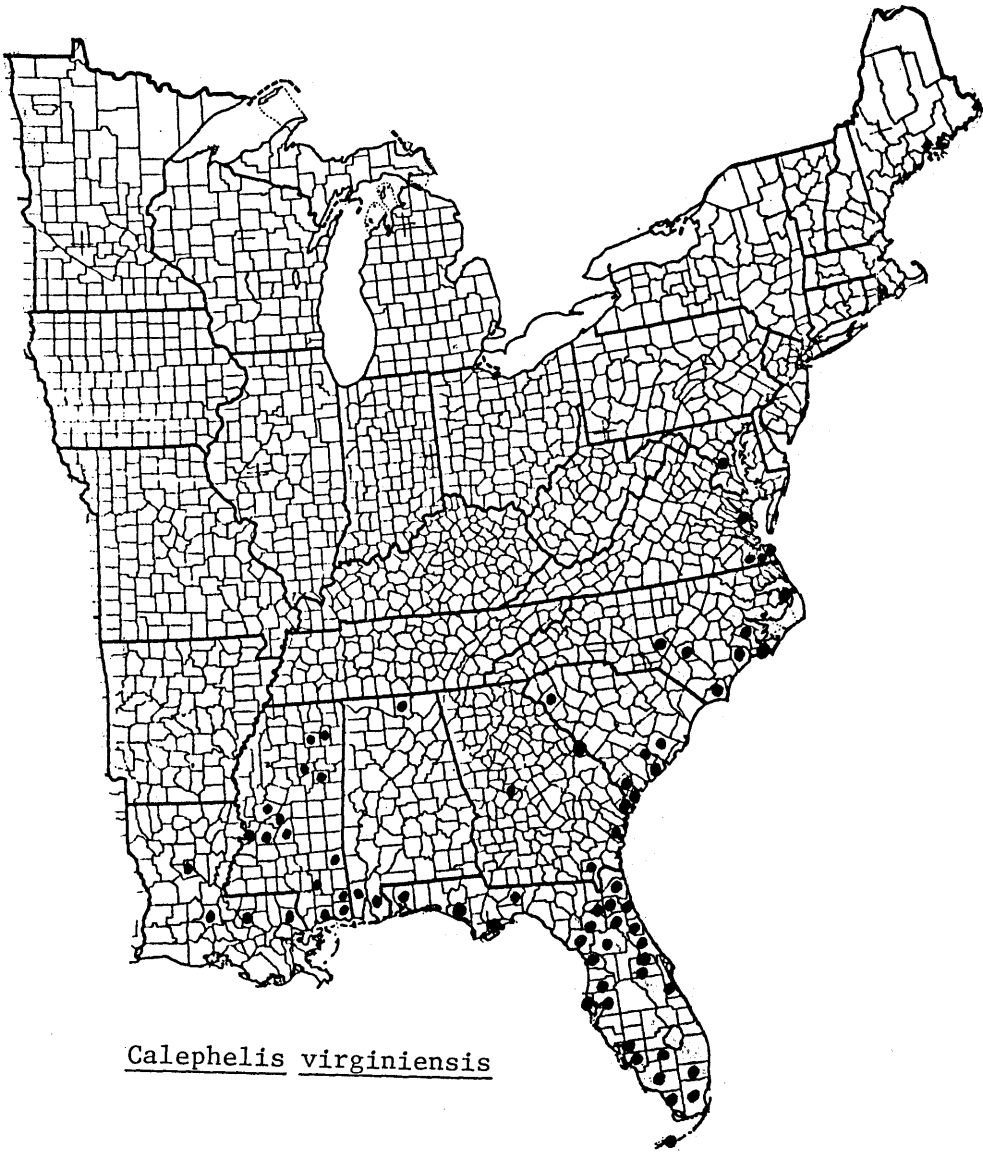
Icaricia acmon



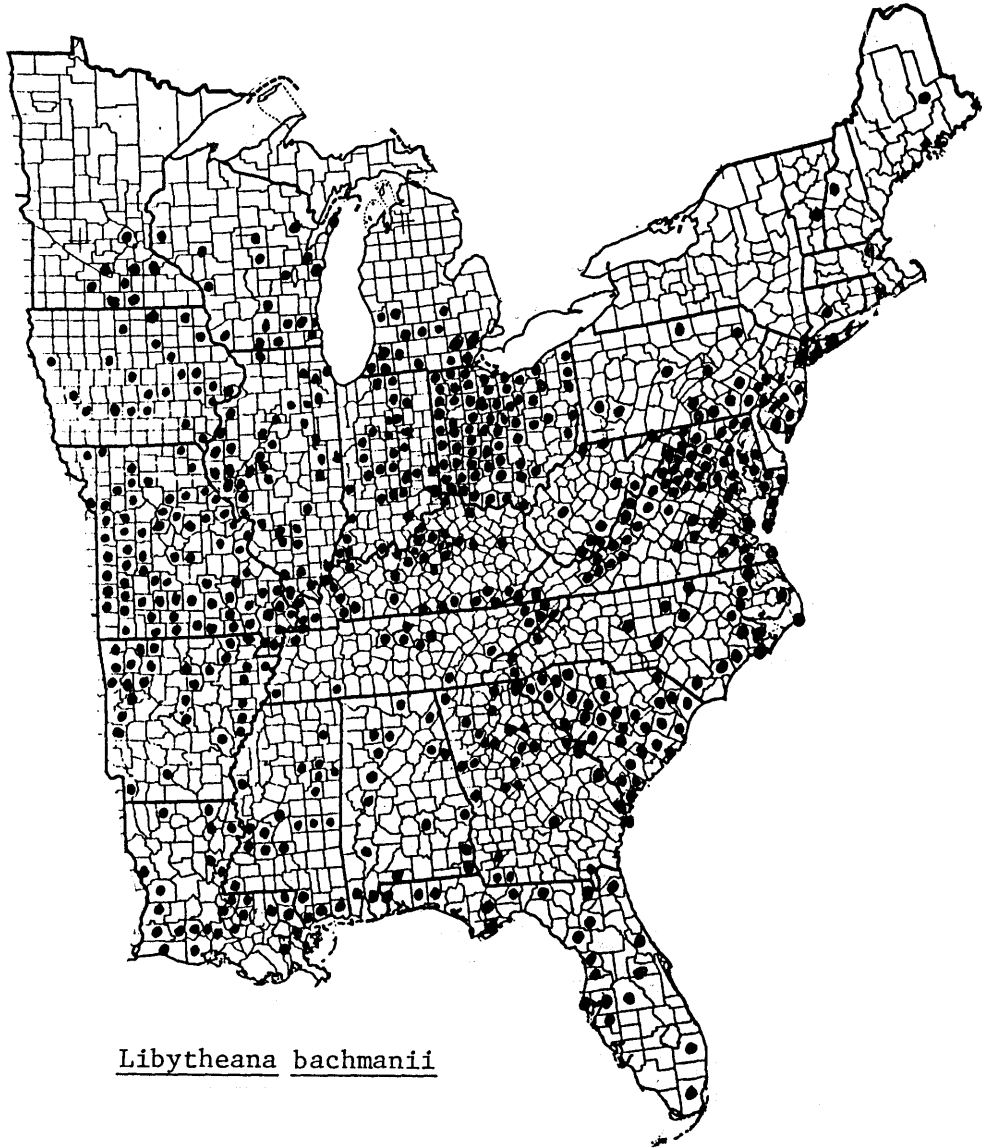
Calephelis borealis



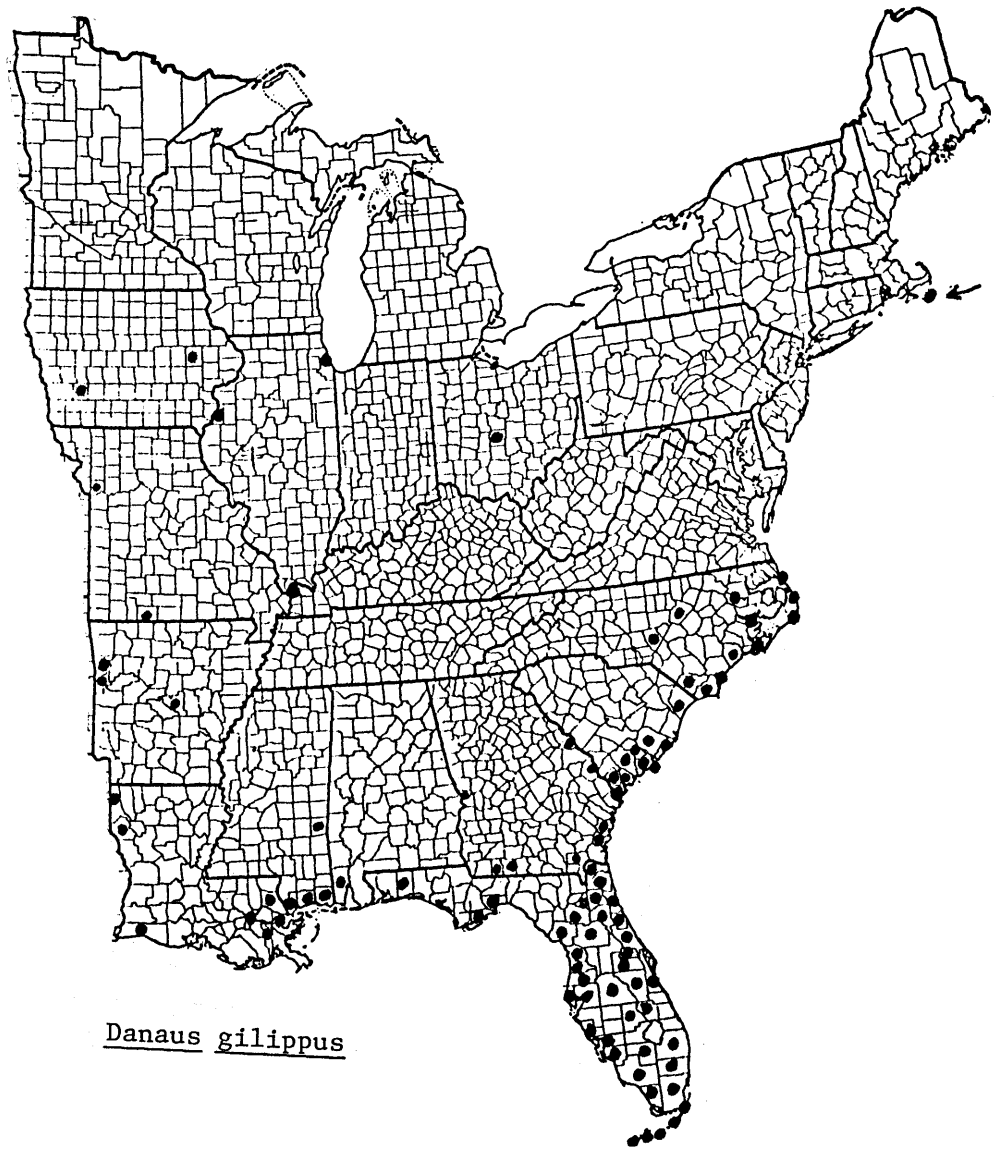
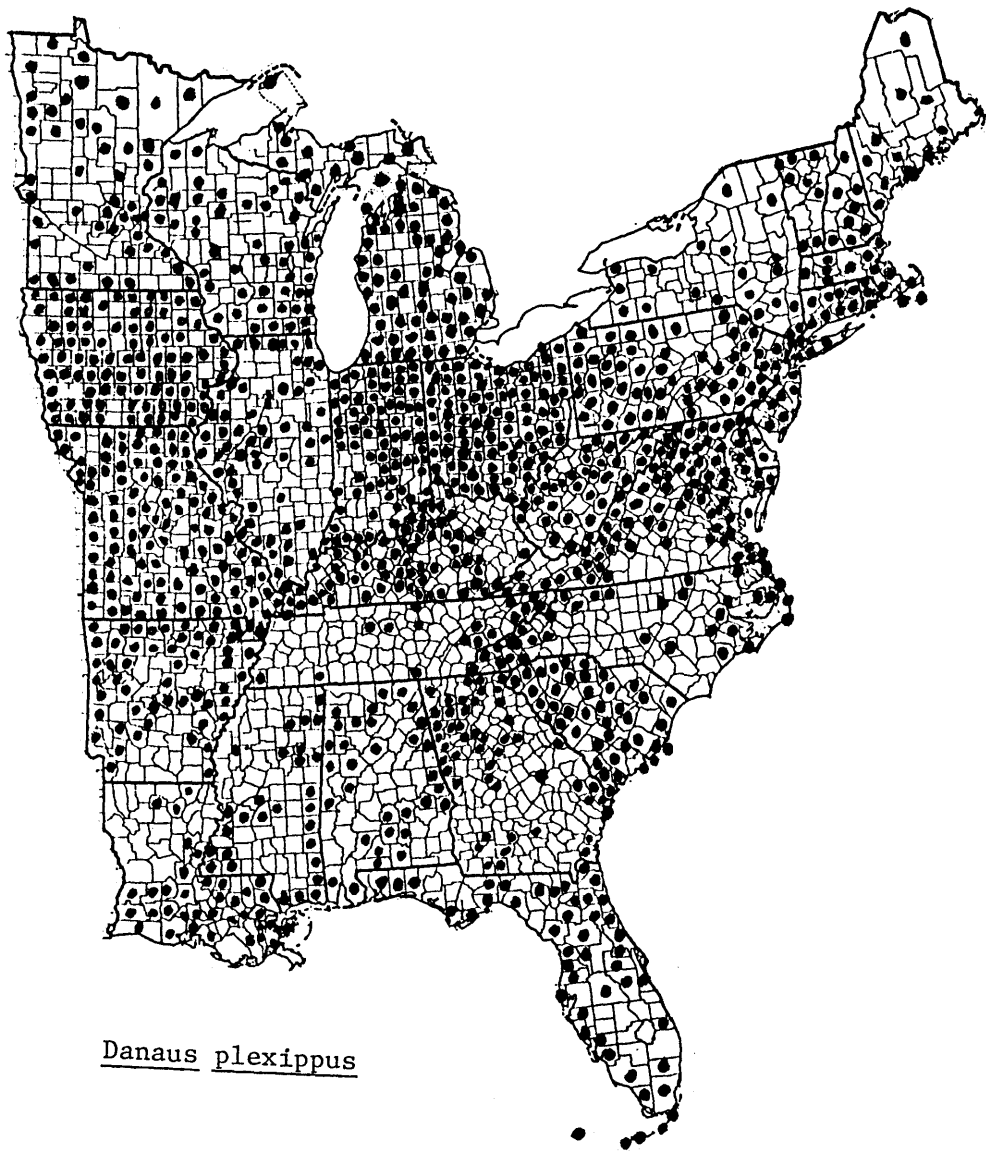
Calephelis muticum

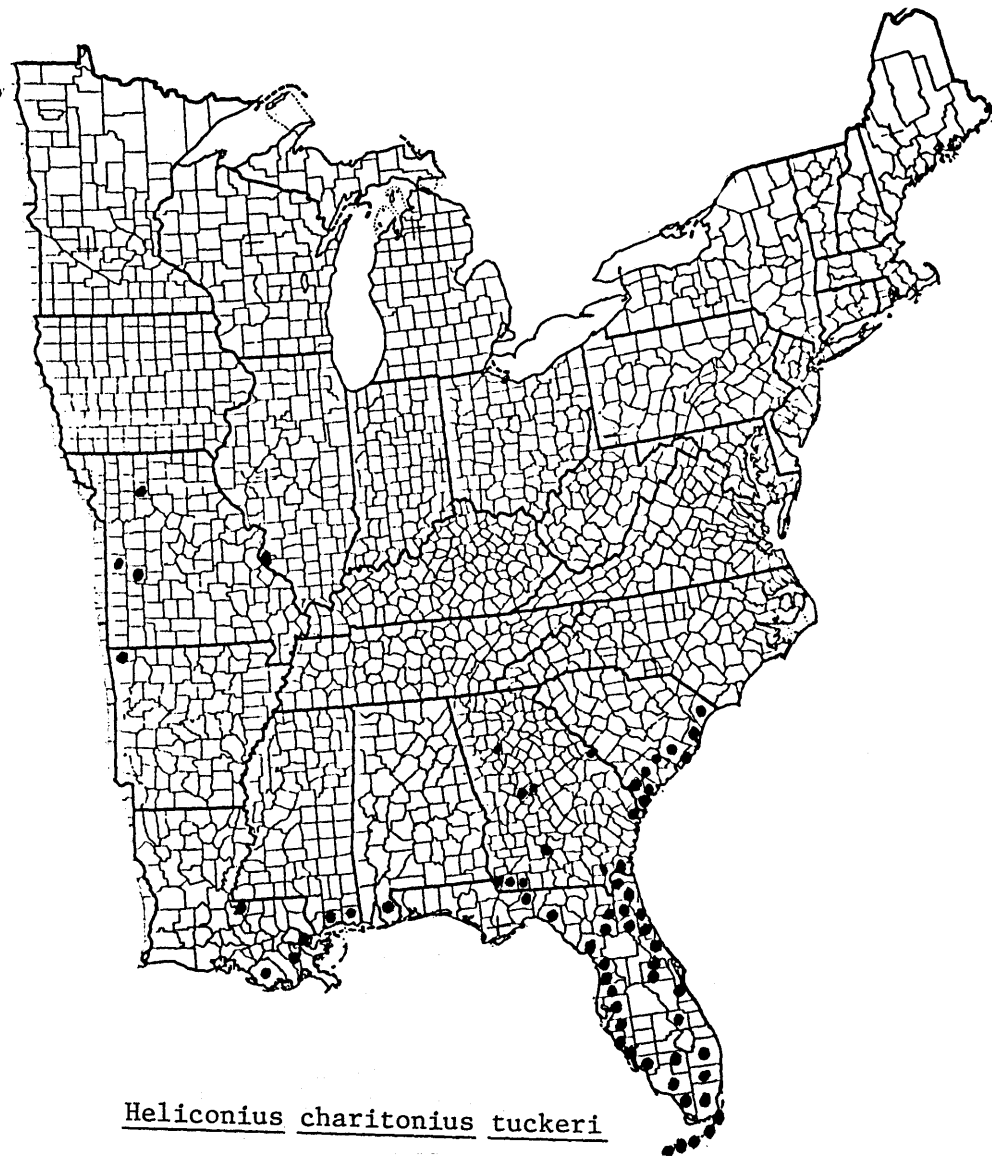
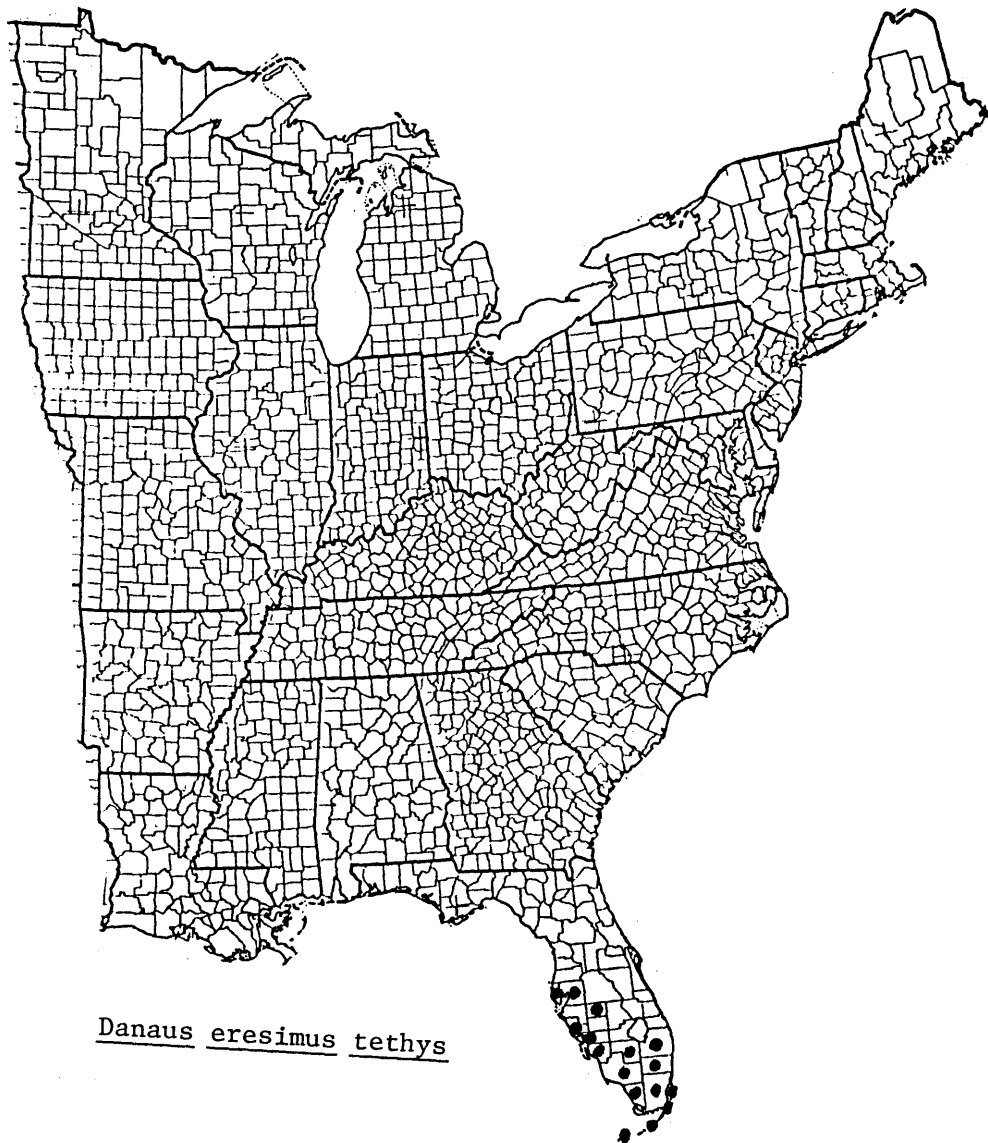


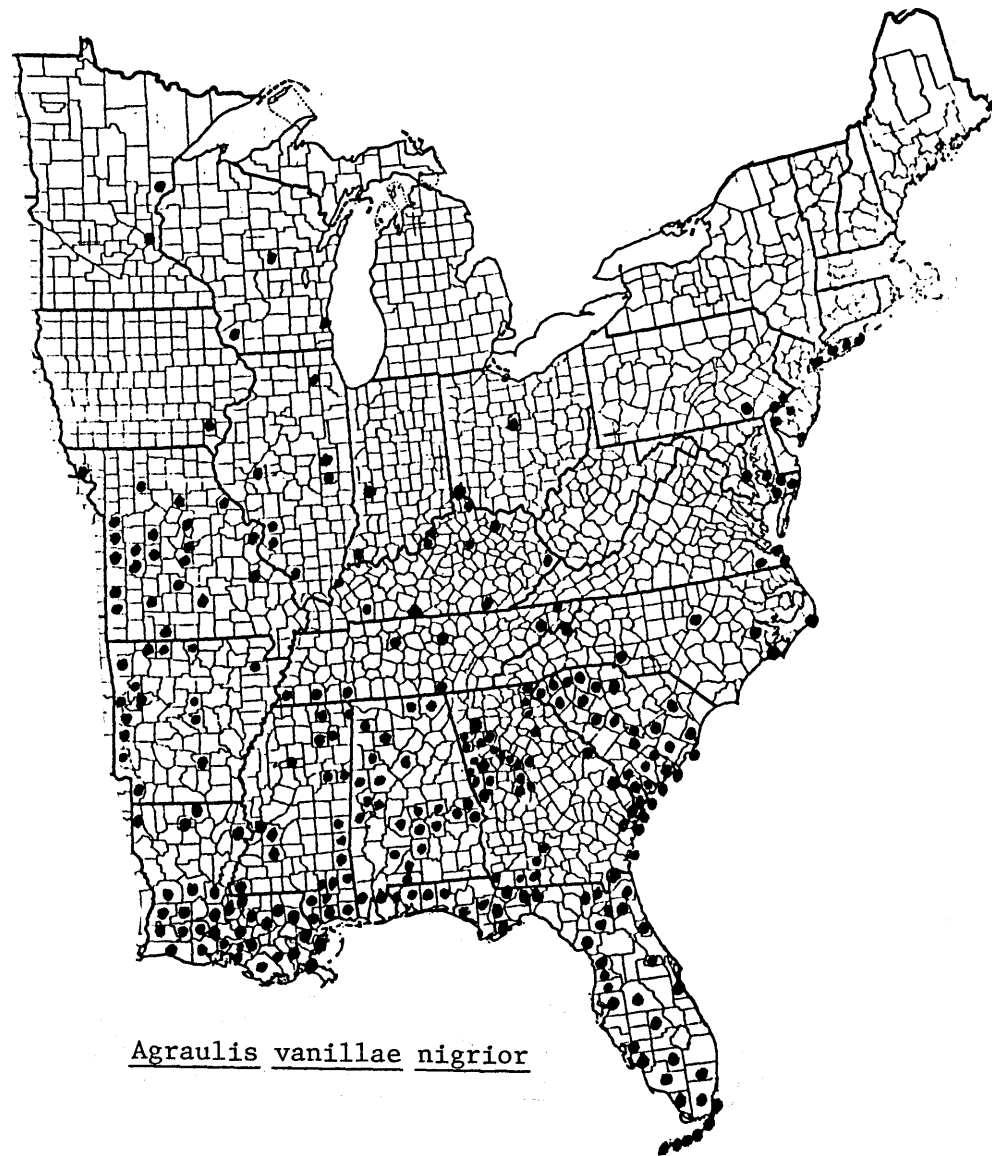
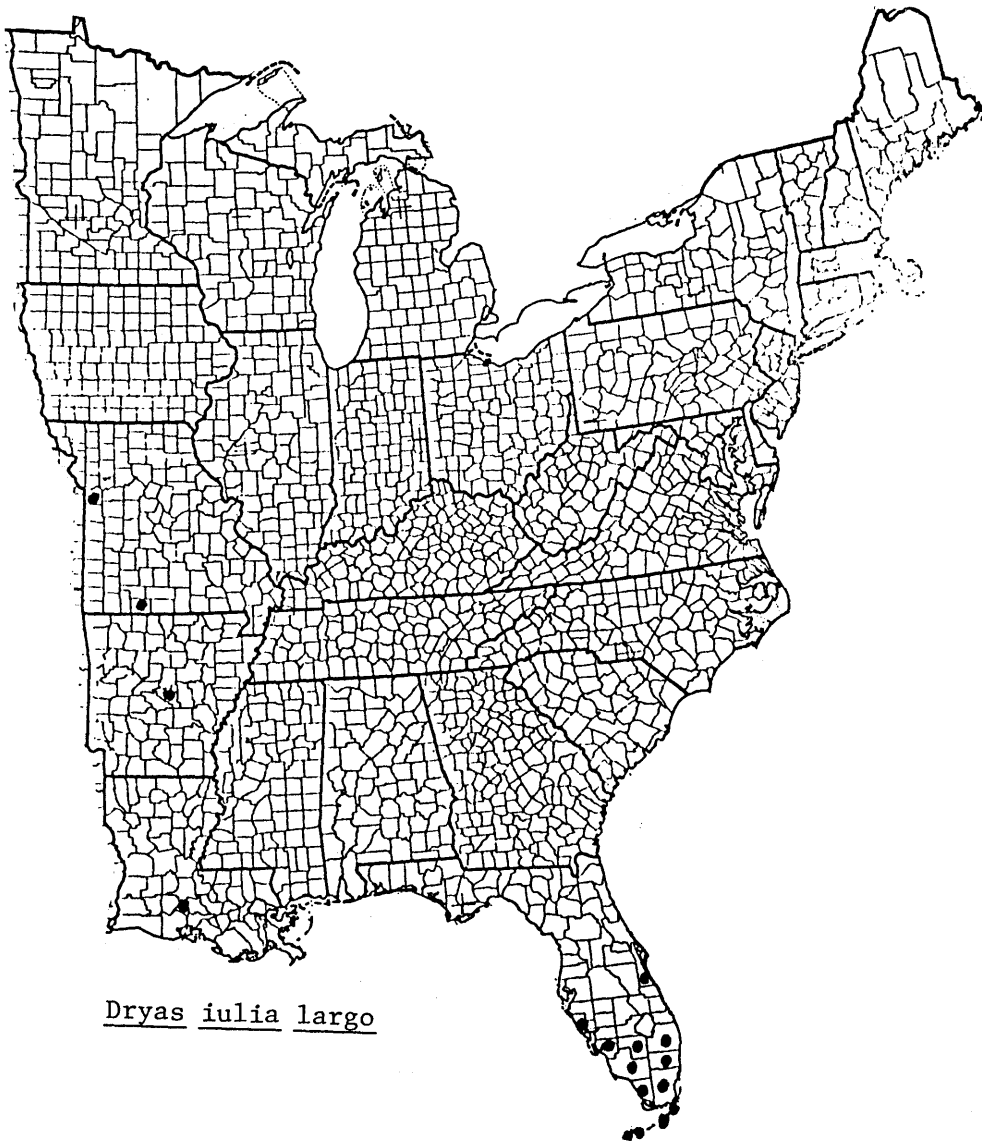
Calephelis virginiensis

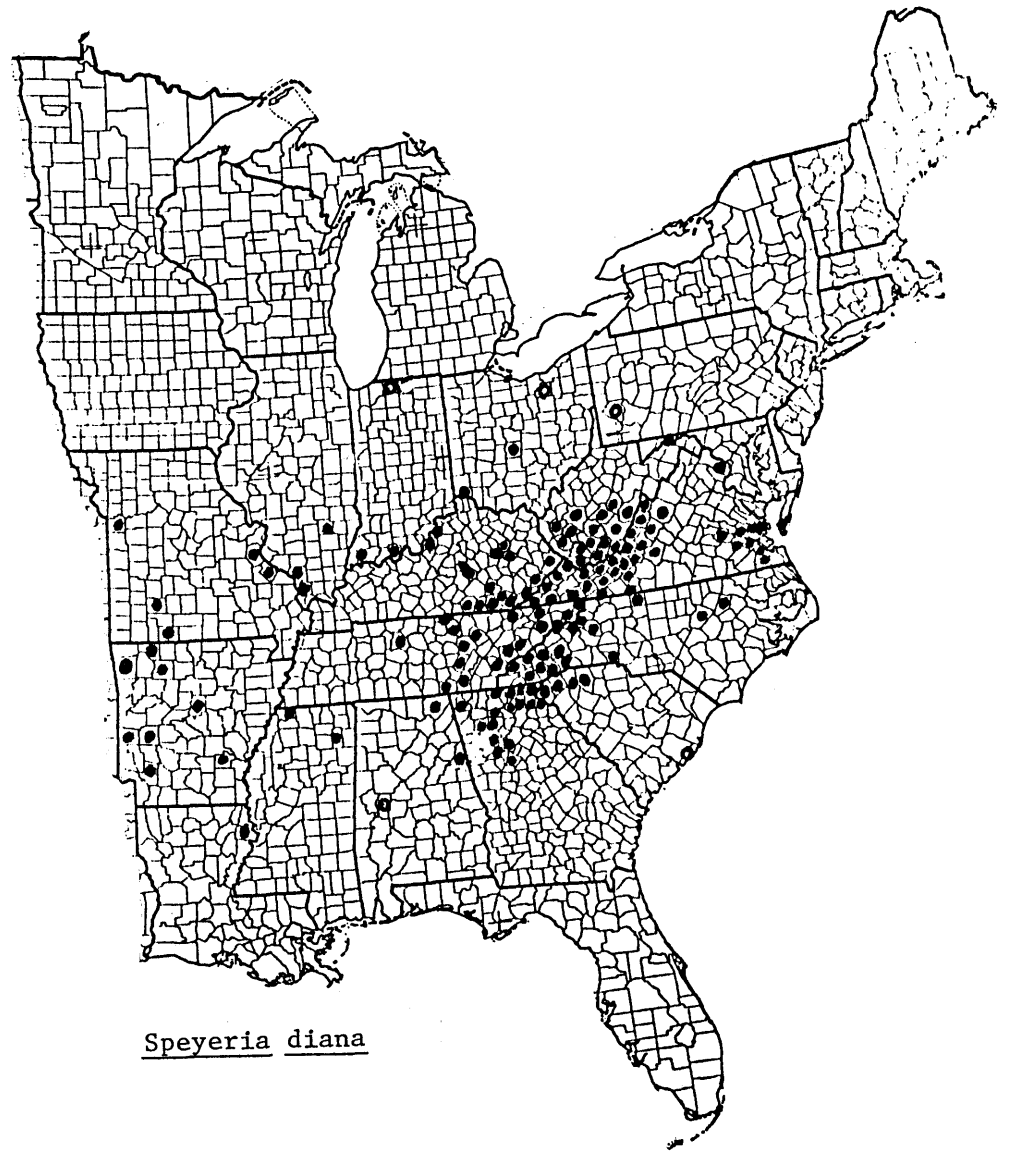
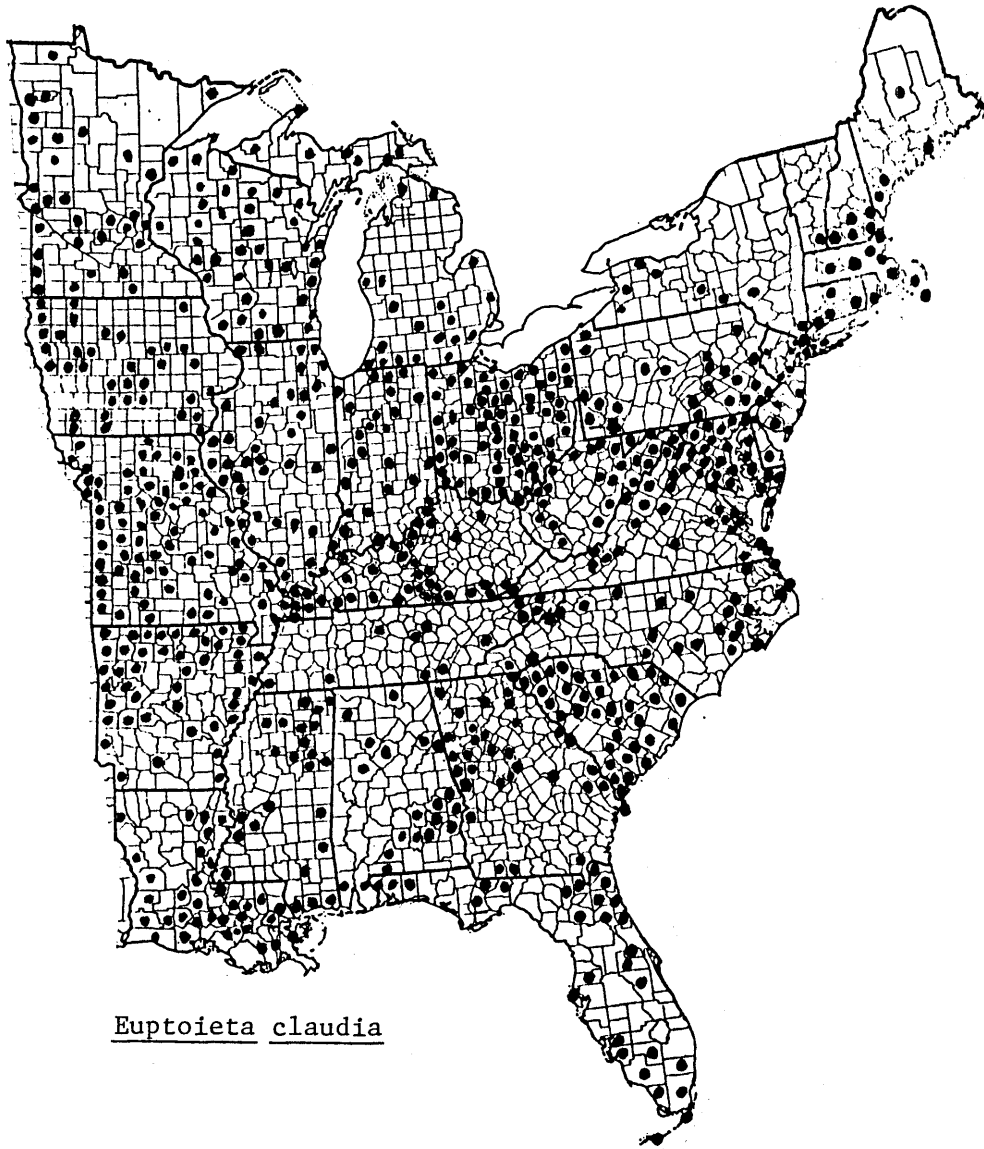


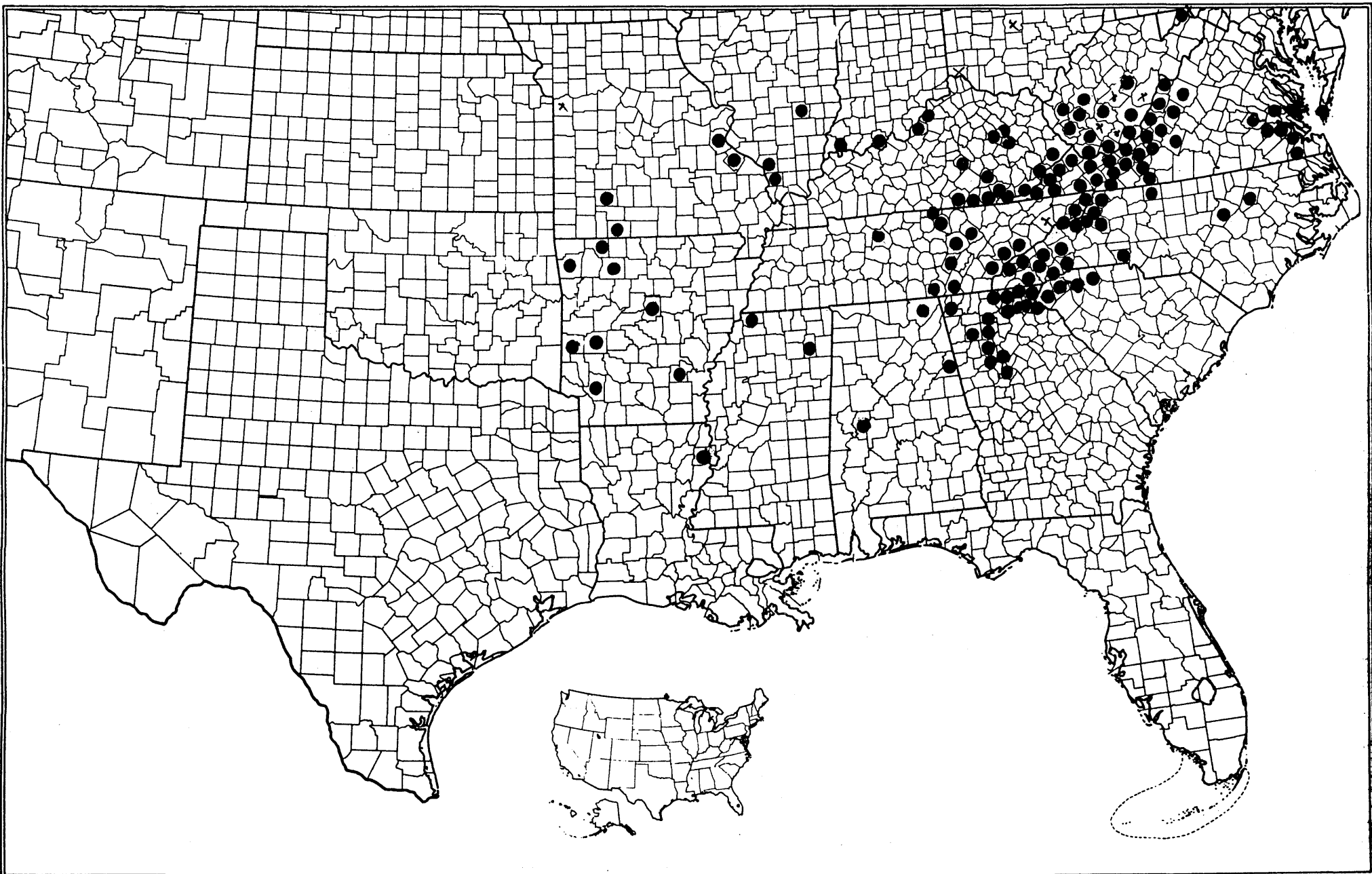
Libytheana bachmanii



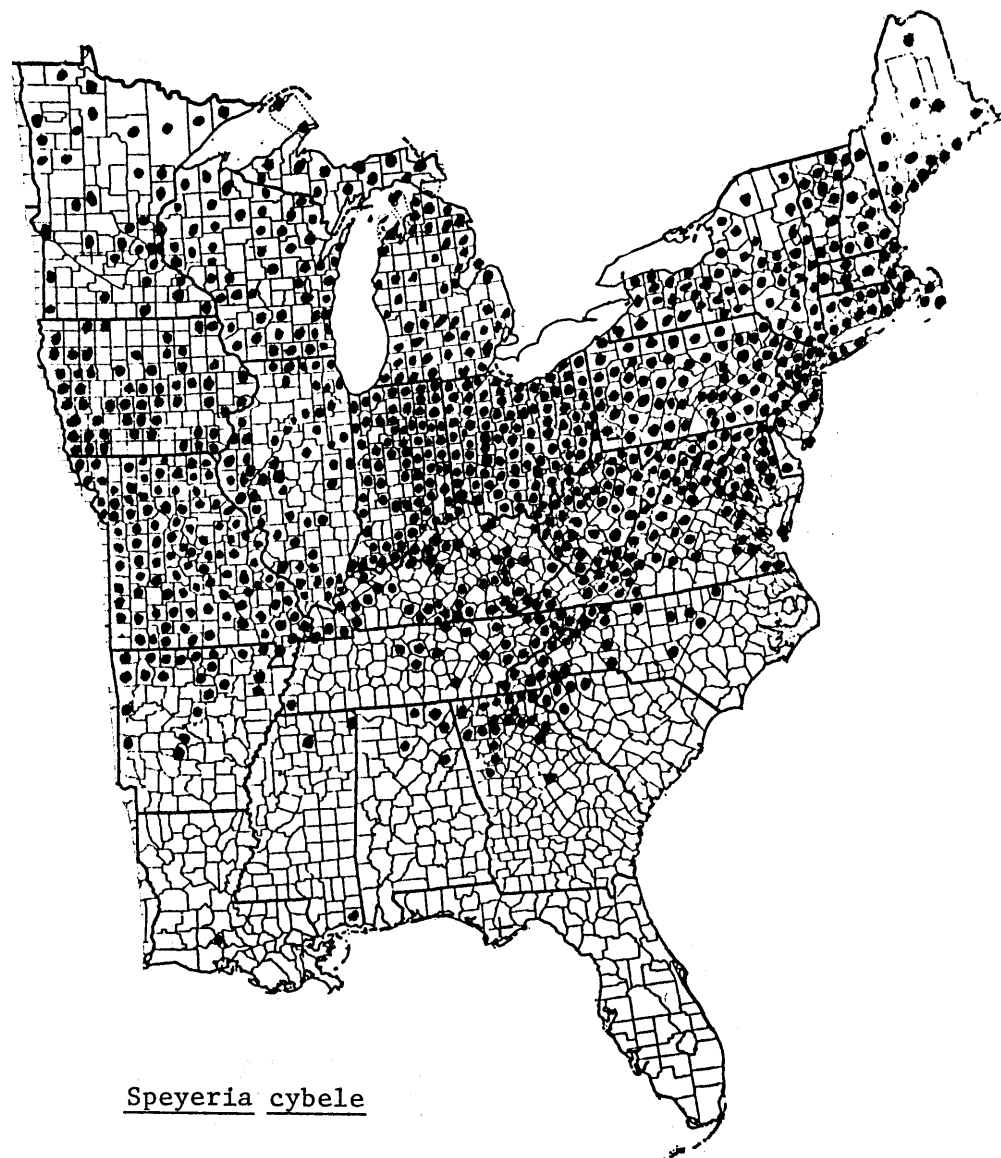
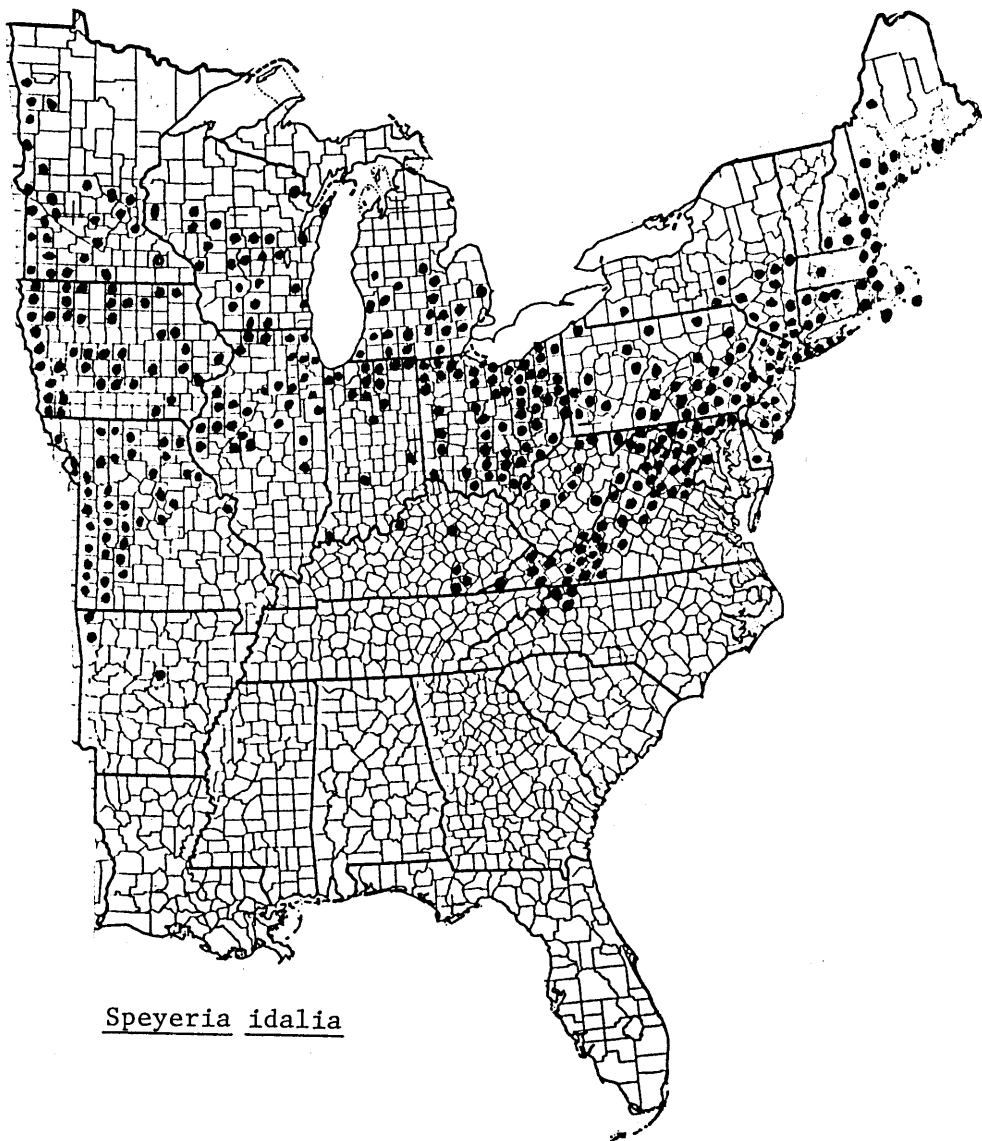


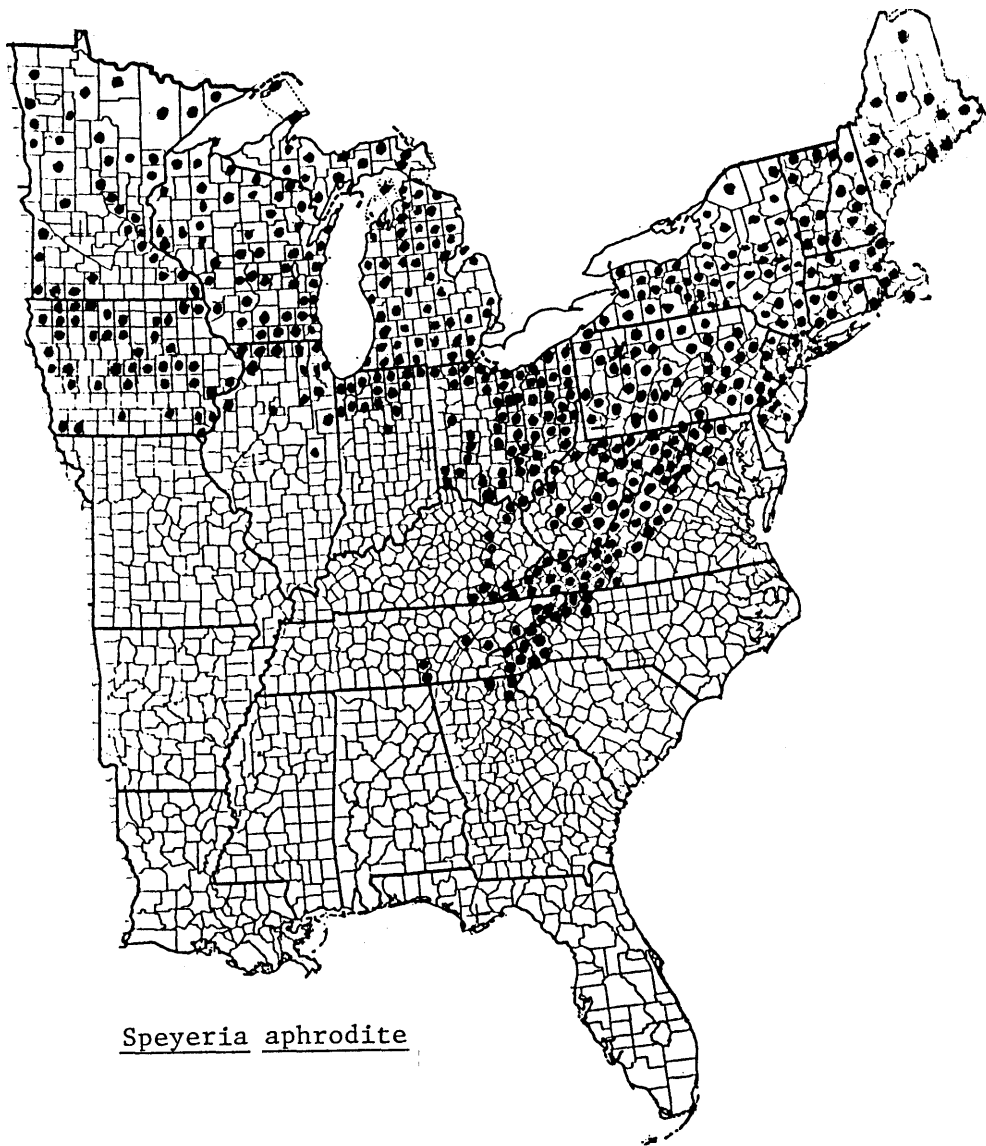




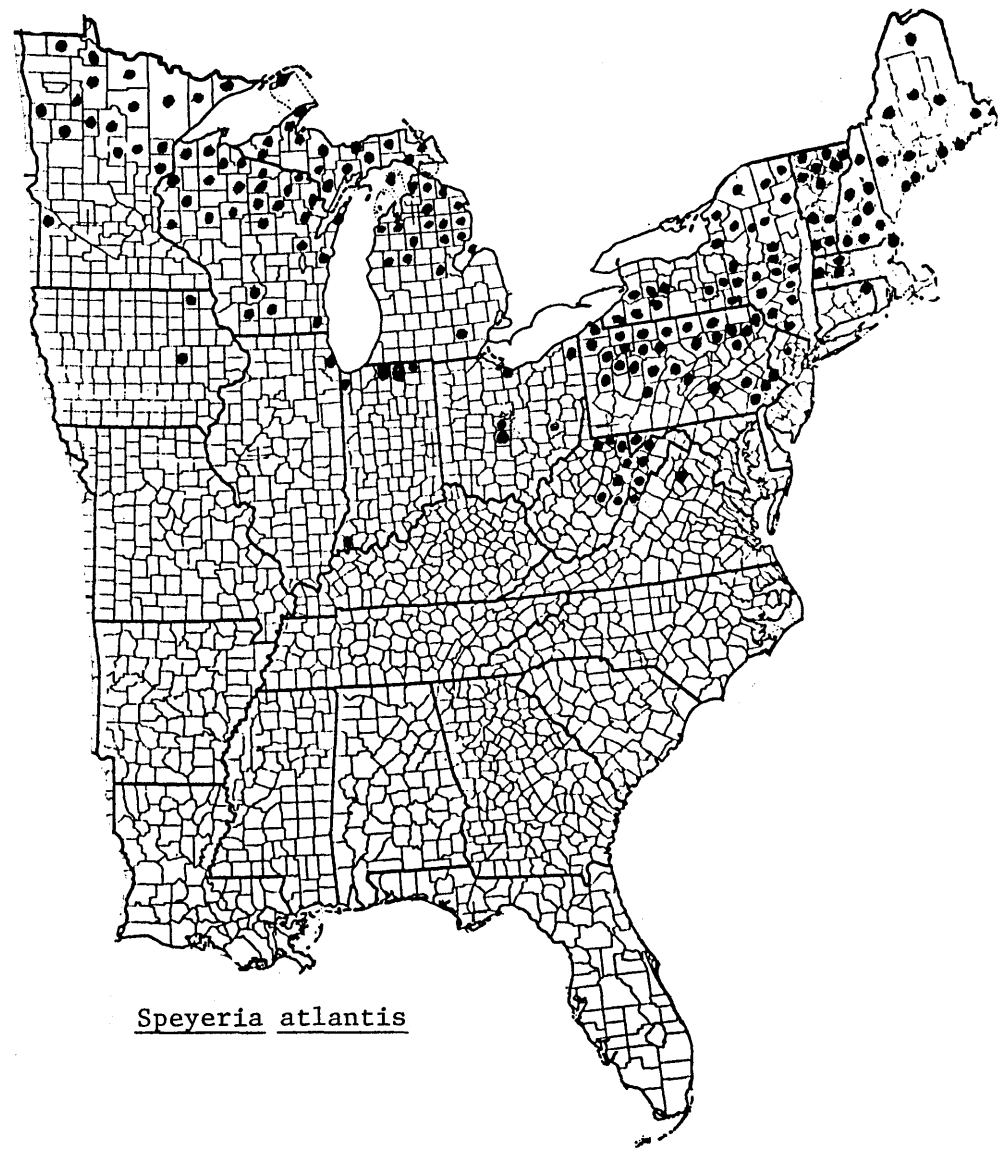


Speyeria diana

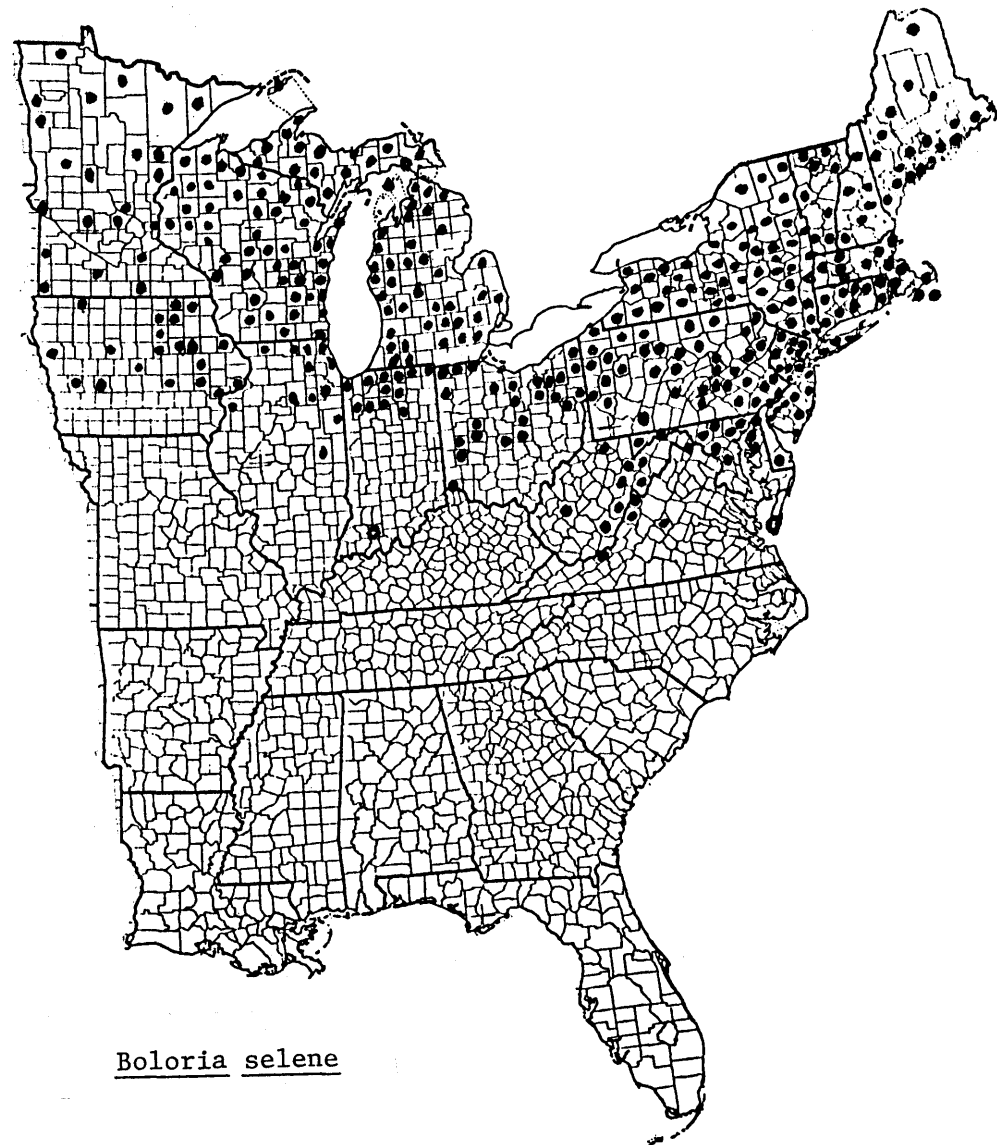
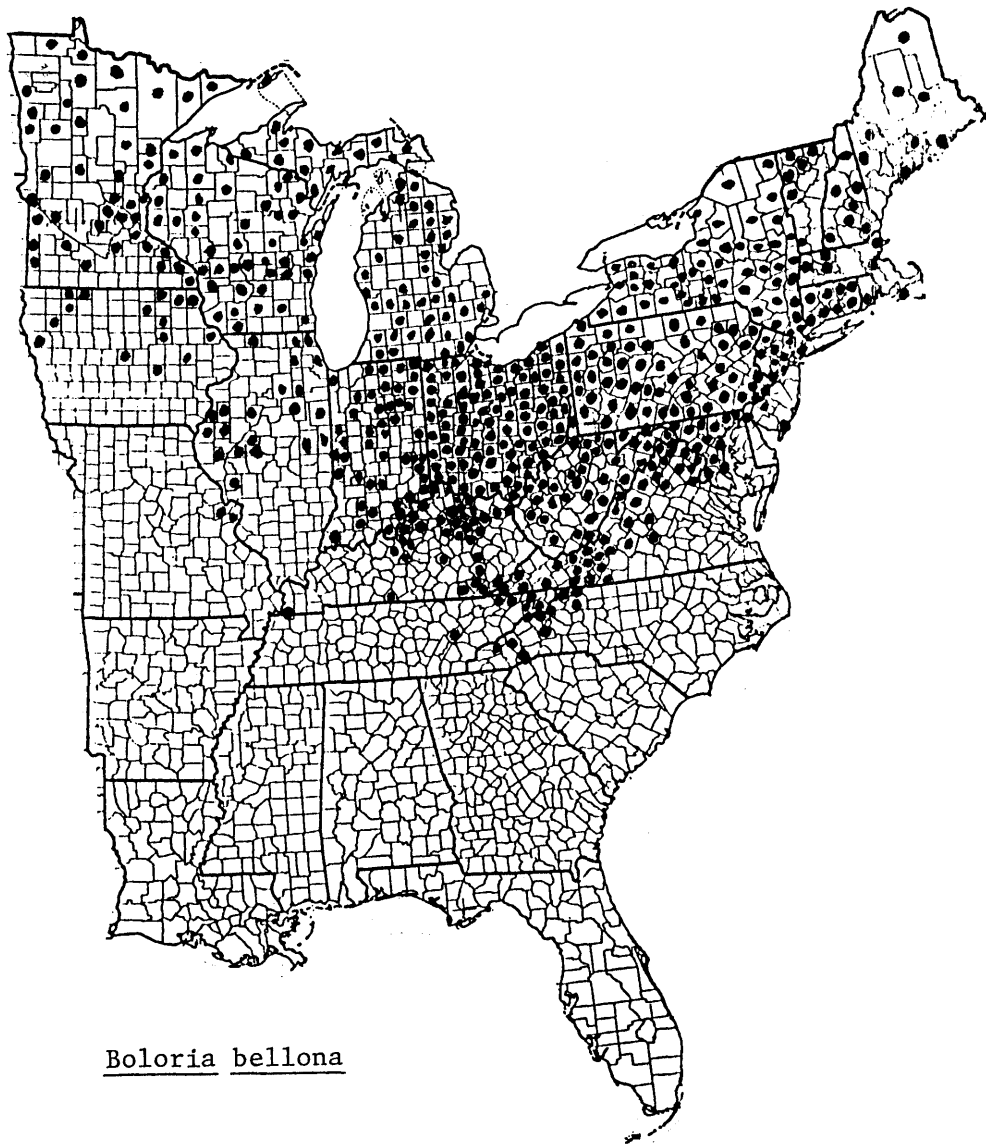


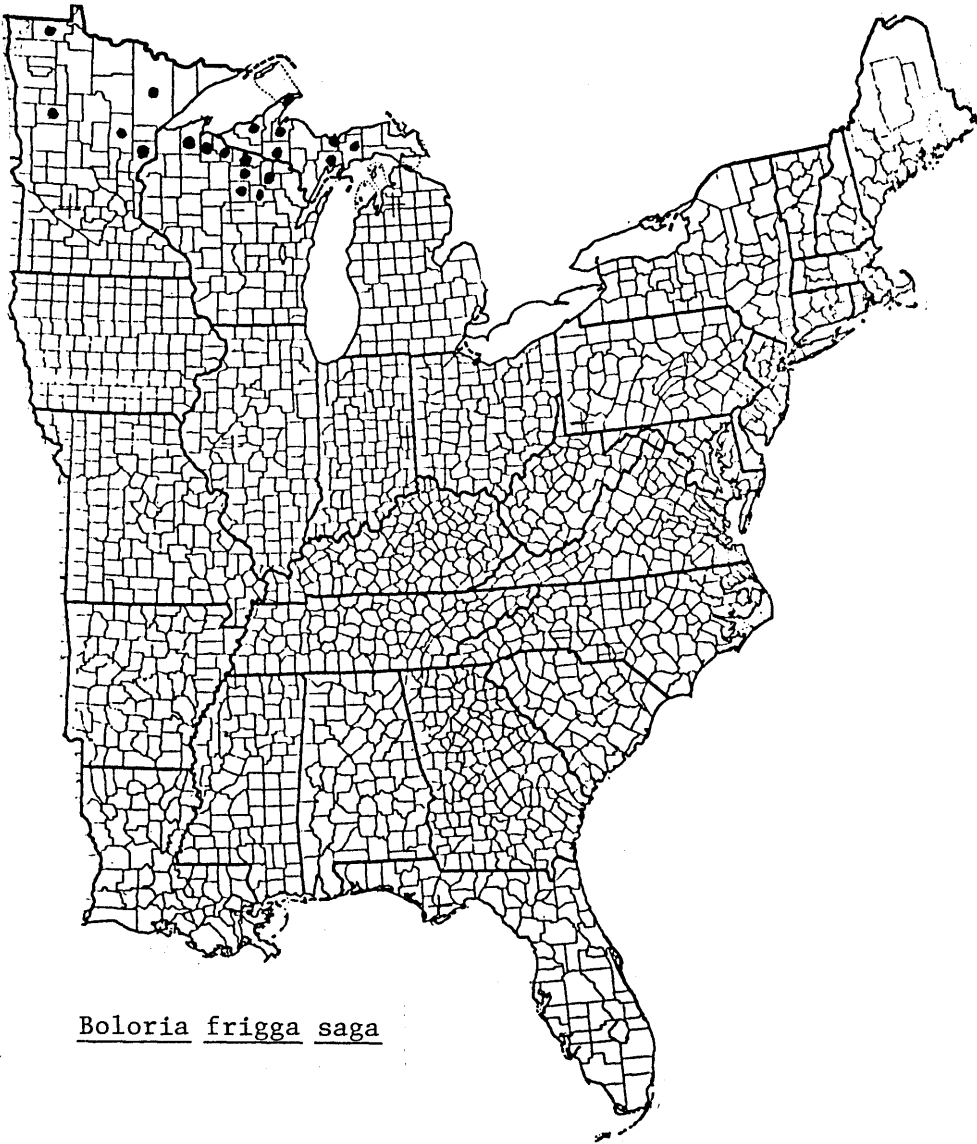


Speyeria aphrodite

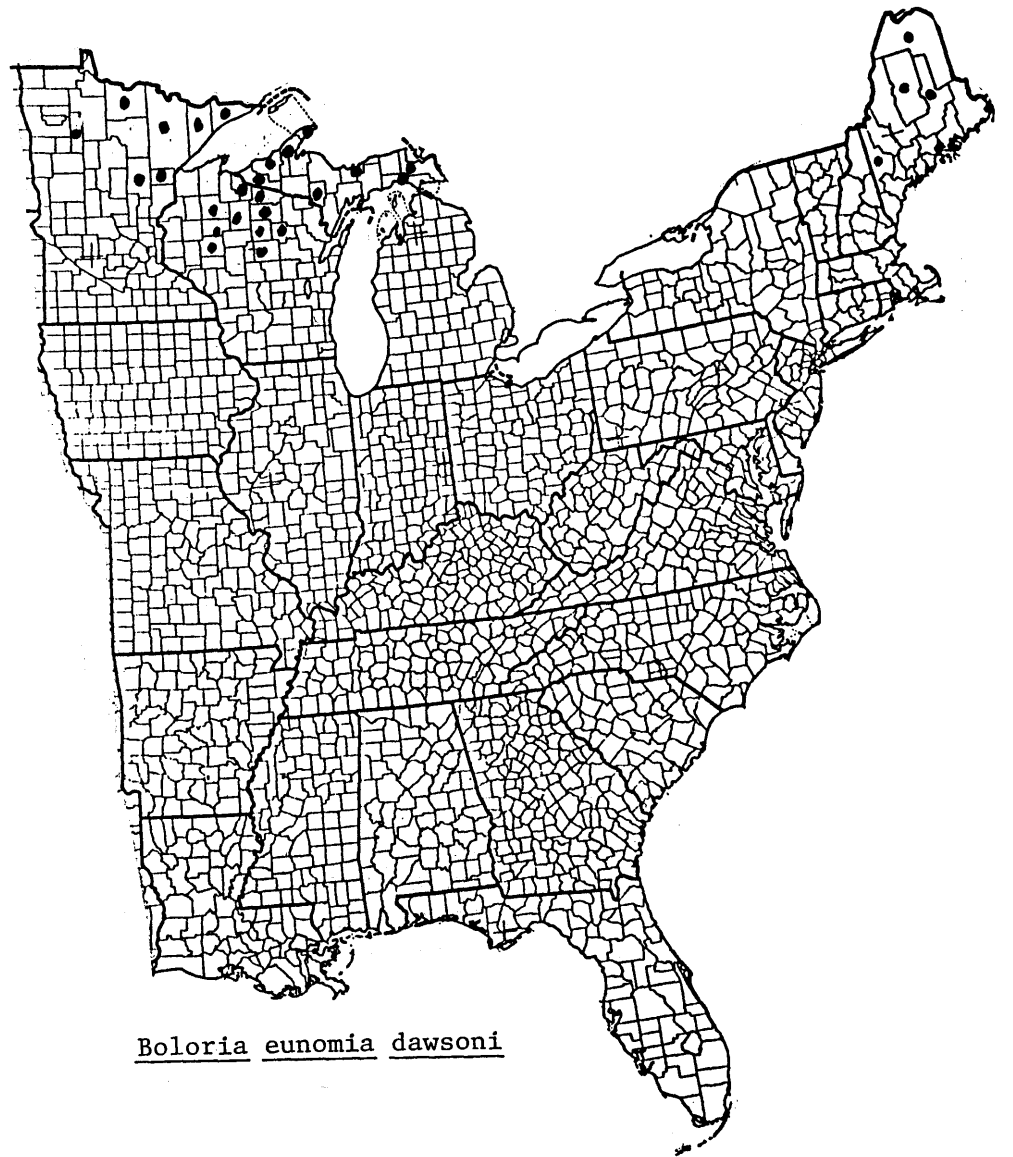


Speyeria atlantis

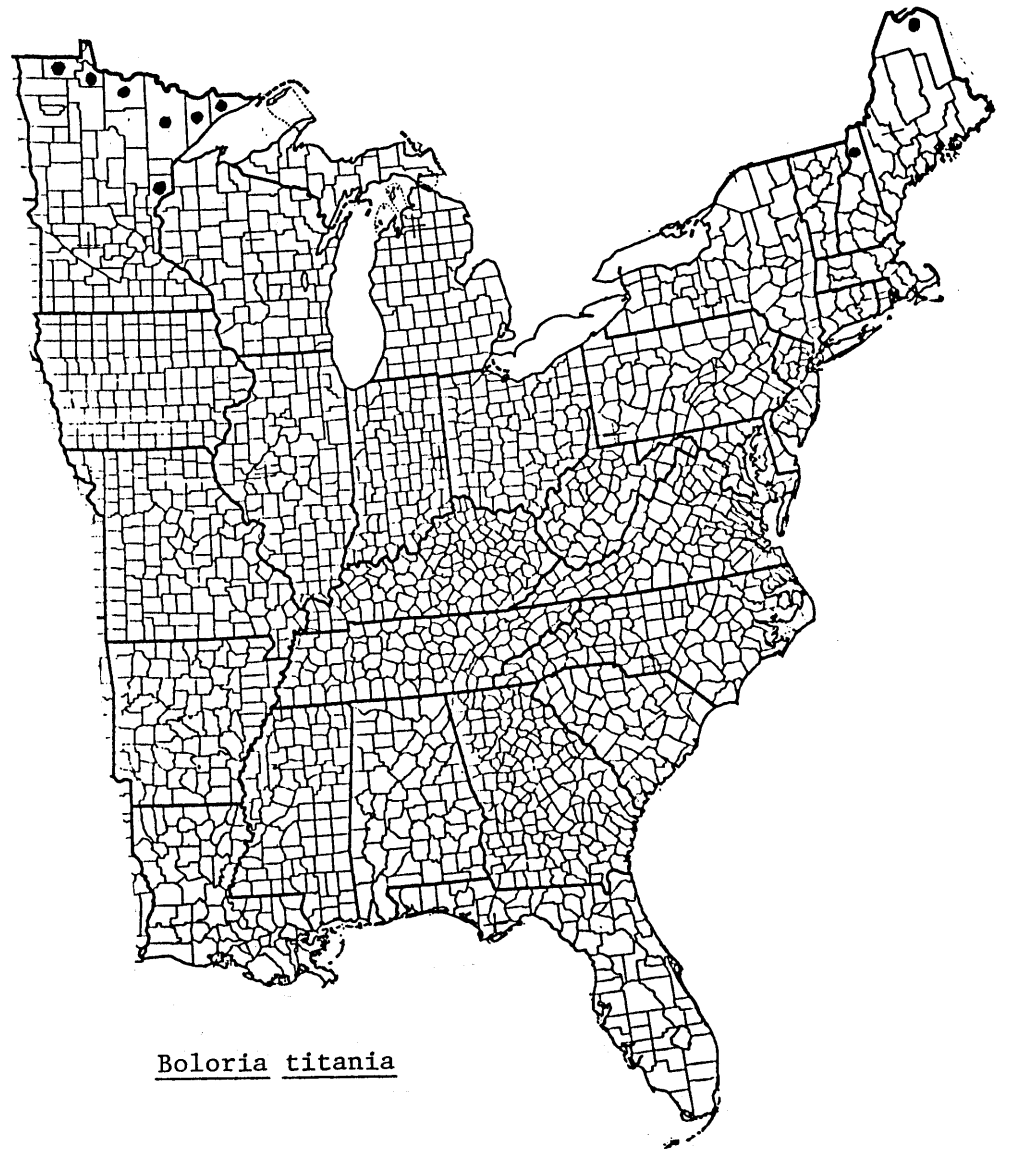
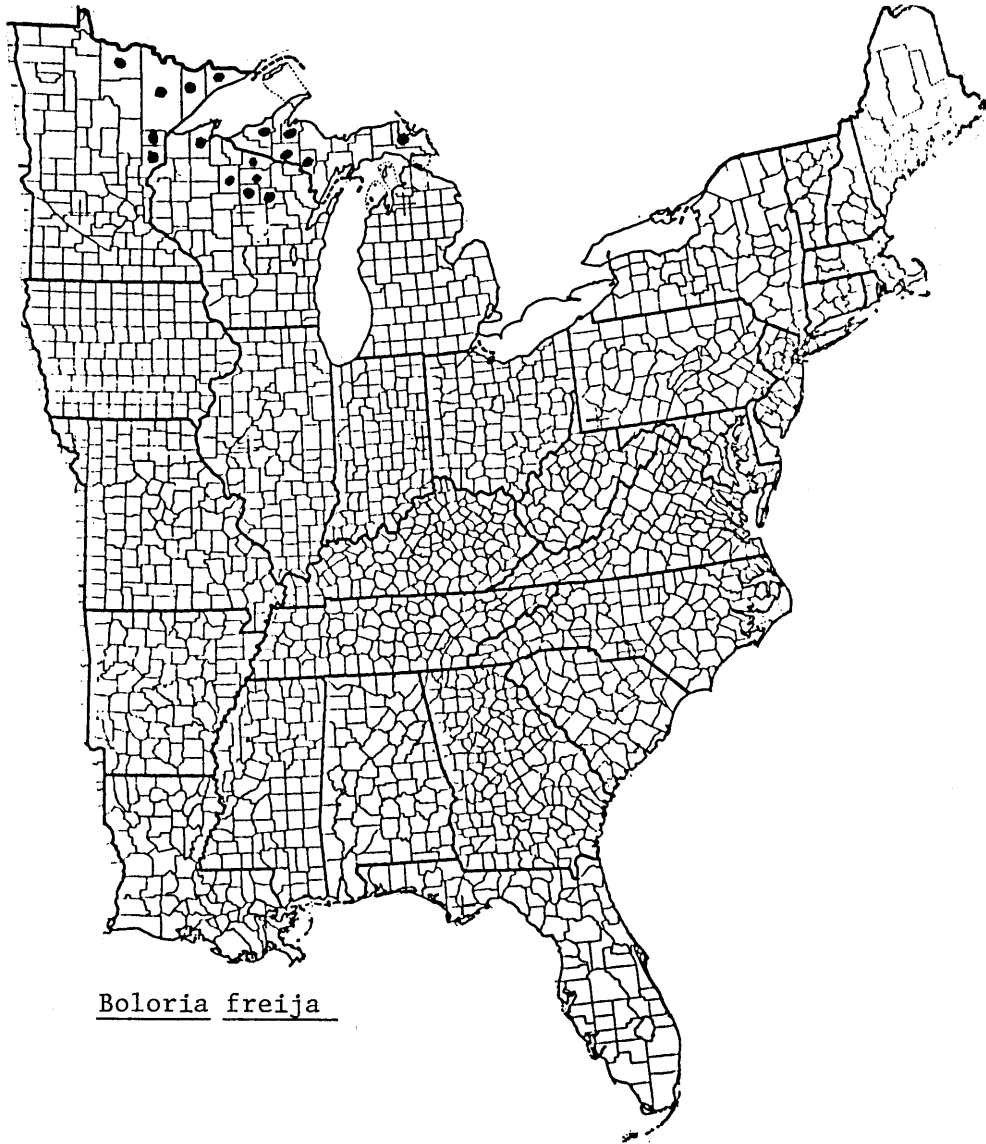


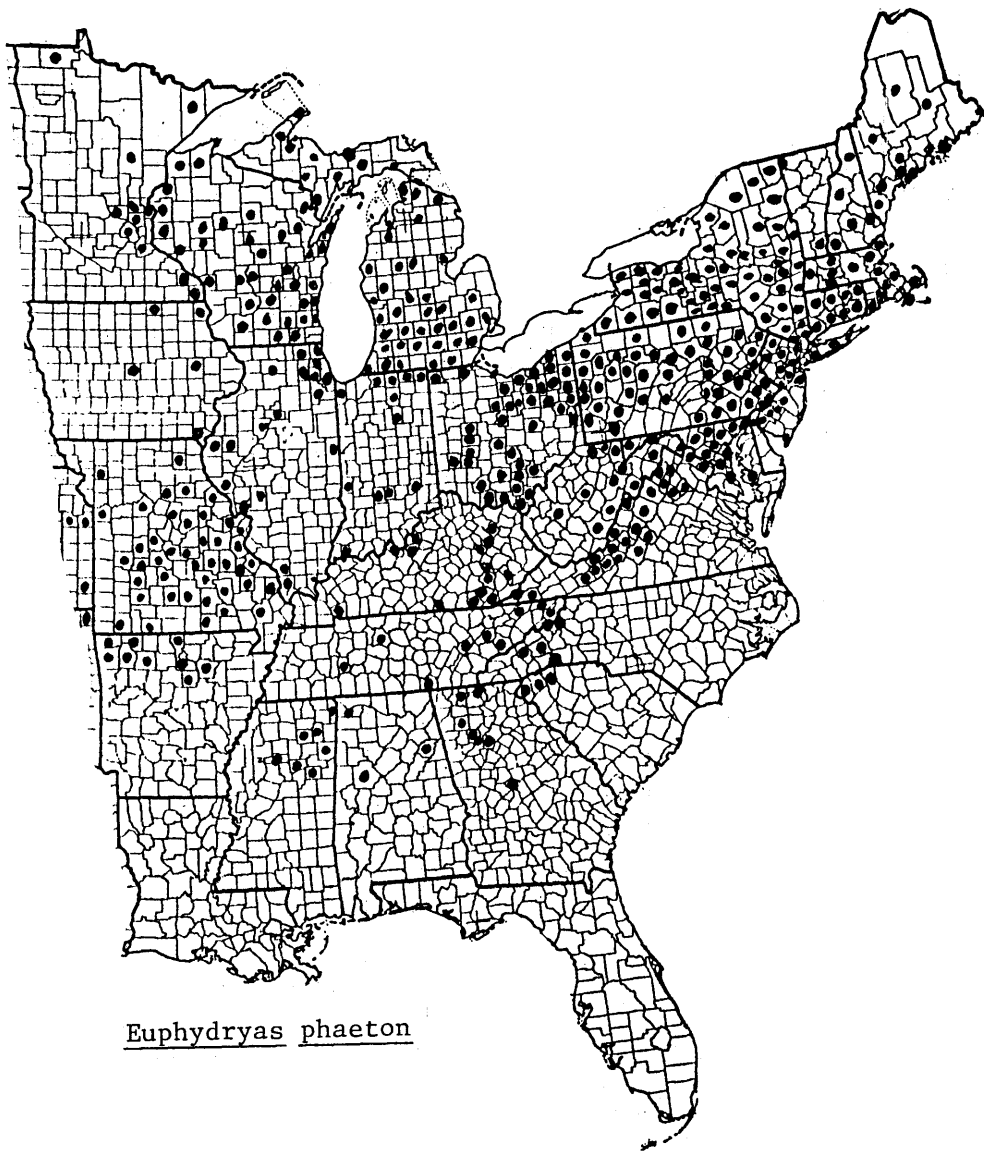


Boloria frigga saga

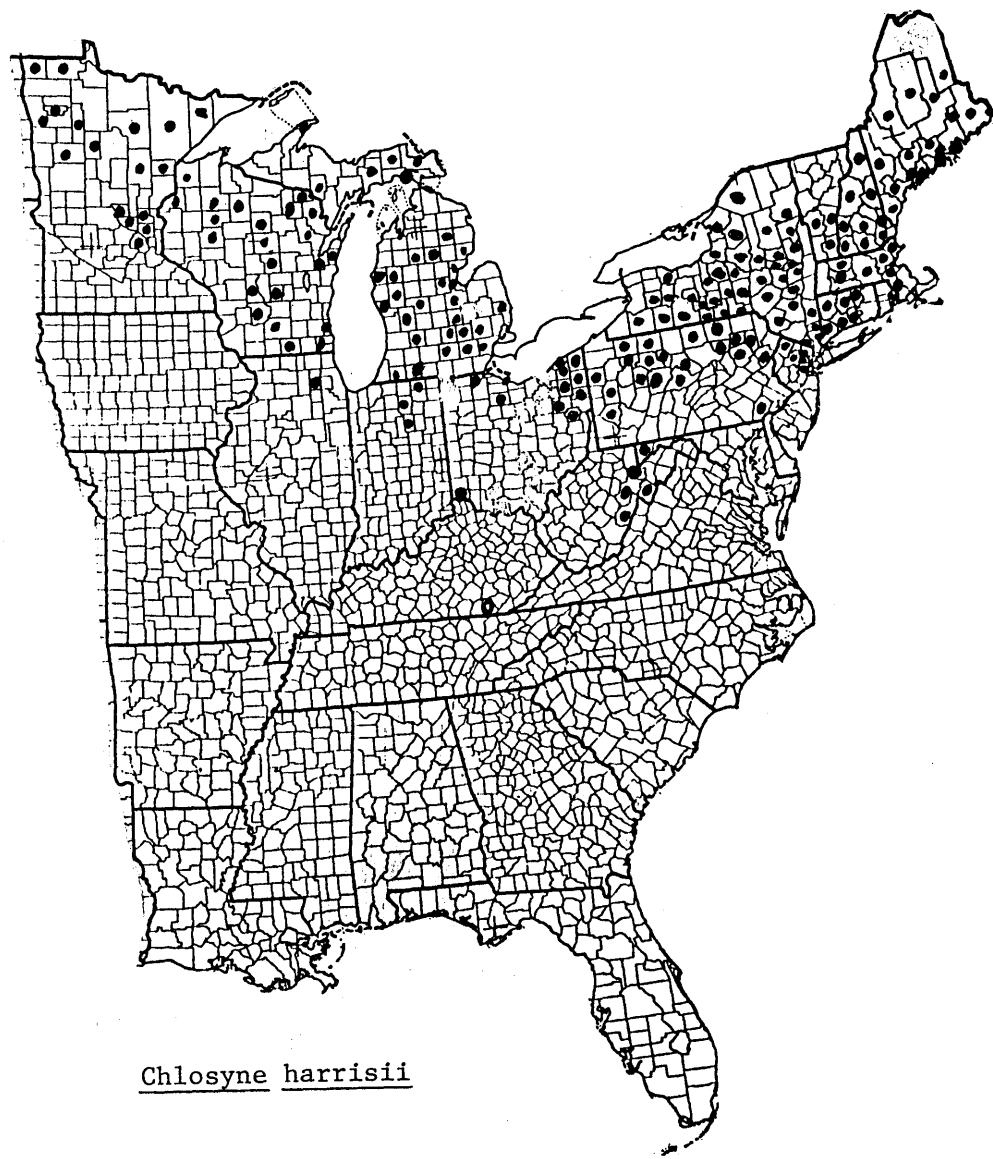


Boloria eunomia dawsoni

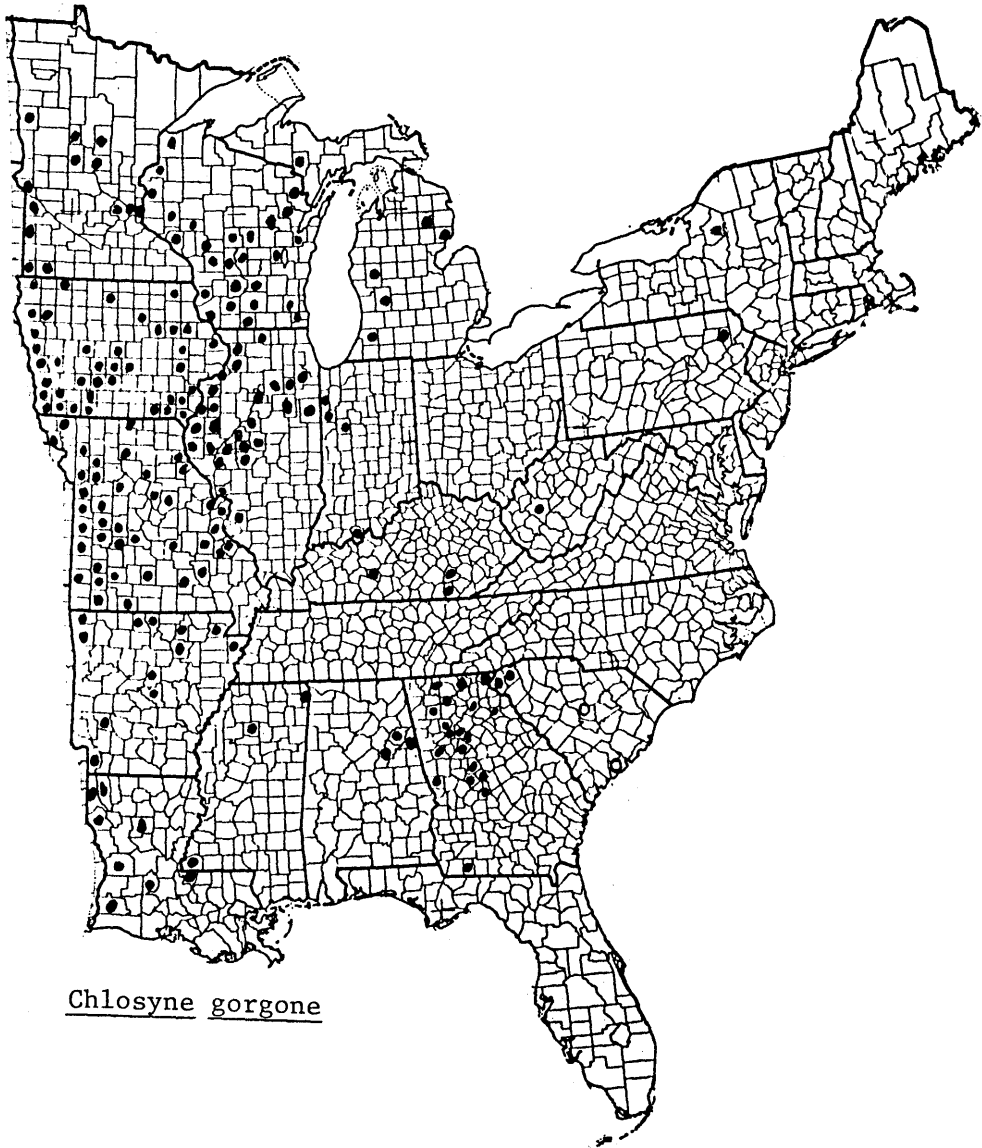




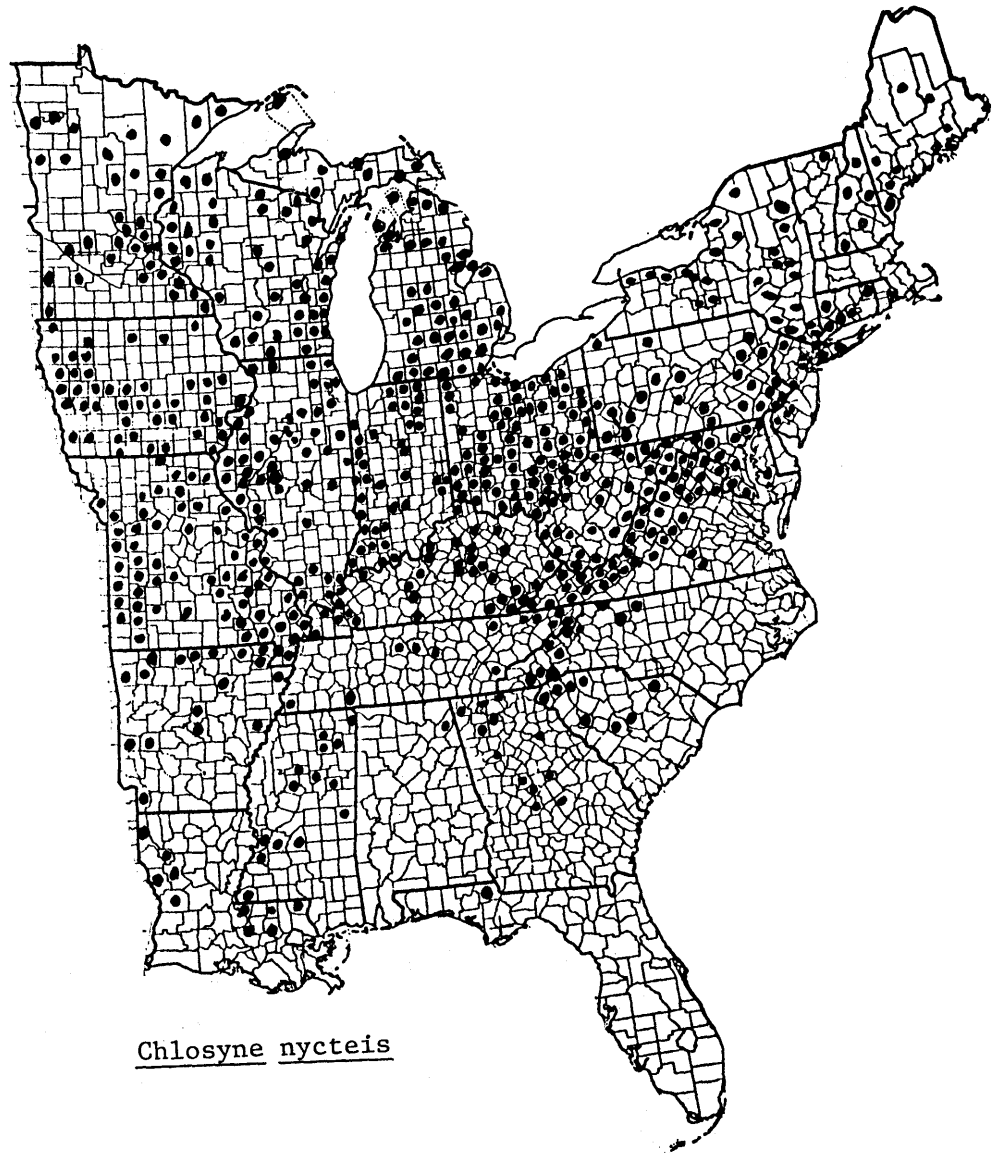
Euphydryas phaeton



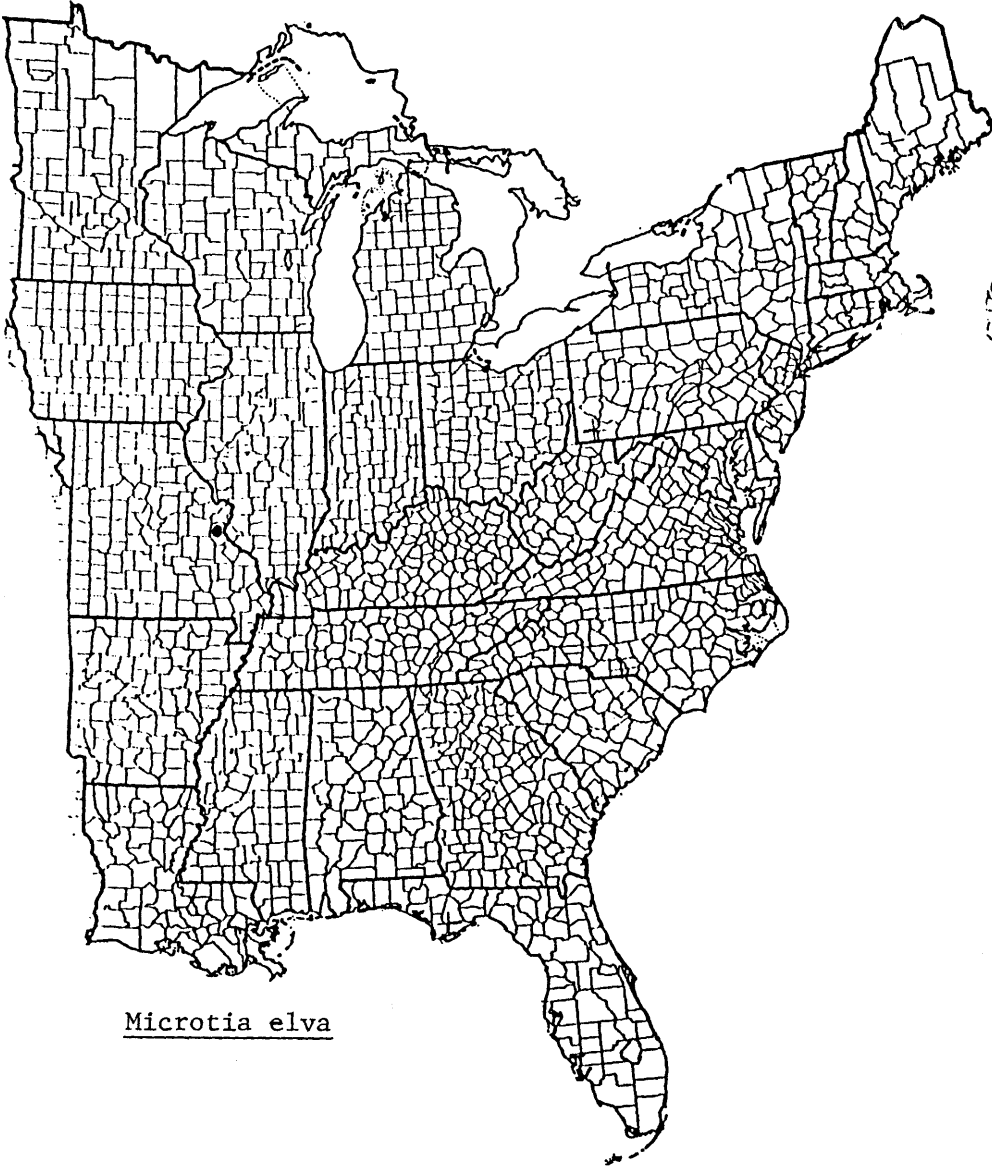
Chlosyne harrisii



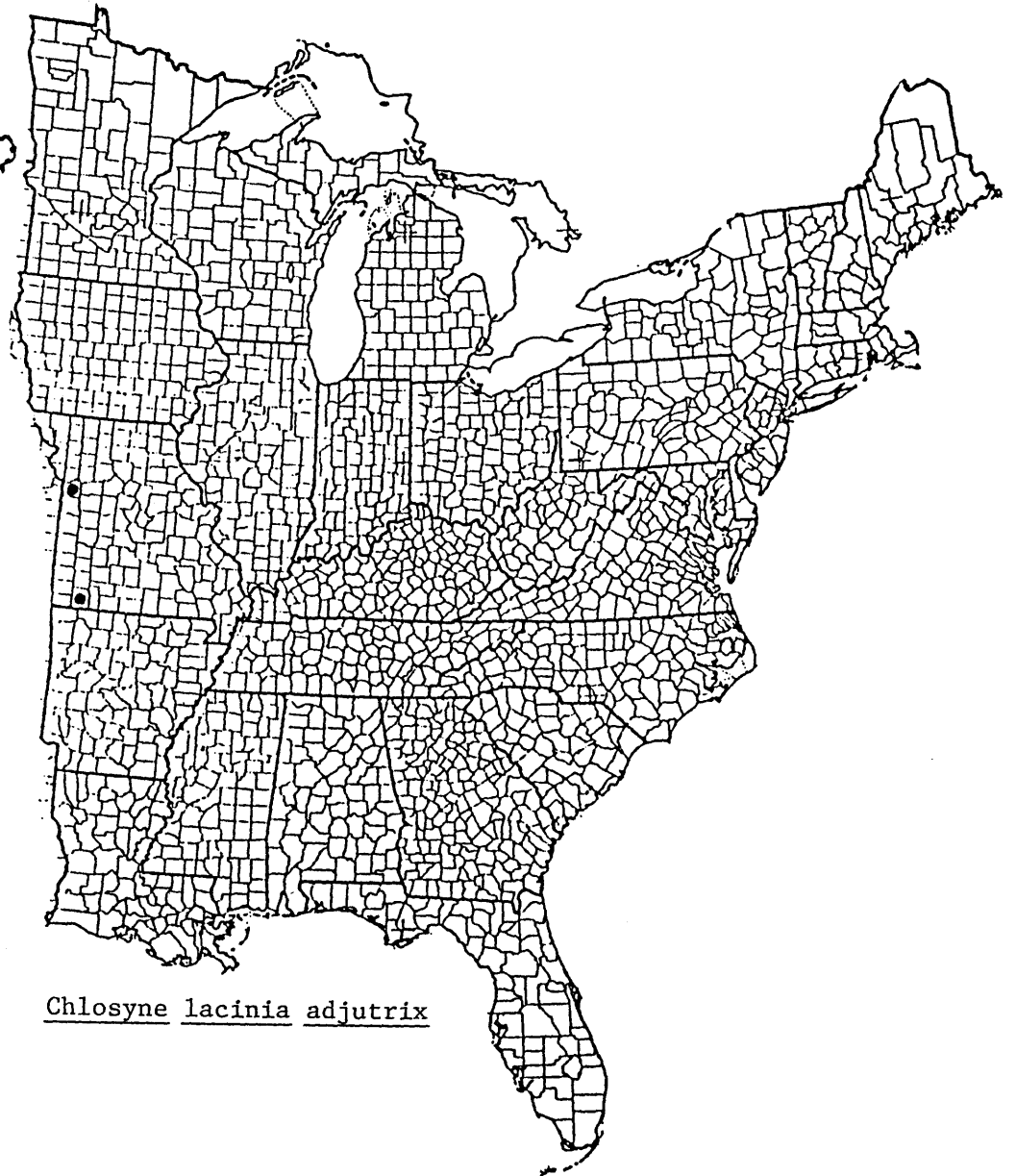
Chlosyne gorgone



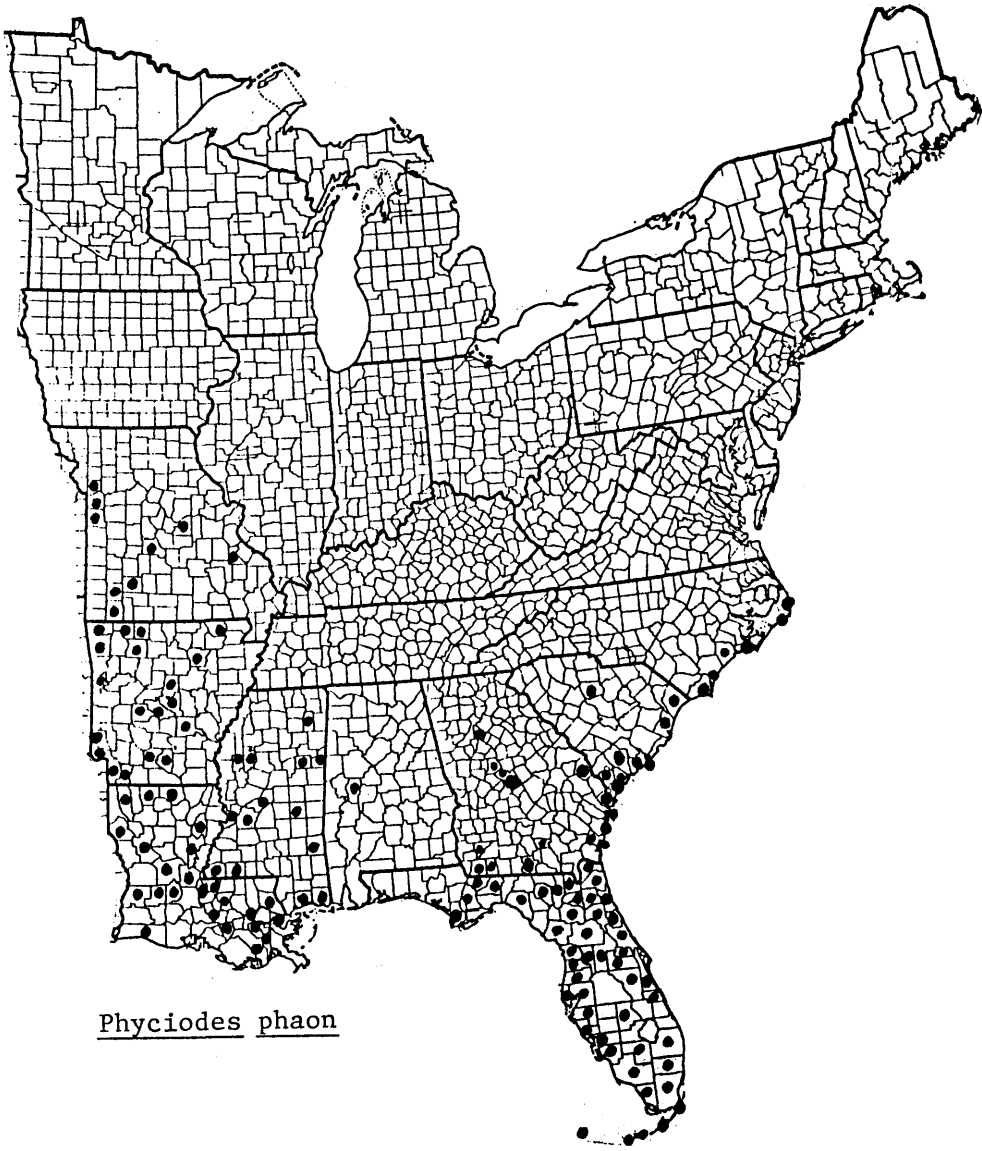
Chlosyne nycteis



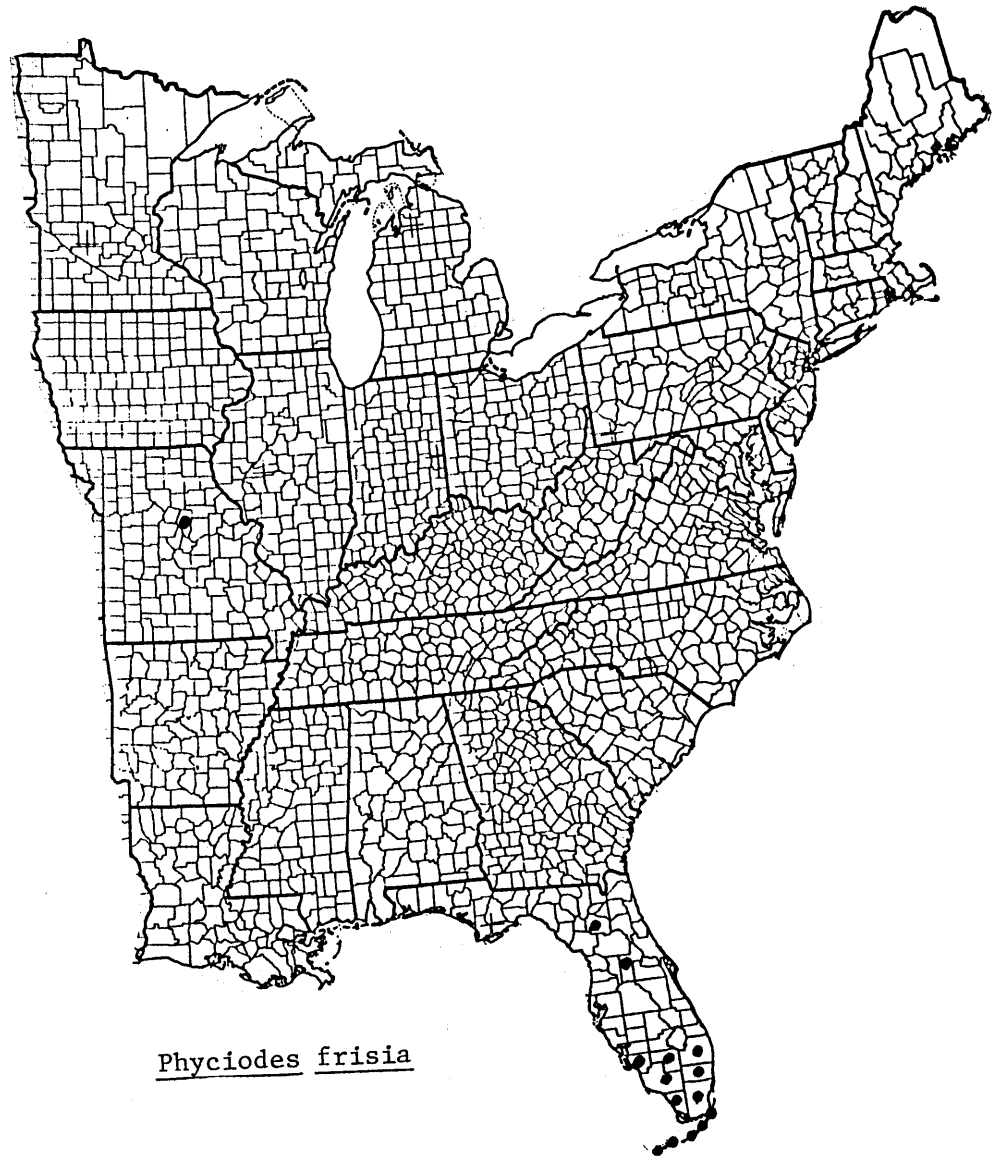
Microtia elva



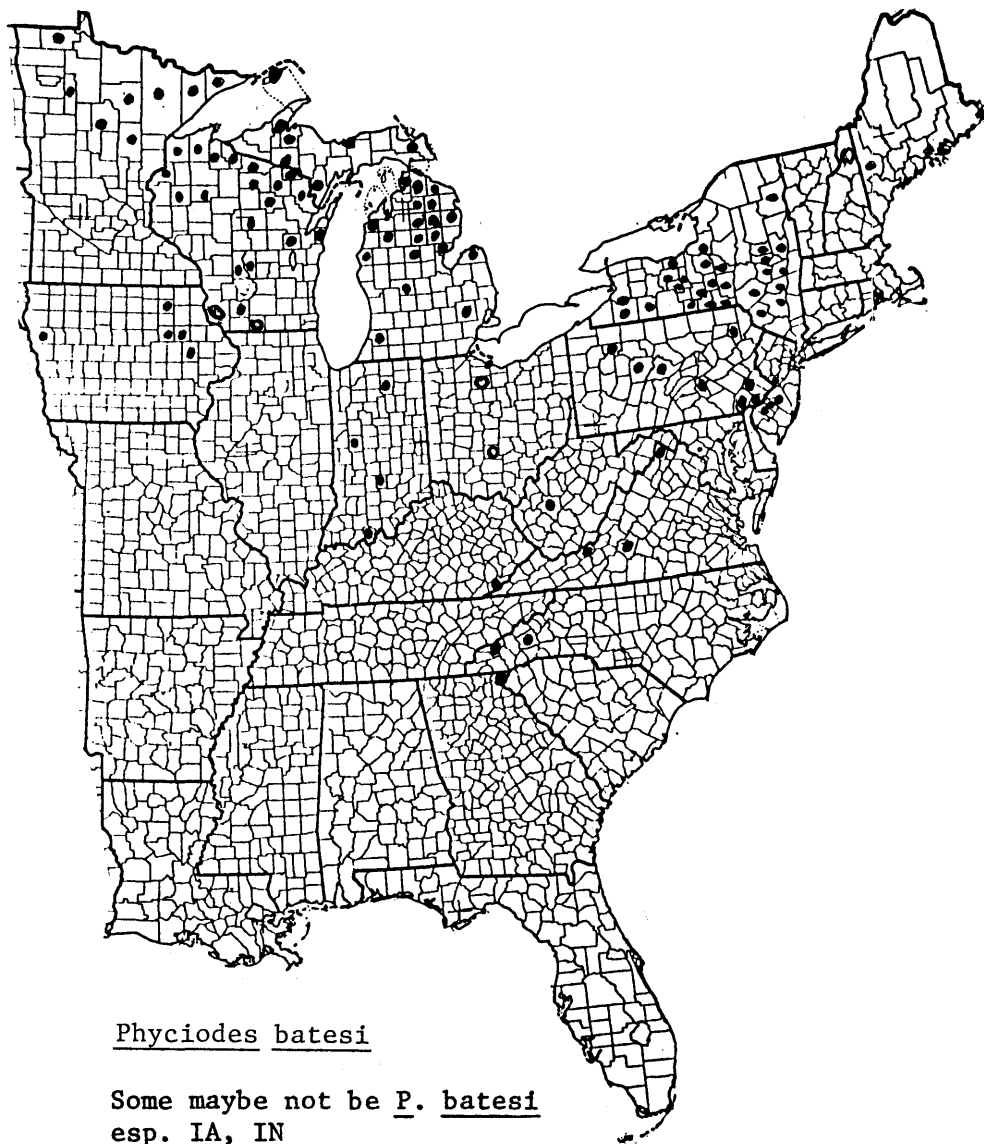
Chlosyne lacinia adjutrix



Phyciodes phaon

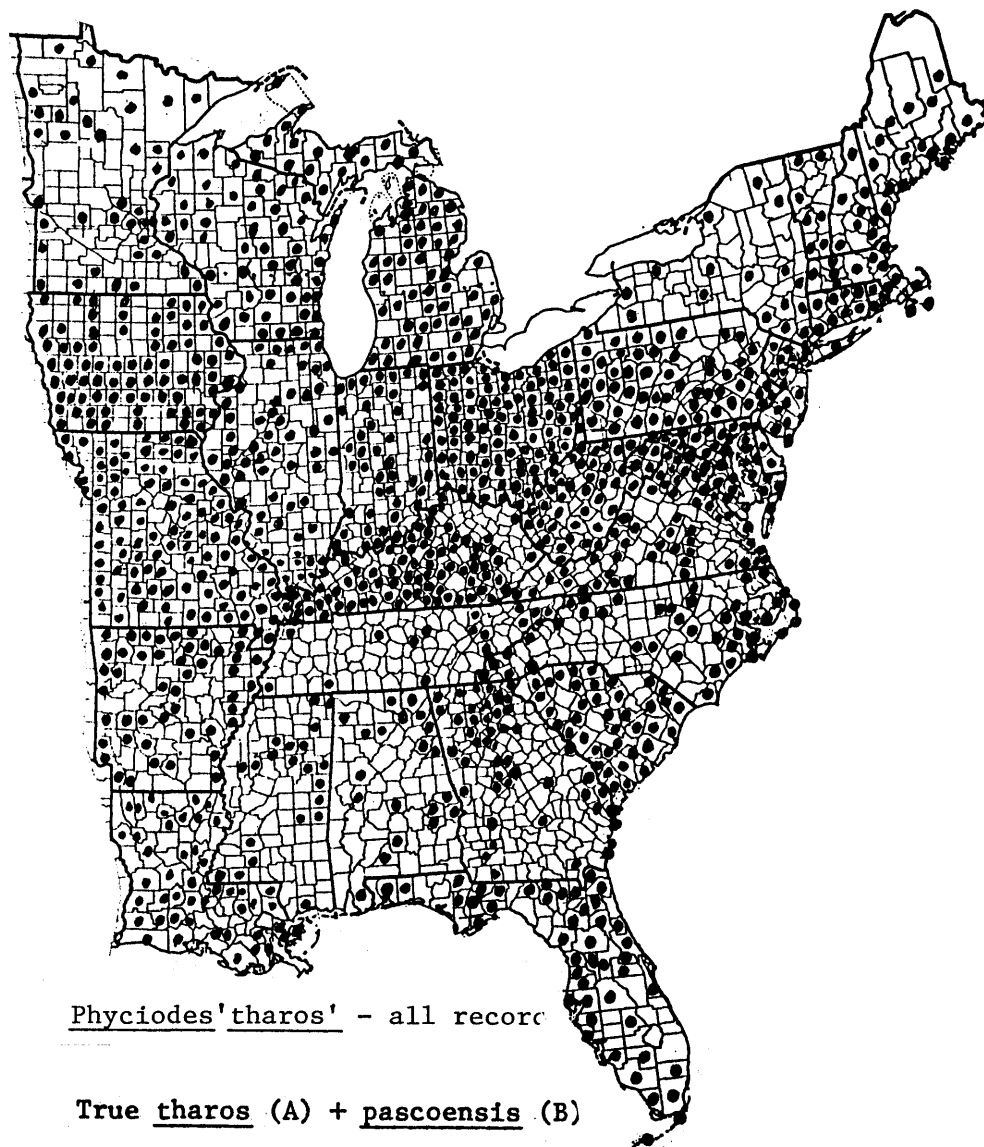


Phyciodes frisia



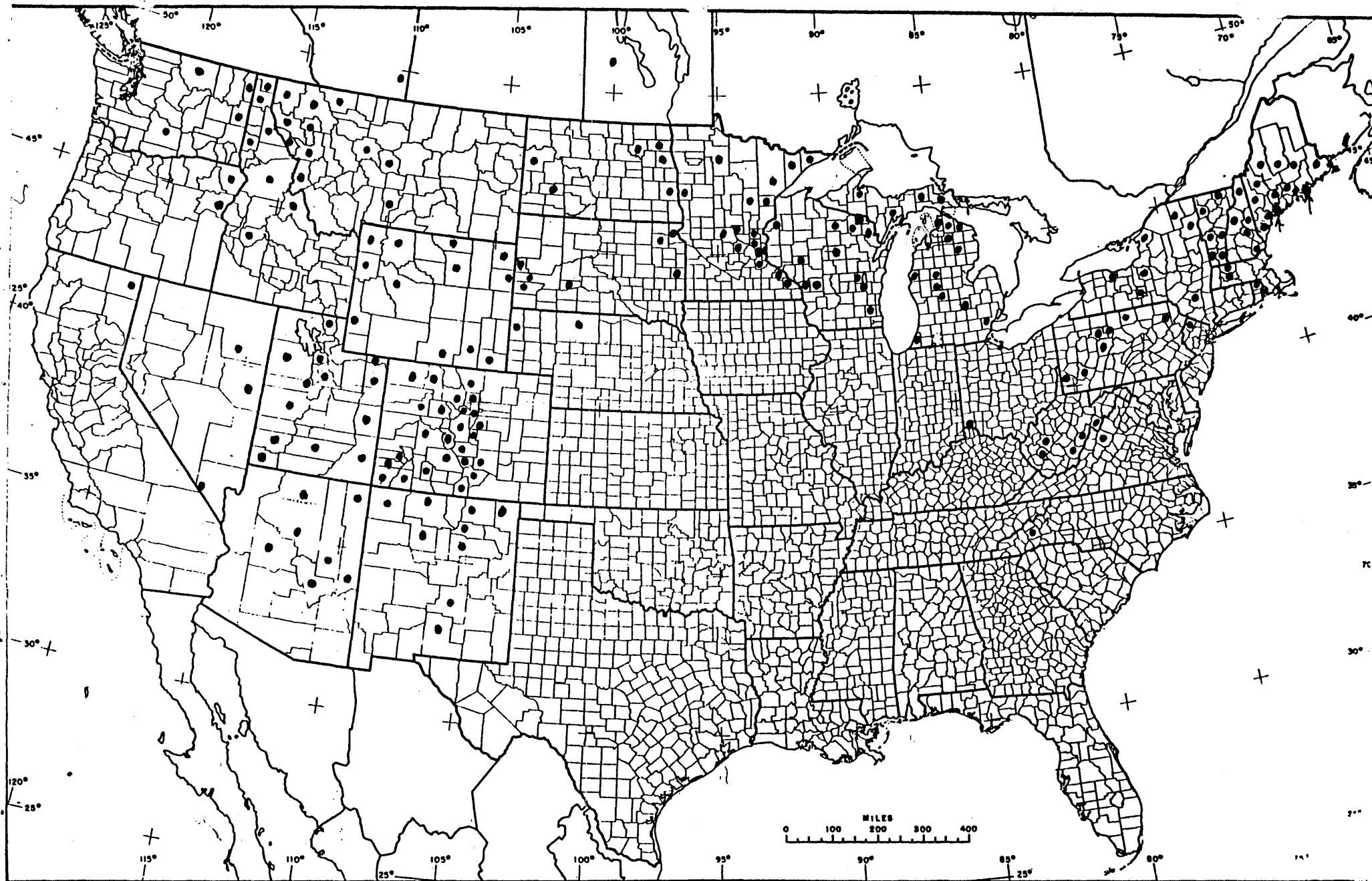
Phyciodes batesi

Some maybe not be P. batesi
esp. IA, IN

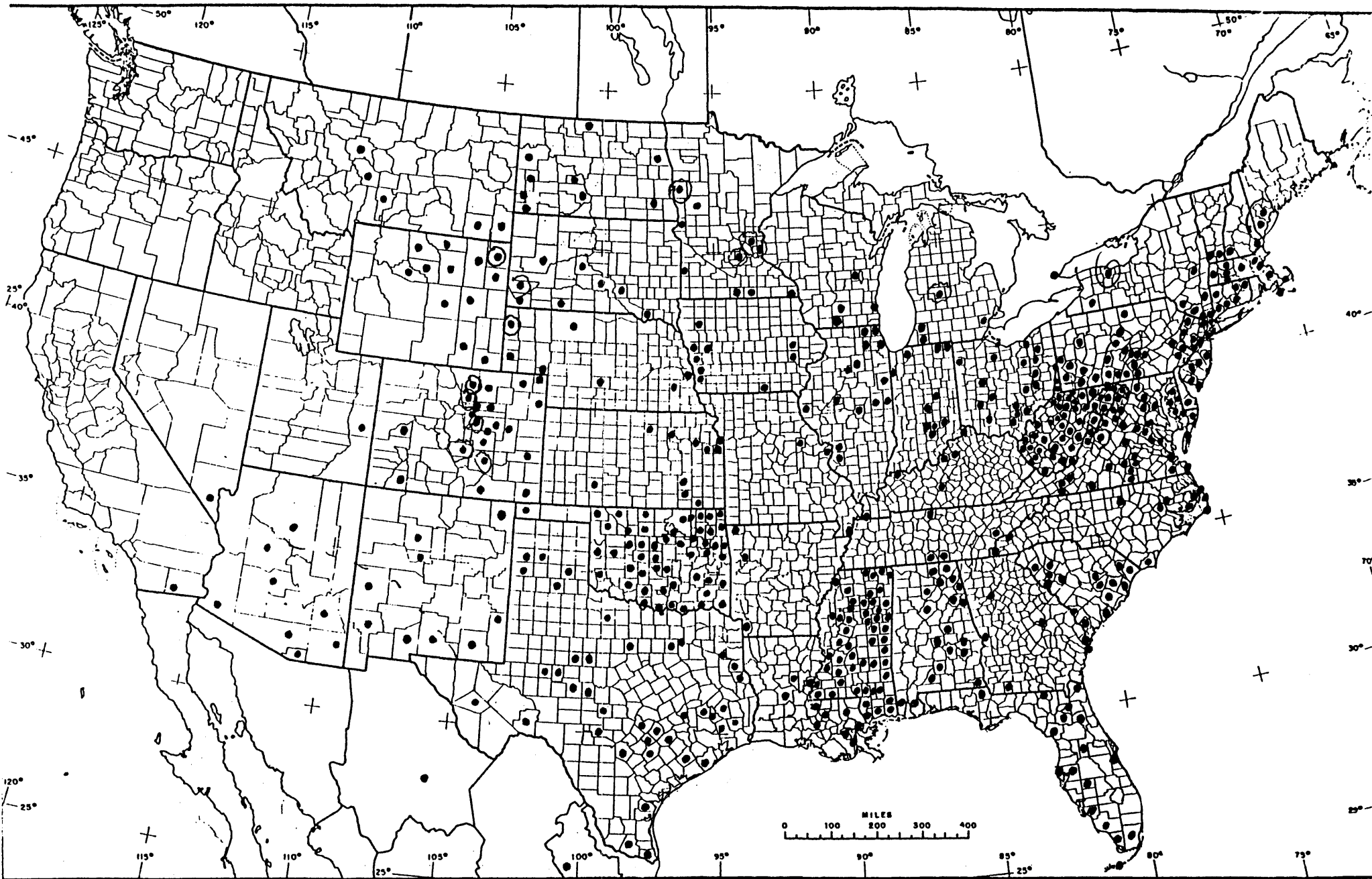


Phyciodes 'tharos' - all records

True tharos (A) + pascoensis (B)

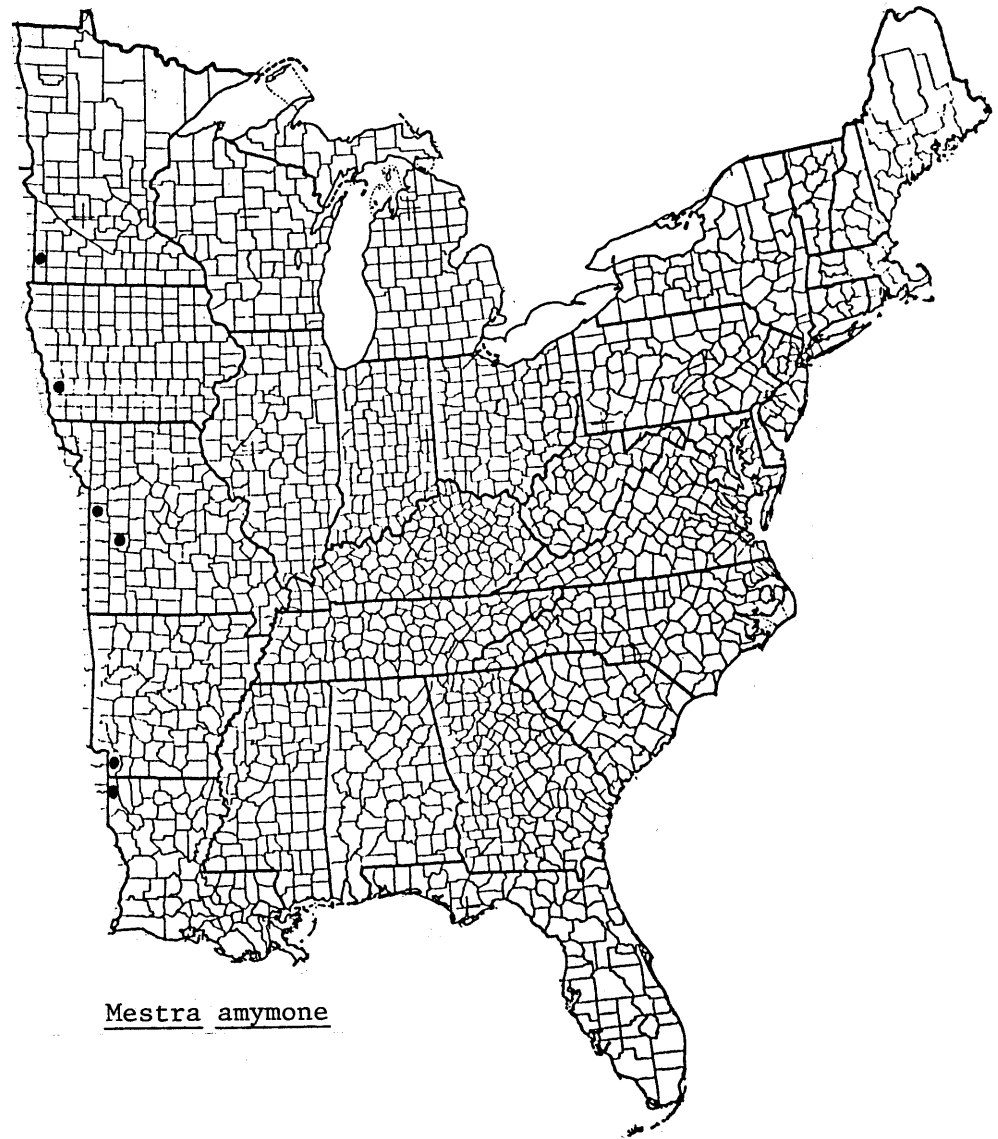
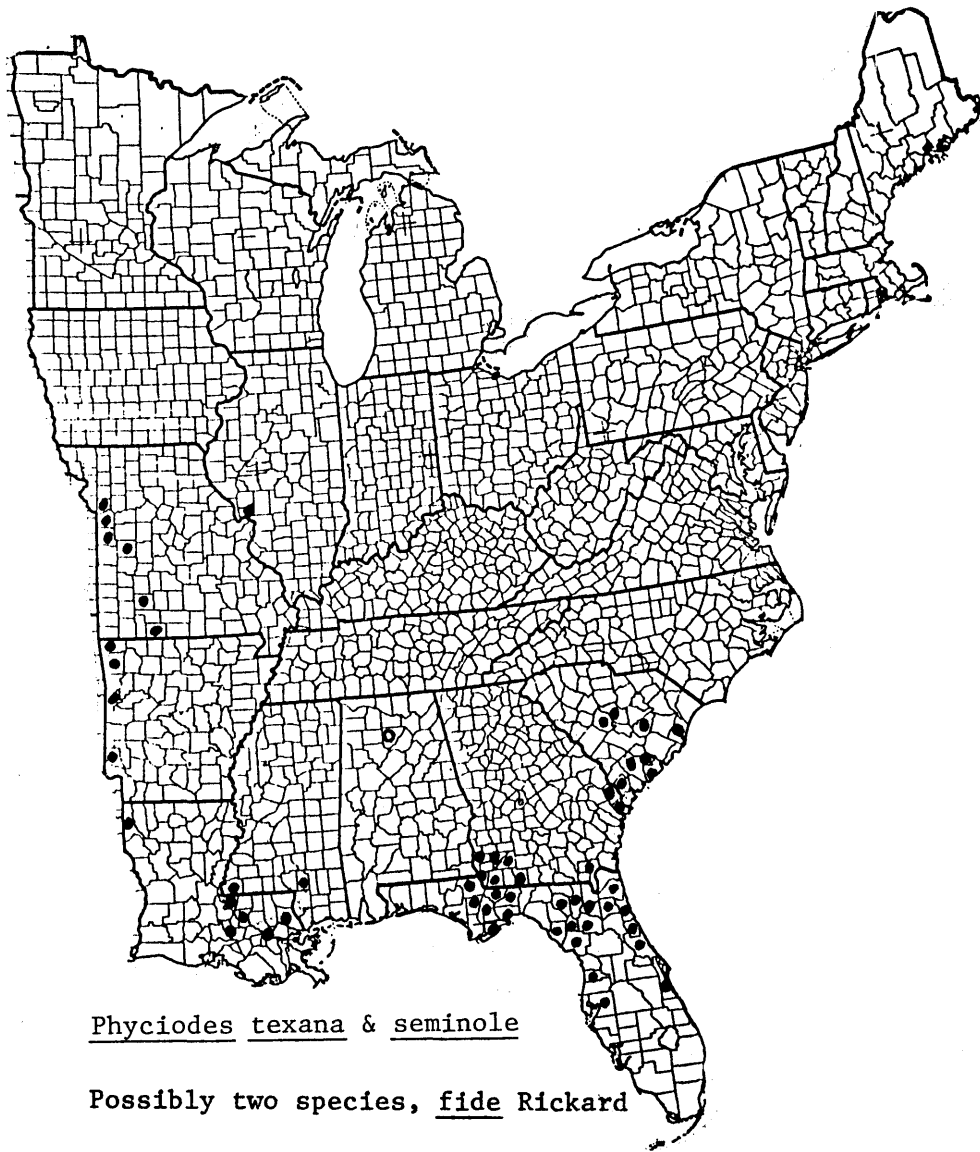


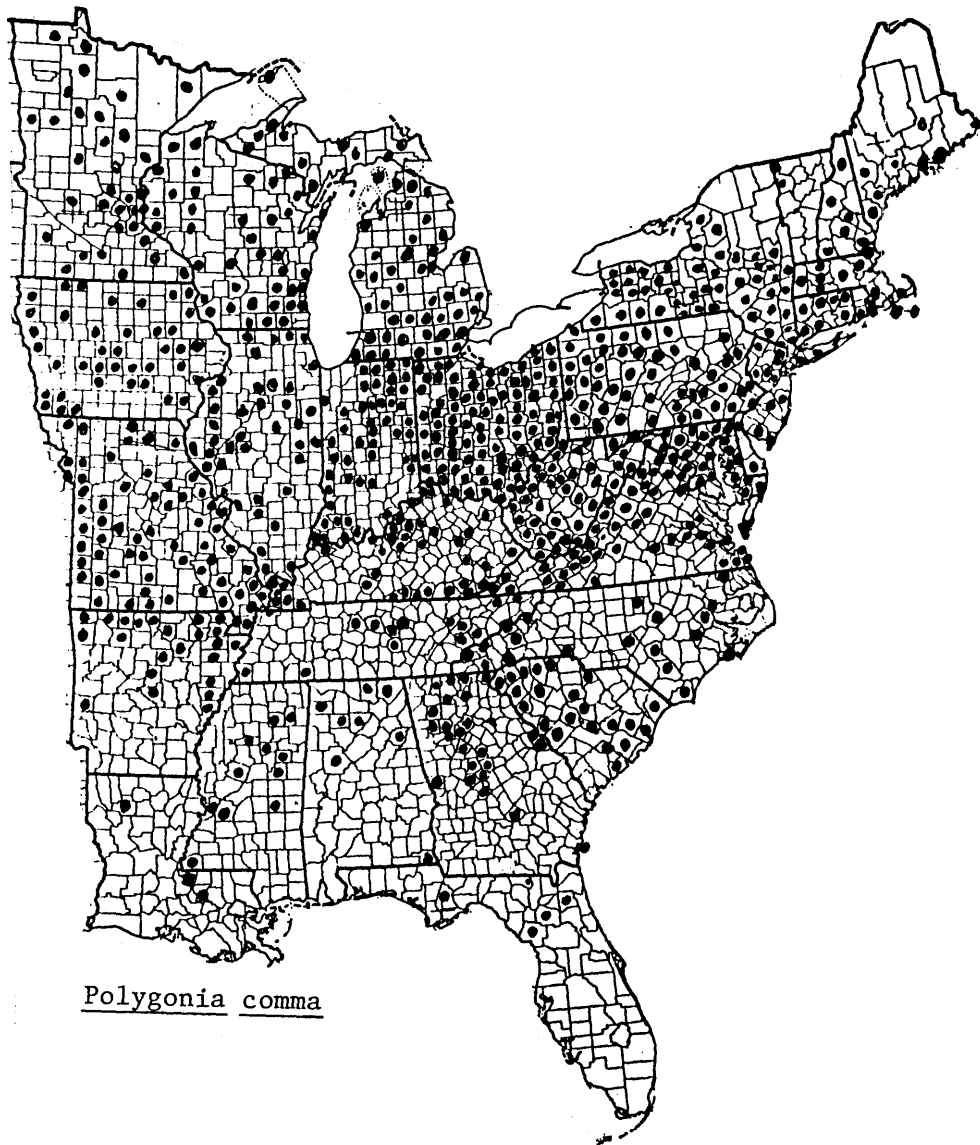
Phyciodes tharos "B" = P. pascoensis Wright, all material examined
or reliably reported



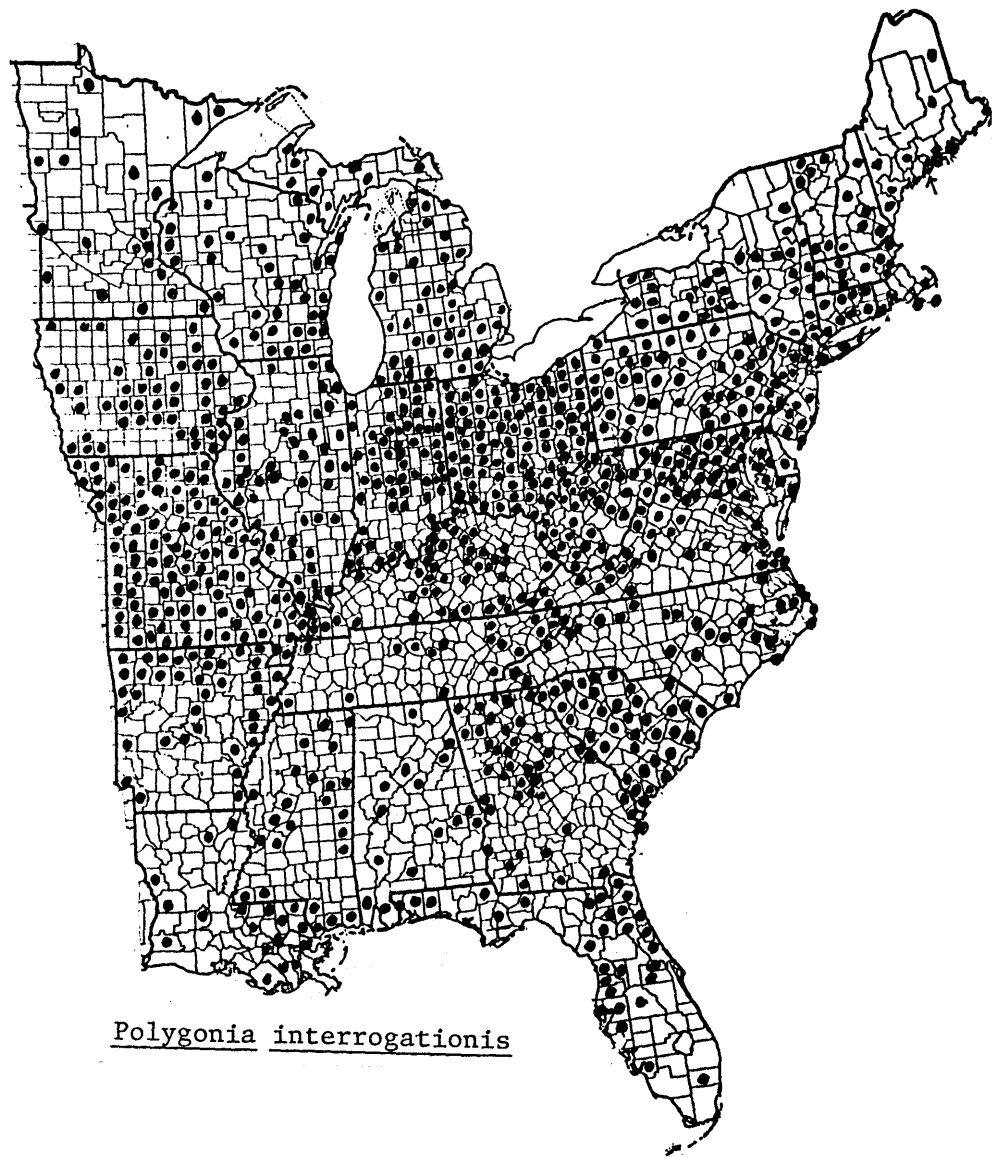
Phyciodes tharos "A" = True P. tharos Drury

All records south of 40° N. Lat., except in mountains are like this.
 Circled counties are where both species definitely occur.

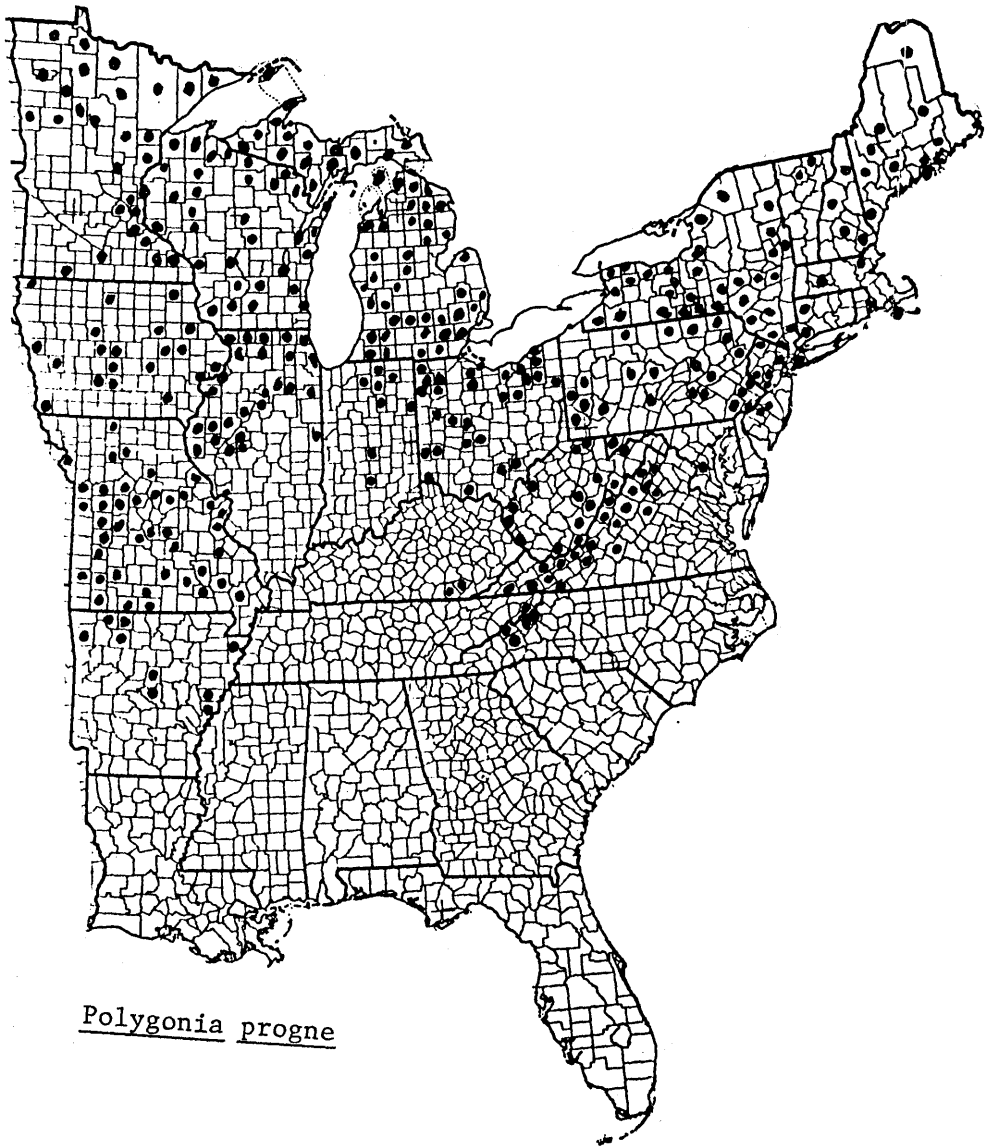




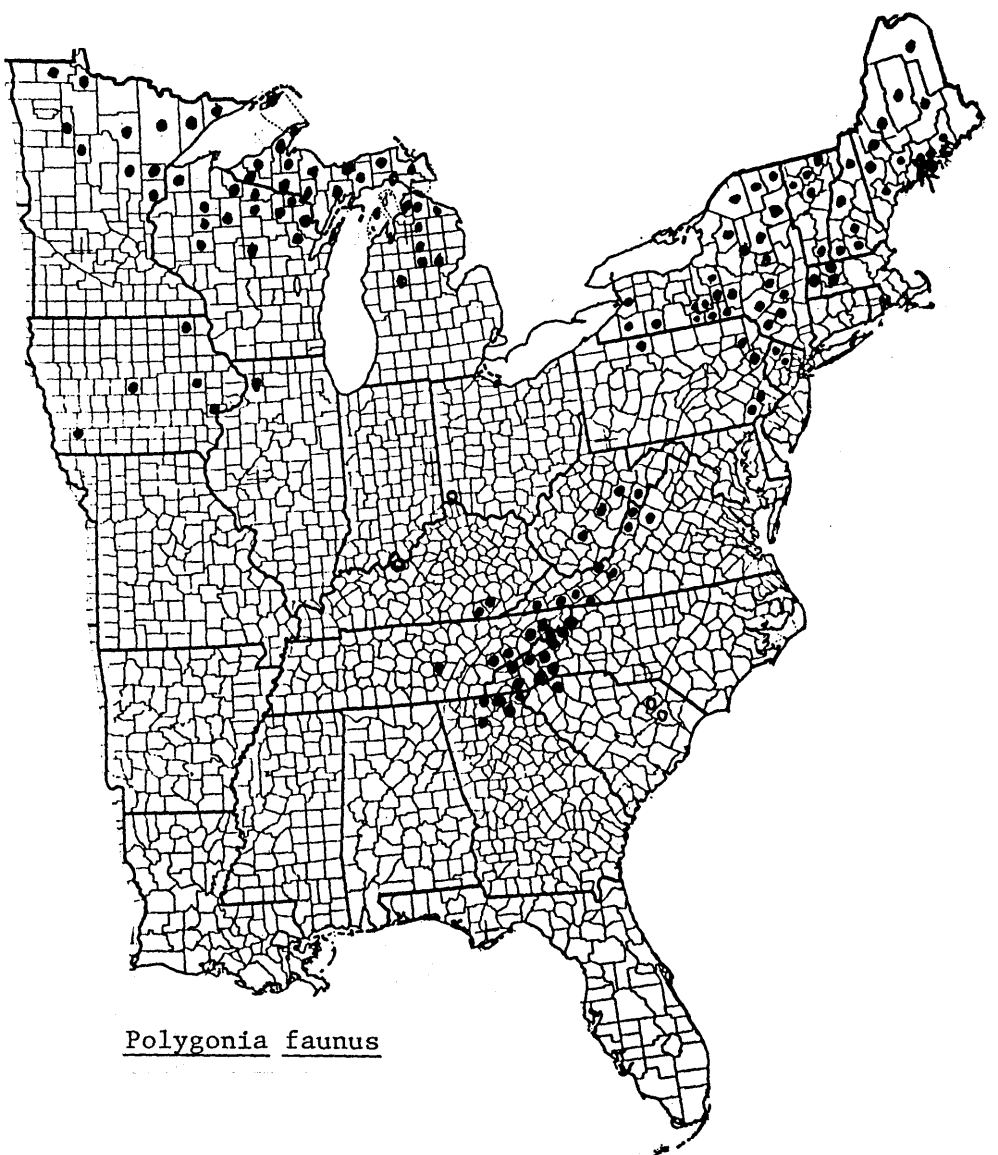
Polygonia comma



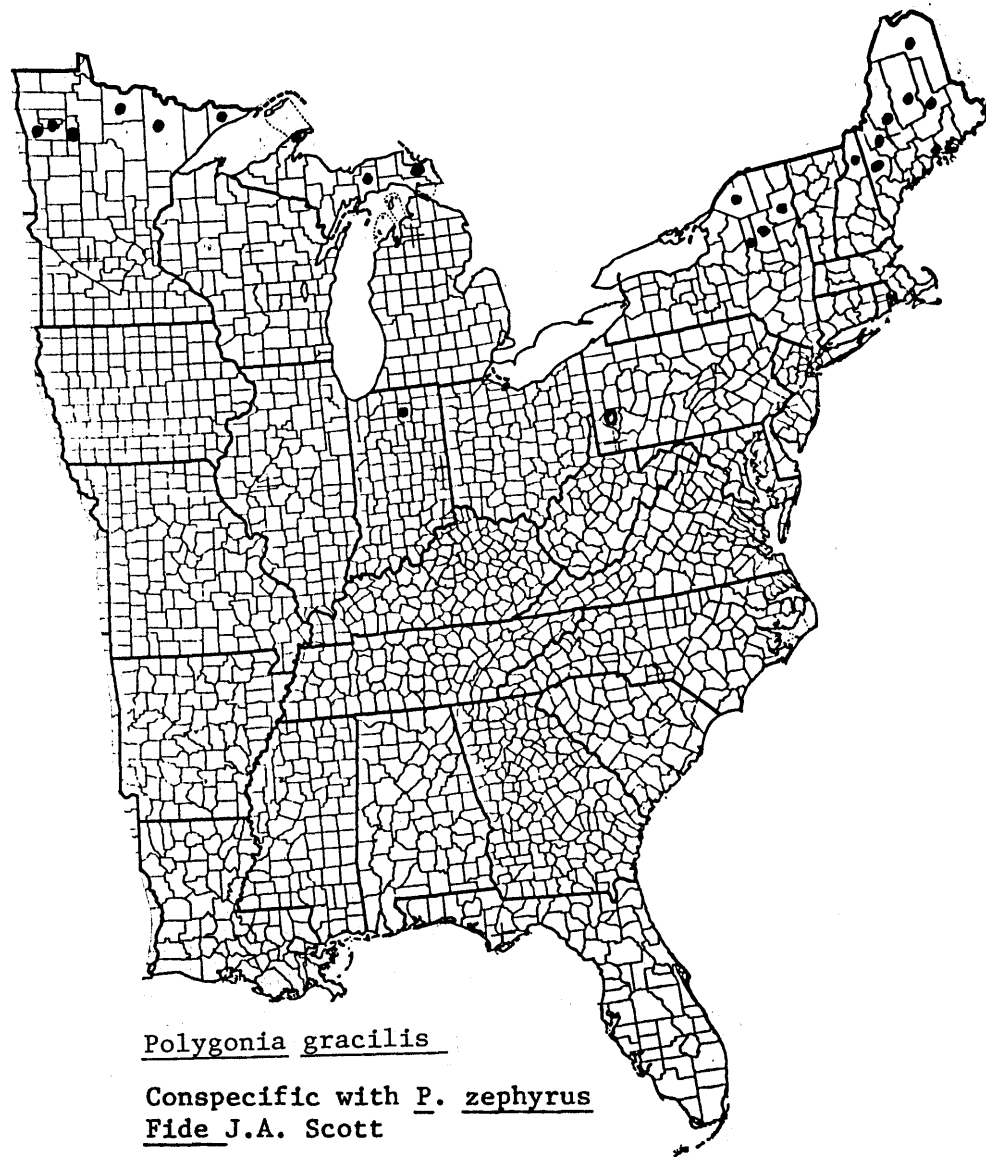
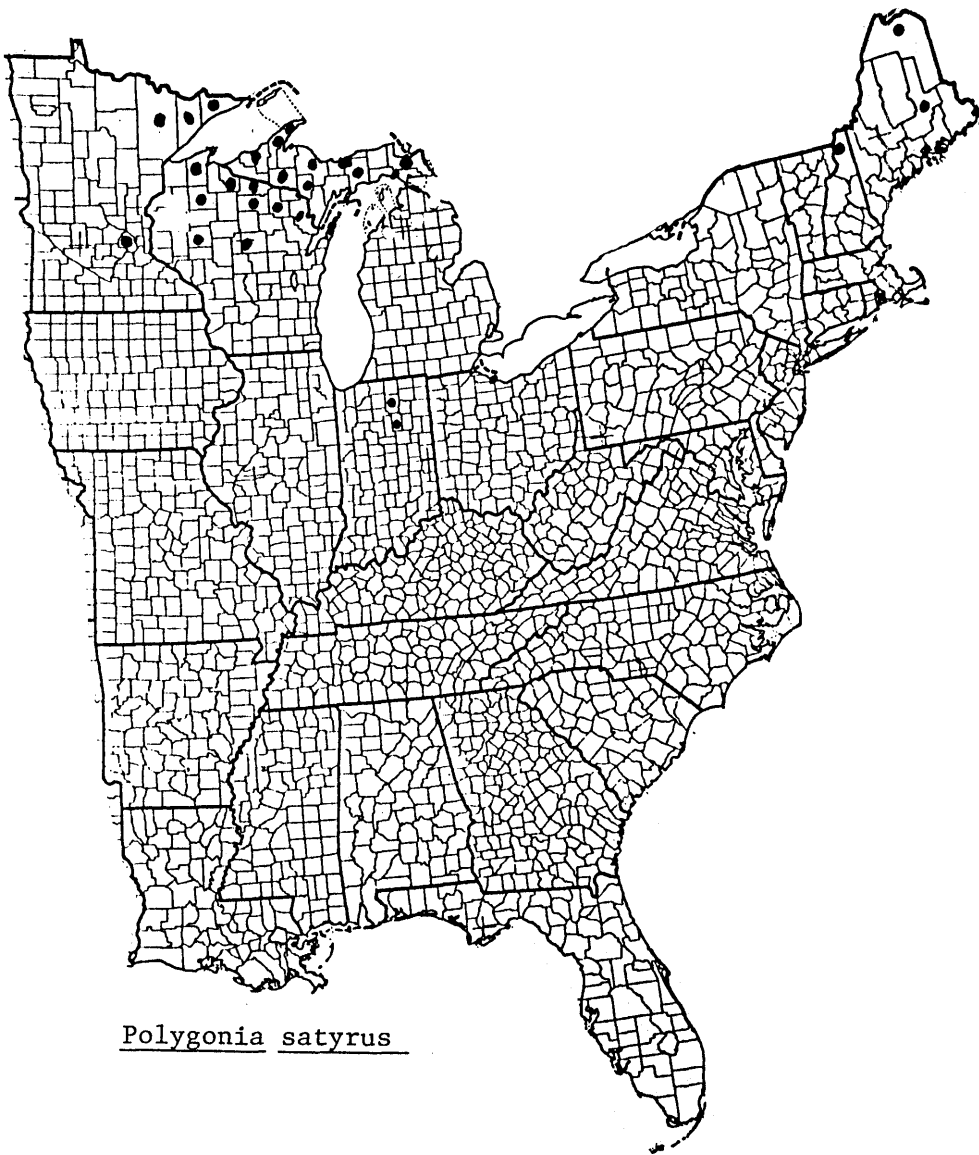
Polygonia interrogationis

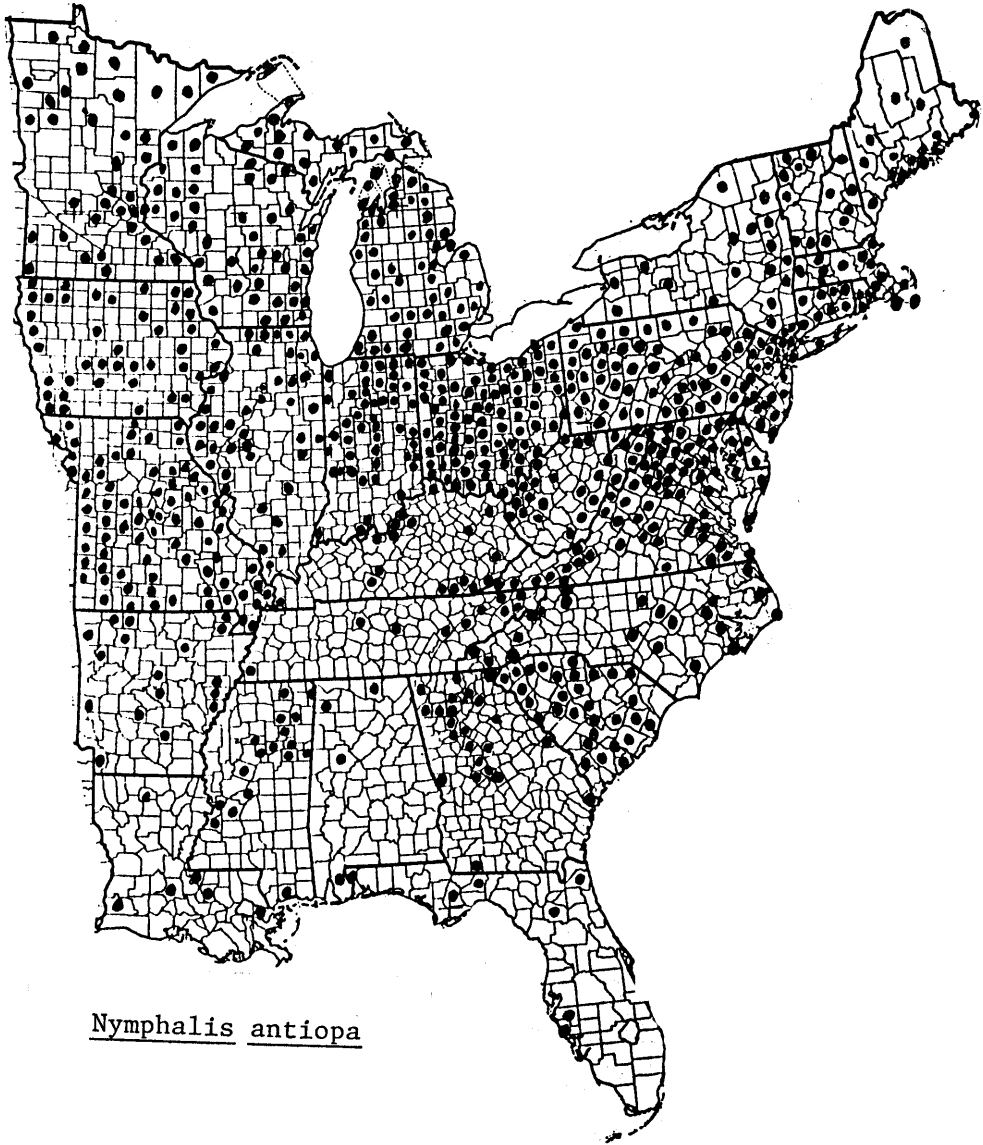


Polygonia progne

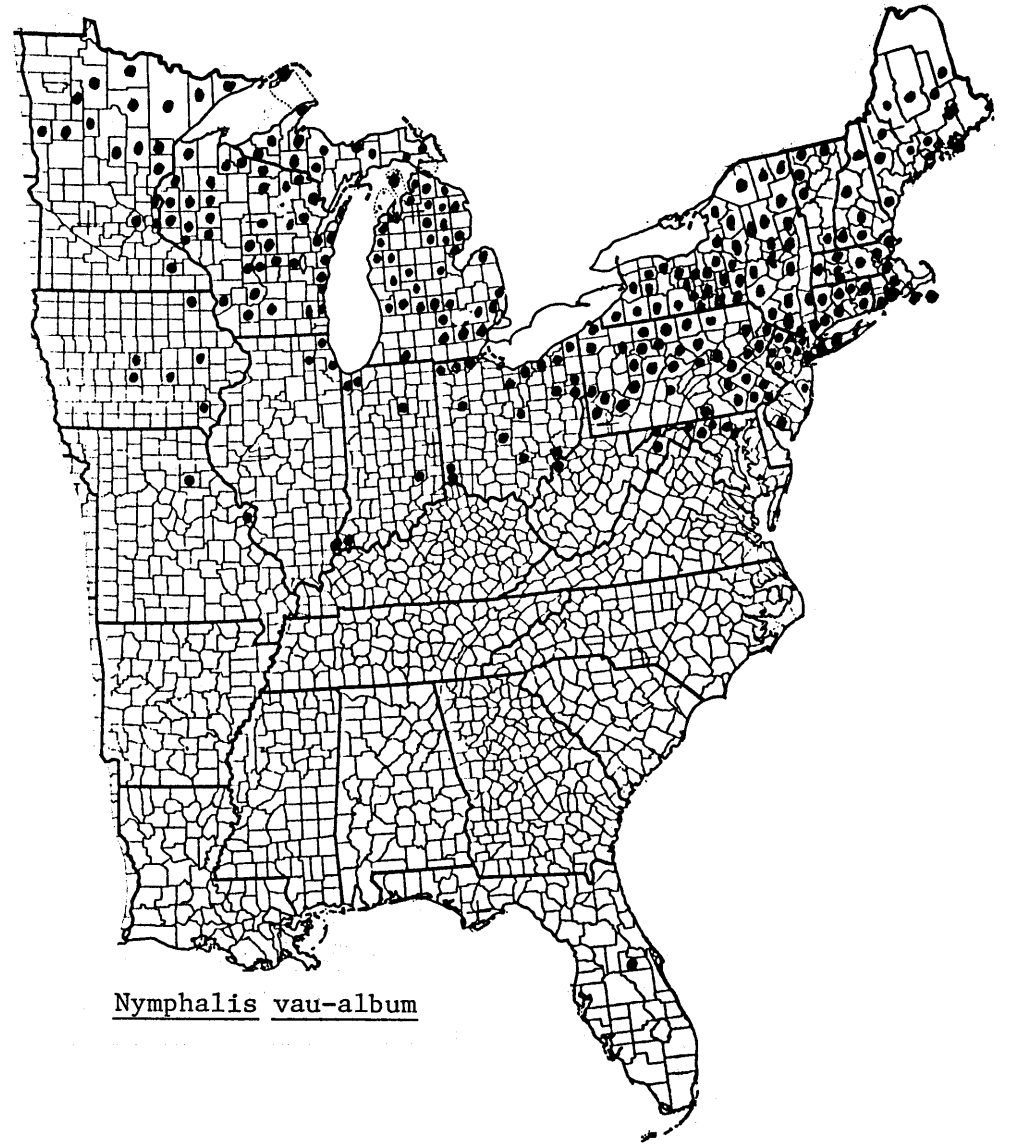


Polygonia faunus

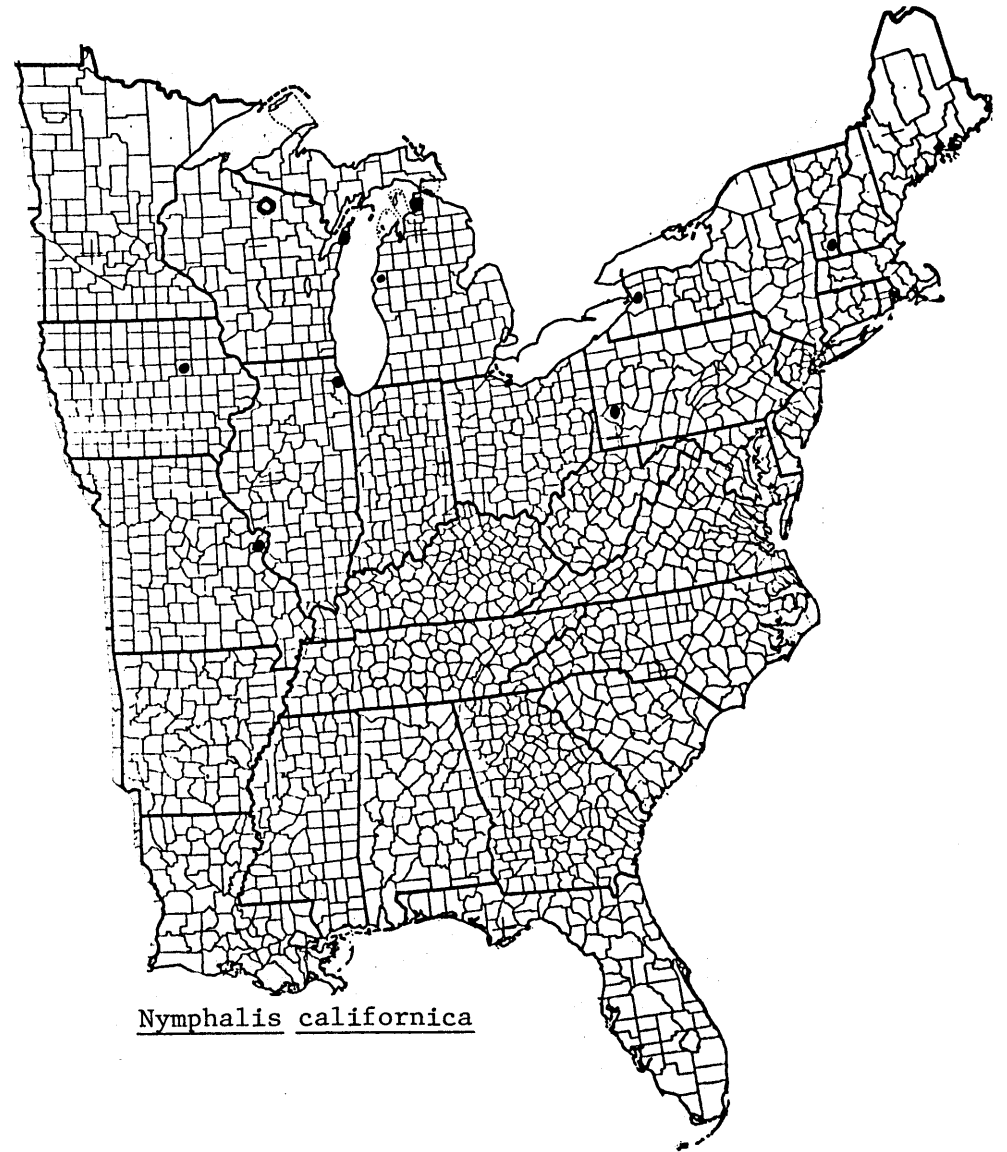
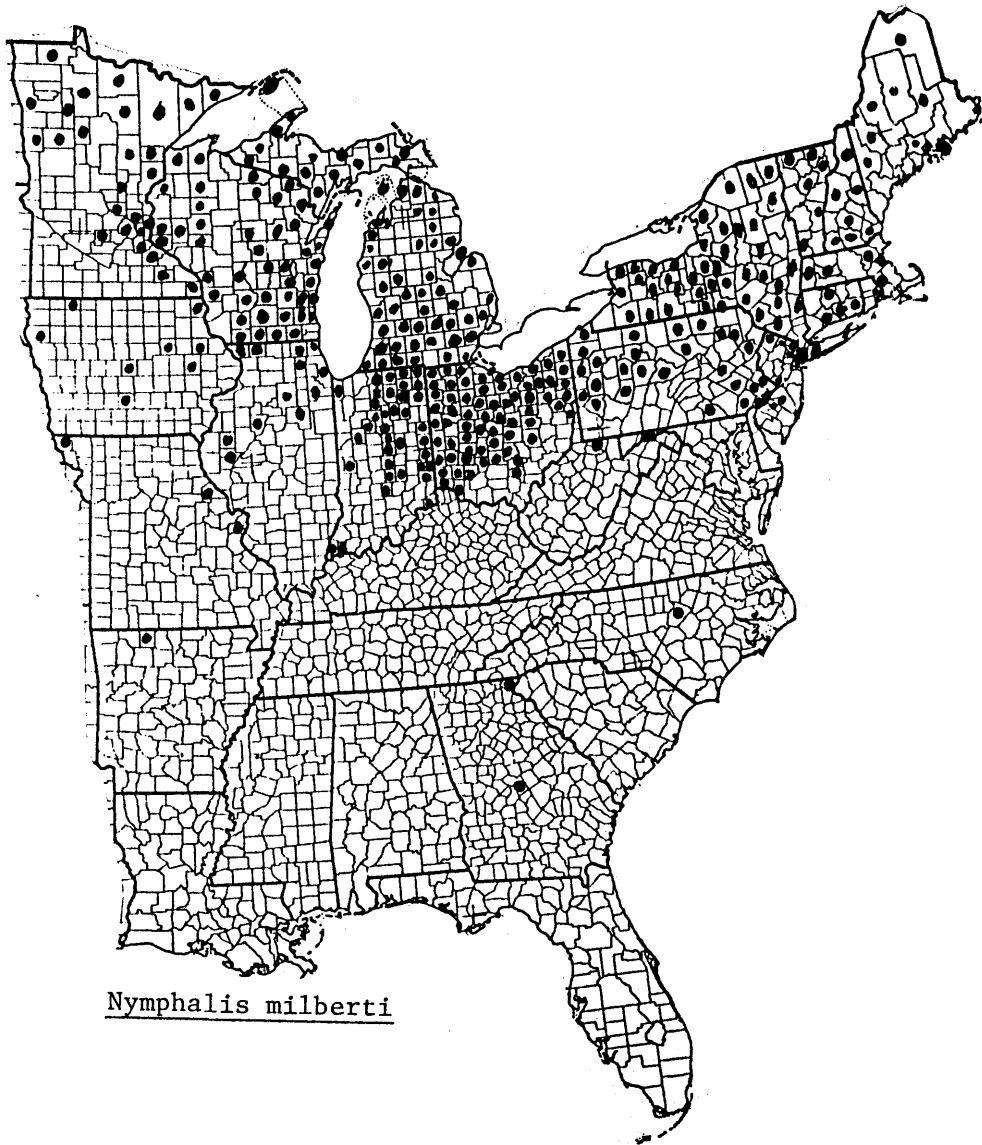


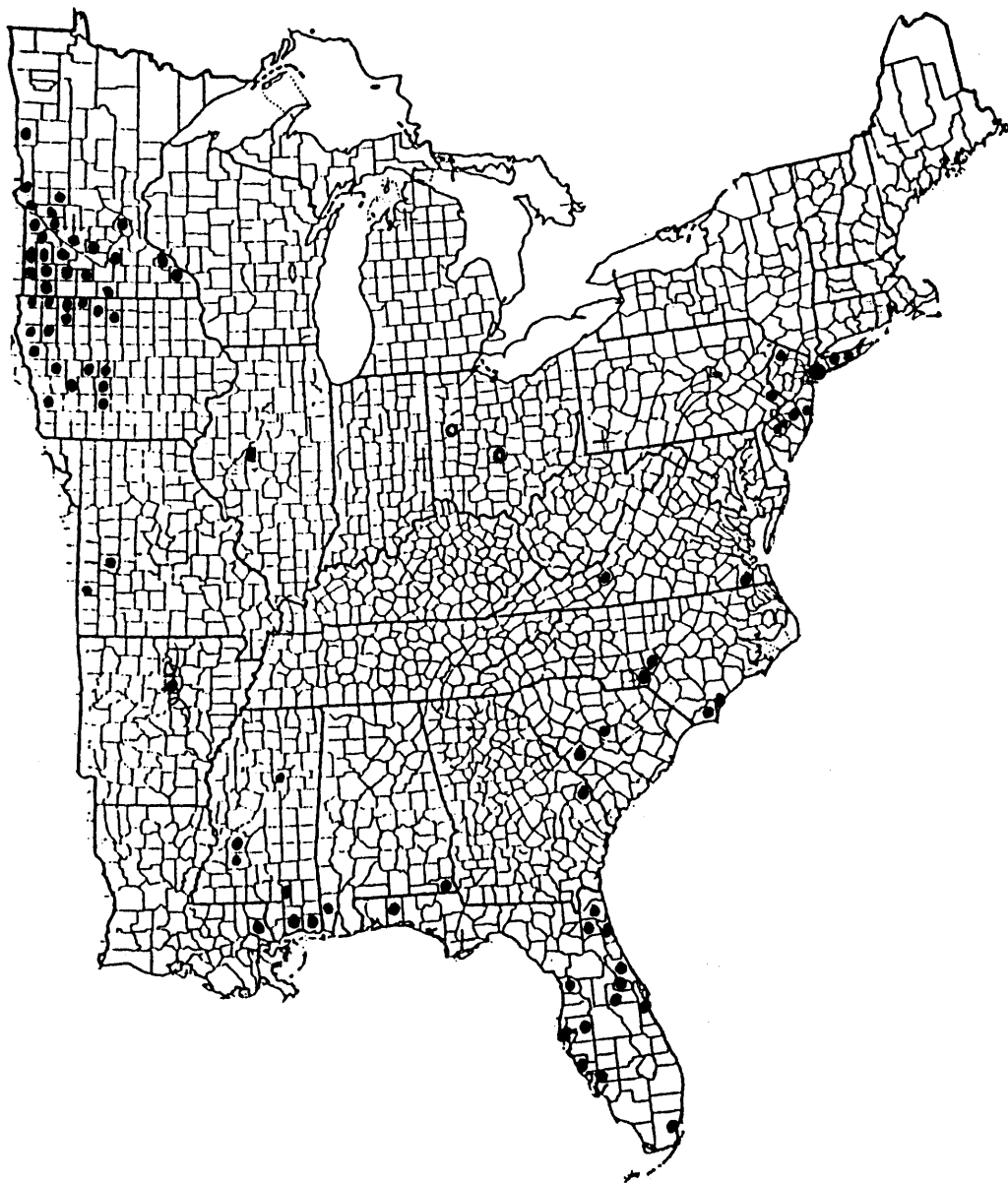


Nymphalis antiopa

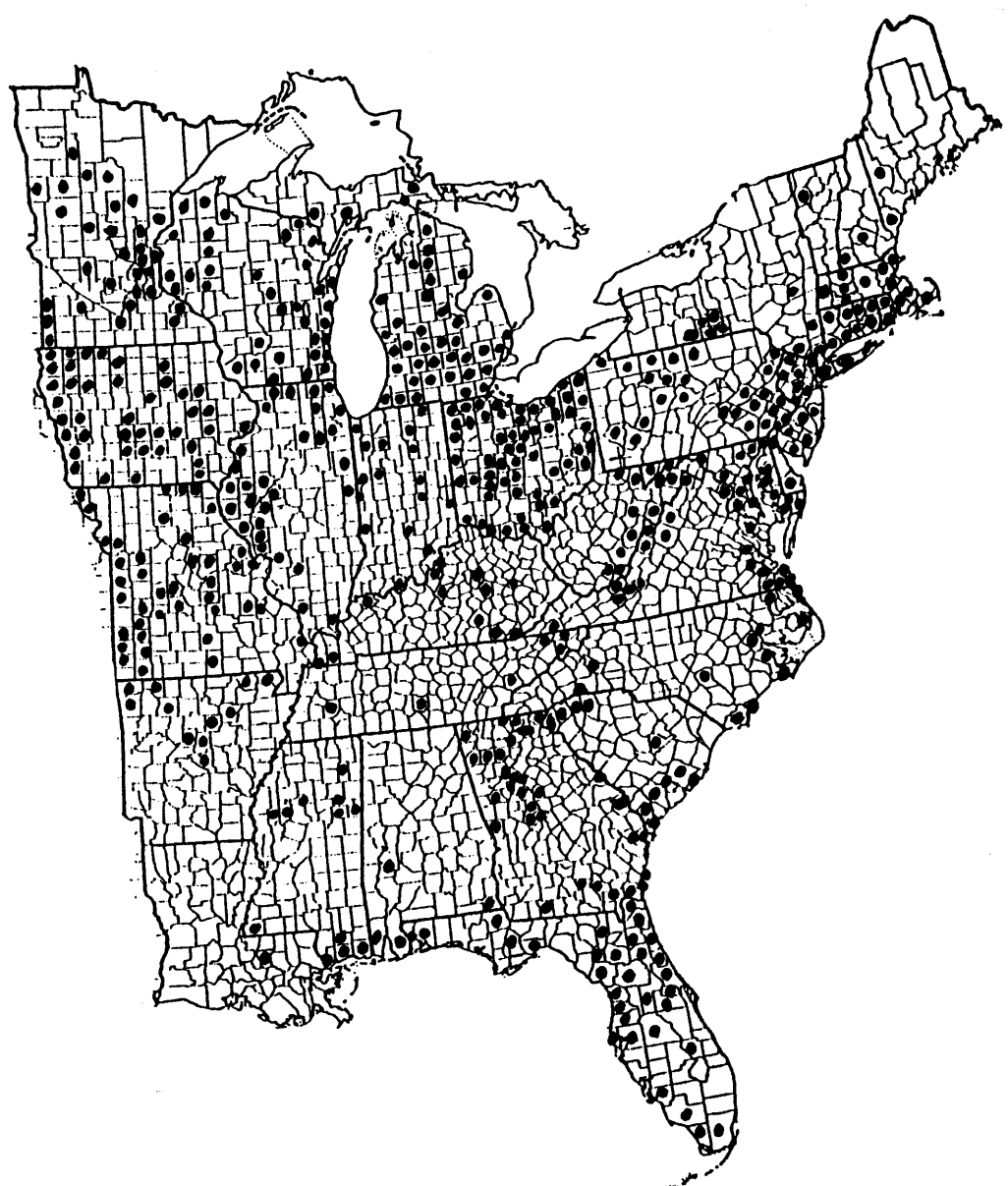


Nymphalis vau-album

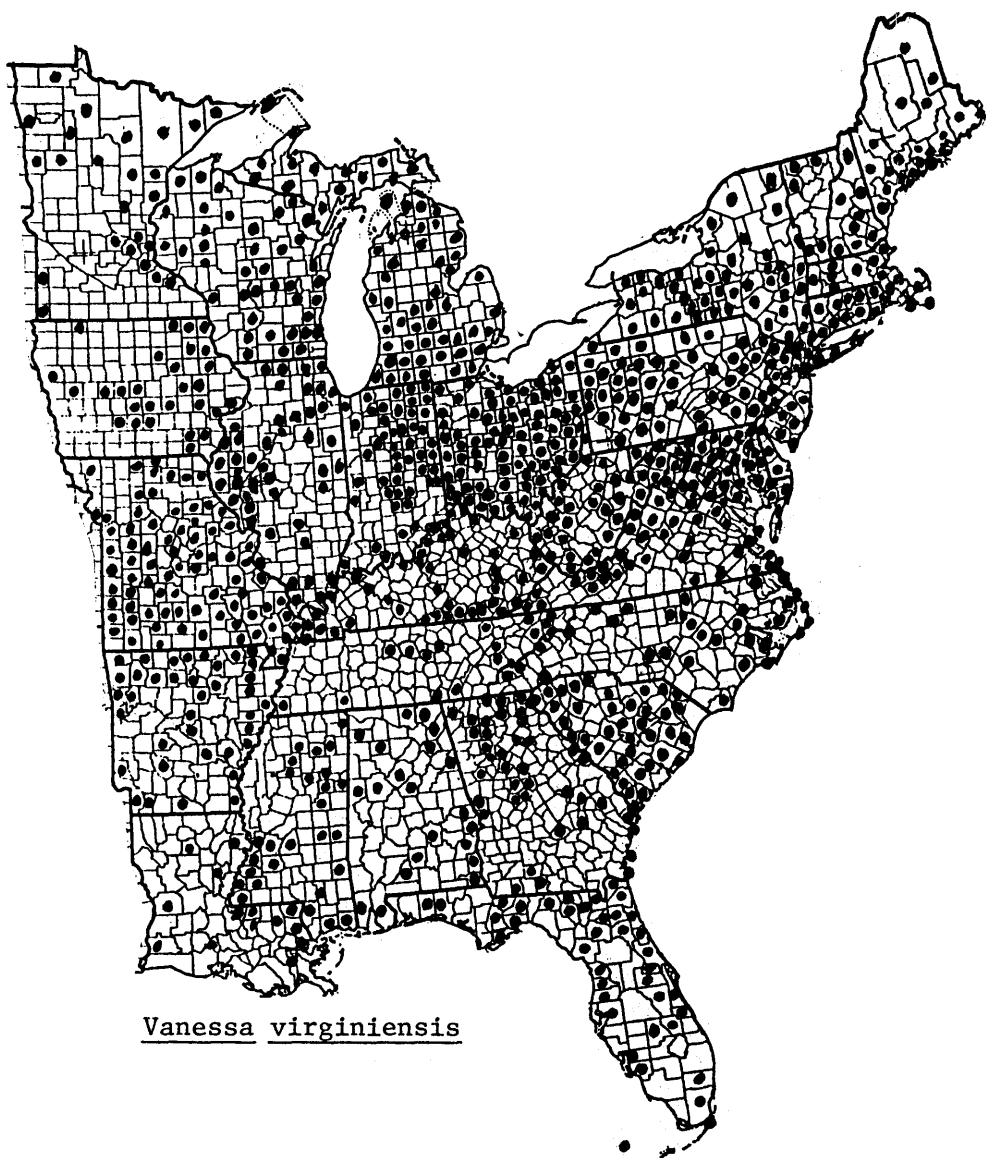




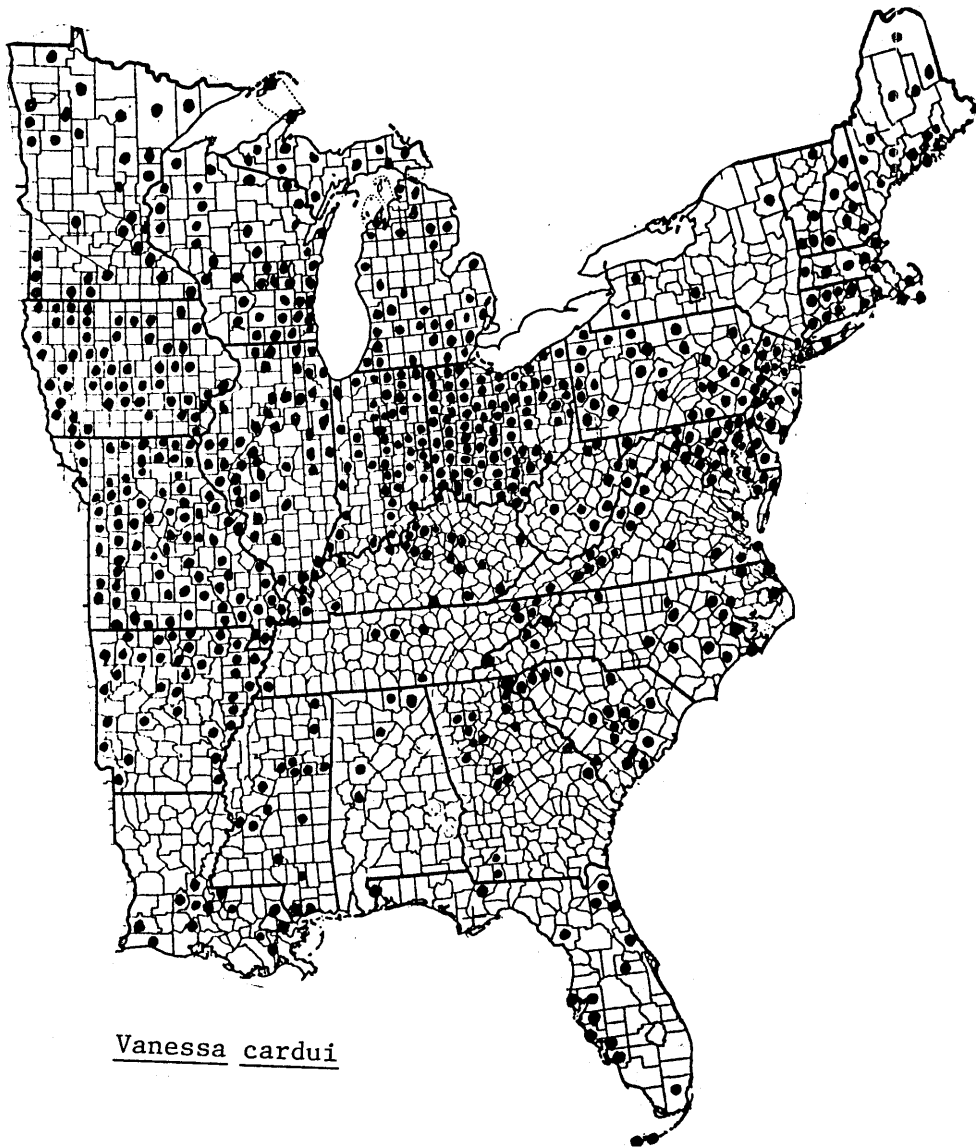
Atrytone arogos



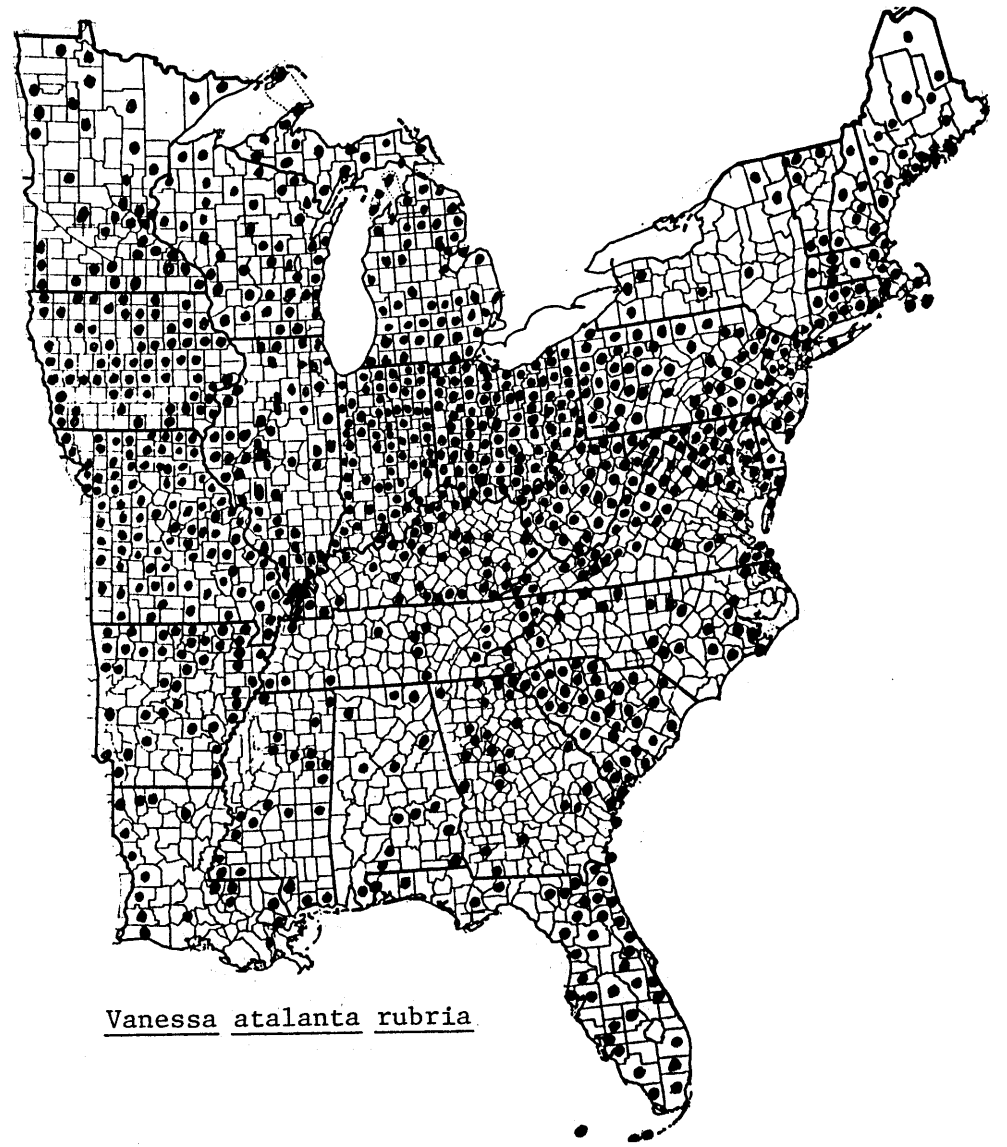
Atrytone logan



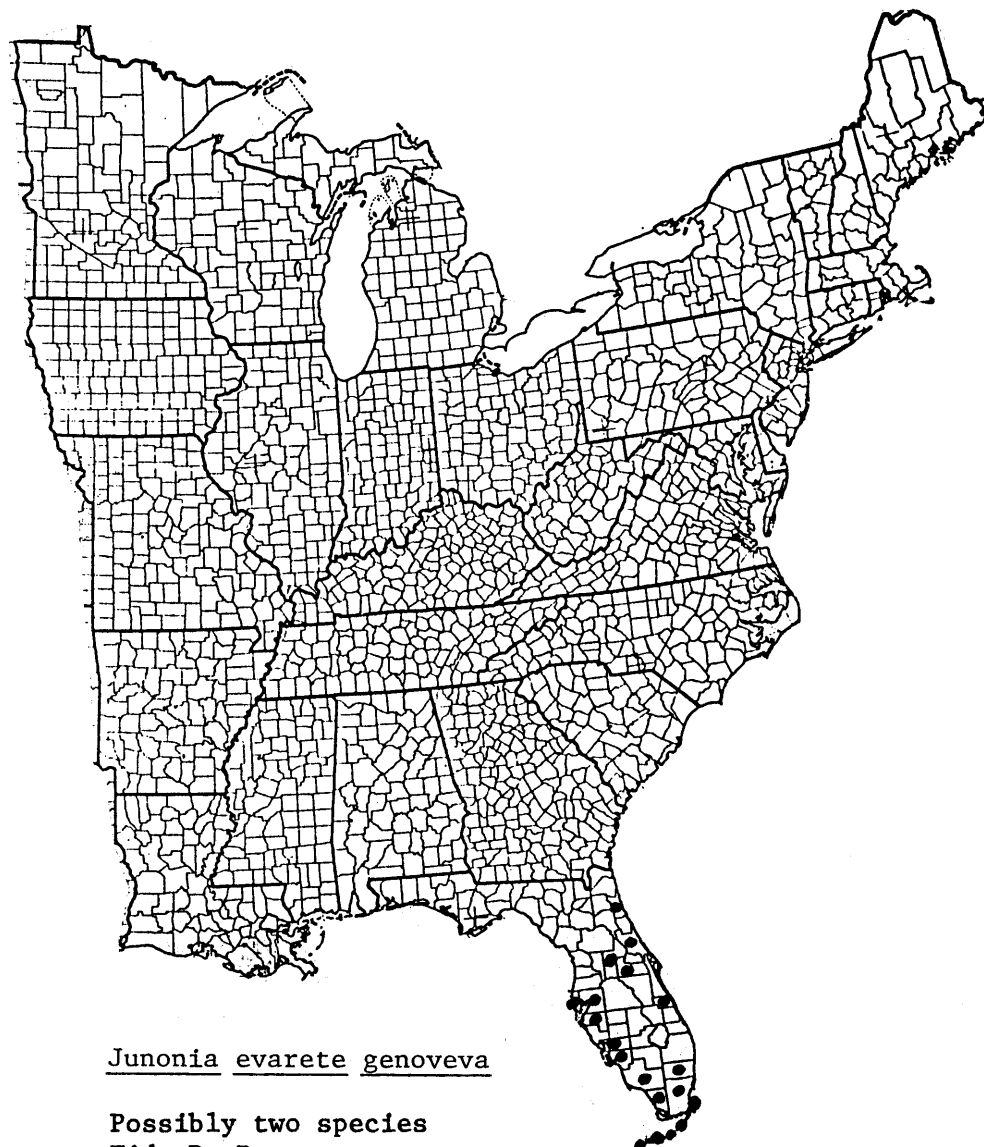
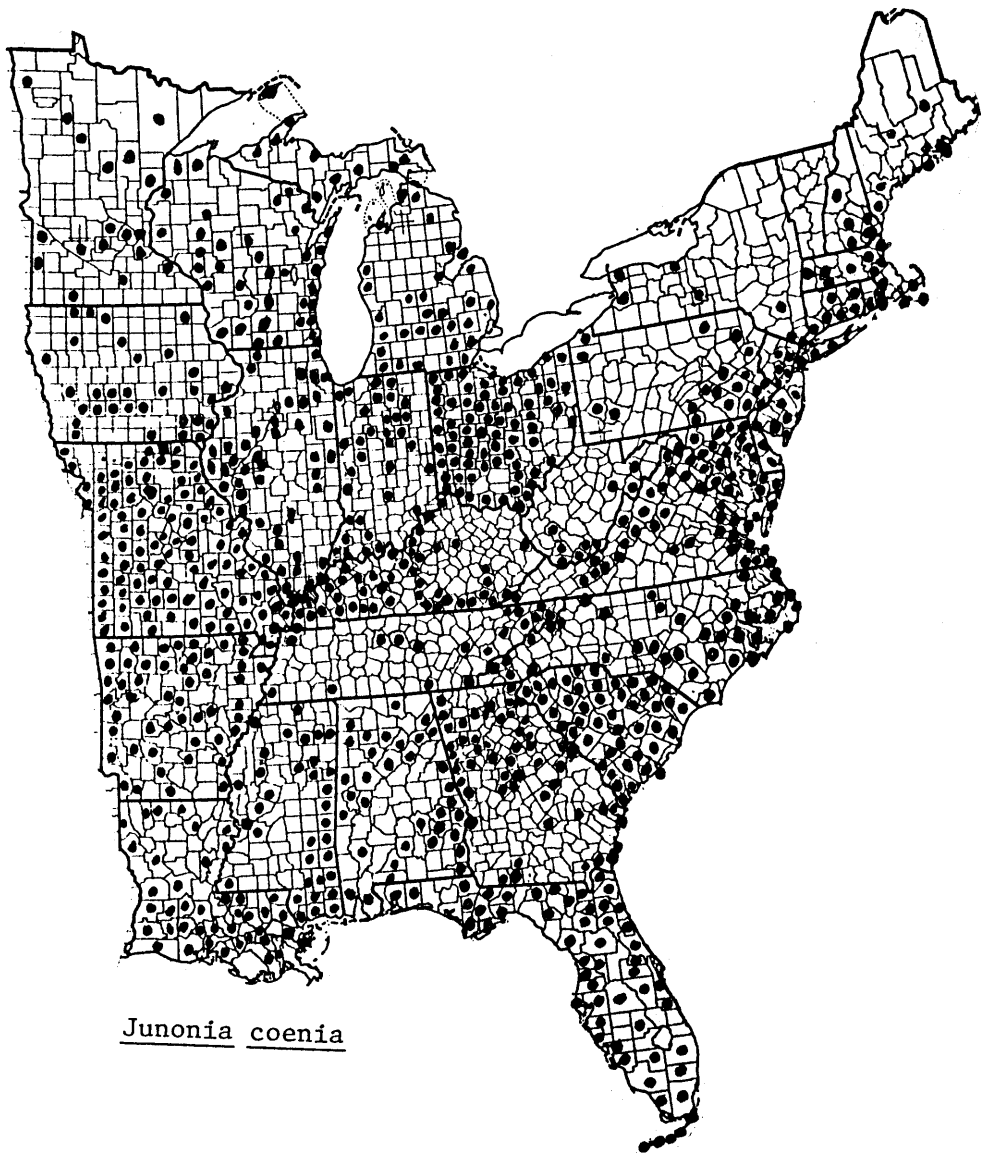
Vanessa virginiensis

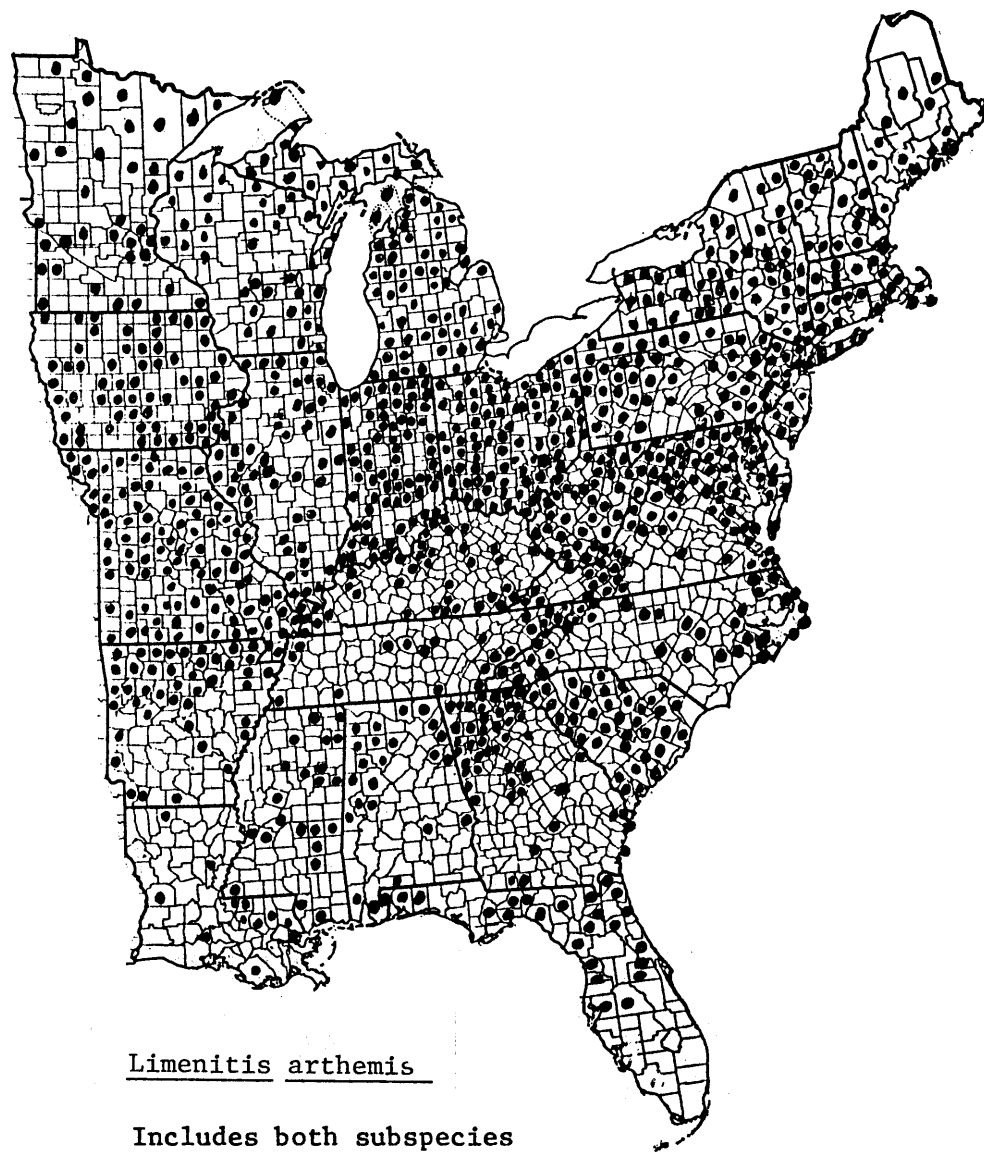
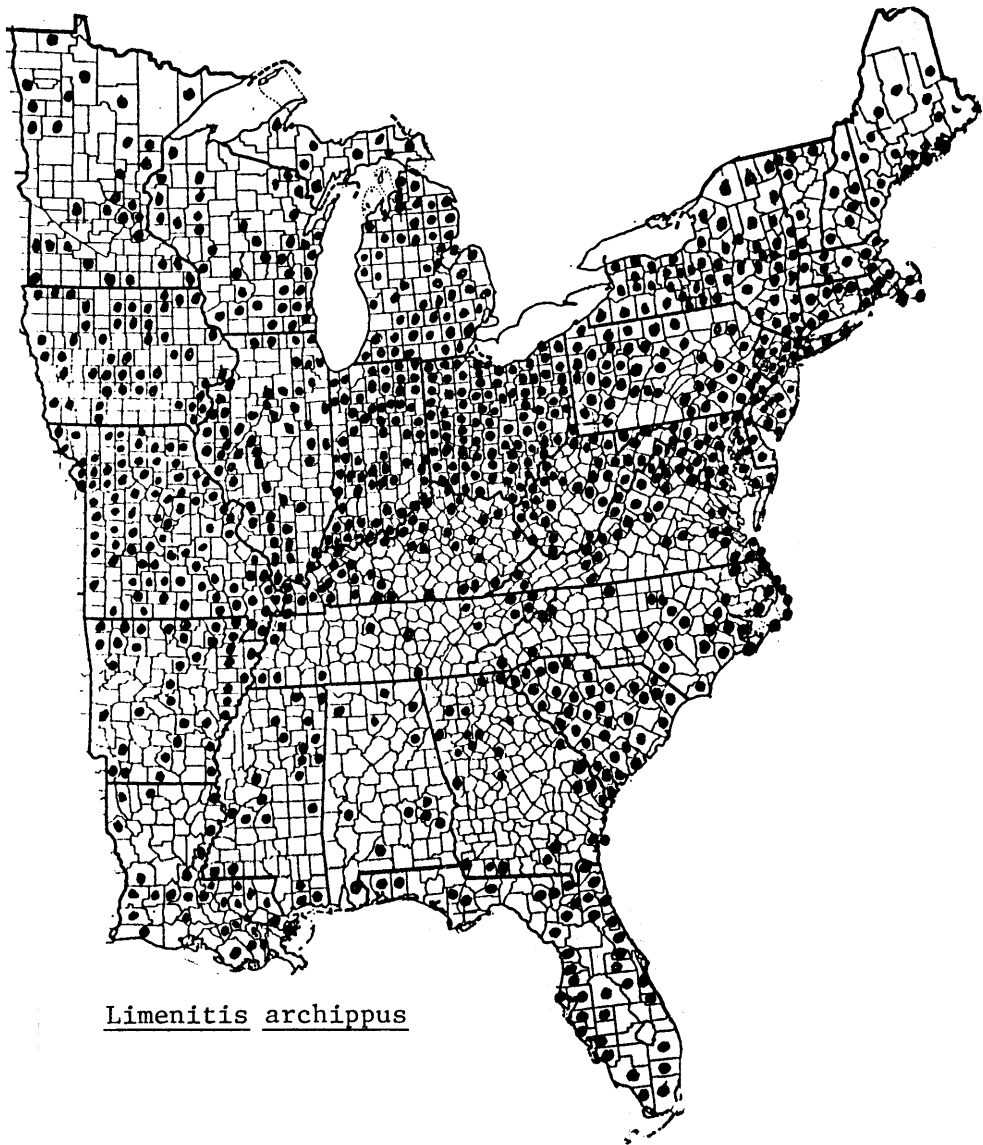


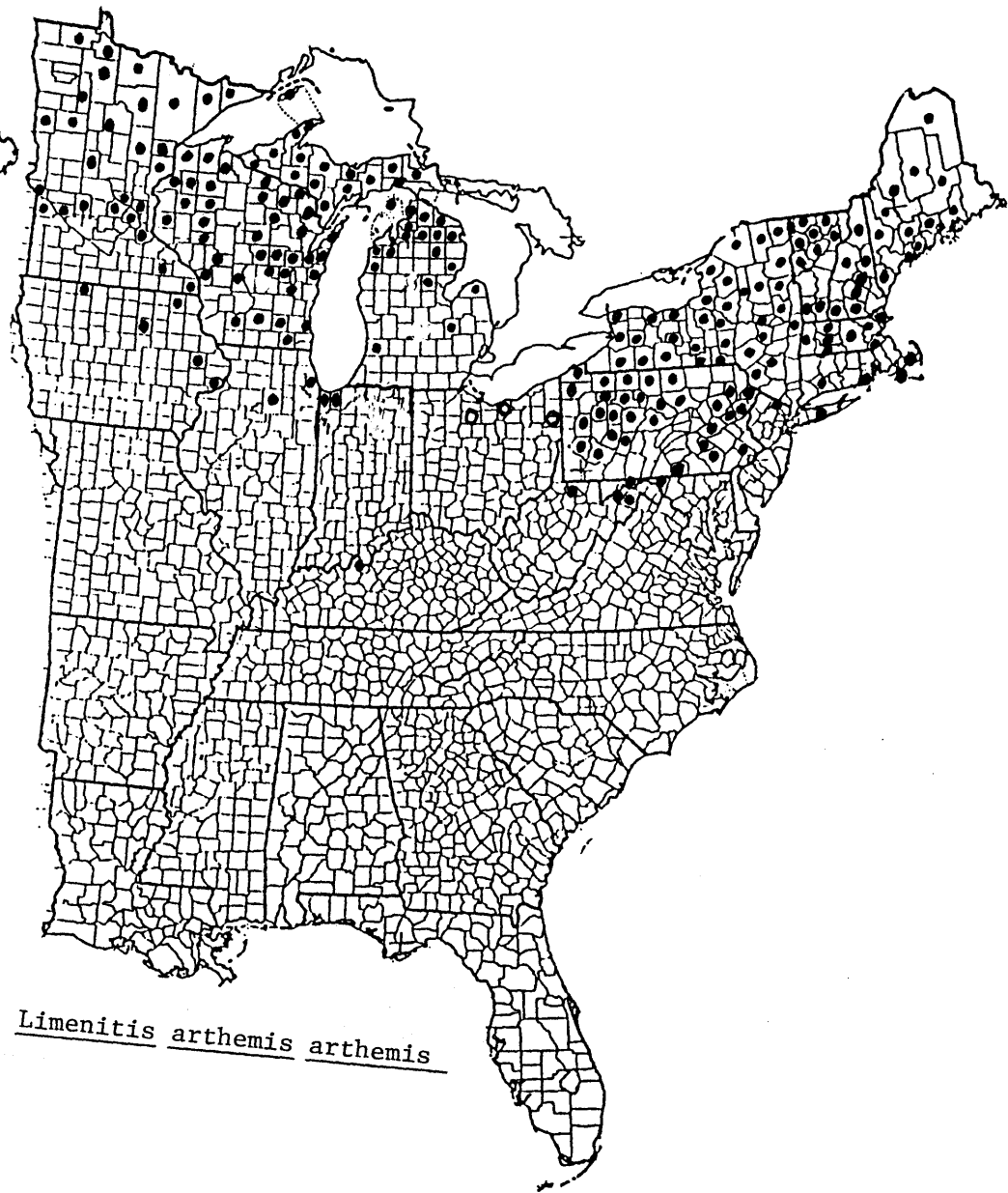
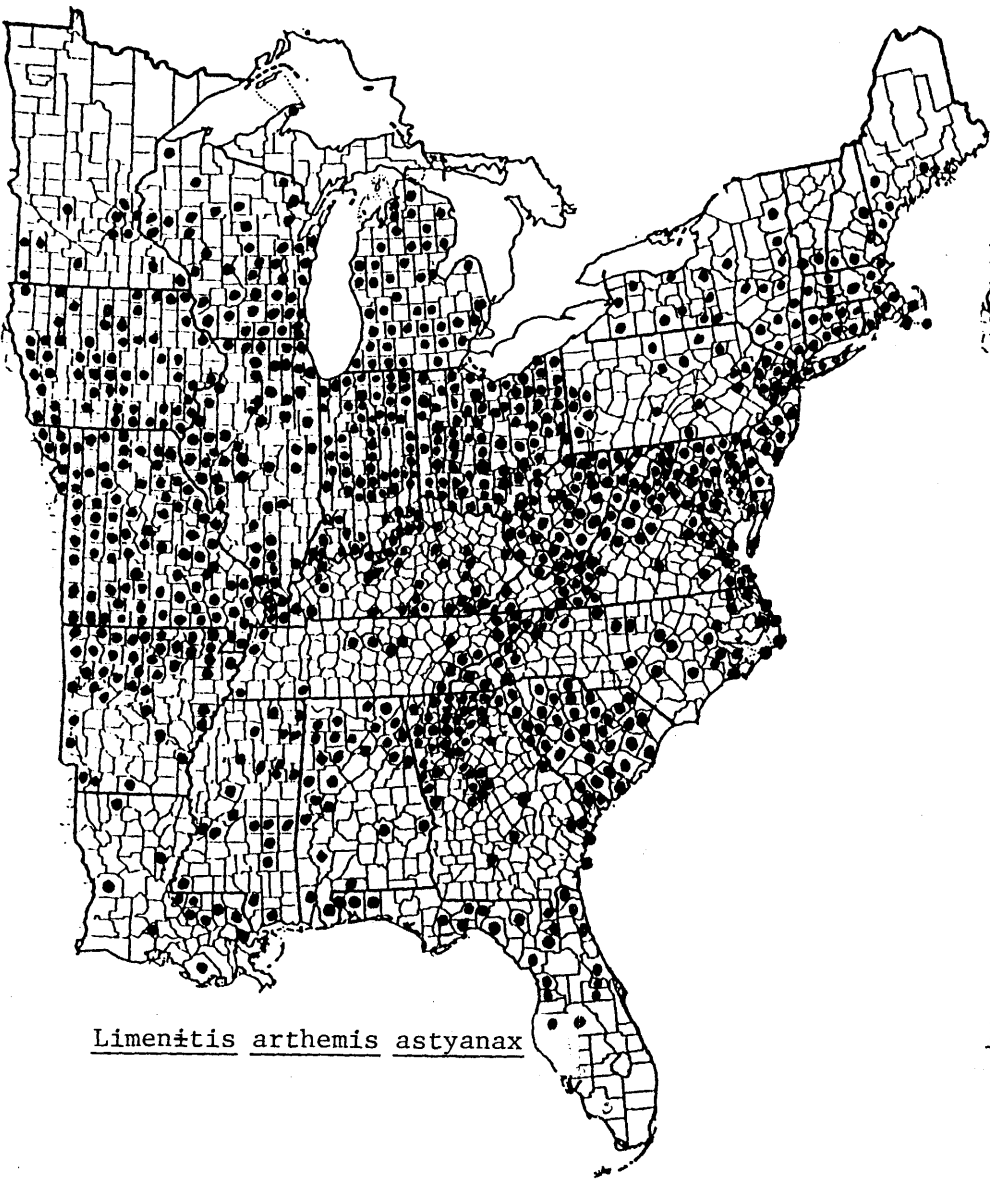
Vanessa cardui

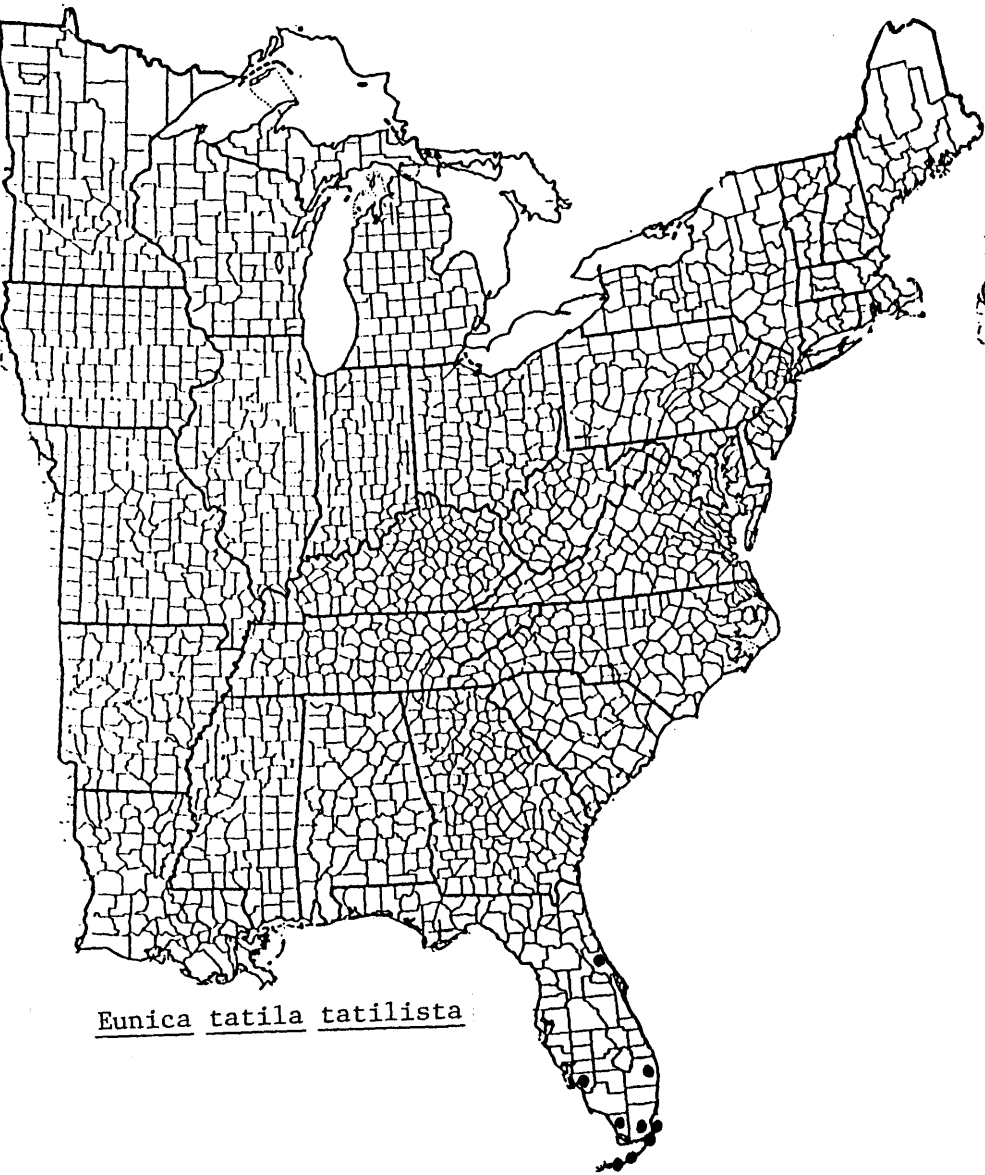


Vanessa atalanta rubria

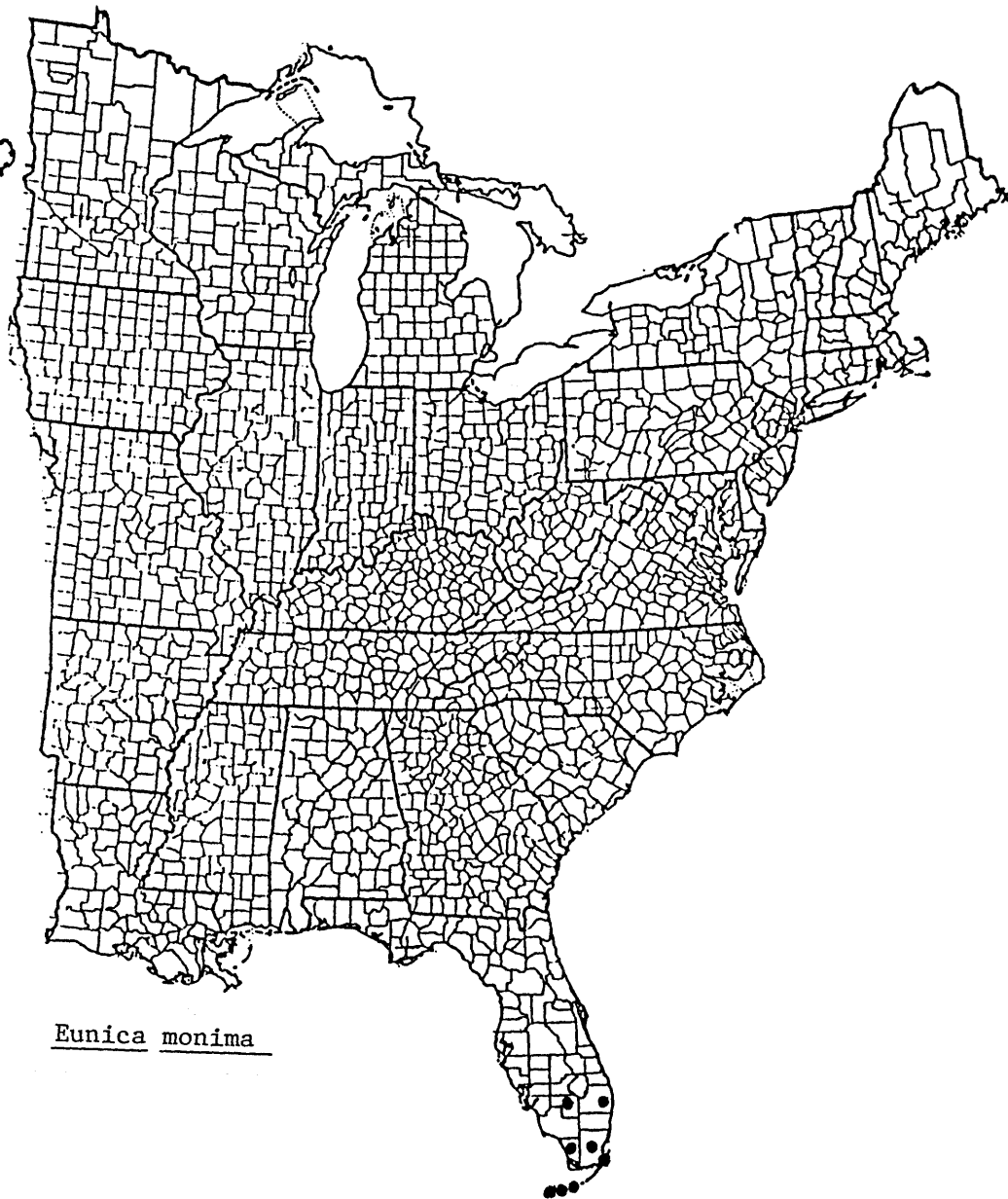




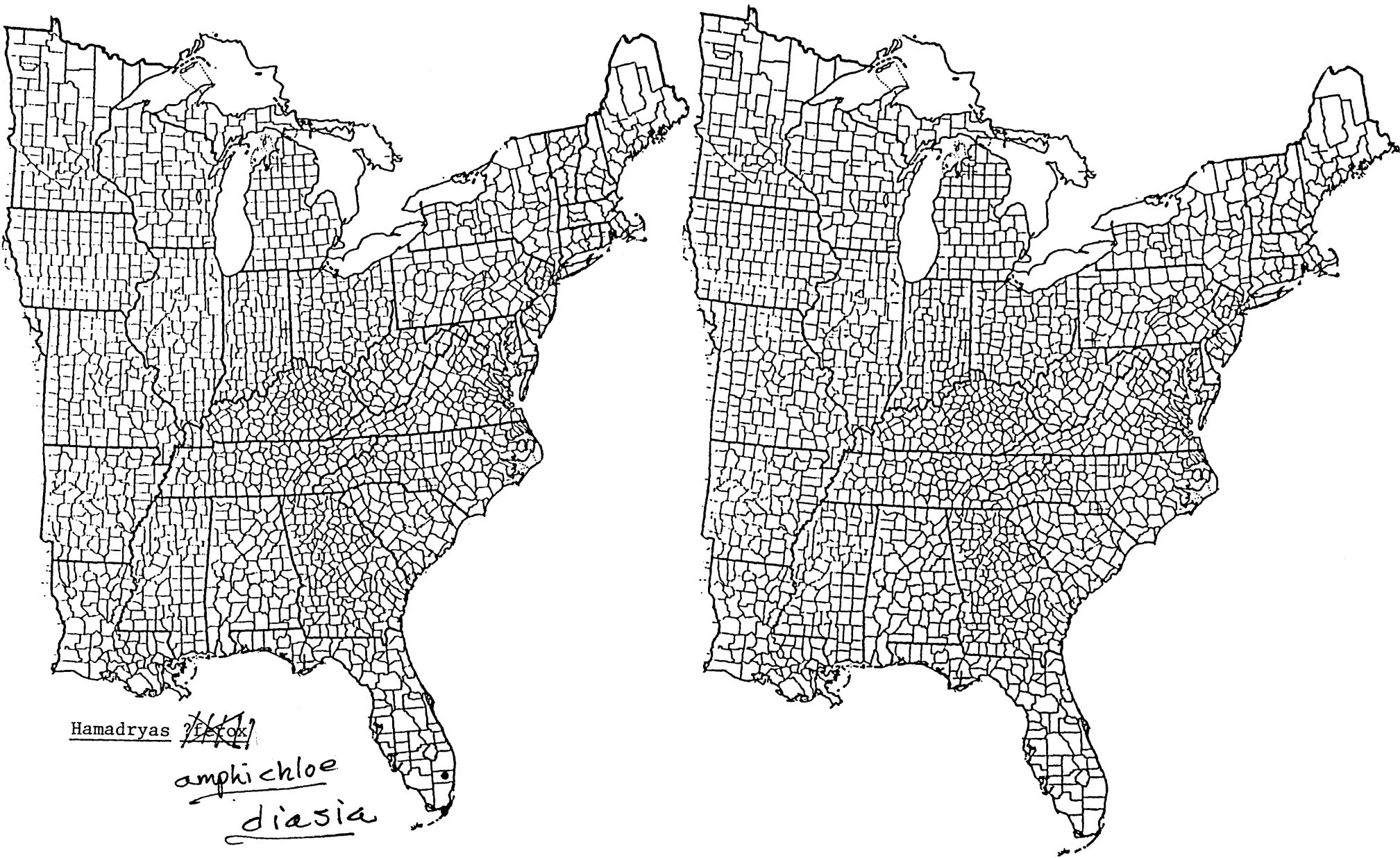




Eunica tatila tatilista



Eunica monima



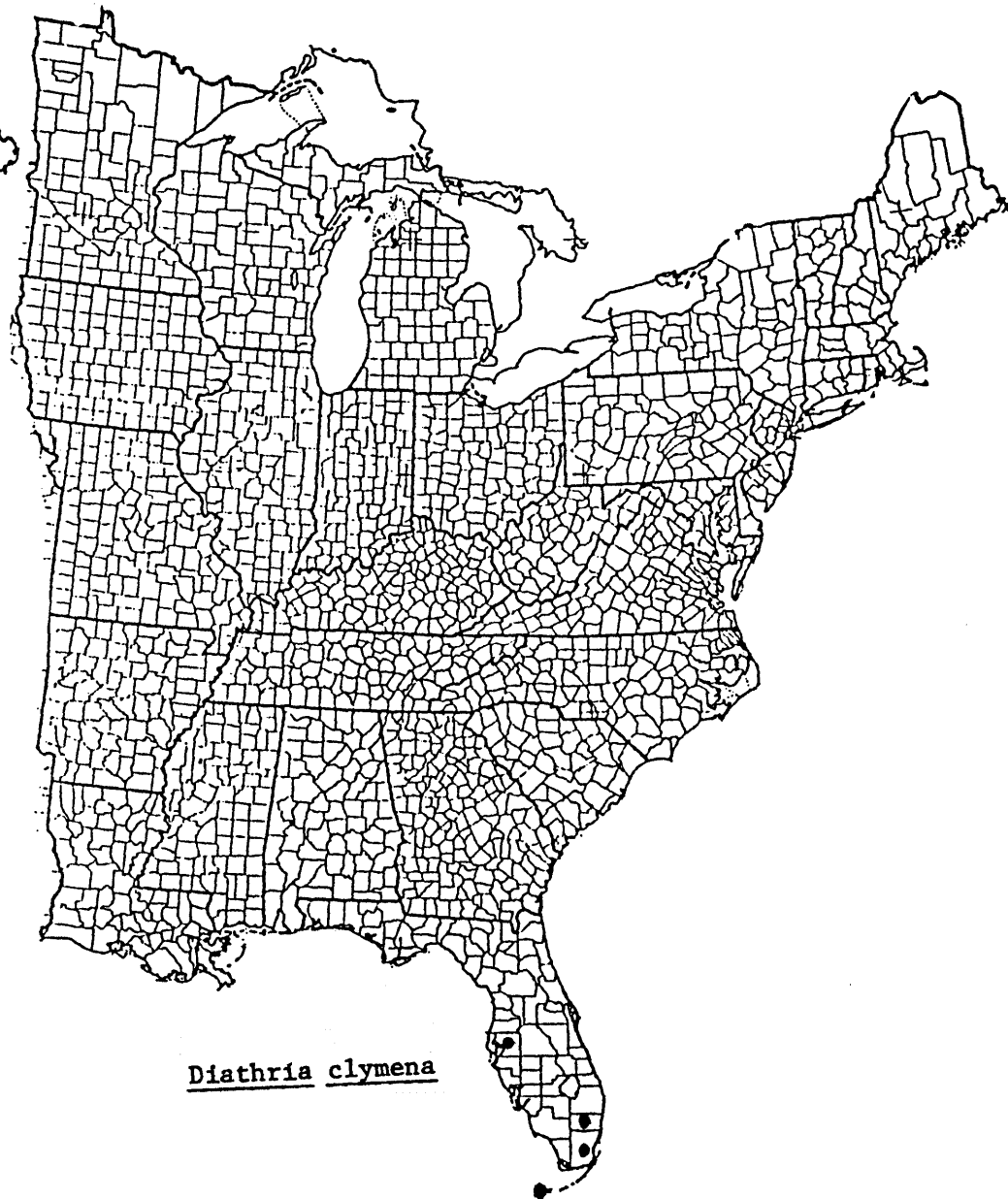
Hamadryas ~~Texox~~

amphichloe

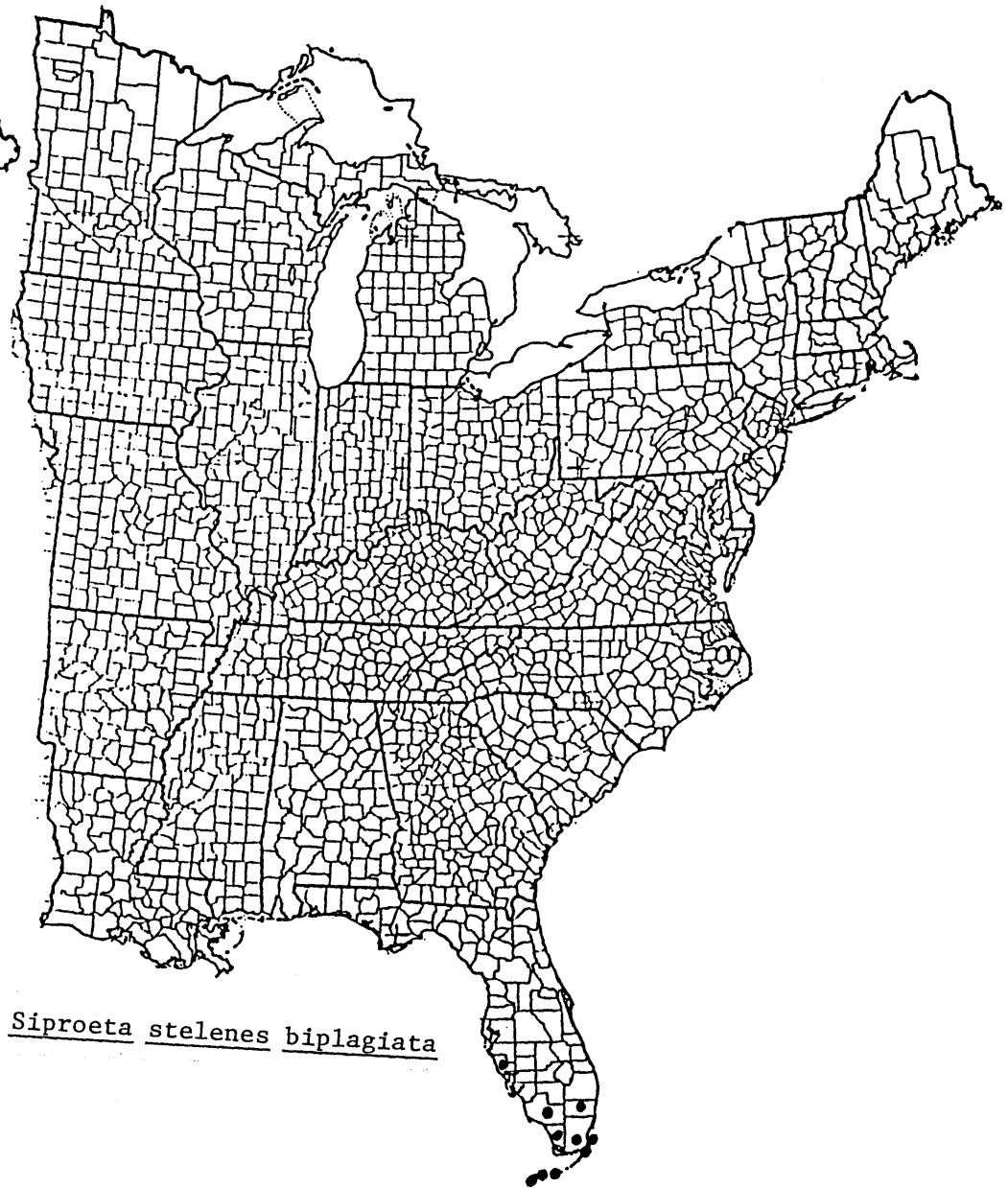
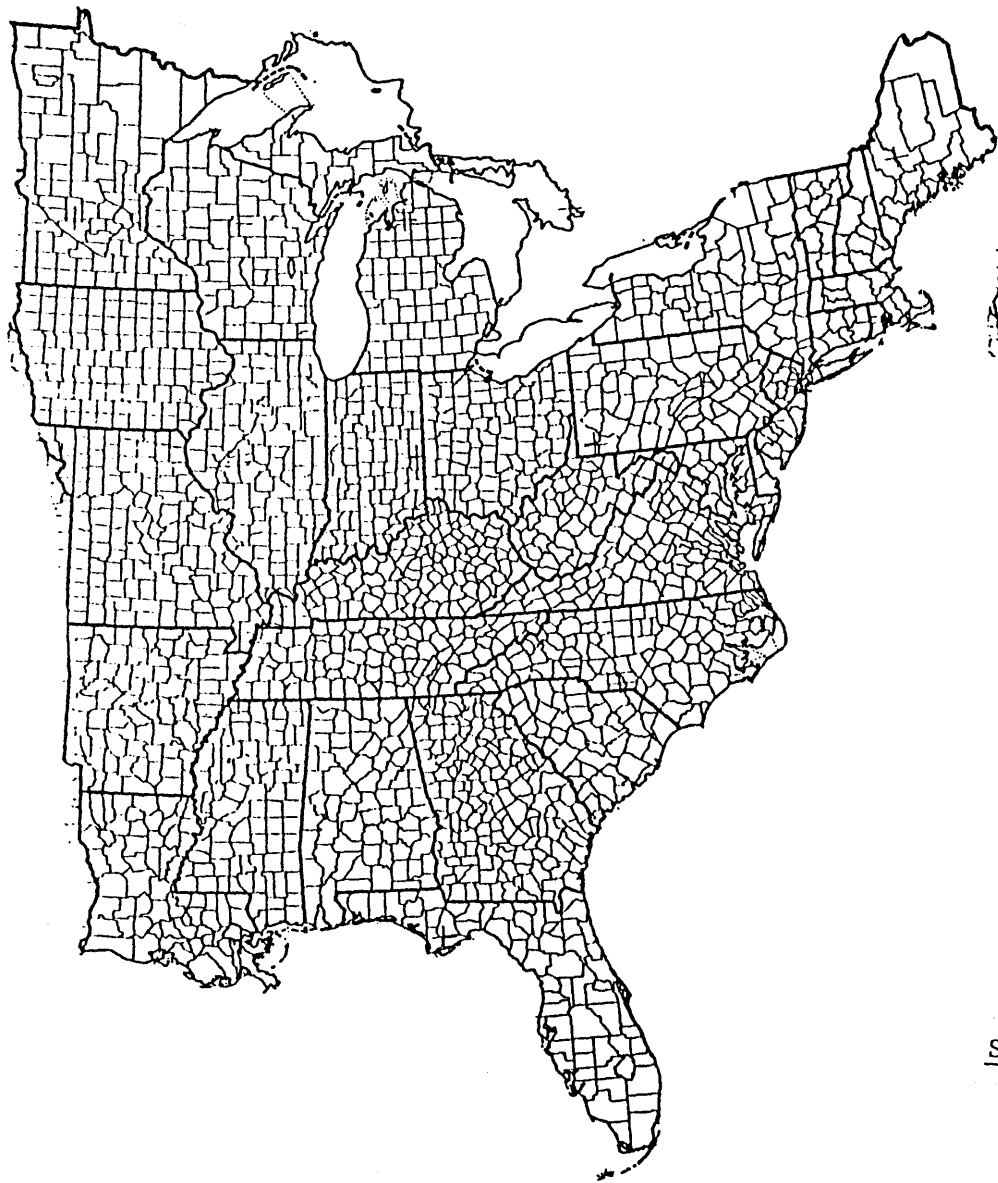
diasia



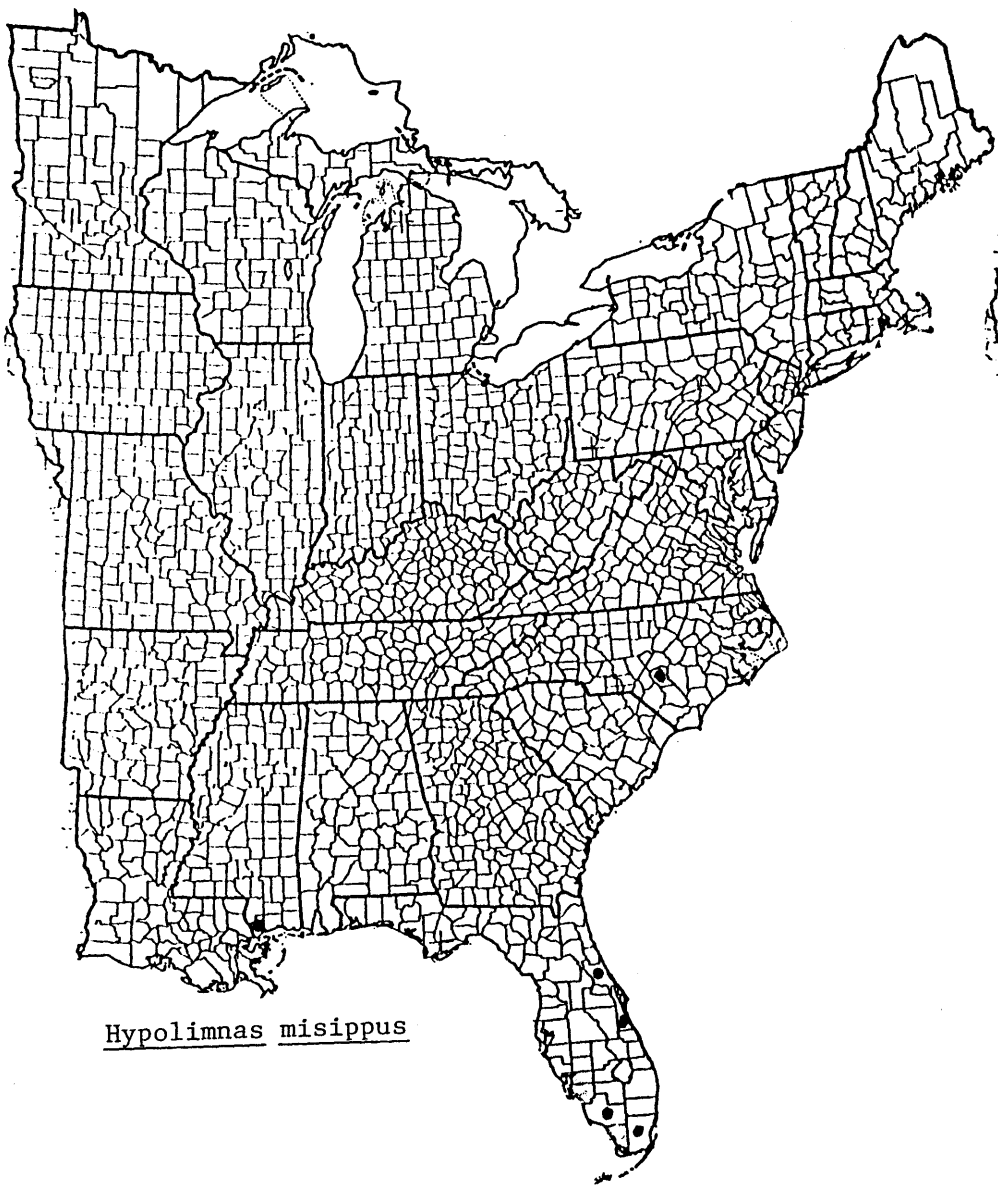
Historis odius
?? Doubtful



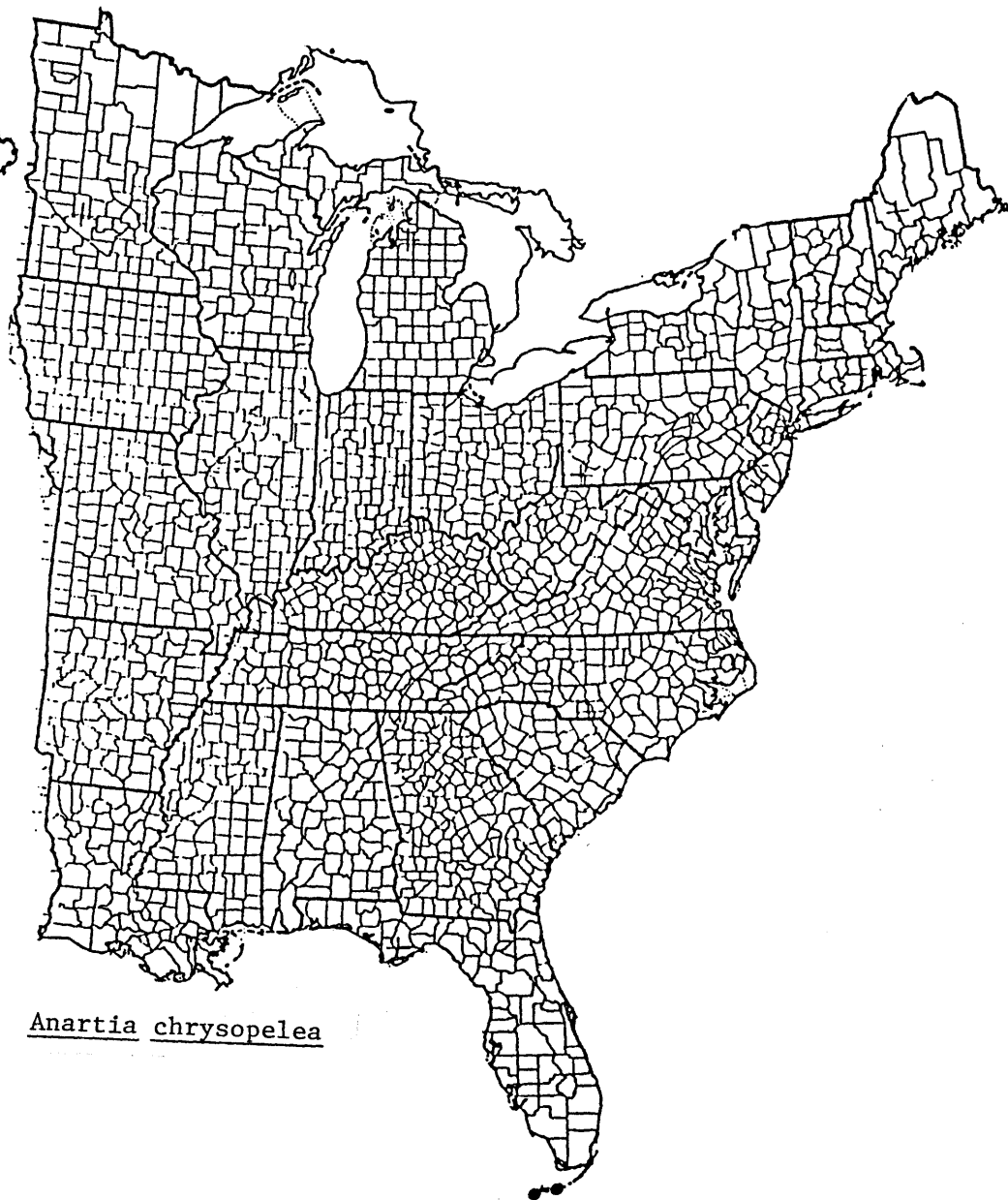
Diathria clymena



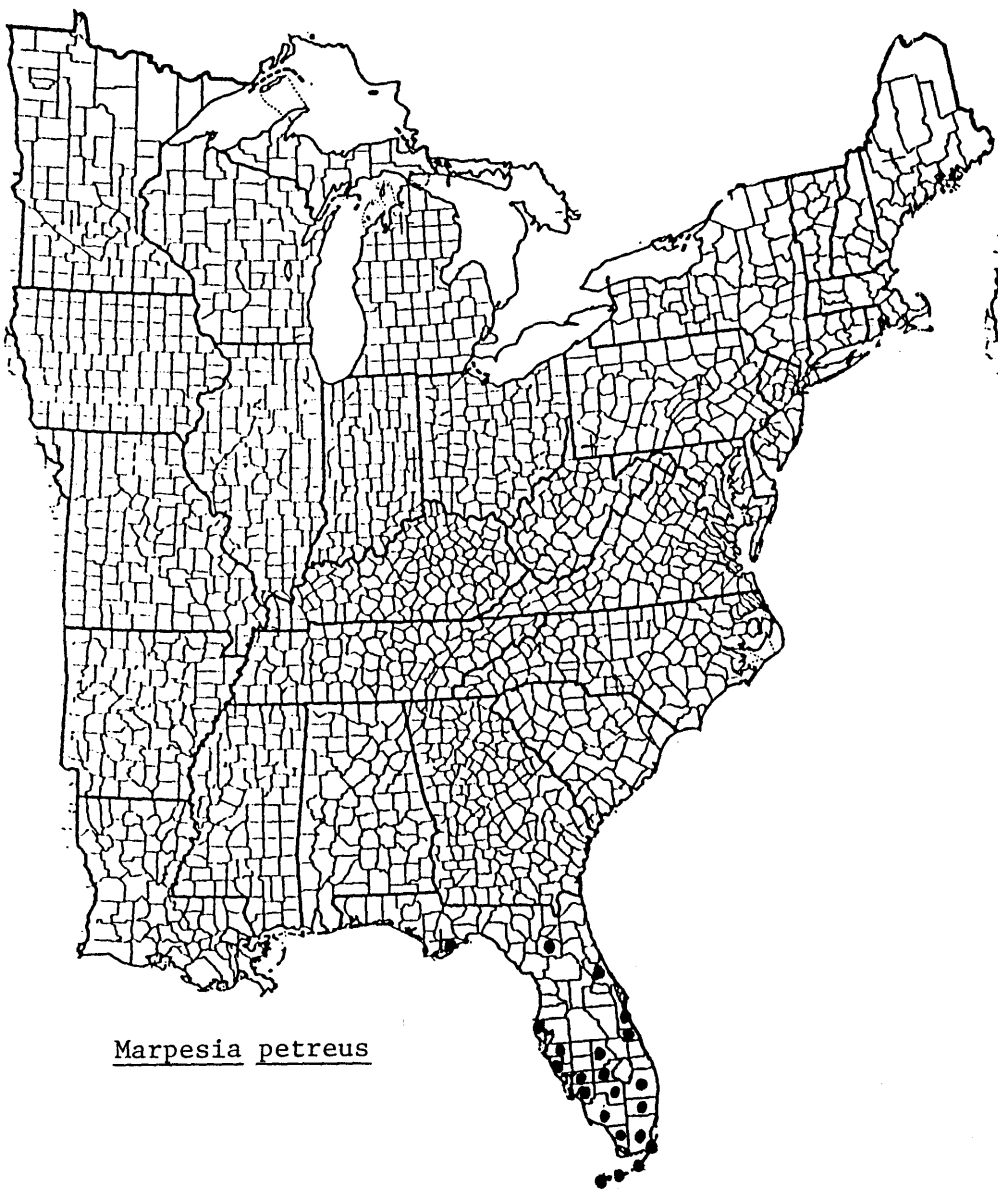
Siproeta stelenes biplagiata



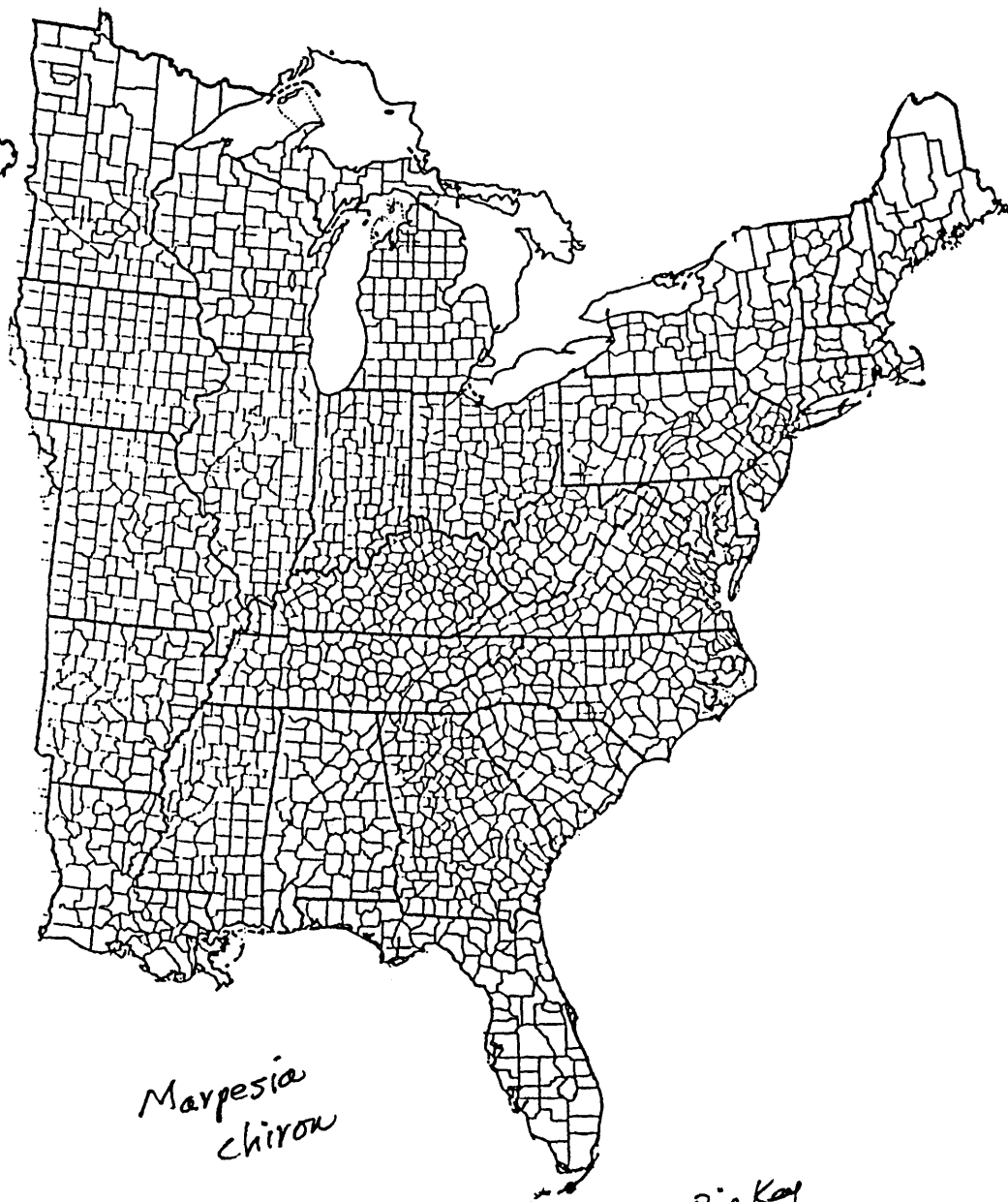
Hypolimnas misippus



Anartia chrysopelea

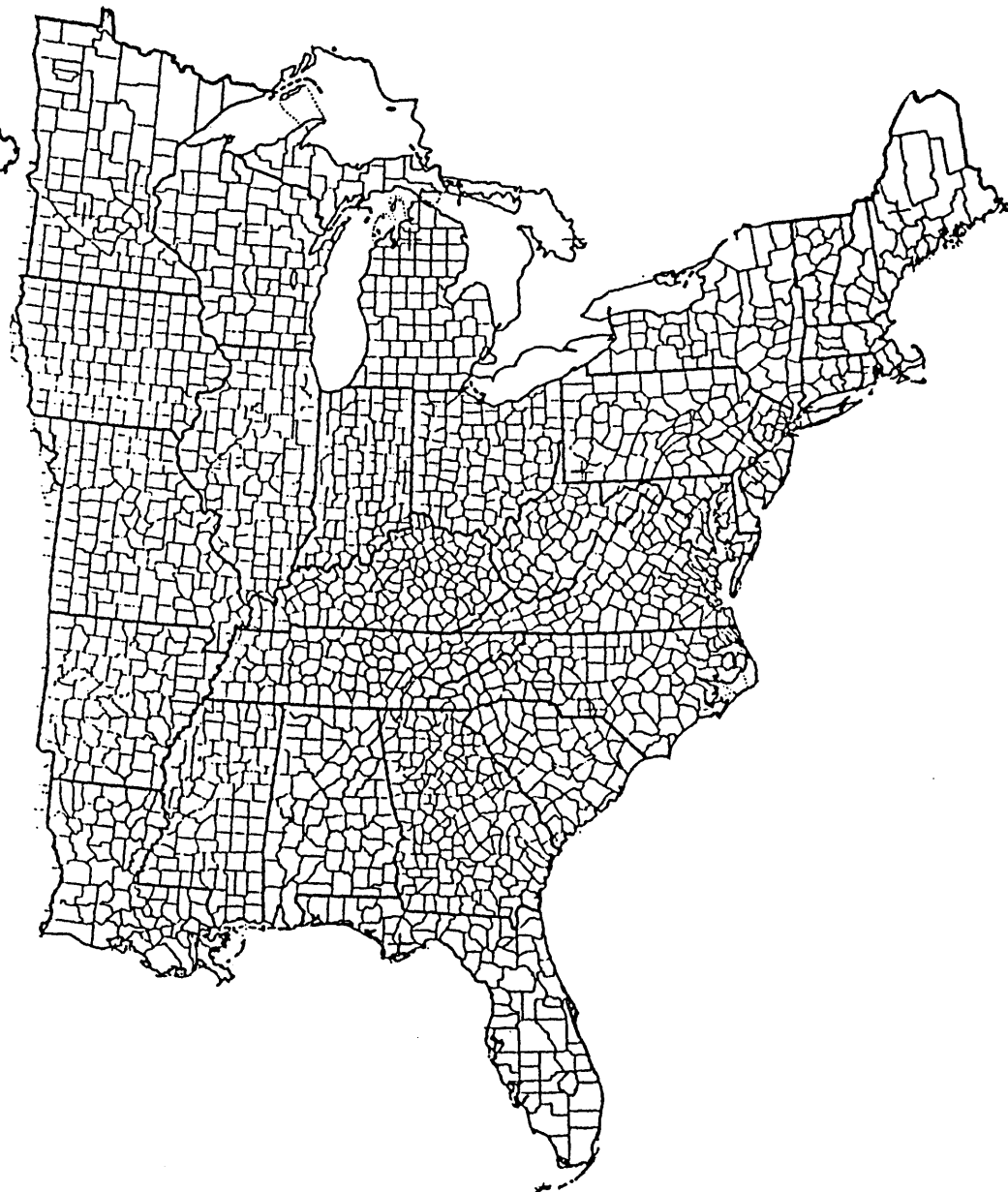
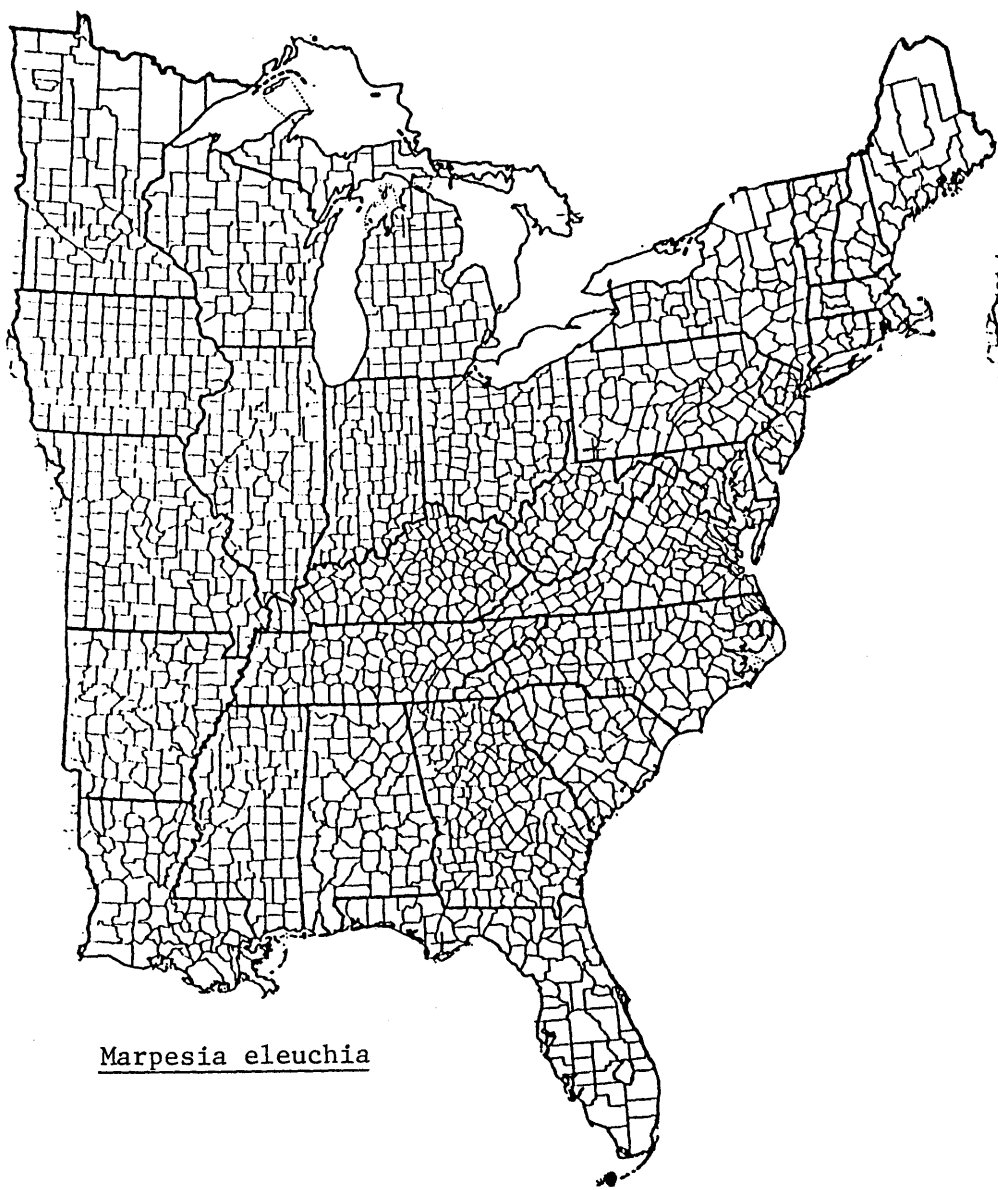


Marpesia petreus

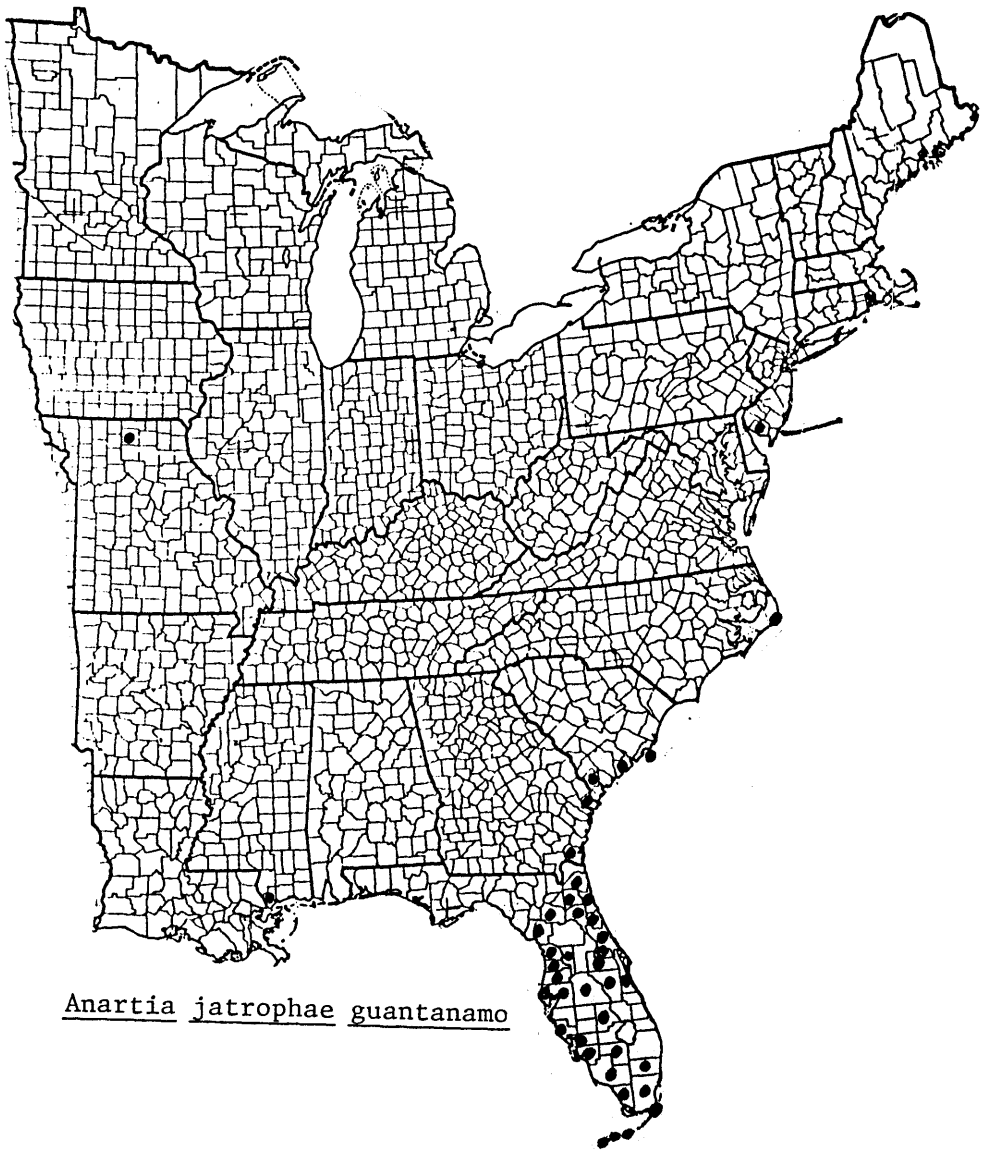


*Marpesia
chiron*

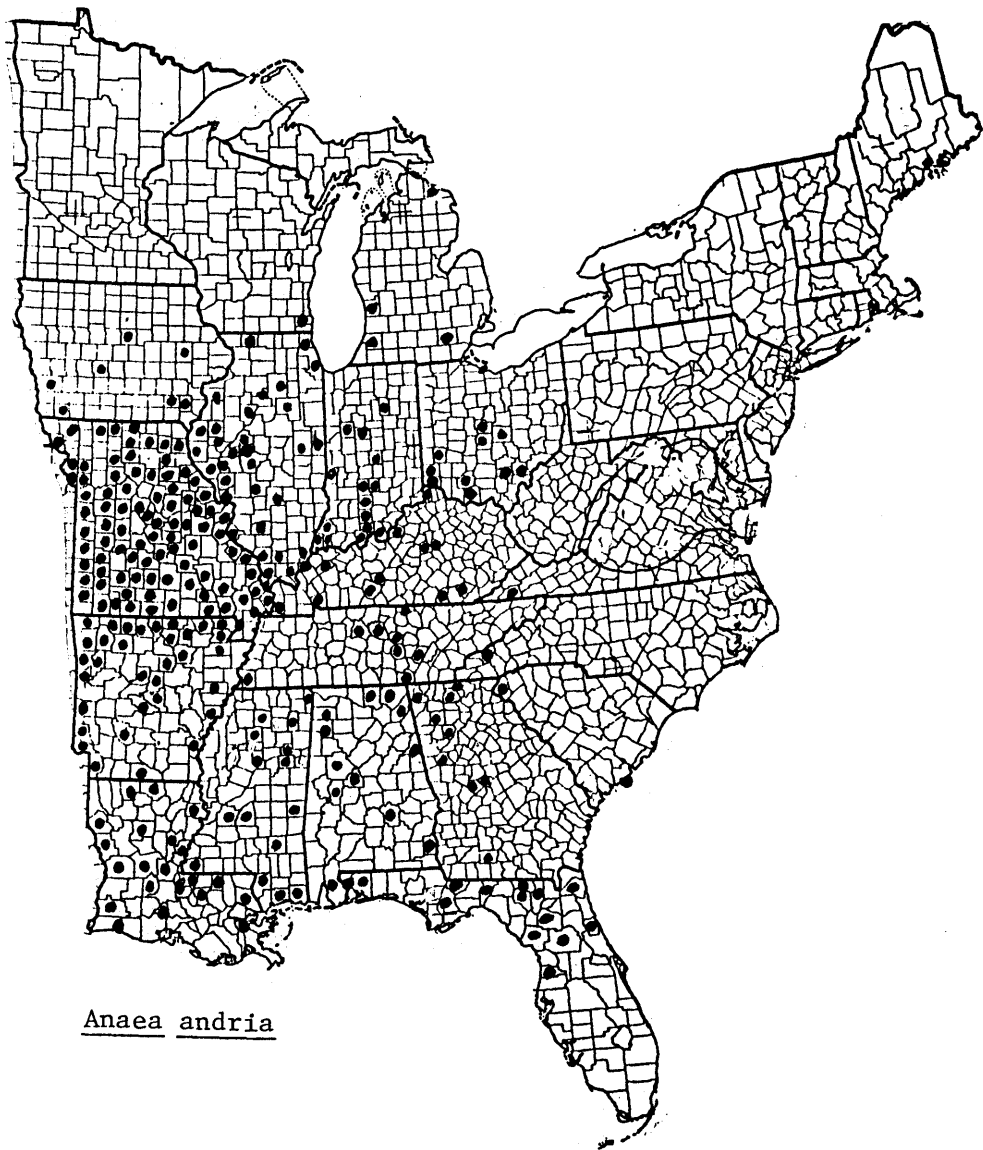
Big Pine Key



Marpesia eleuchia

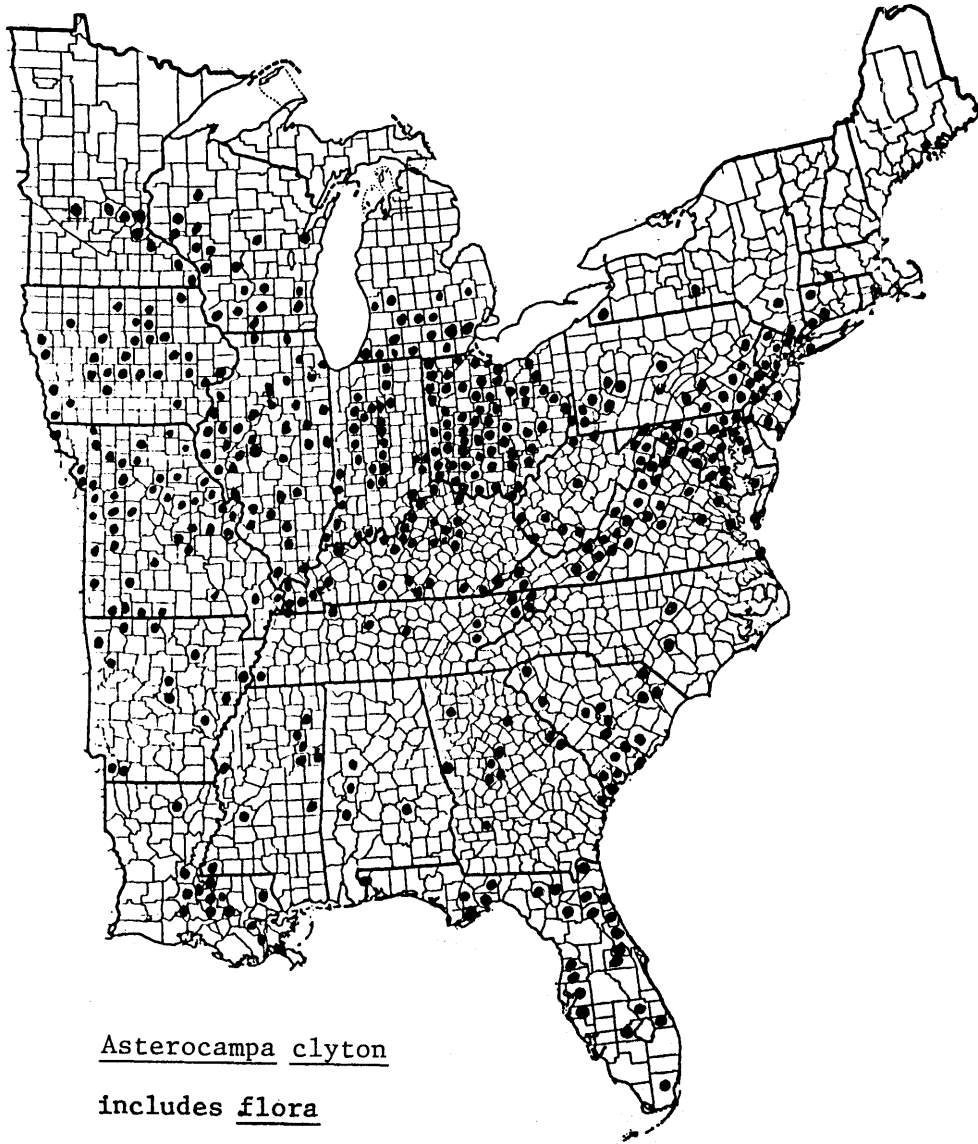


Anartia jatrophae guantanamo



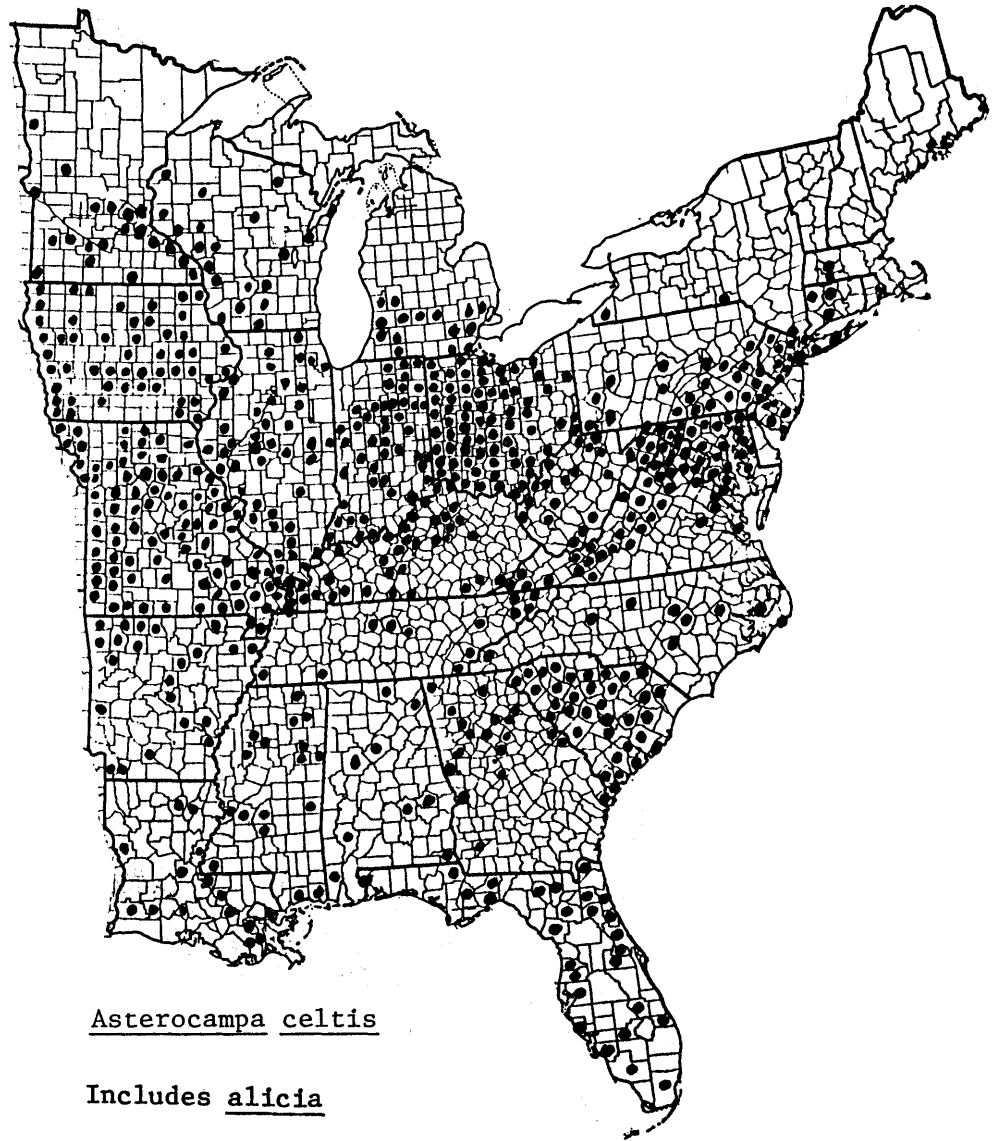
Anaea andria





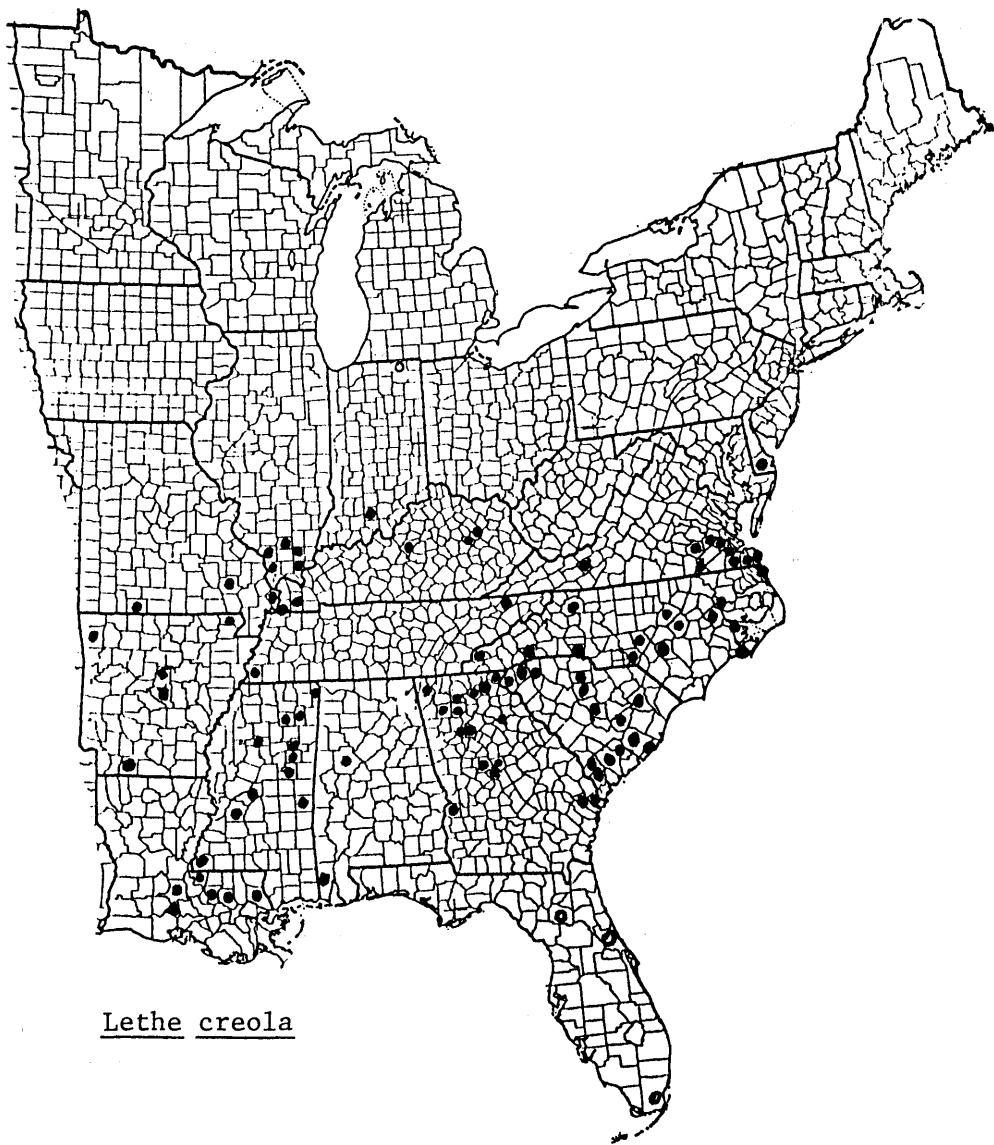
Asterocampa clyton

includes flora

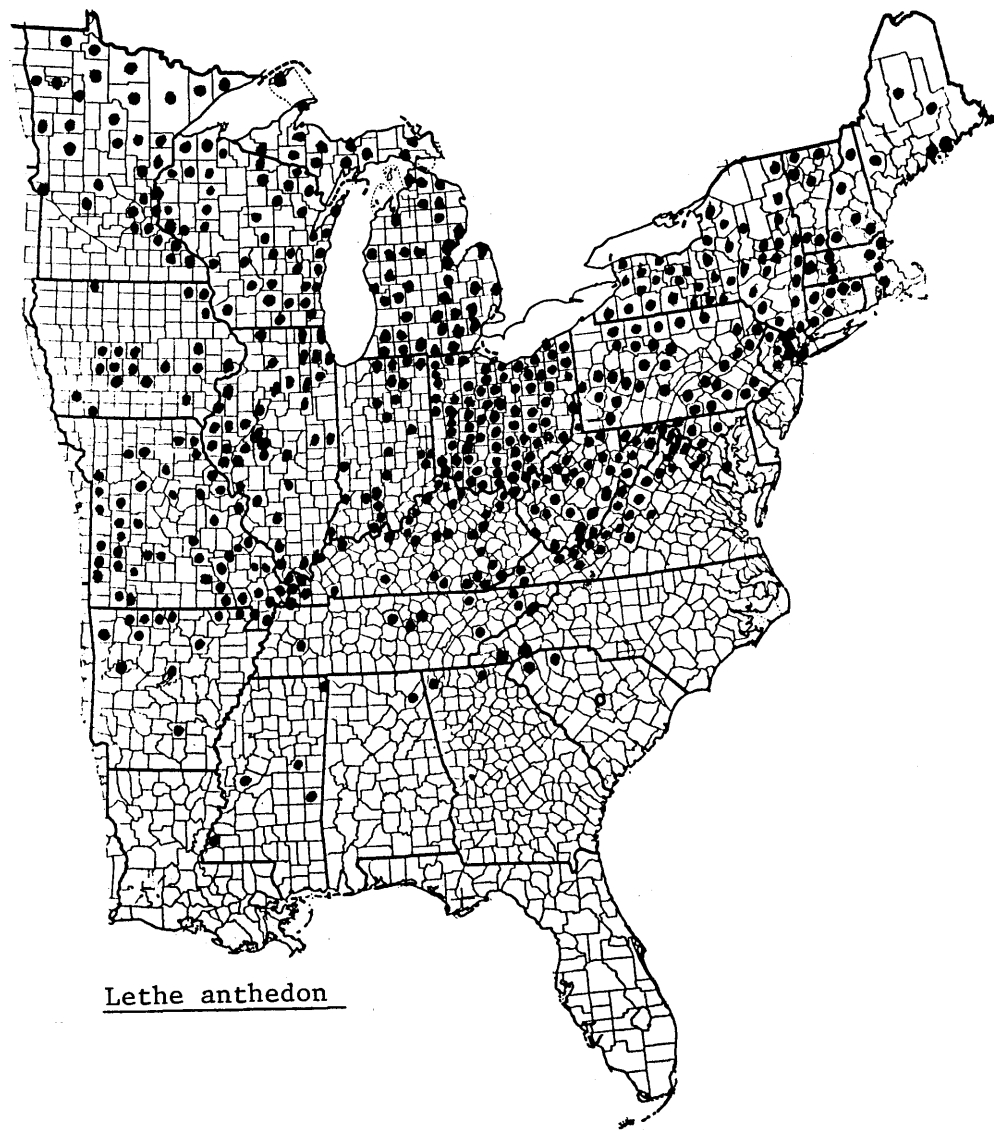


Asterocampa celtis

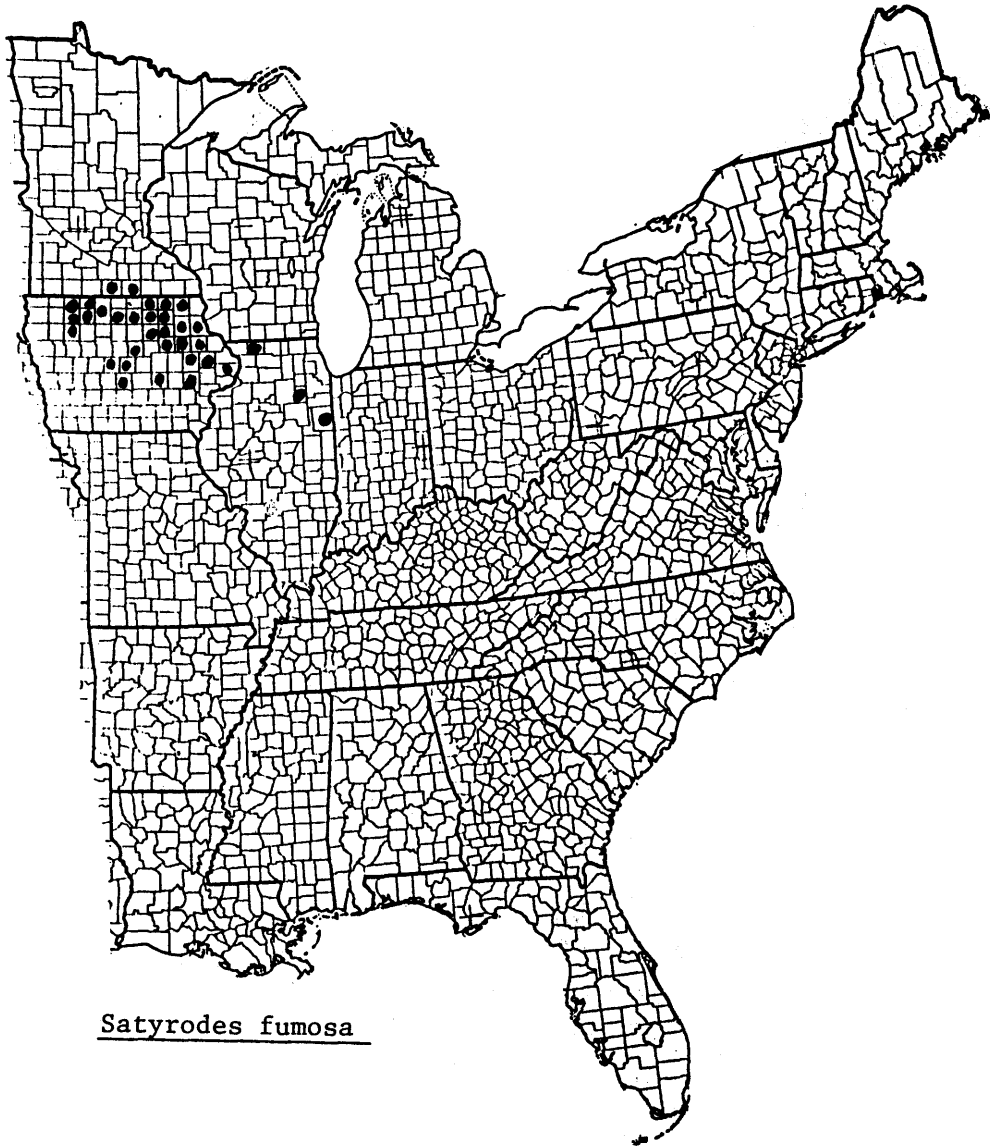
Includes alicia



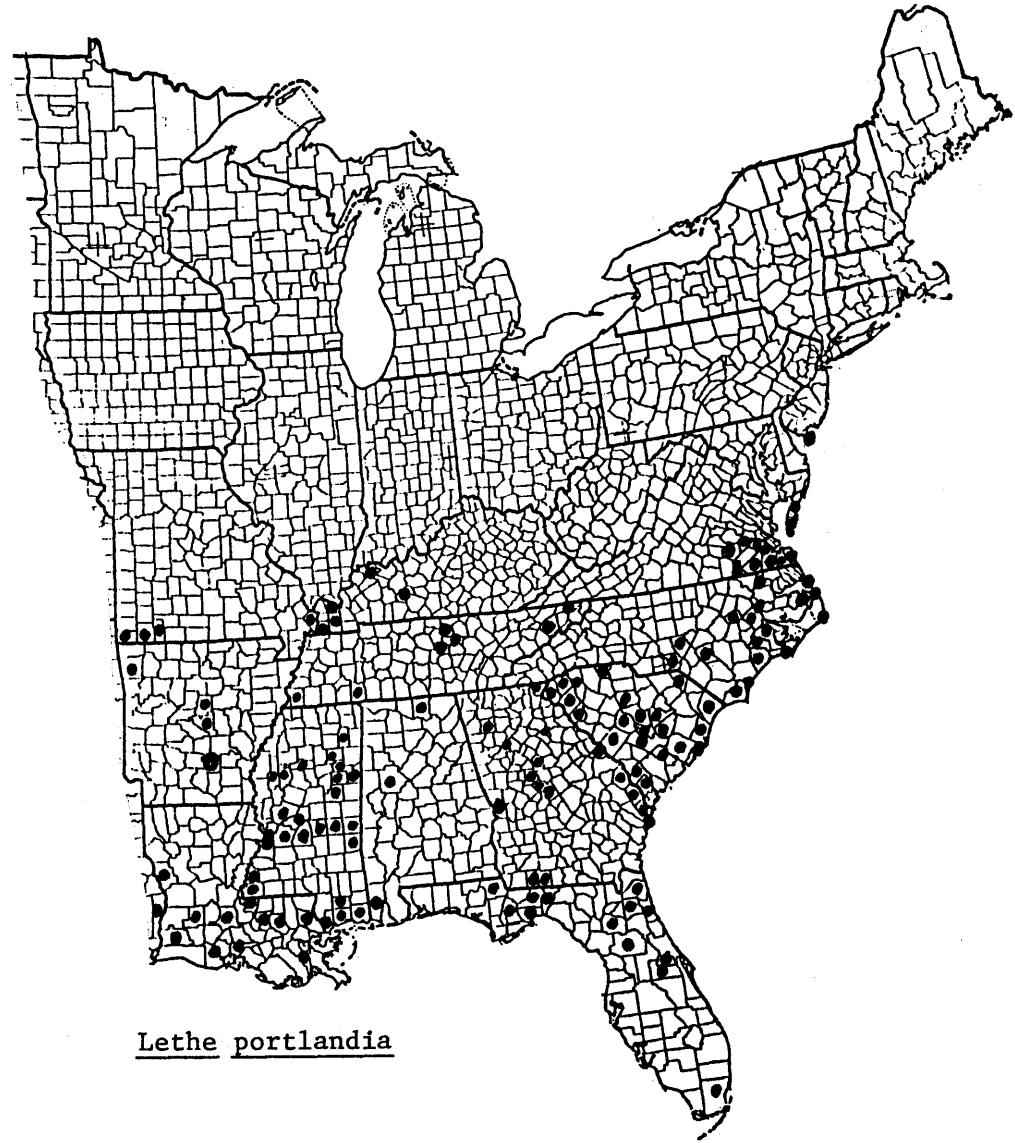
Lethe creola



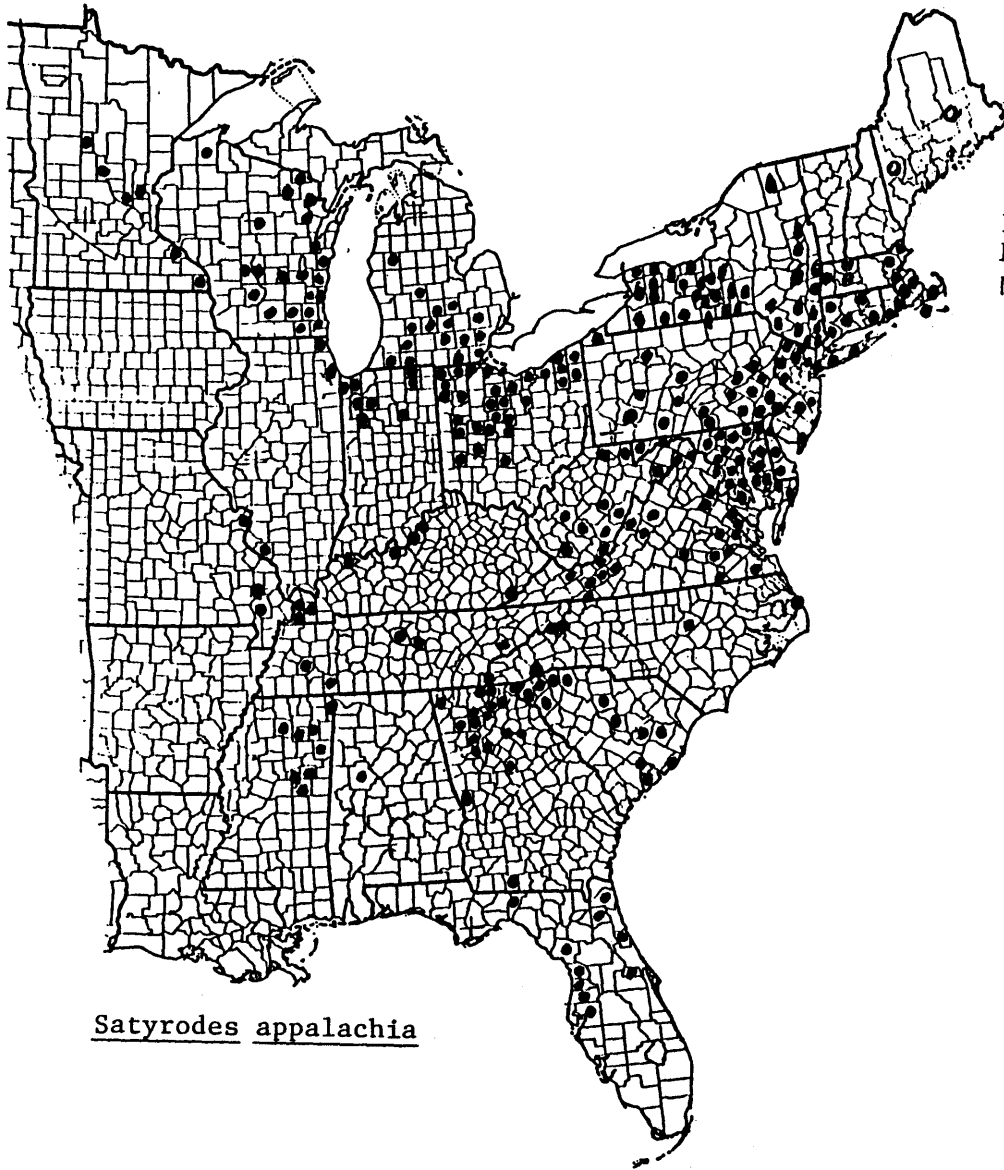
Lethe anthedon



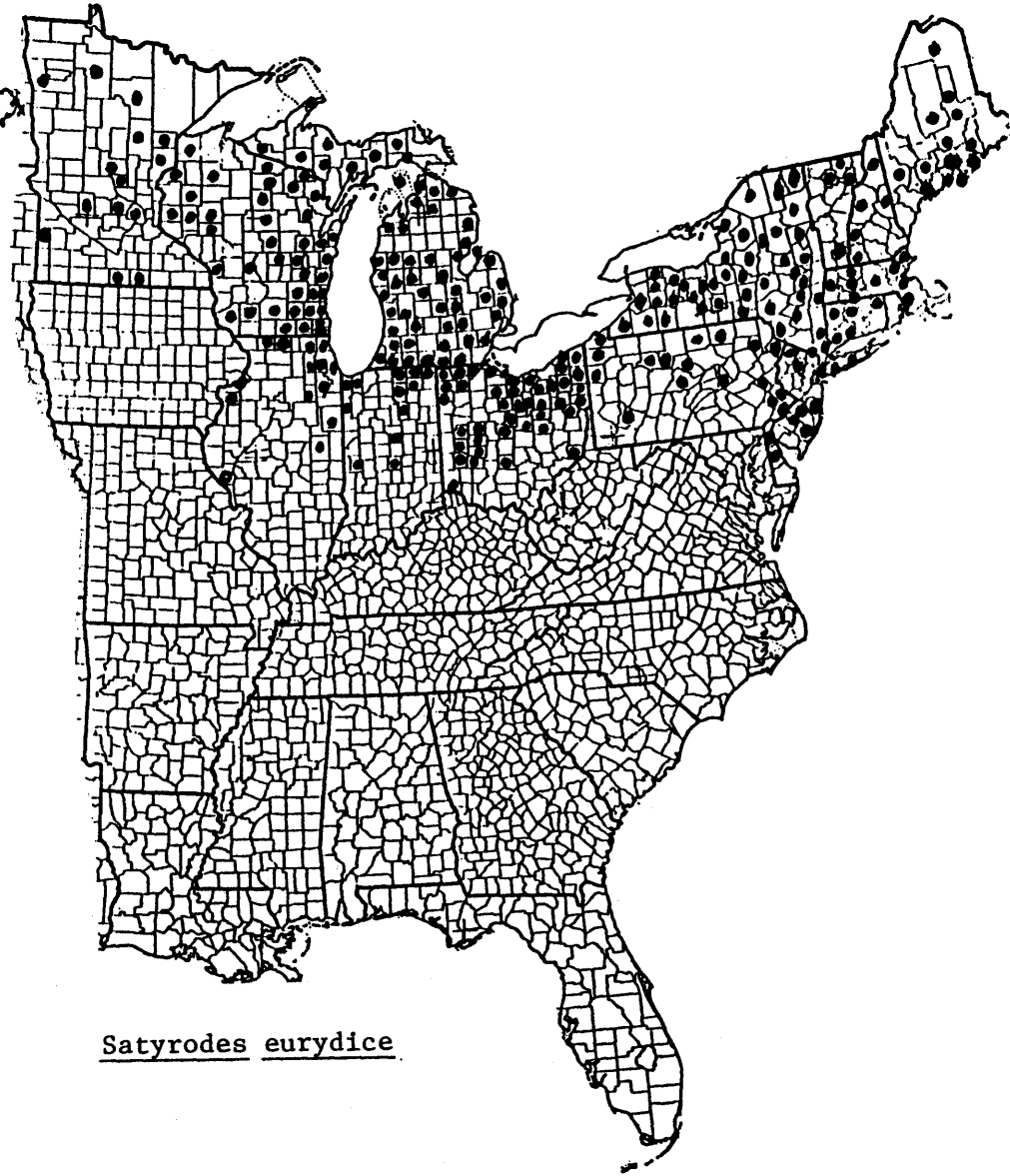
Satyroides fumosa



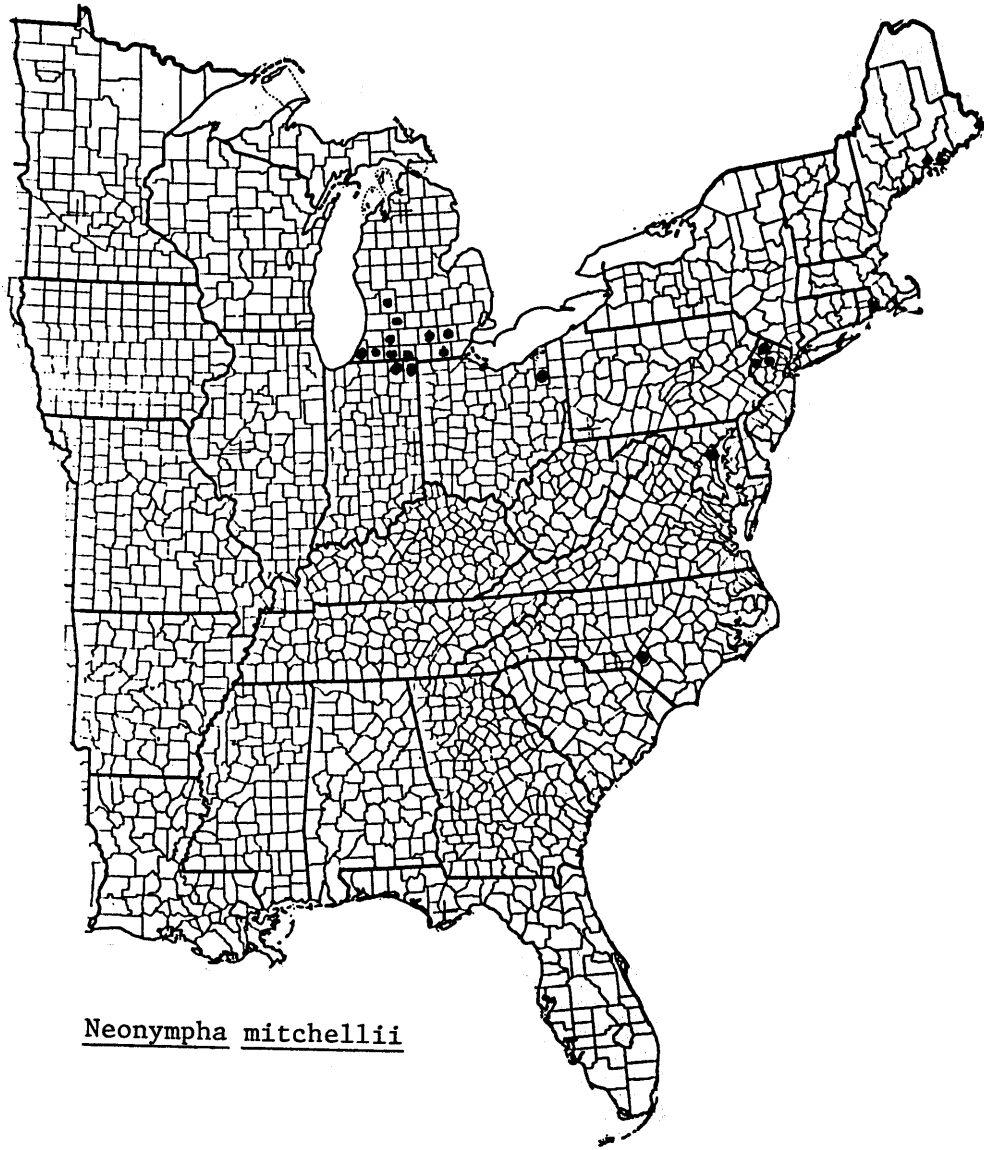
Lethe portlandia



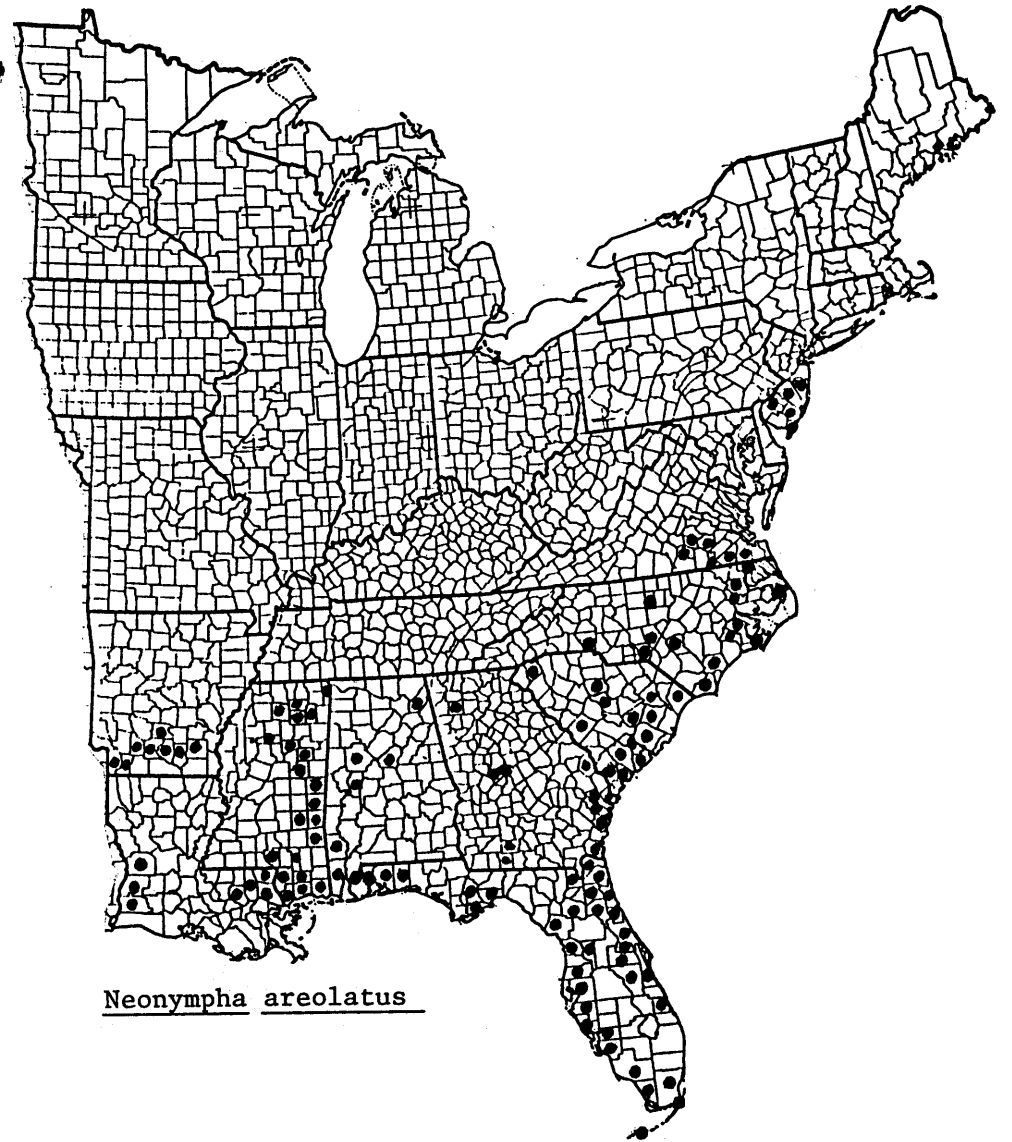
Satyrodes appalachia



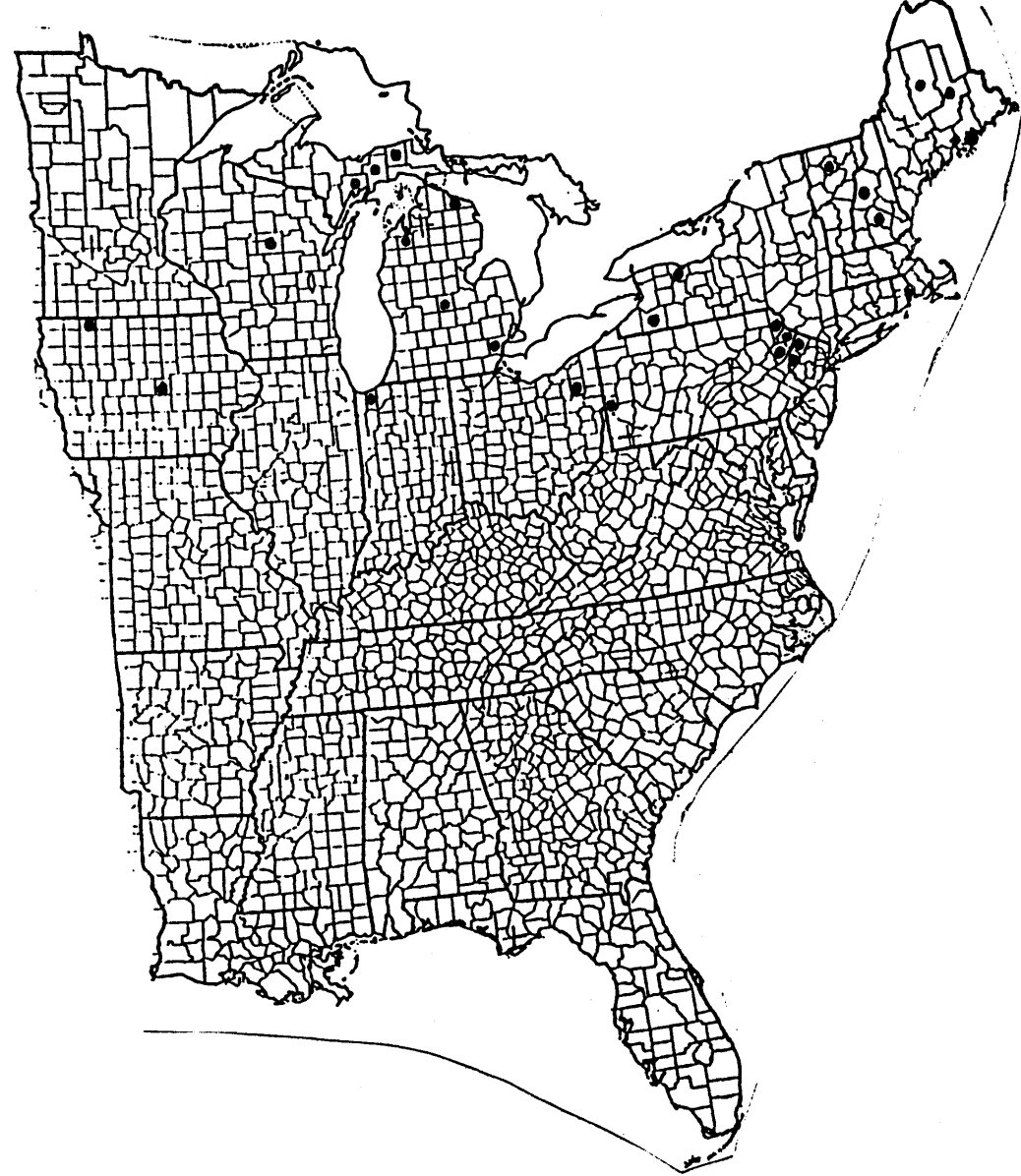
Satyrodes eurydice



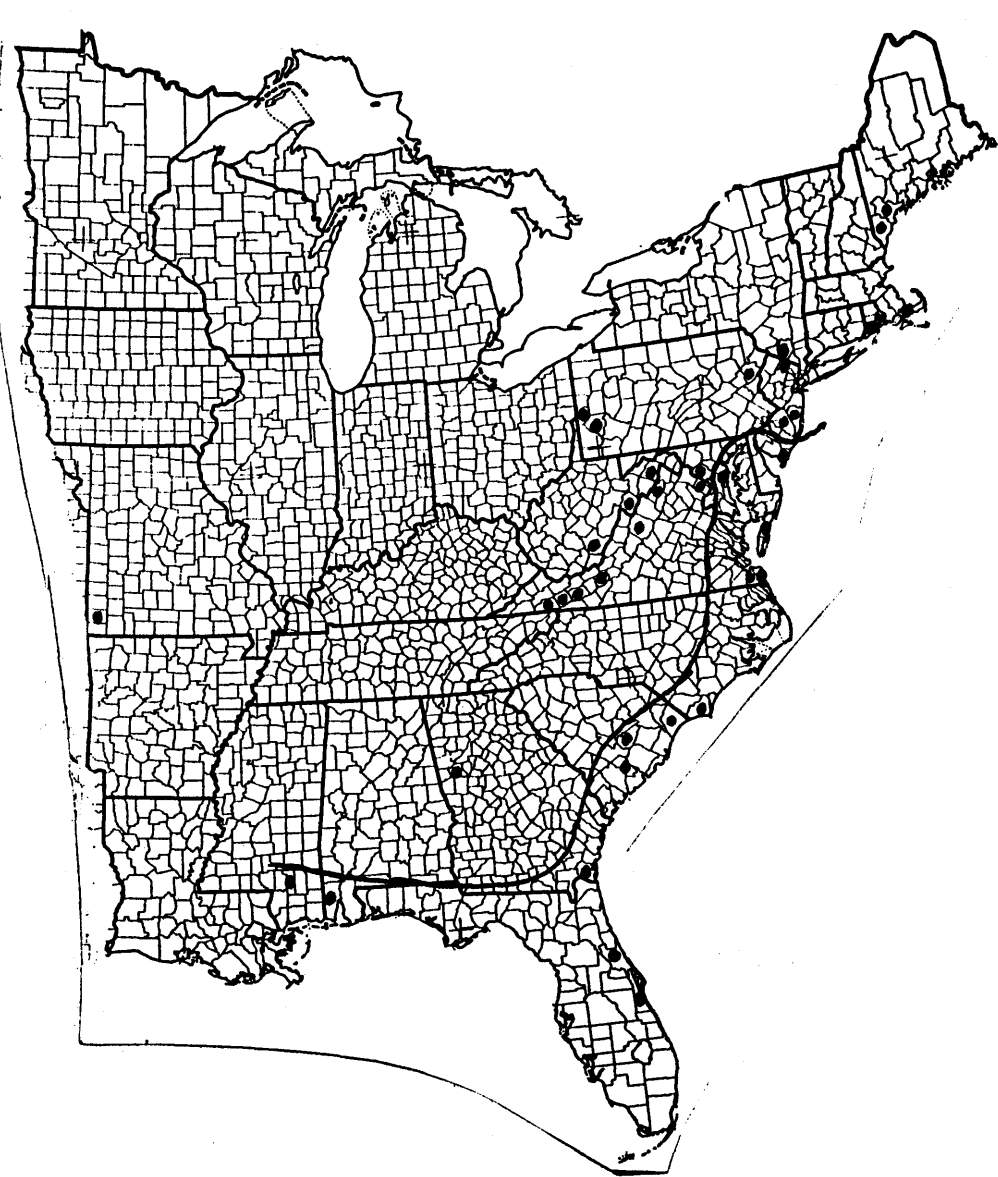
Neonympha mitchellii



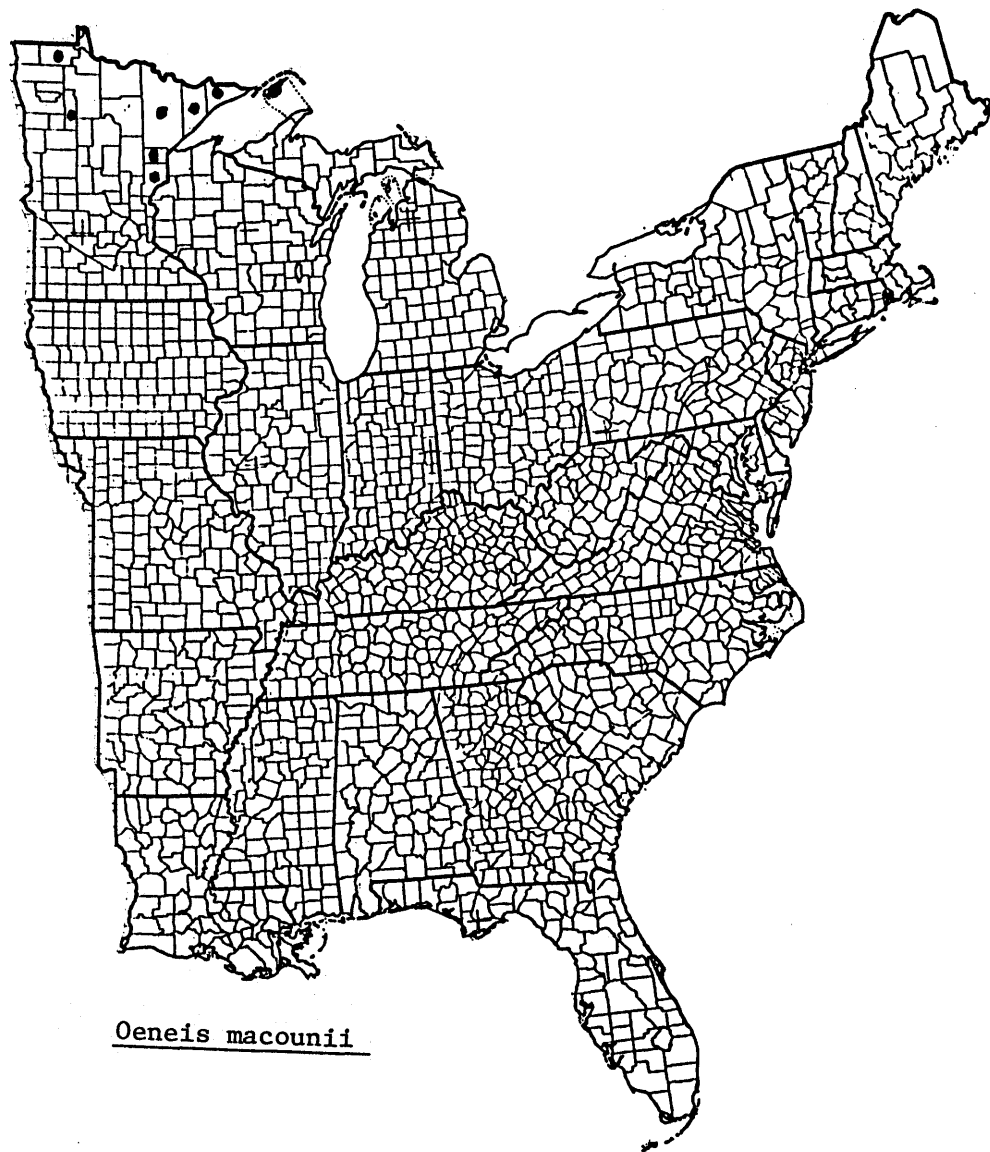
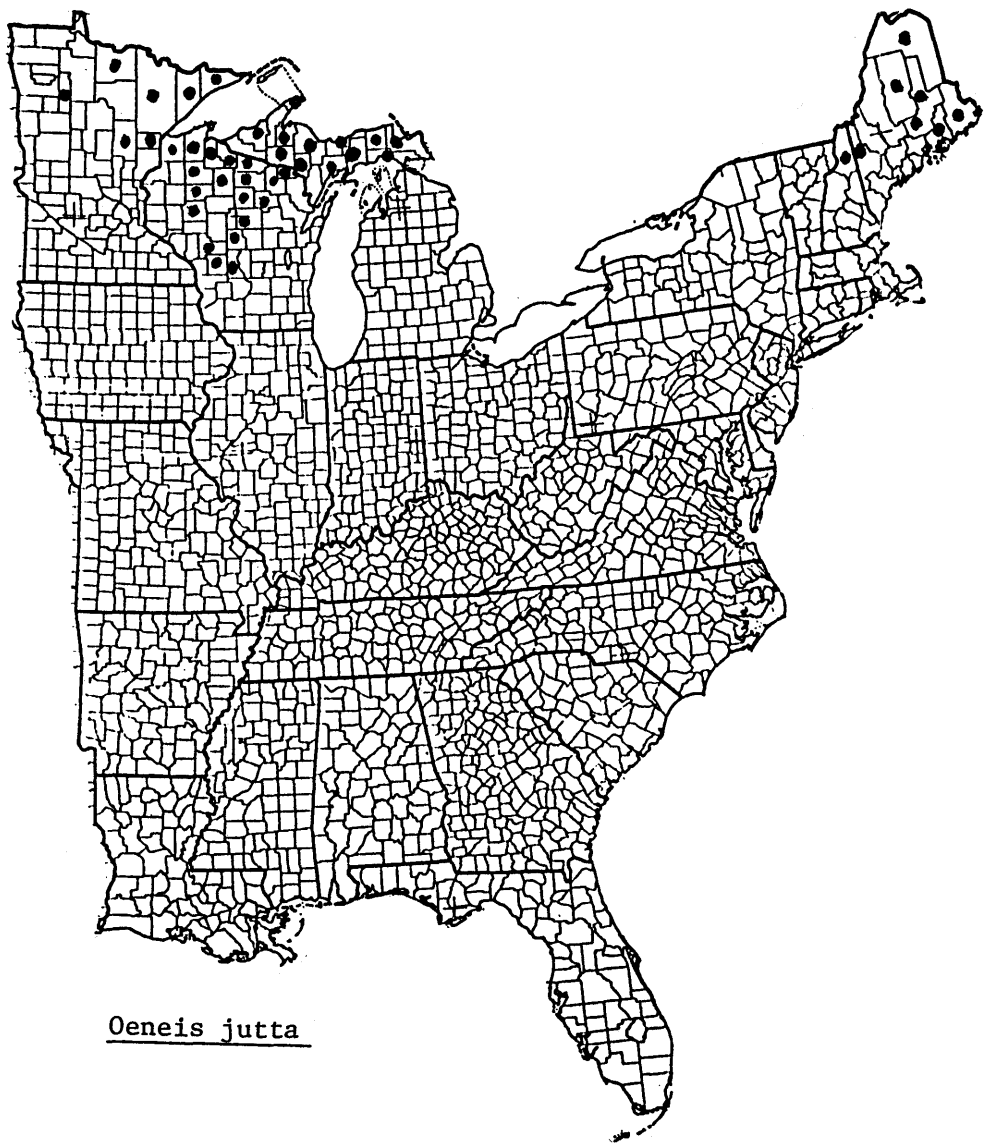
Neonympha areolatus

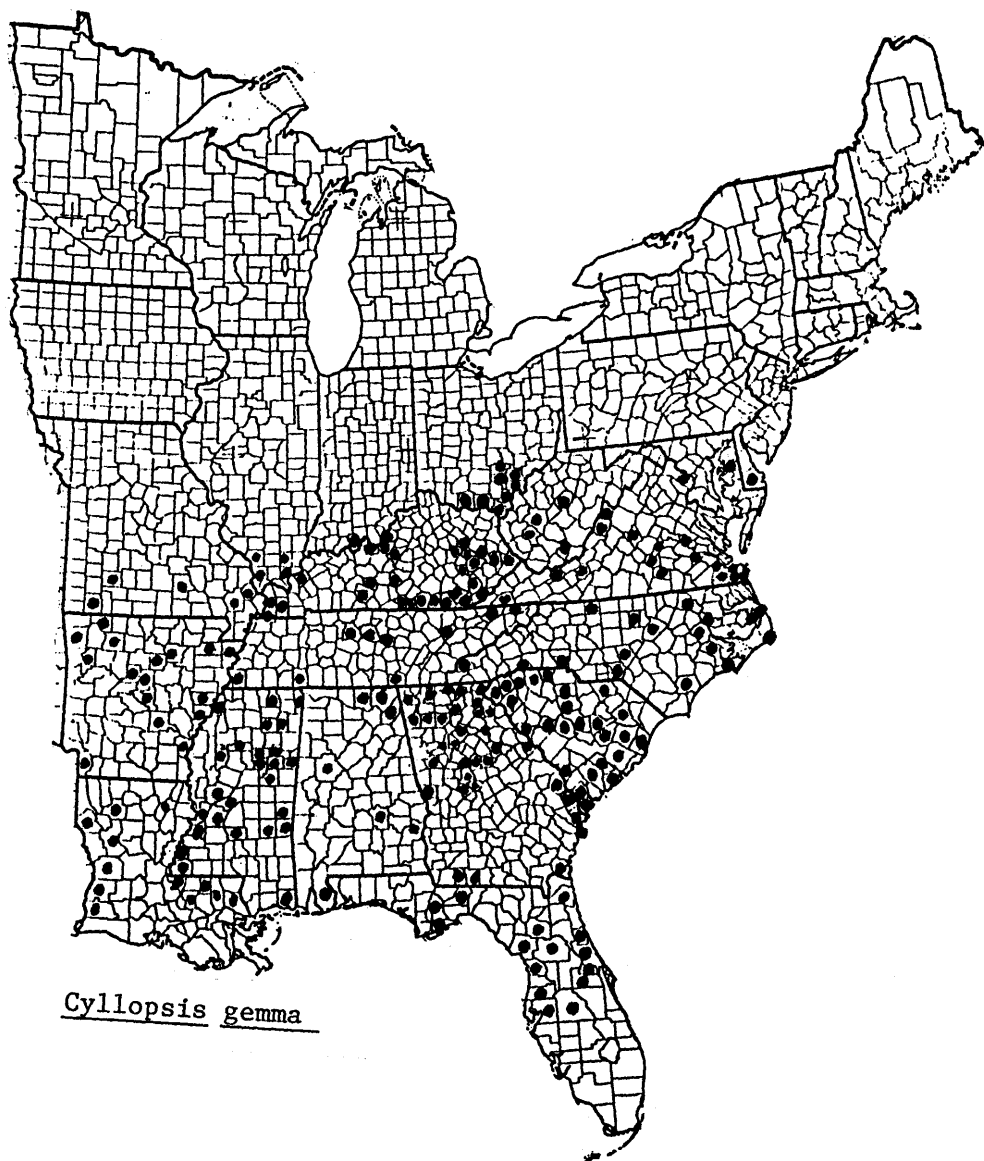


C. pegala (nephela, olympus)
 all dark
 or
 sl. yell. around
 ocelli

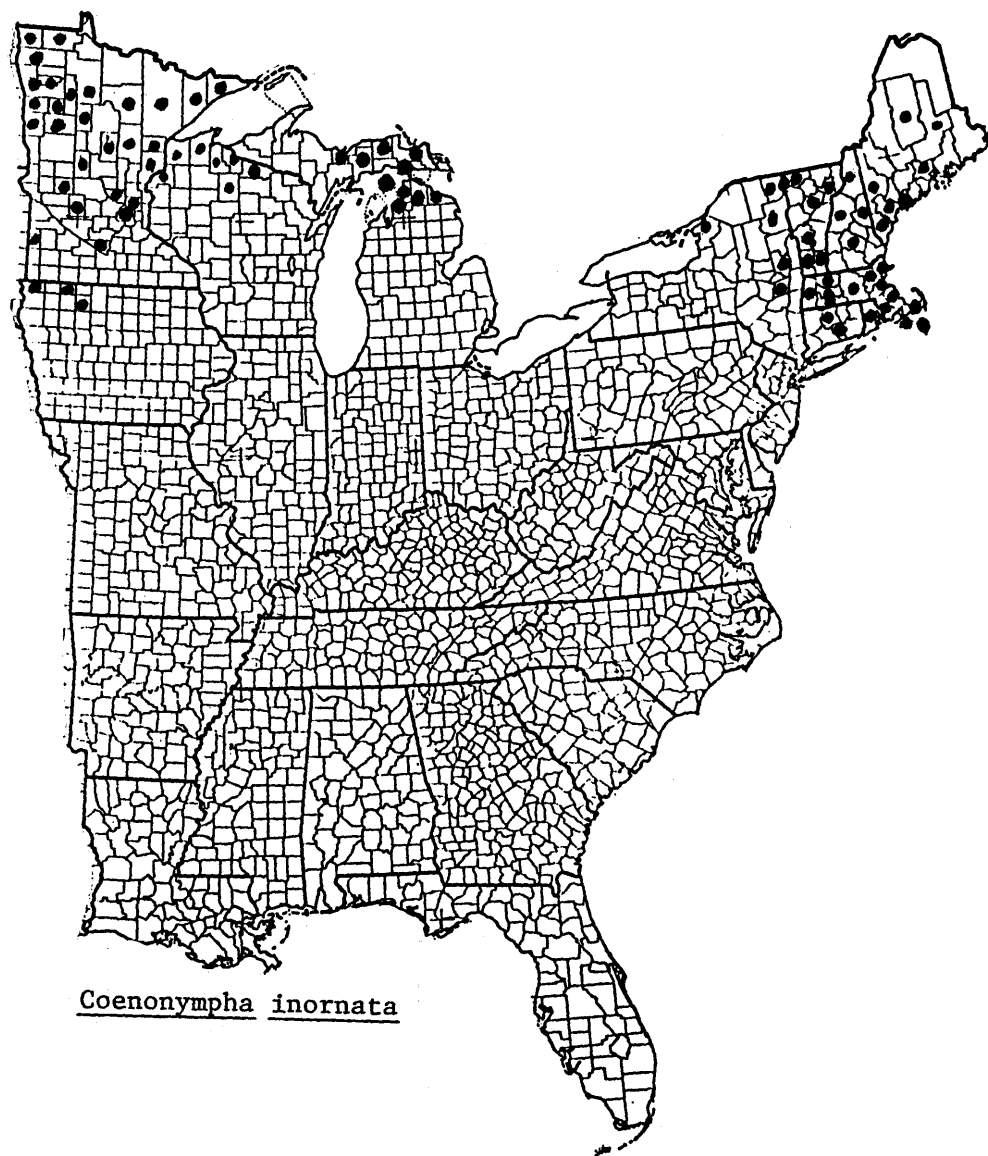


C. pegala orange pegala + texana
 yellow alope

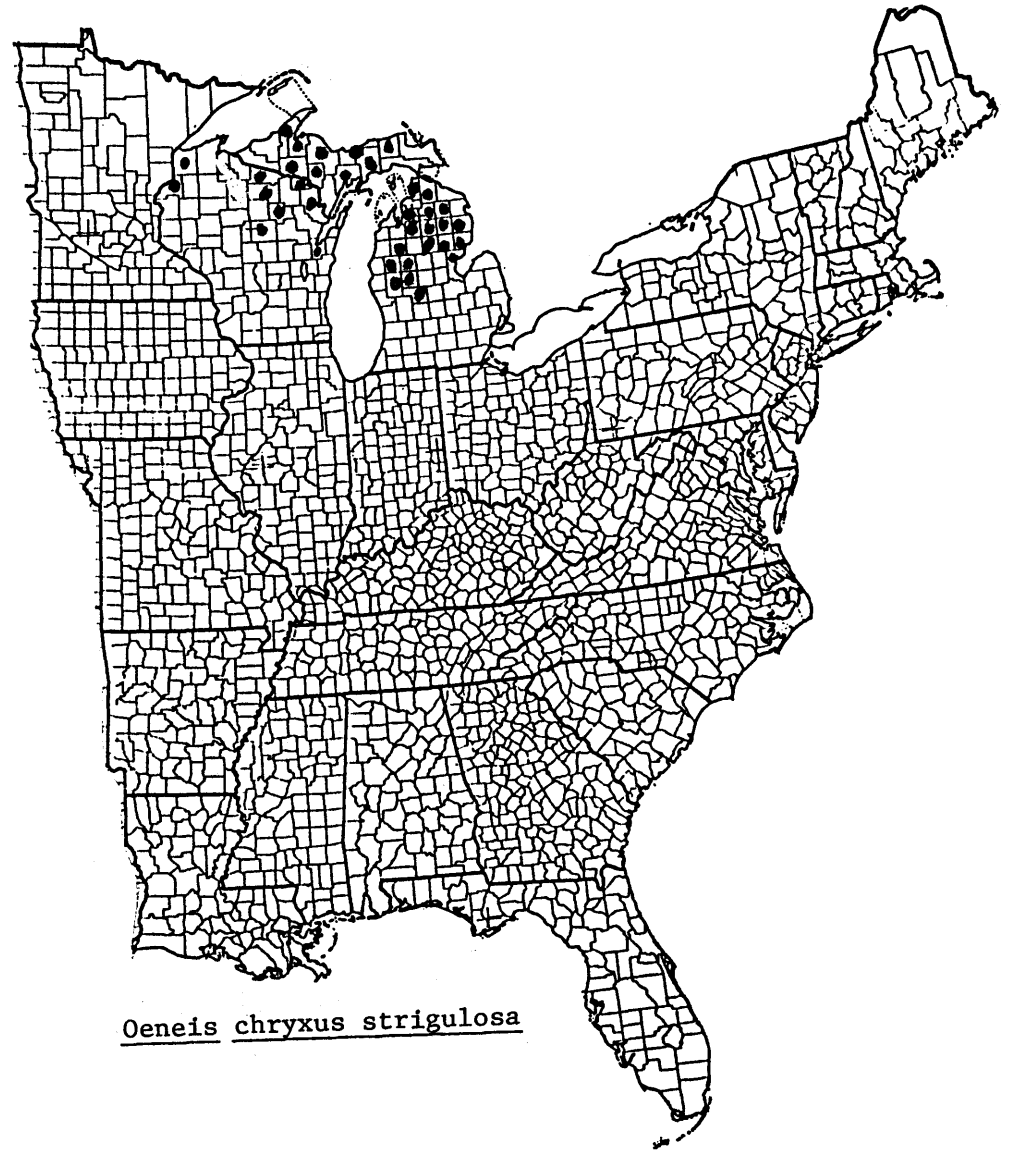
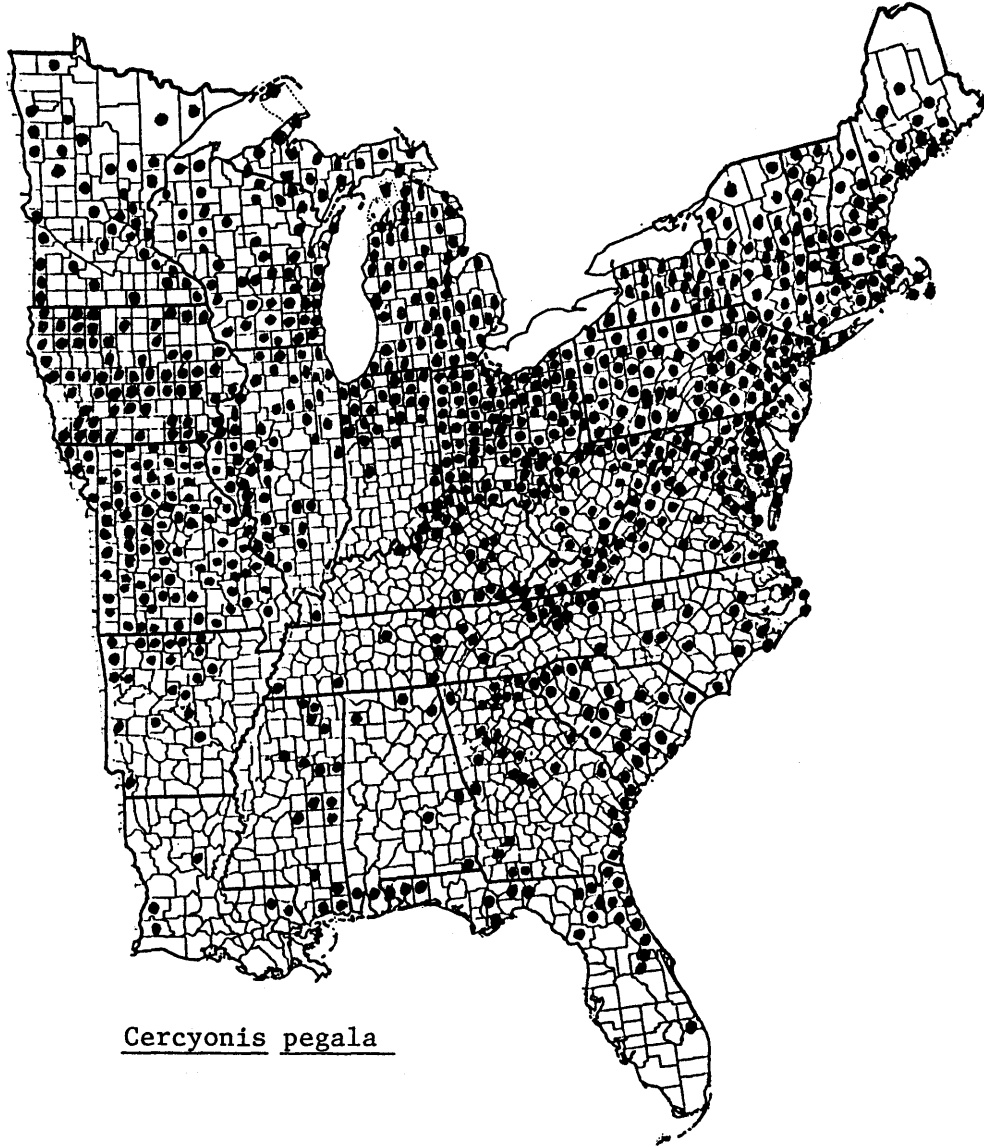


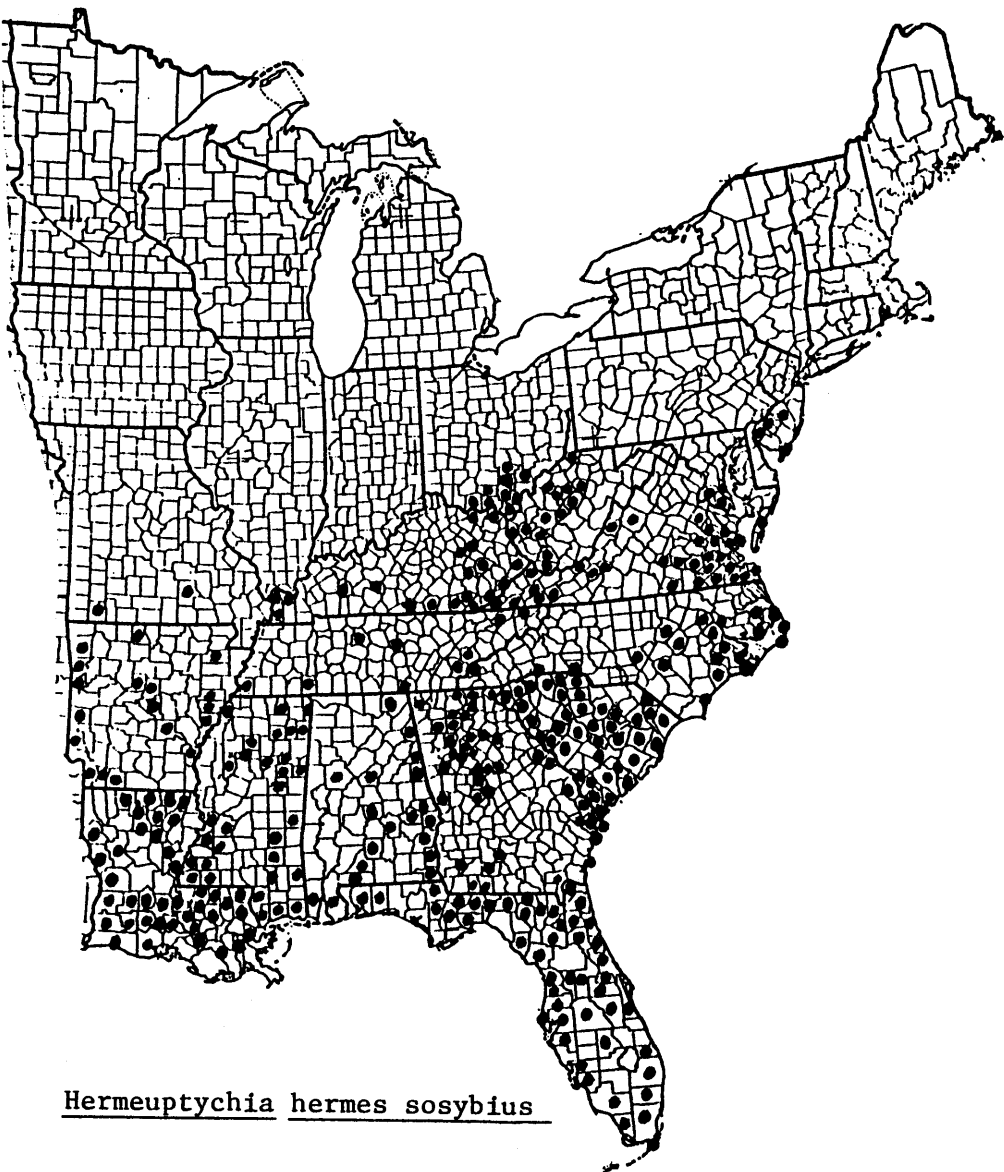


Cyllopsis gemma

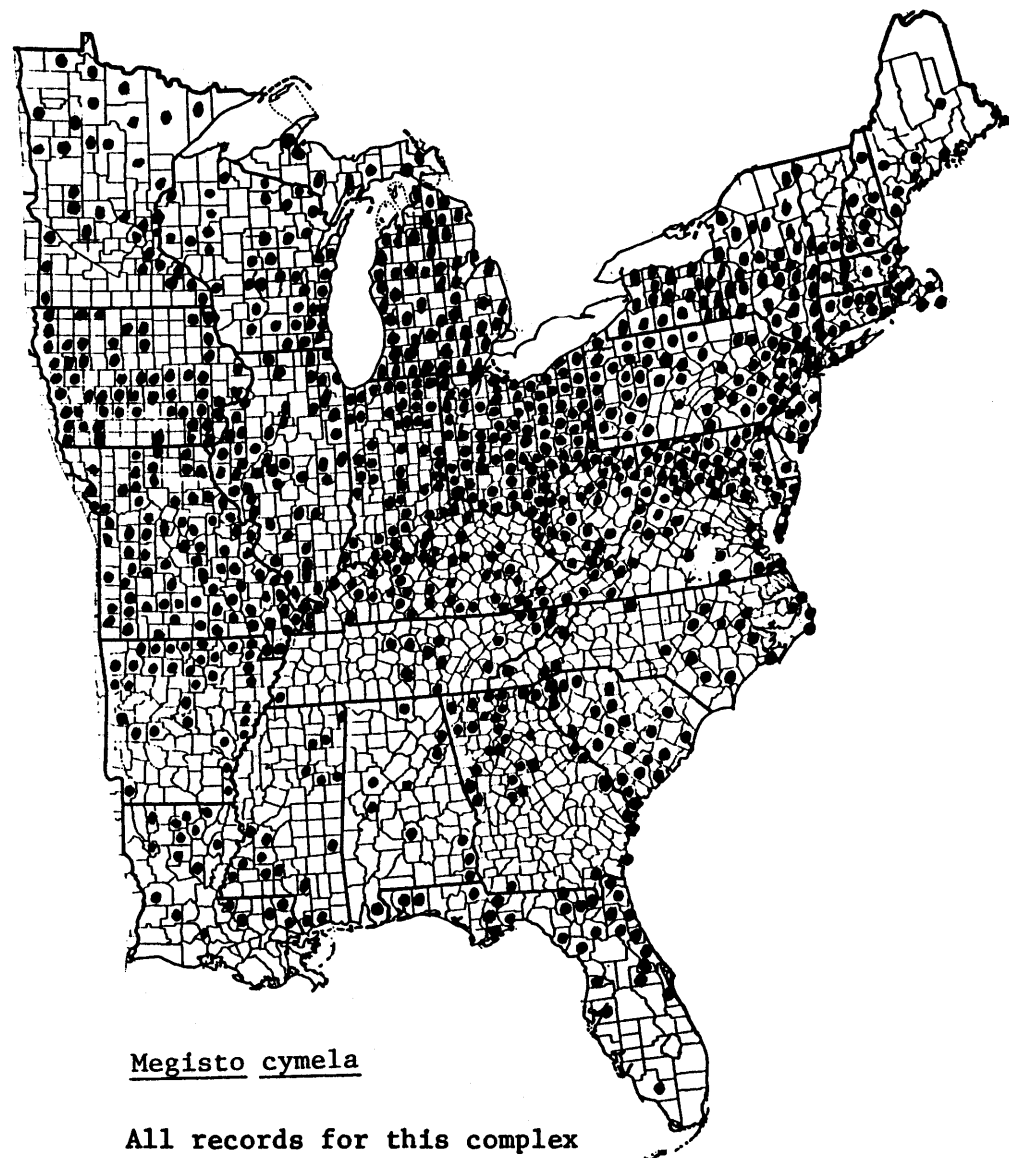


Coenonympha inornata



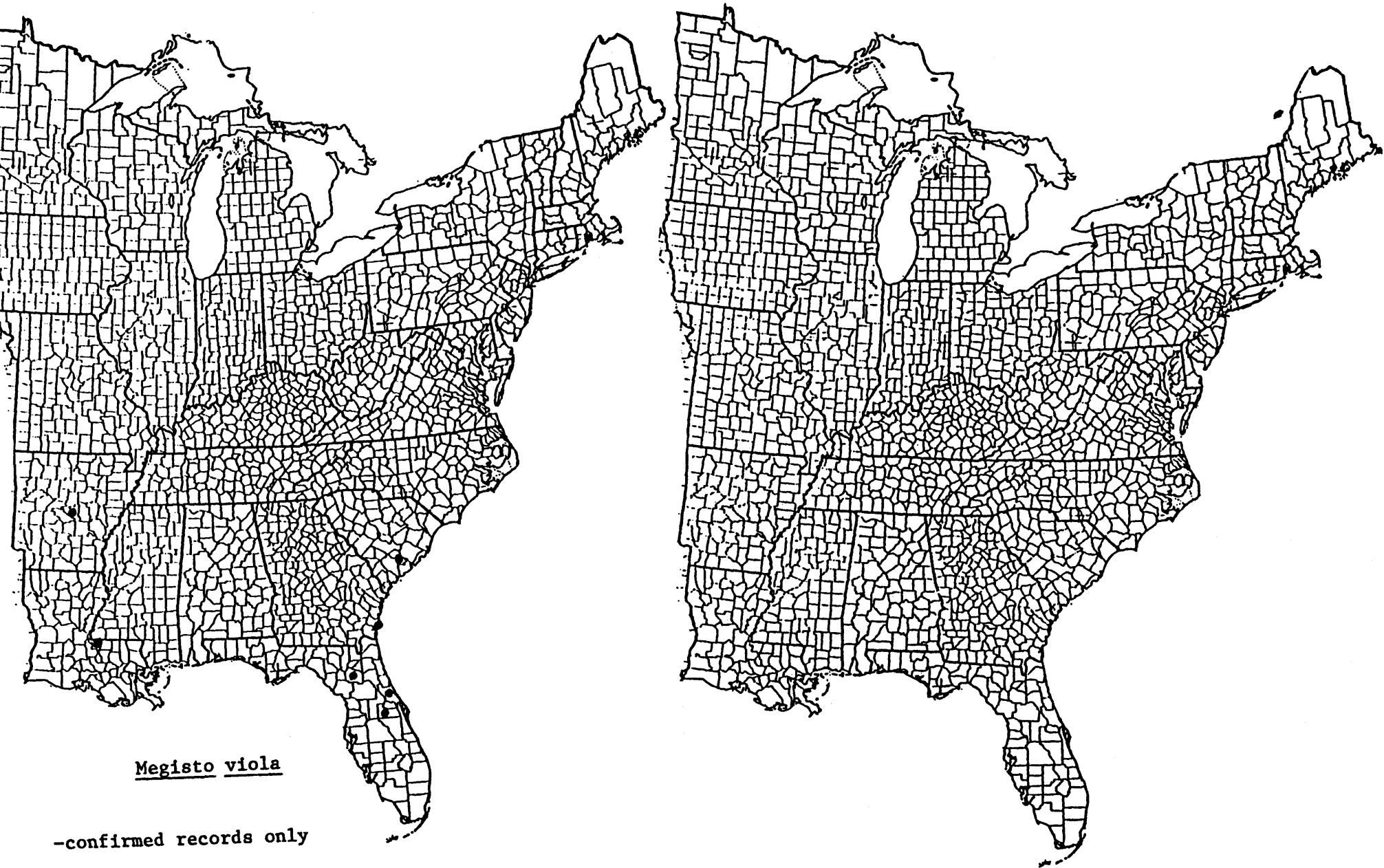


Hermeuptychia hermes sosybius



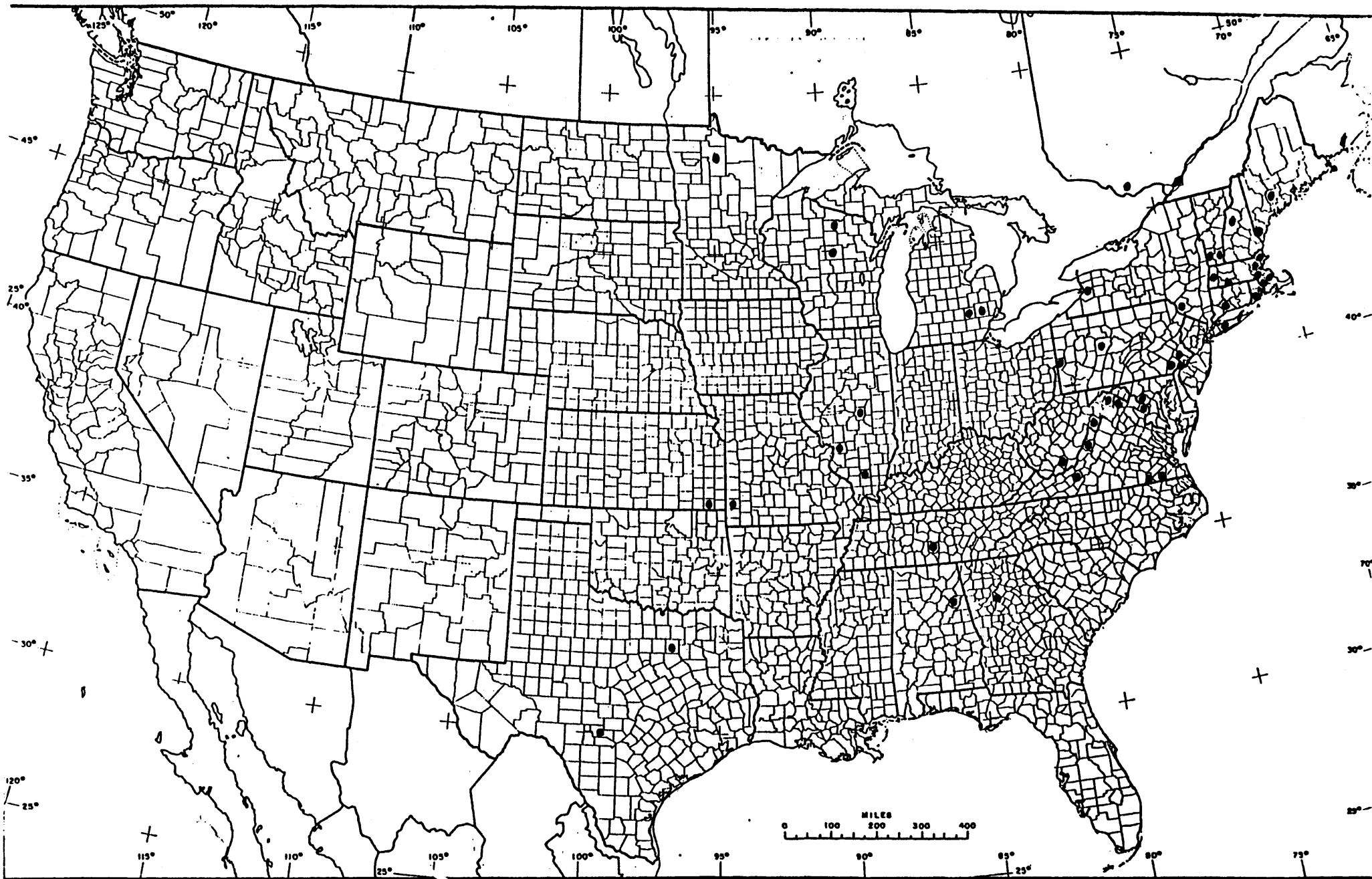
Megisto cymela

All records for this complex

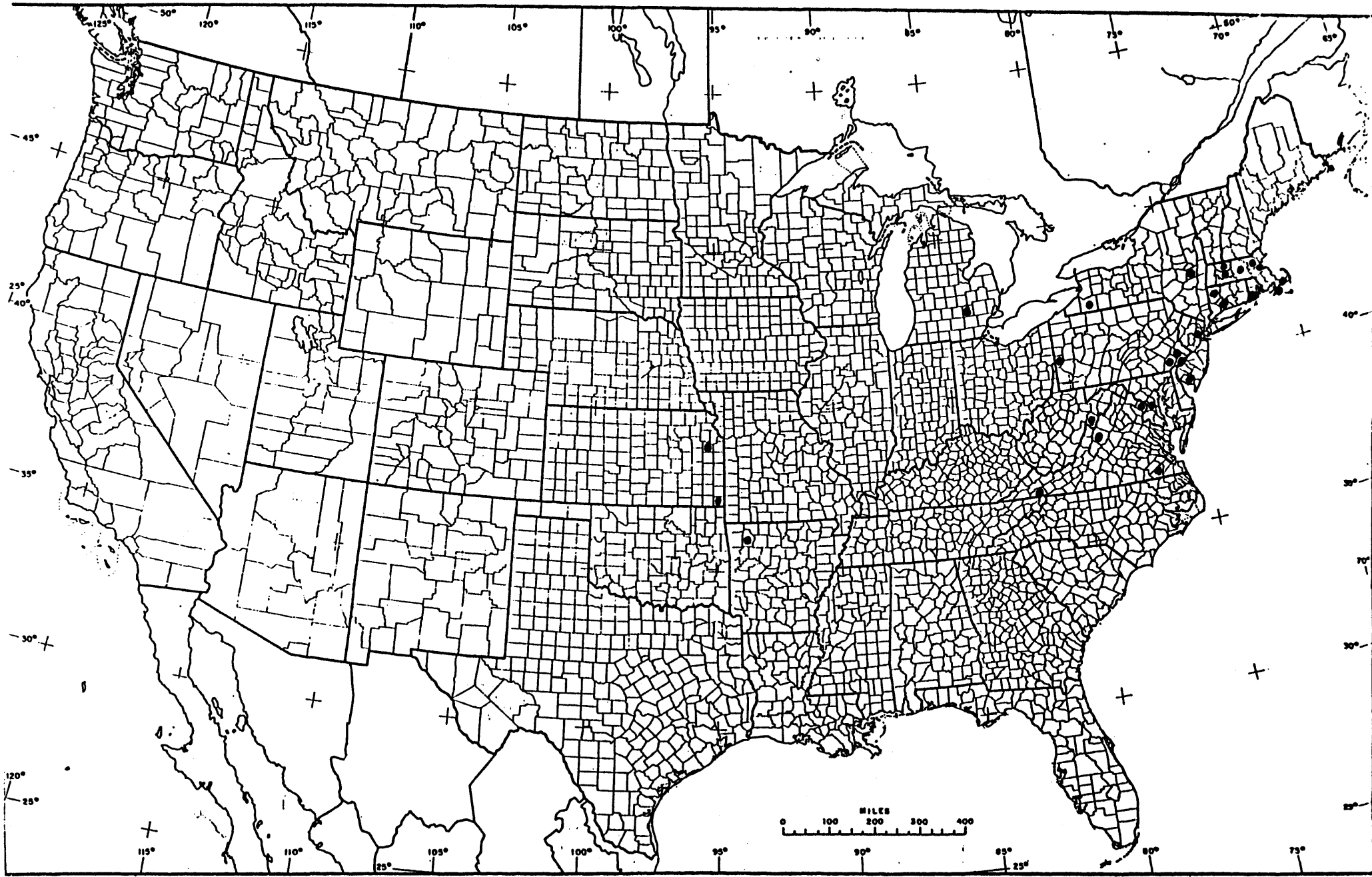


Megisto viola

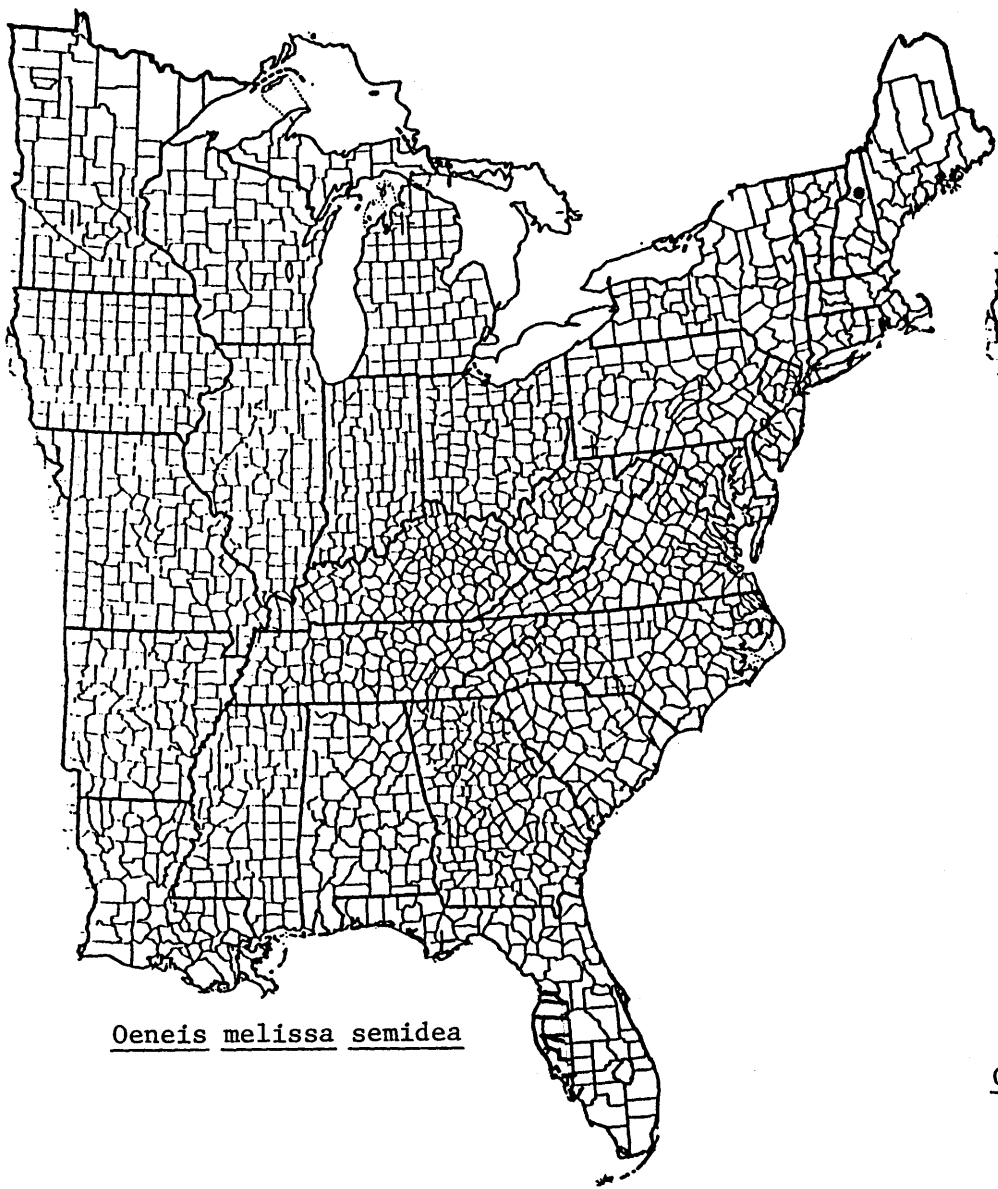
-confirmed records only



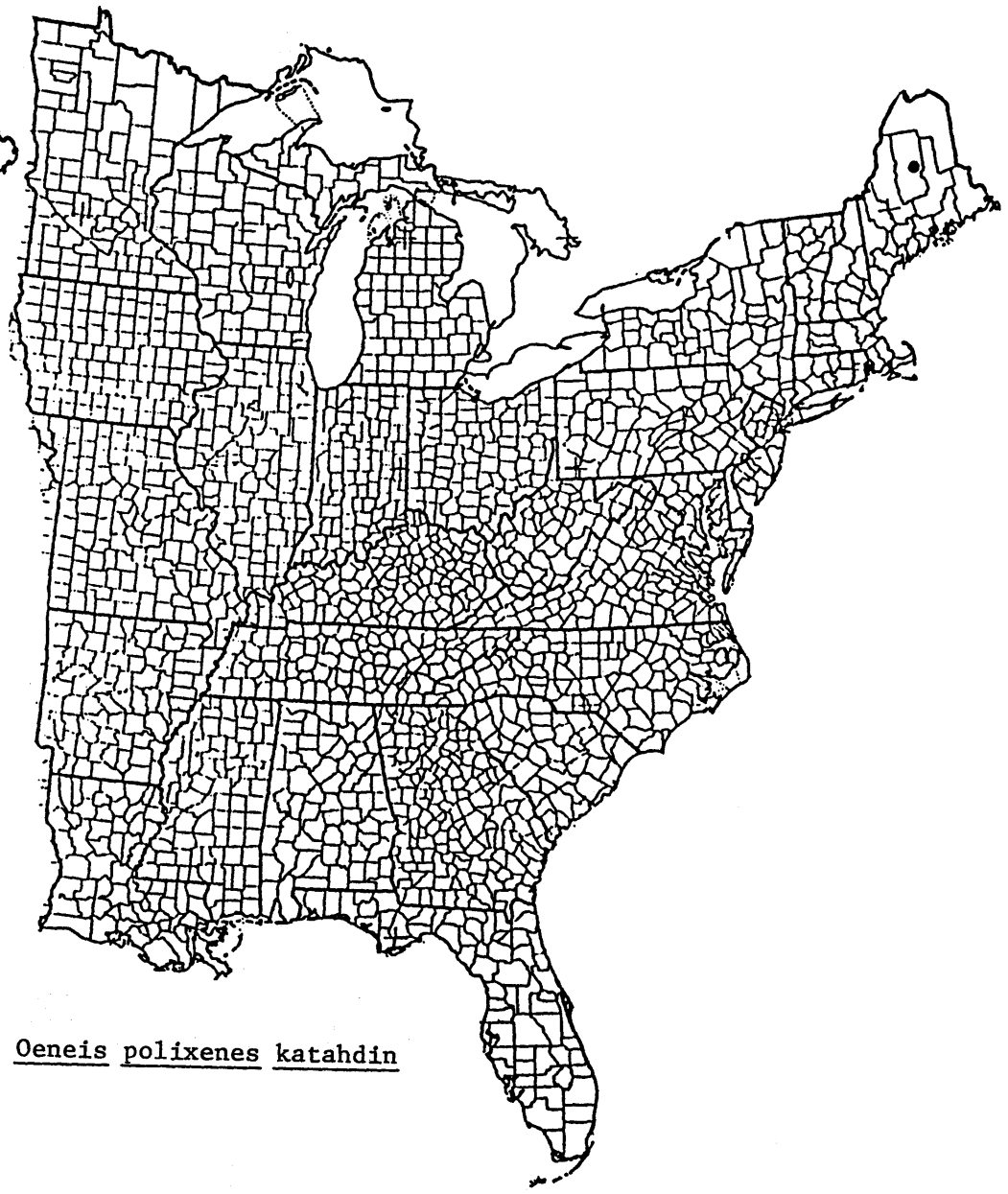
Megisto cymela Type I
Generally May-June



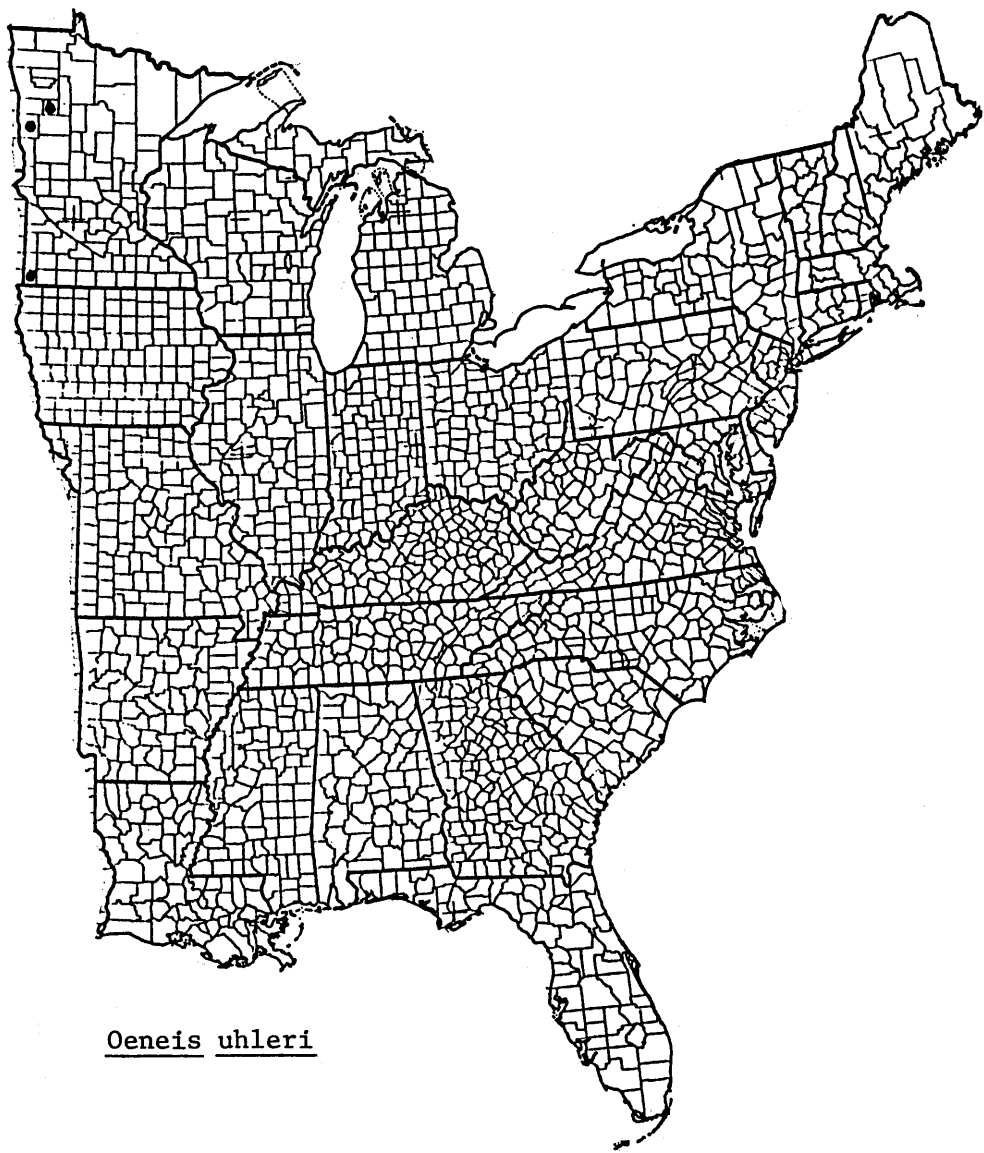
Megisto cymela Type II
Generally July-early August



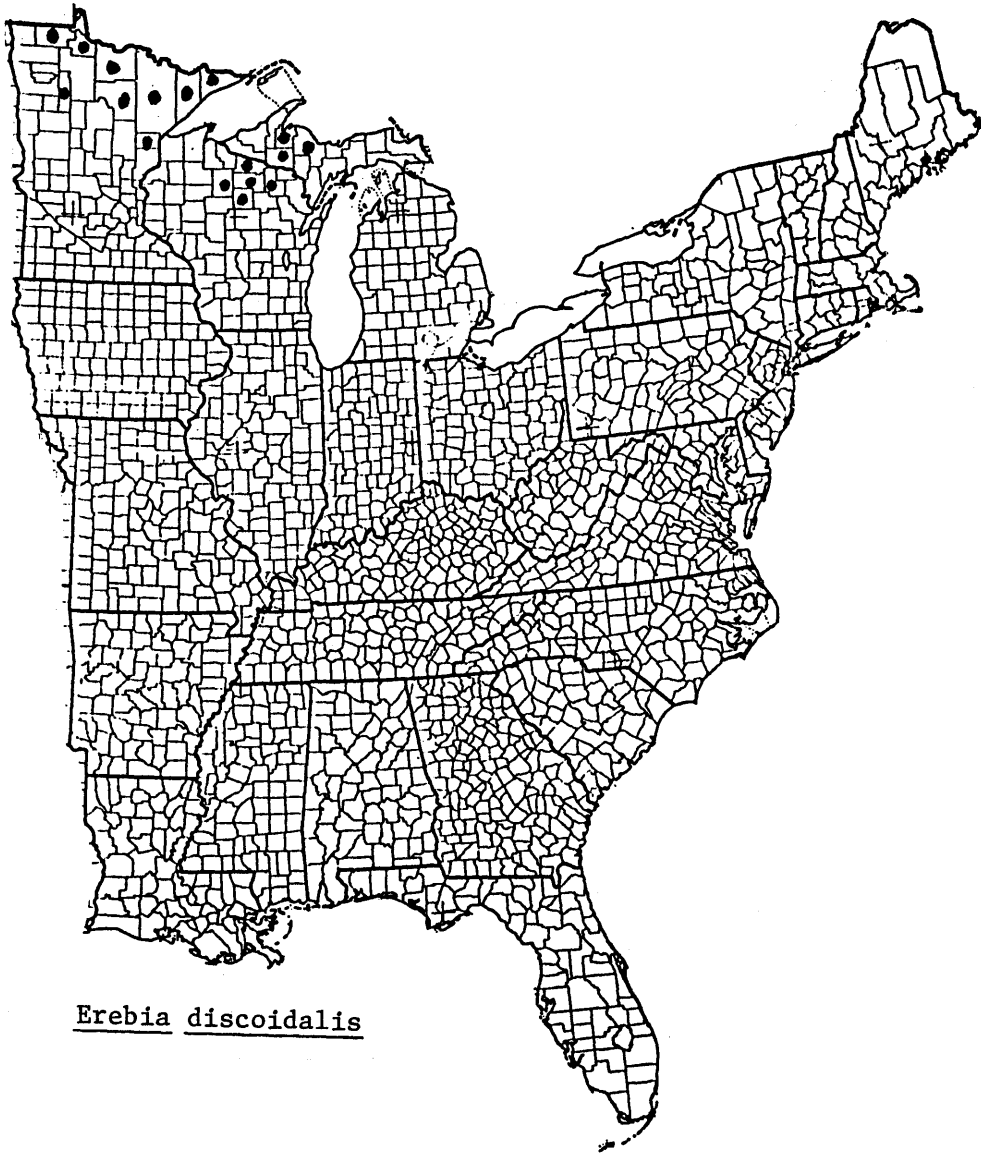
Oeneis melissa semidea



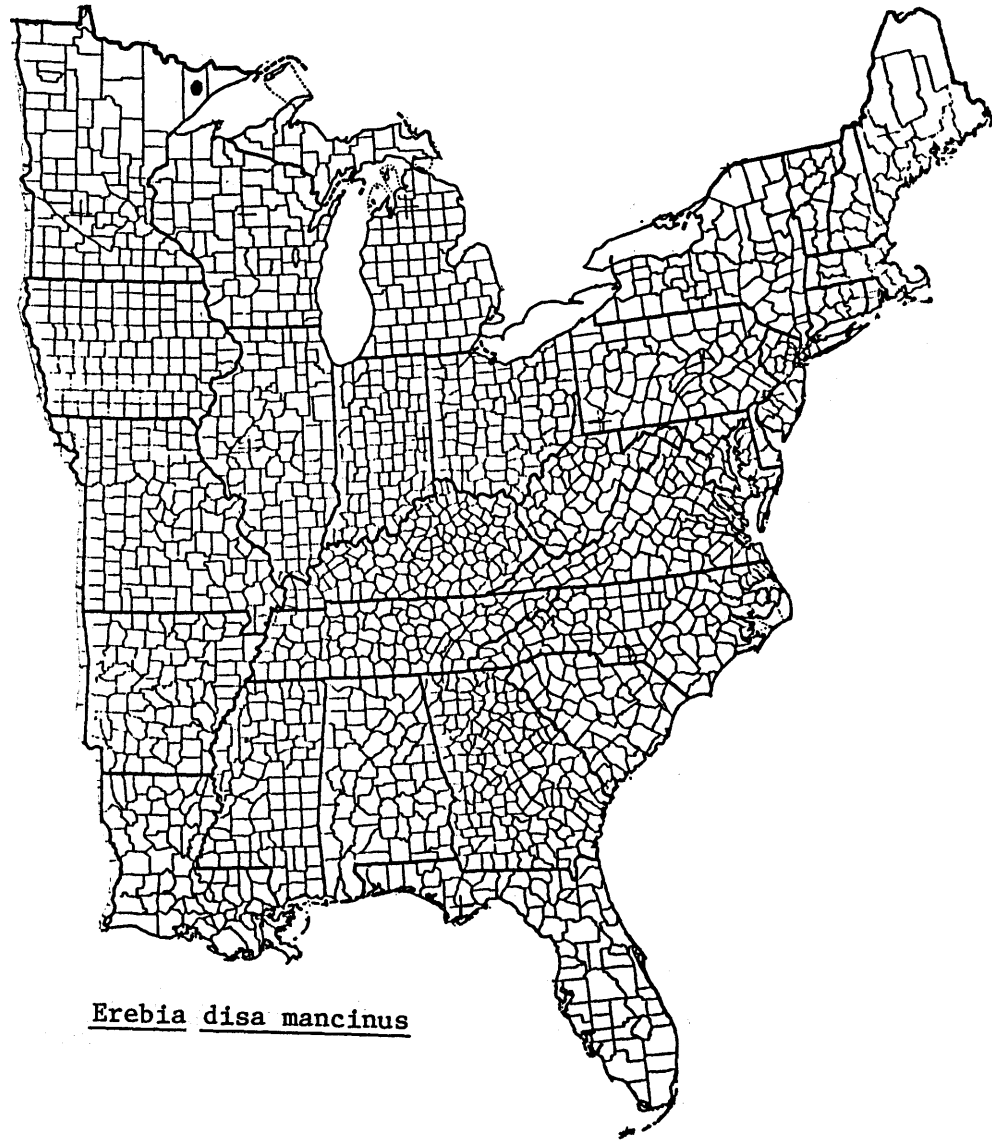
Oeneis polixenes katahdin



Oeneis uhleri



Erebia discoidalis



Erebia disa mancinus