

County Distribution Maps of Iowa  
Butterflies and Skippers

1995  
2005  
2007

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Dennis W. Schlicht

with the assistance of:

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1108 First Ave.  
Center Point, IA  
52213

The following maps represent the known county distribution information for all authenticated butterfly and skipper species which have been observed within the state of Iowa, based upon a dataset of almost 11,000 individual records. In all of these maps:

open circles represent counties in which the most recent collection predates 1960

gray circles represent counties in which the most recent collection was made between 1960 and 1979

black circles represent counties in which the most recent collection was made since 1980.

The data upon which these maps have been based are:

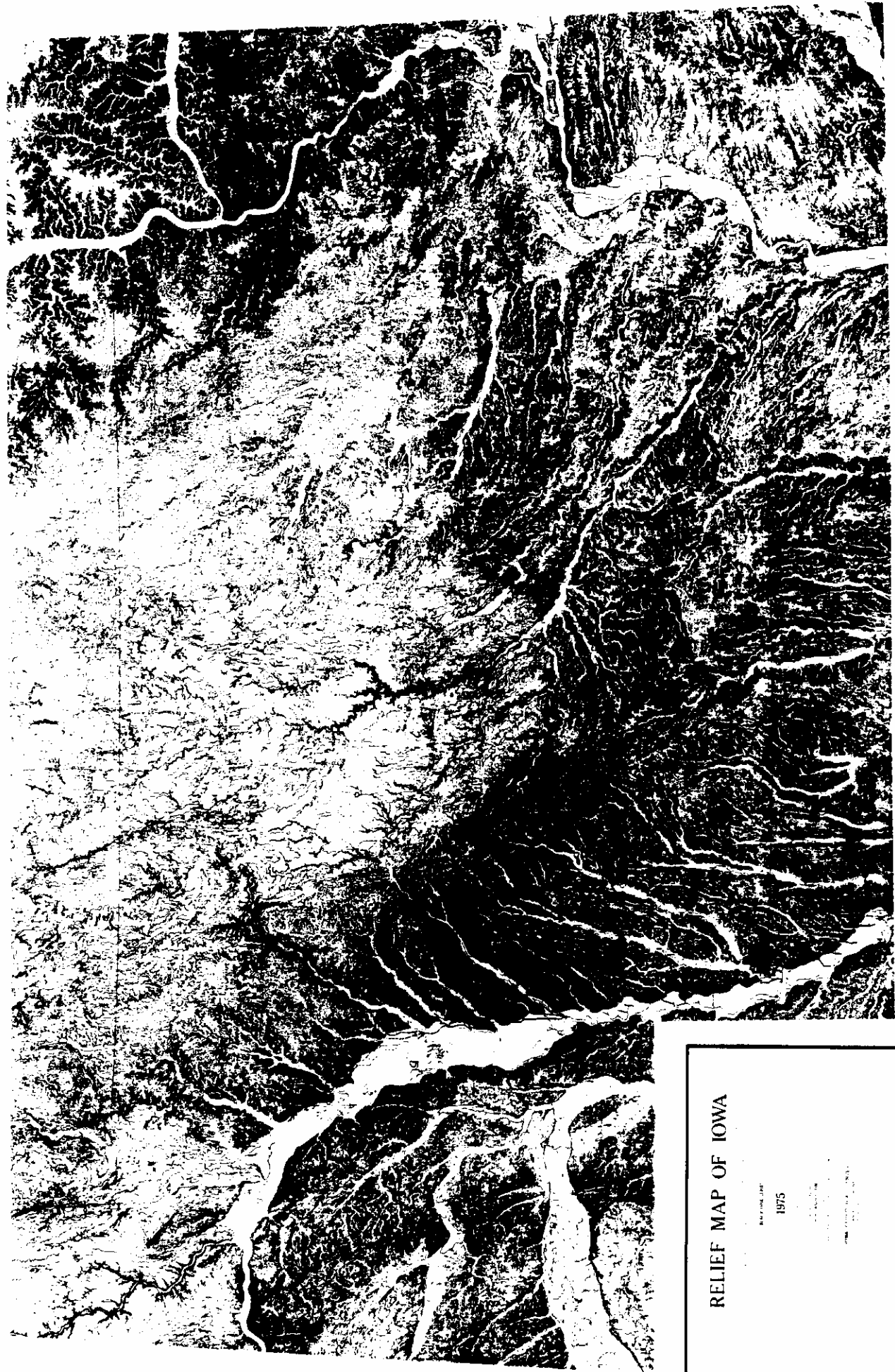
- 1) Notebook of John Downey, who recorded all published Iowa butterfly records until his retirement in 1987 from the Graduate School of the University of Northern Iowa. This dataset includes all records reported by M.C. Christenson from his 1972 master's thesis on Iowa butterflies.
- 2) Notebook of Dennis Schlicht, which contains all Iowa specimens within his collection, as well as correspondence from other active Iowa collectors.

A number of other important collections have certainly been missed. As such, these maps should be considered only a first iteration. As additional information becomes available, it will be entered into the database. We hope to update these maps in four years.

We have not included records from those data sources which are based solely upon sight information, such as the published July 4<sup>th</sup> Butterfly Counts. We have made this decision as it is not possible to verify such reports, and as we cannot control for observer experience.

This project would not have been possible were it not for the efforts of a large number of collectors in the state. As they were willing to share their information with John Downey and Dennis Schlicht, it was possible to create this dataset and the following maps upon which they were based. While it is not possible to mention all persons who contributed, we would in particular like to thank the following individuals who have contributed the most data: Brian Blevins, Bob Cecil, Dennis Cuthrell, Mike Christenson, John Fleckenstein, Ed Freese, Michael Hafner, Ray Hamilton, Ron Harms, Robert Howe, Steve Milne, John Nehnevaj, Judy Pooler, Frank Olsen, Tim Orwig, Brian Scholtens, and Jerry Selby.

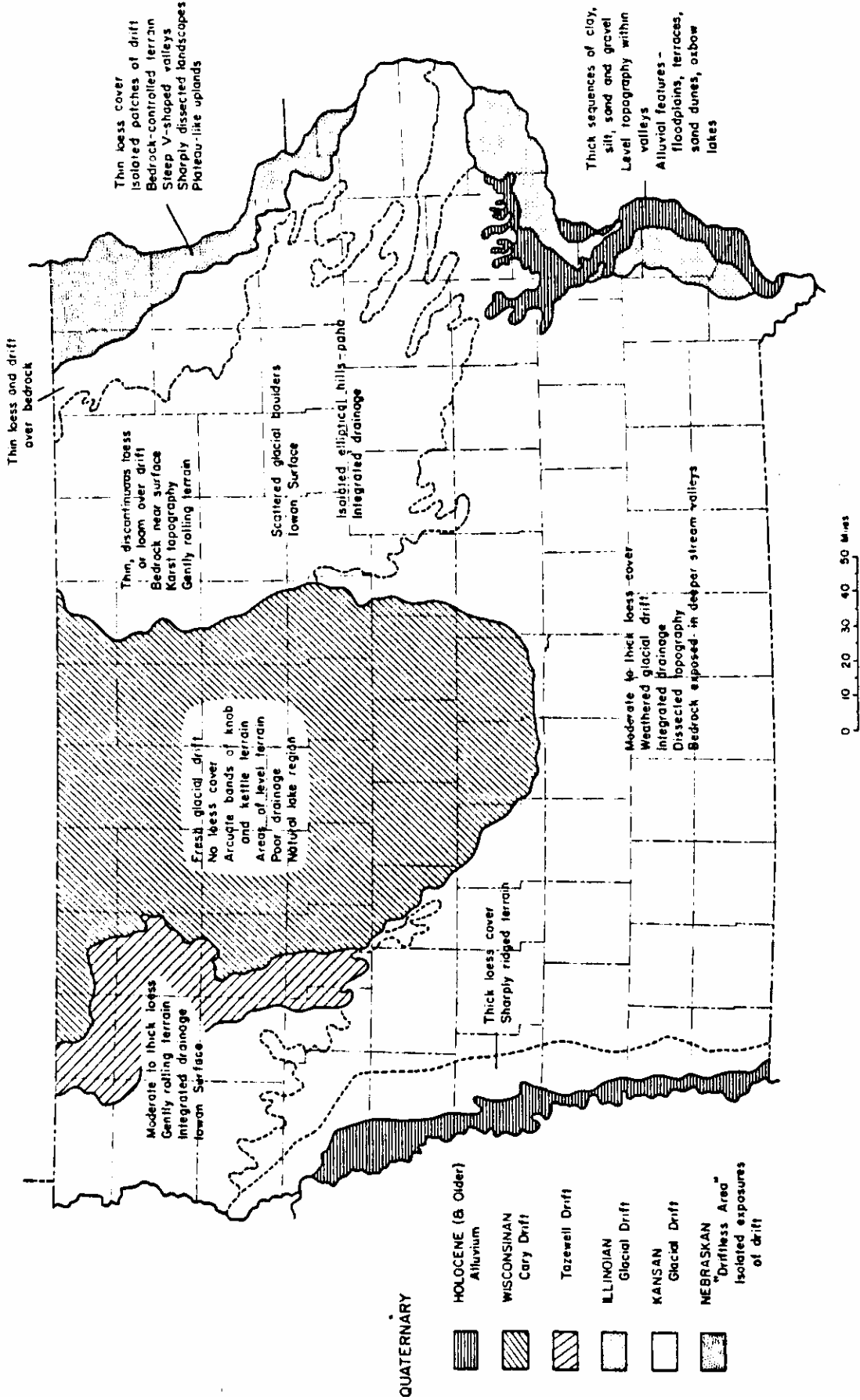




RELIEF MAP OF IOWA

DATE OF PUBLICATION  
1975

STATE OF IOWA  
DEPARTMENT OF GEOGRAPHY  
DES MOINES, IOWA



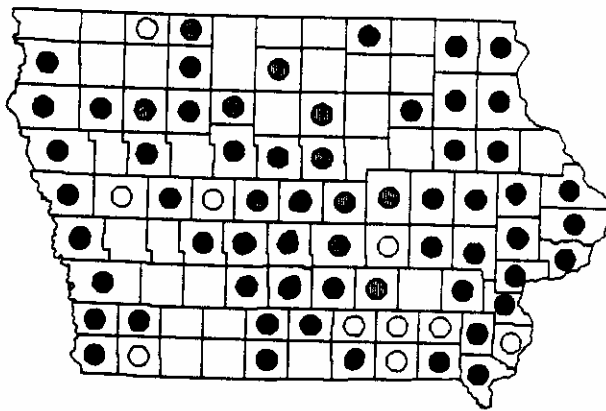
QUATERNARY

- HOLOCENE (B. Older)  
Alluvium
- WISCONSINAN  
Cary Drift
- Tazewell Drift
- ILLINOIAN  
Glacial Drift
- KANSAN  
Glacial Drift
- NEBRASKAN  
"Driftless Area"  
Isolated exposures  
of drift

QUATERNARY TERRAIN AND MATERIALS IN IOWA.  
(From: Prior, J.C., 1976)

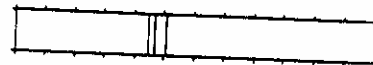
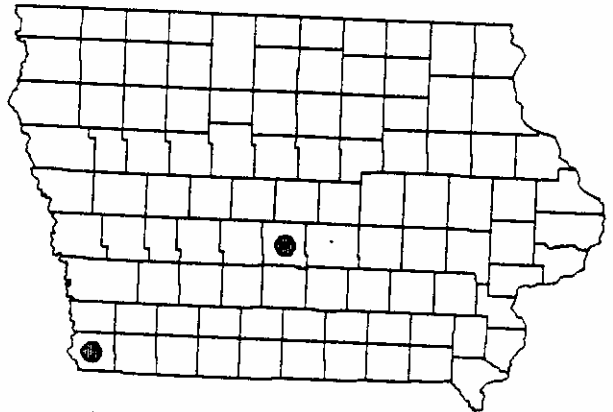
SKIPPERS Family Hesperiidae

5 Silver-spotted Skipper Epargyreus clarus



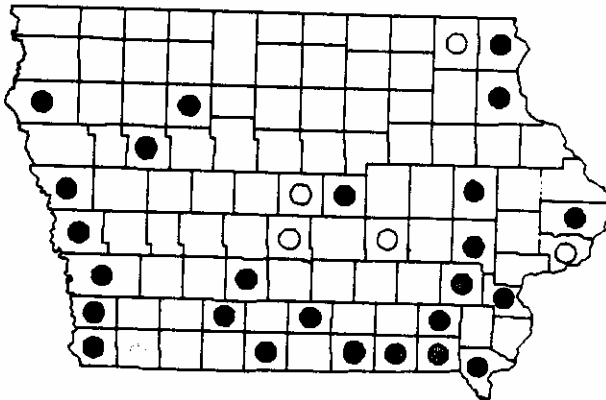
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

41 Hoary Edge Achalarus lyciades



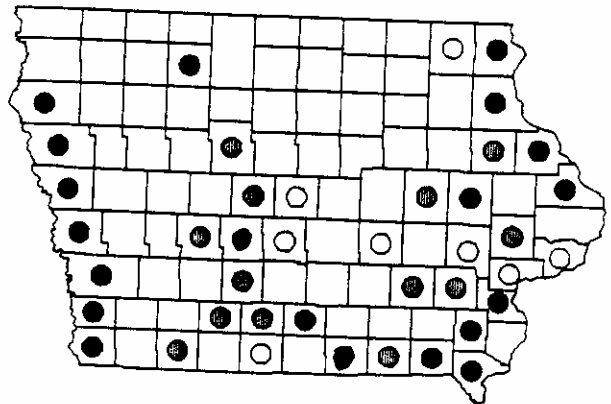
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47 Southern Cloudywing Thorybes bathyllus



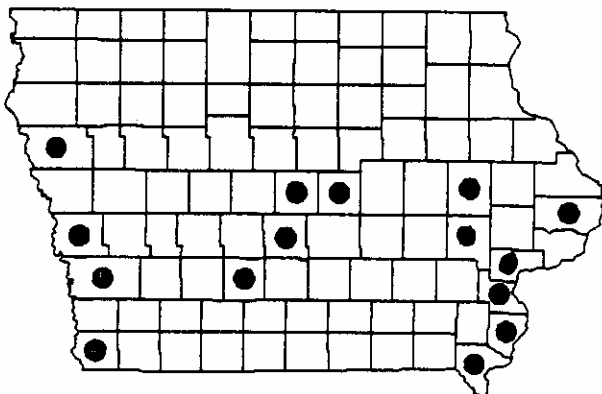
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48 Northern Cloudywing Thorybes pylades



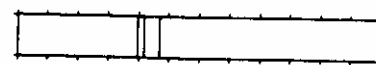
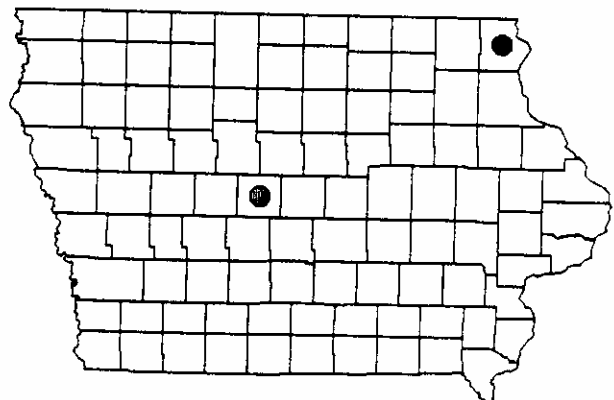
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

70 Hayhurst's Scallopwing Staphylus hayhurstii



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

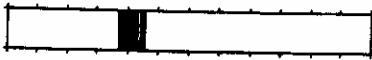
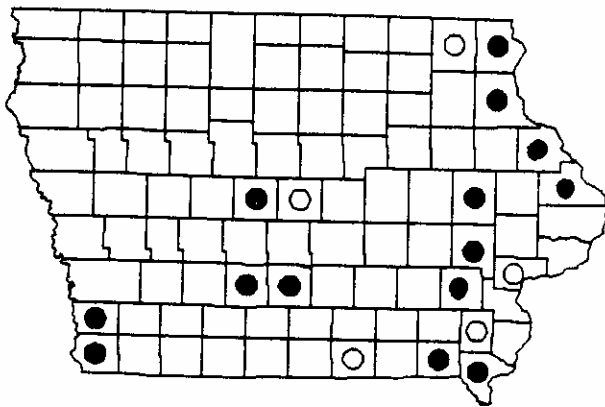
85 Dreamy Duskywing Erynnis icelus



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

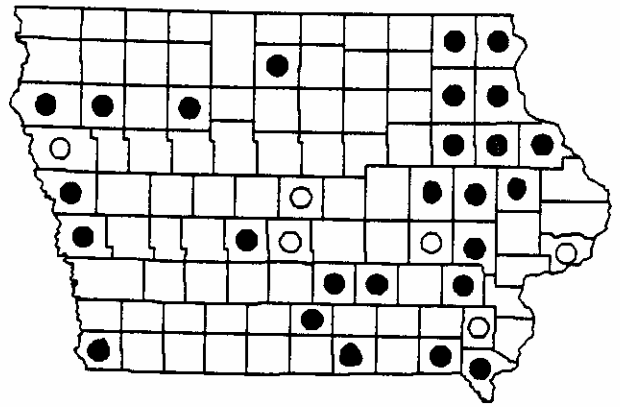
86

Sleepy Duskywing Erynnis brizo



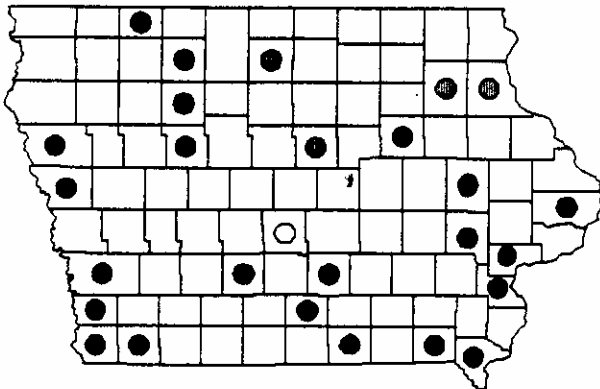
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

87 Juvenal's Duskywing Erynnis juvenalis



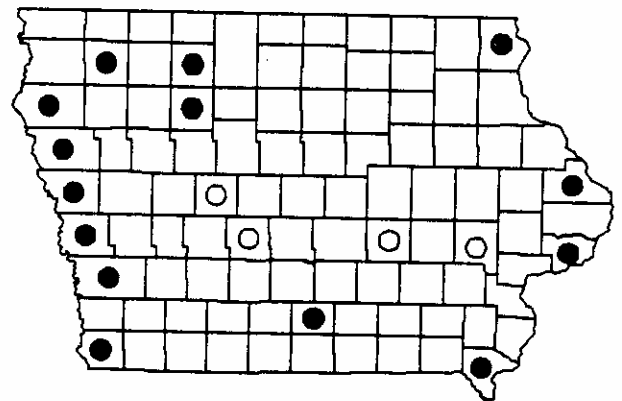
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

92 Horace's Duskywing Erynnis horatius



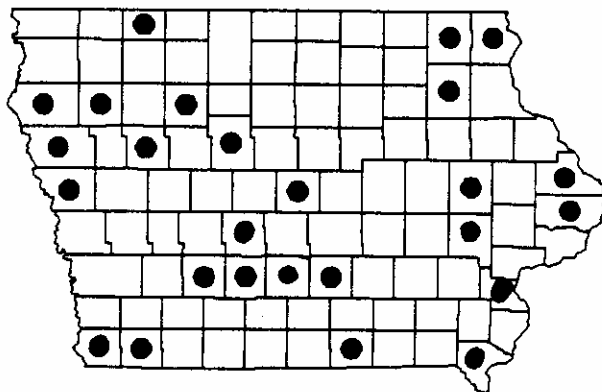
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

94 Mottled Duskywing Erynnis martialis



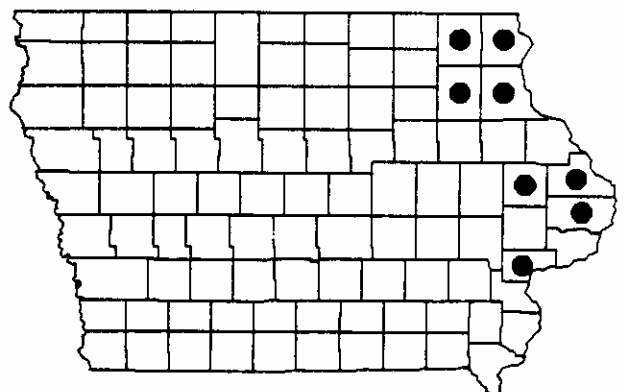
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

98 Wild Indigo Duskywing Erynnis baptisiae



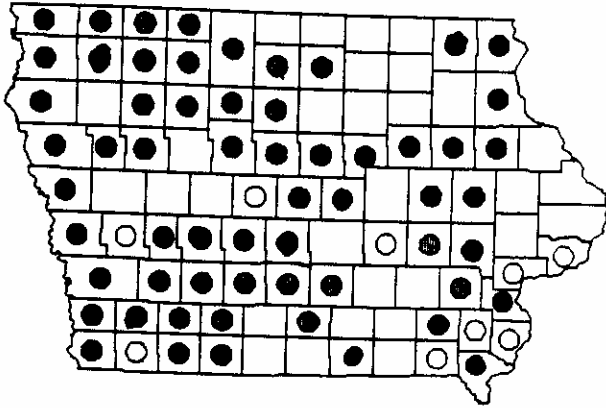
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

99 Columbine Duskywing Erynnis lucilius



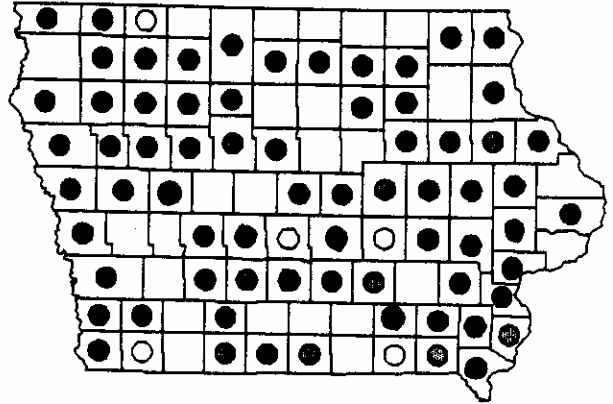
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

106 Common Checkered-Skipper Pyrgus communis



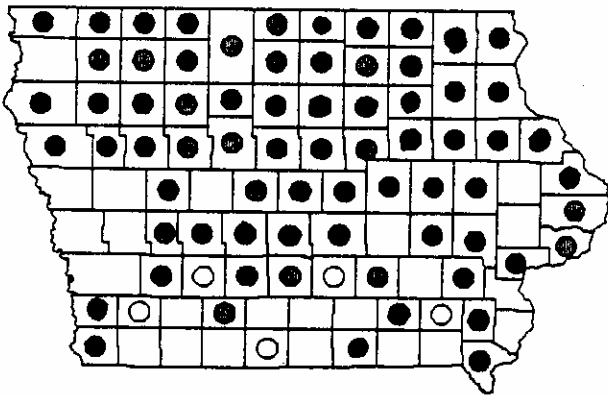
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

117 Common Sootywing Pholisora catullus



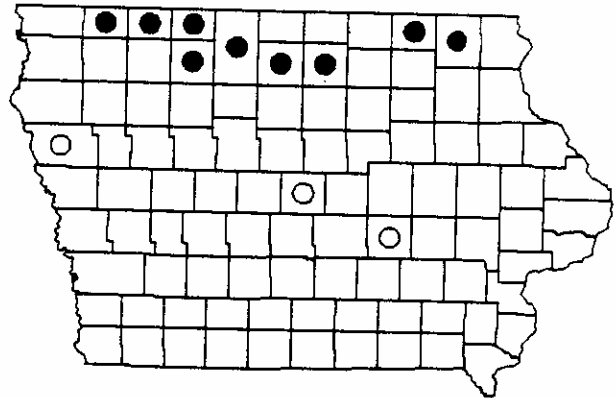
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

146 Least Skipper Ancyloxypha numitor



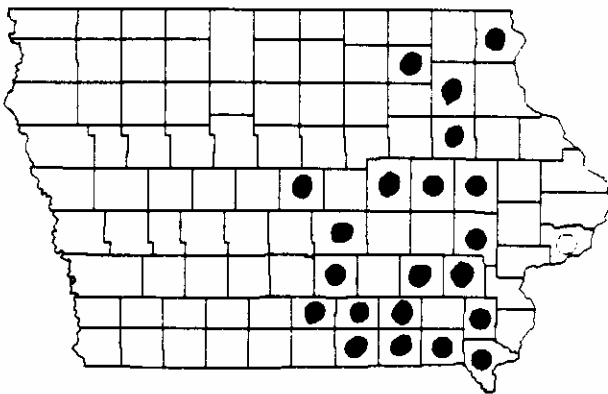
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

149 Poweshiek Skipperling Oarisma poweshiek



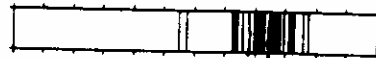
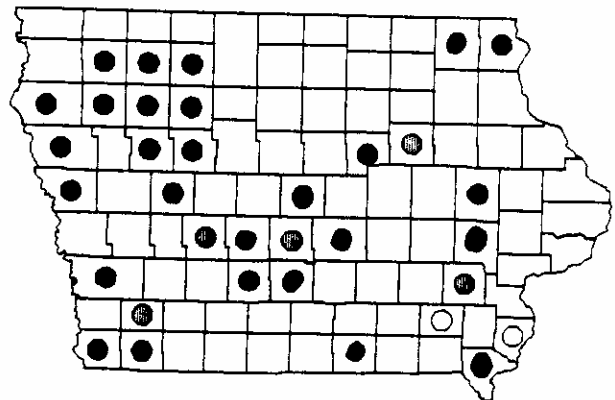
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

154 European Skipper Thymelicus lineola



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

155 Fiery Skipper Hylephila phyleus

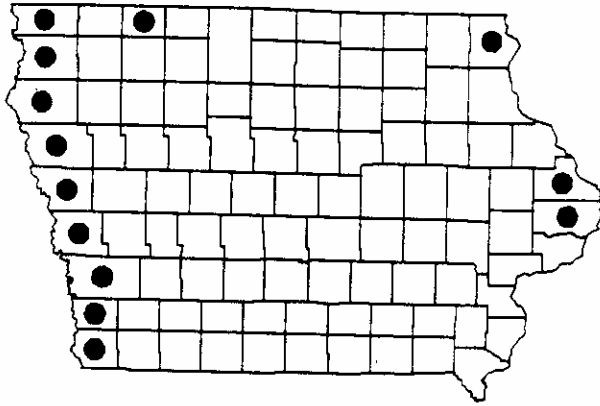


Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



164

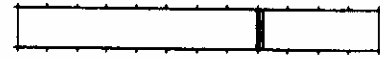
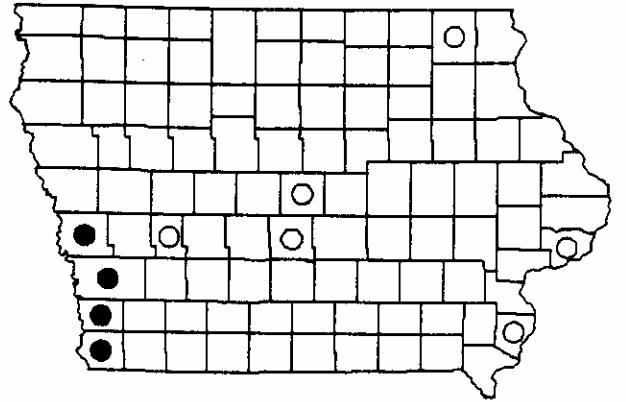
Ottoo Skipper Hesperia ottoe



Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

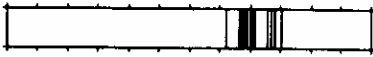
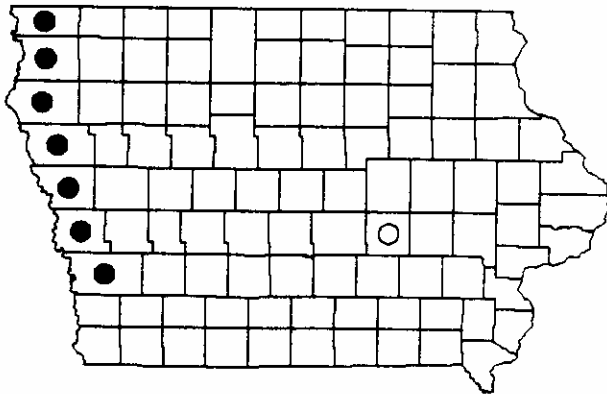
165

Leonard's Skipper Hesperia leonardus



Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

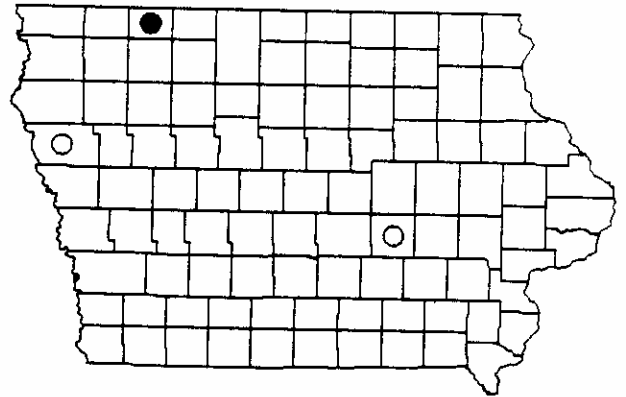
***Hesperia leonardus pawnee***



Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

172

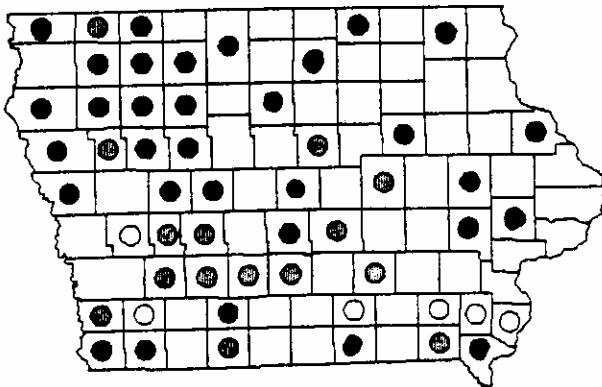
Dakota Skipper Hesperia dacotae



Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

177

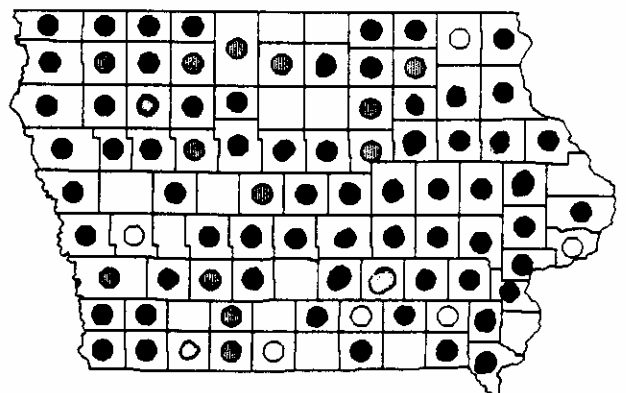
Sachem Atalopedes campestris



Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

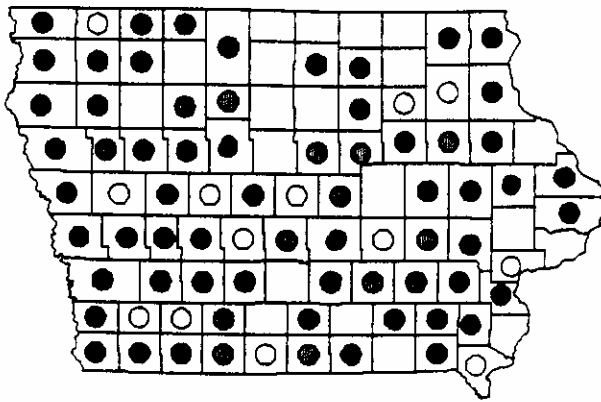
180

Peck's Skipper Polites peckius



Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

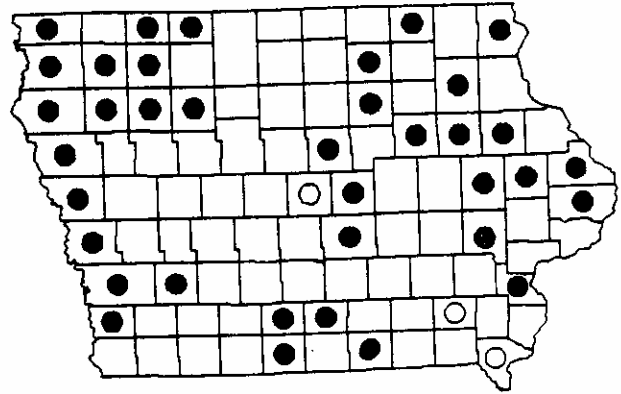
184 Tawny-edged Skipper Polites themistocles



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

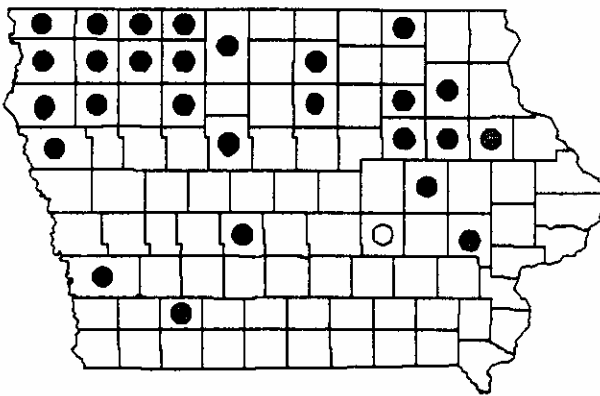
186

Crossline Skipper Polites origenes



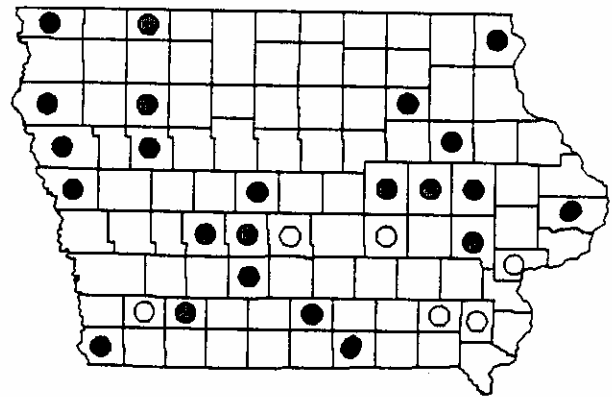
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

187 Long Dash Polites mystic



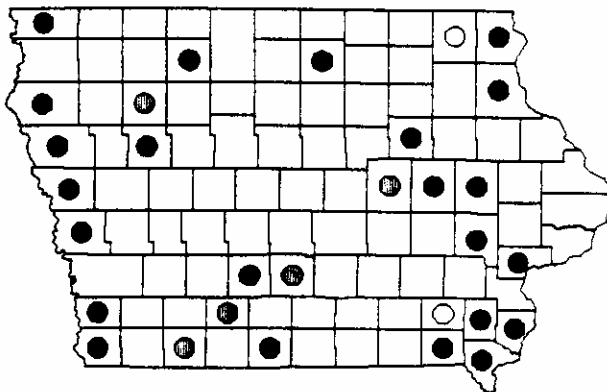
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

191 Northern Broken-Dash Wallengrenia egeremet



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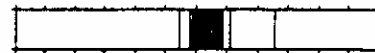
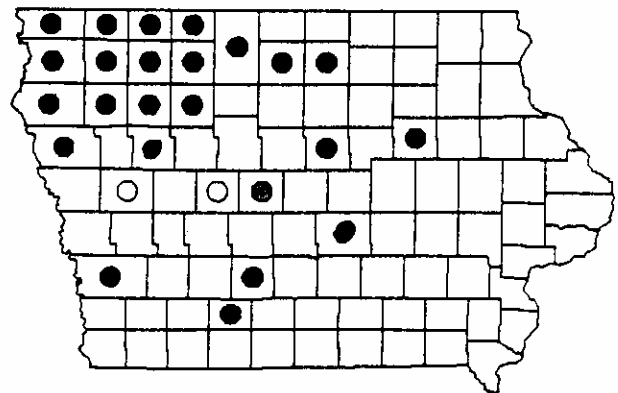
192 Little Glassywing Pompeius verna



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193

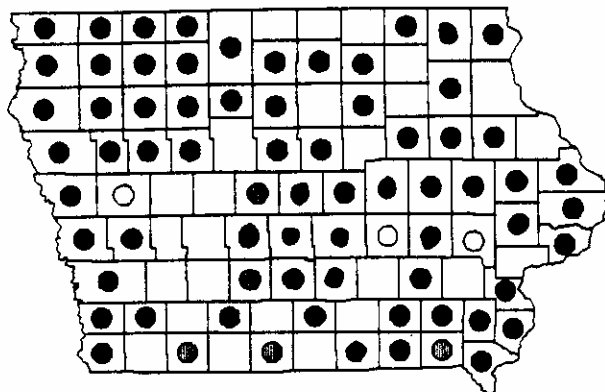
Arogos Skipper Atrytone arogos



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194

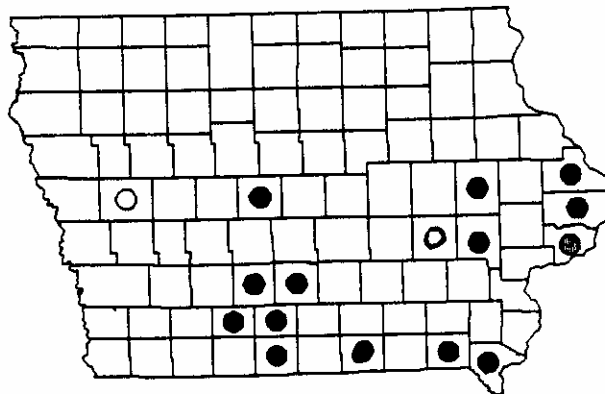
Delaware Skipper Anatrytone logan



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196

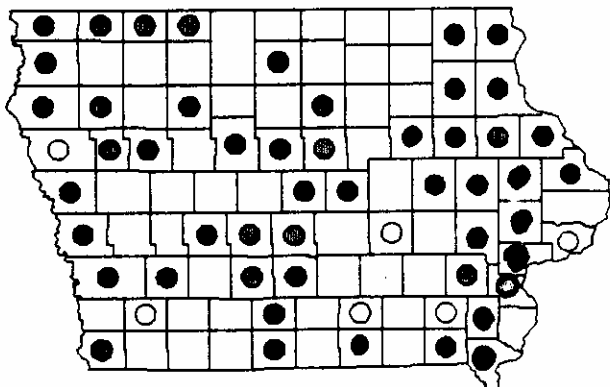
Byssus Skipper Problema byssus



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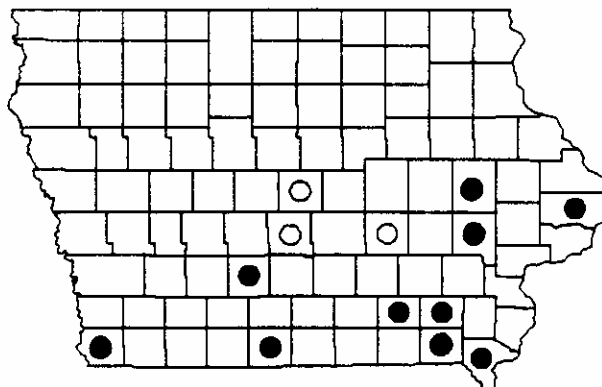
Hobomok Skipper Poanes hobomok



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202

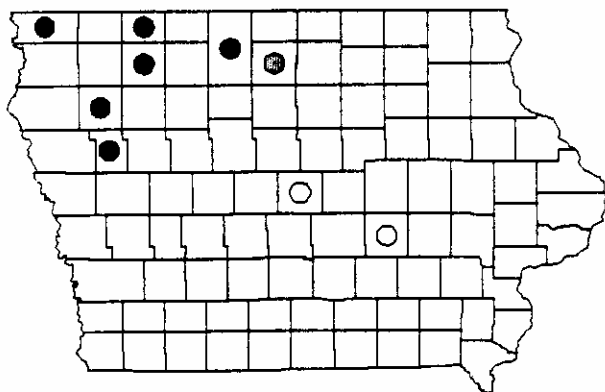
Zabulon Skipper Poanes zabulon



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205

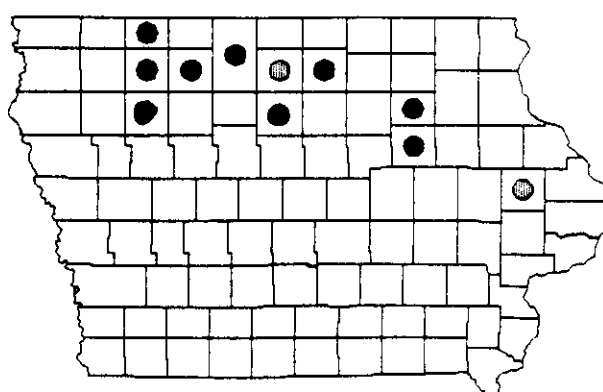
Mulberry Wing Poanes massasoit



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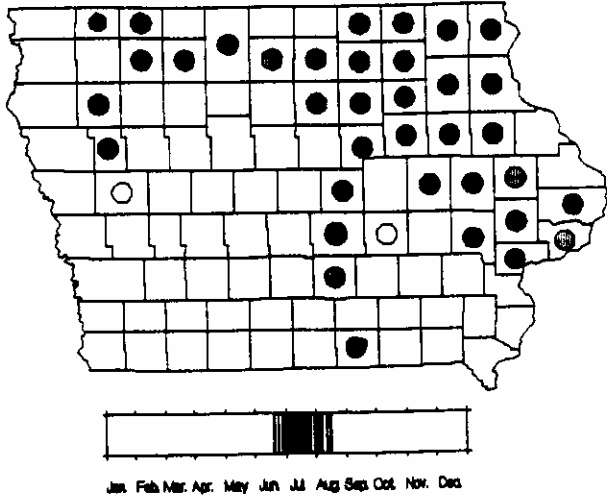
206

Broad-winged Skipper Poanes viator

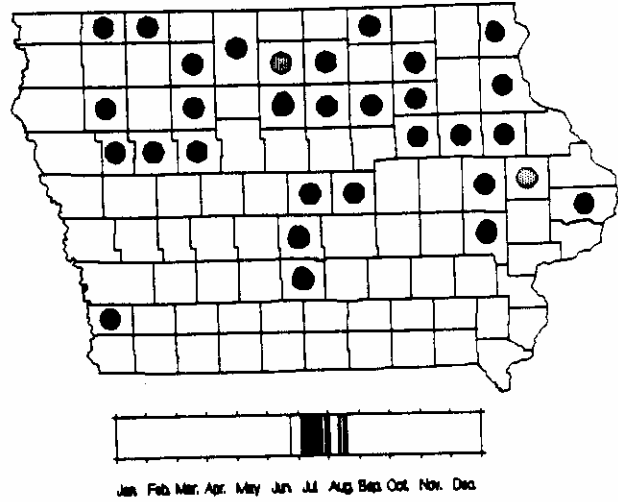


Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

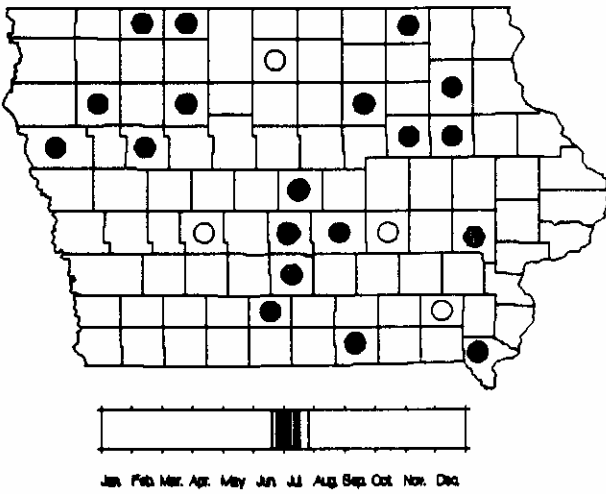
212 Black Dash Euphyes conspicua



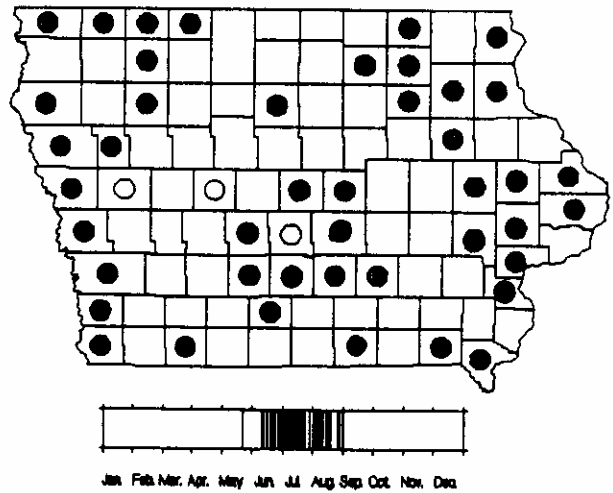
214 Dion Skipper Euphyes dion



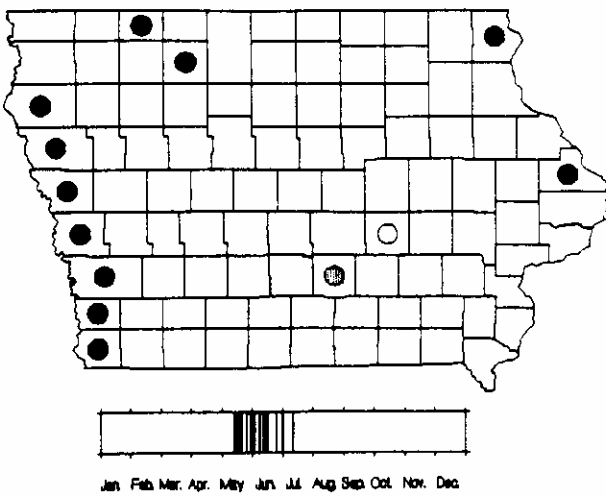
217 Two-spotted Skipper Euphyes bimaculata



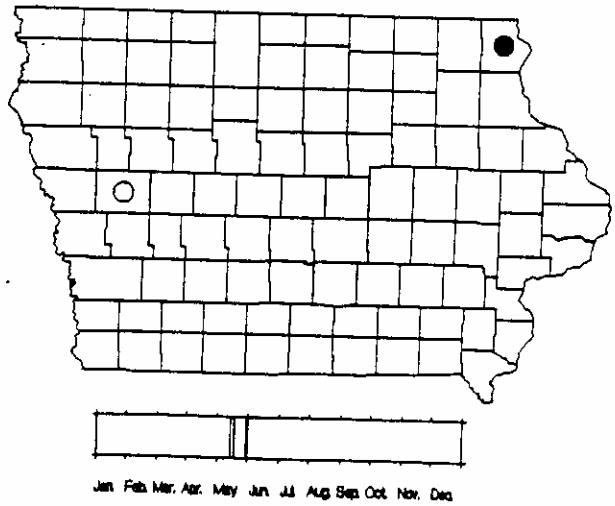
219 Dun Skipper Euphyes vestris



221 Dusted Skipper Atrytonopsis hianna

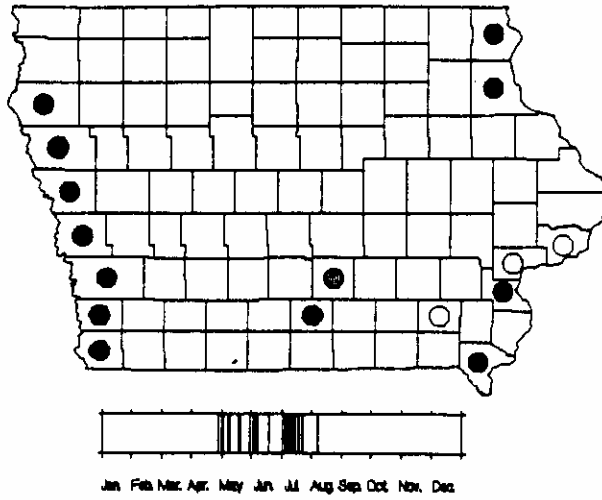


236 Pepper and Salt Skipper Amblyscirtes hegor



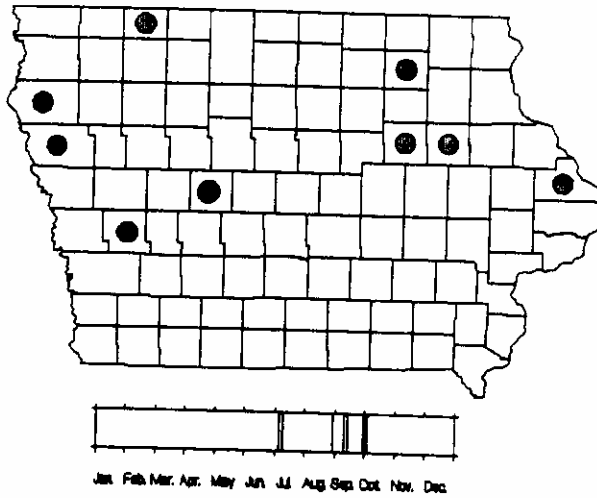
244

Common Roadside-Skipper Amblyscirtes vialis



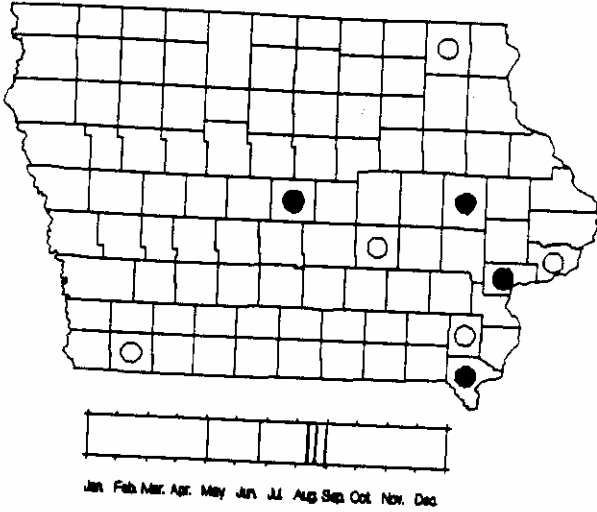
252

Eufala Skipper Lerodea eufala

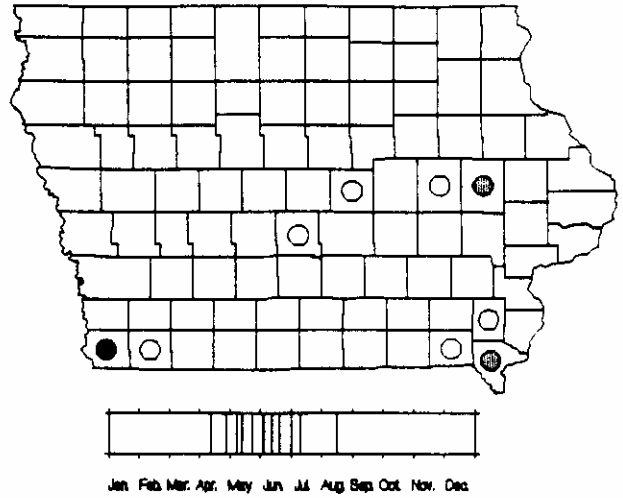


SWALLOWTAILS Family Papilionidae

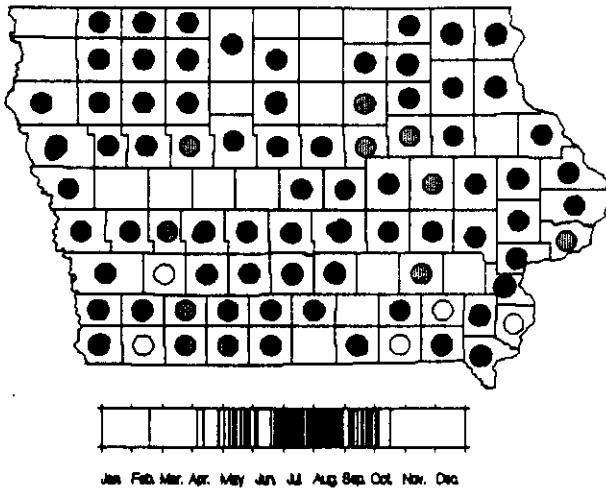
285 Pipevine Swallowtail Battus philenor



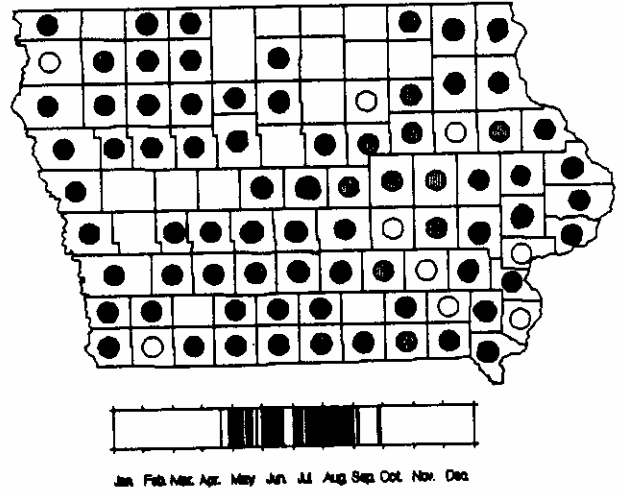
289 Zebra Swallowtail Eurytides marcellus



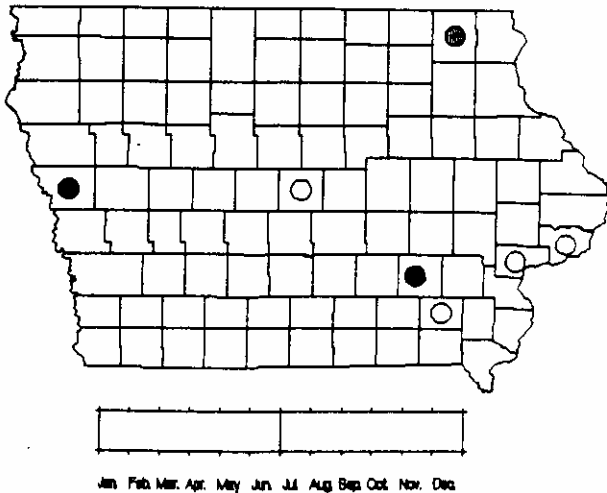
294 Black Swallowtail Papilio polyxenes



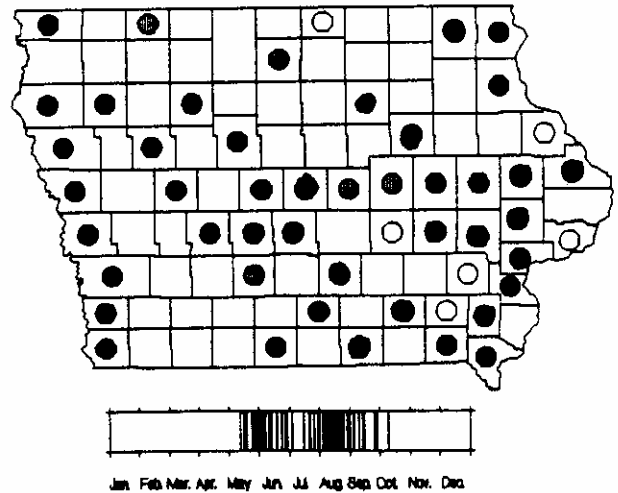
297 Eastern Tiger Swallowtail Papilio glaucus



303 Spicebush Swallowtail Papilio troilus

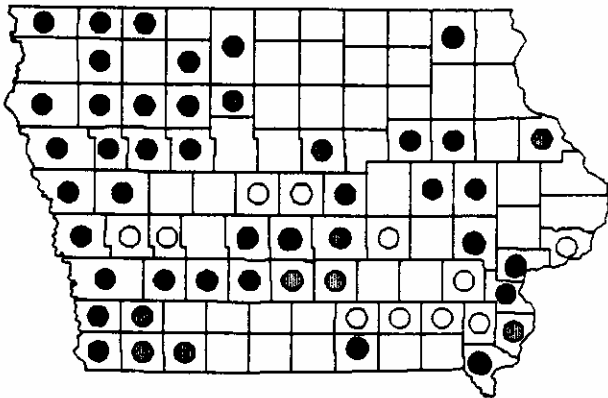


308 Giant Swallowtail Papilio cressfontes



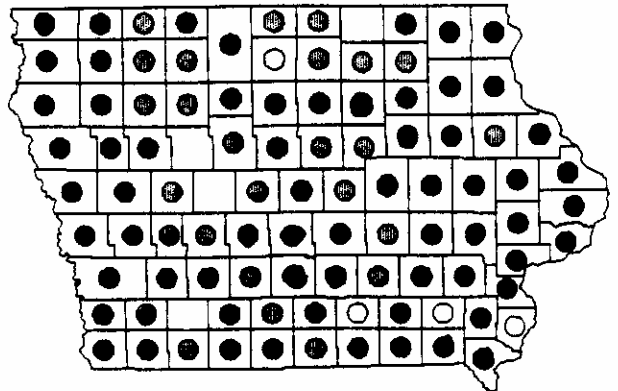
WHITES AND SULPHURS Family Peiridae

323 Checkered White Pontia protodice



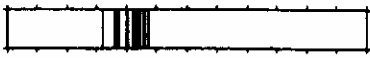
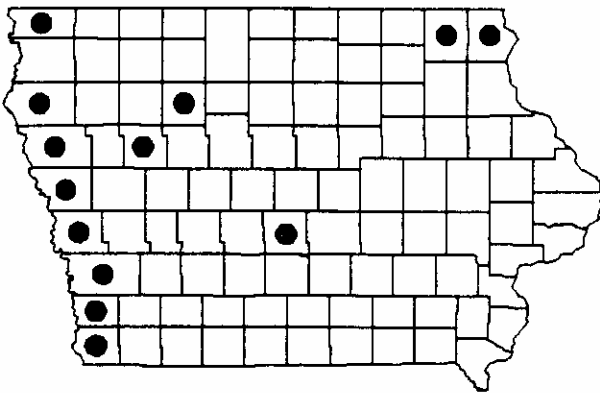
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326 Cabbage White Pieris rapae



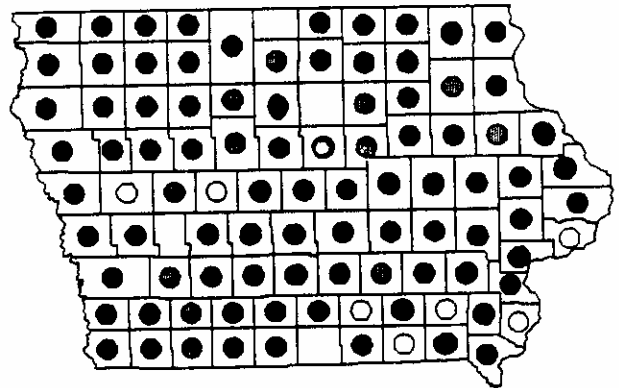
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

337 Olympia Marble Euchloe olympia



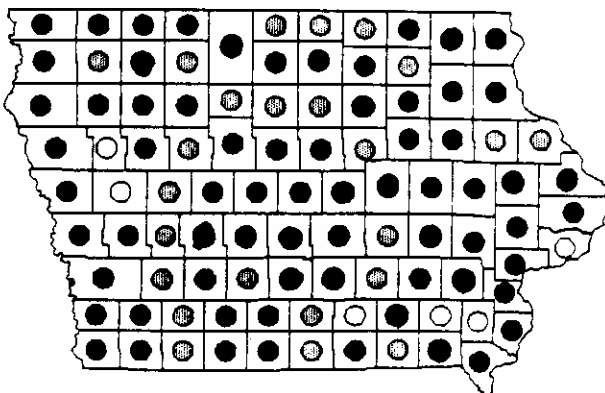
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348 Clouded Sulphur Colias philodice



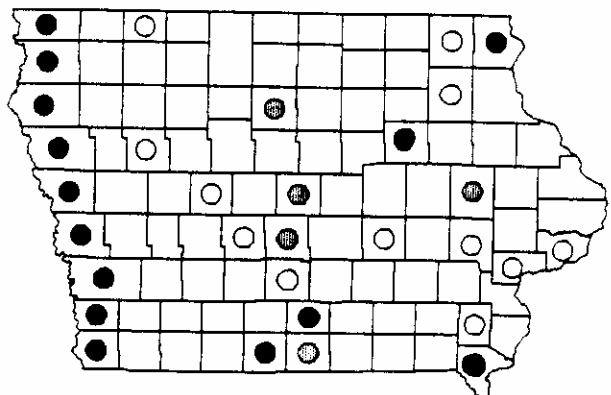
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349 Orange Sulphur Colias eurytheme



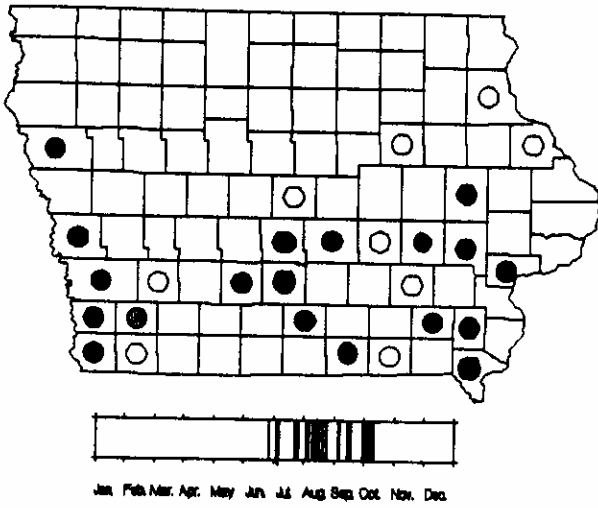
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

366 Southern Dogface Colias cesonia

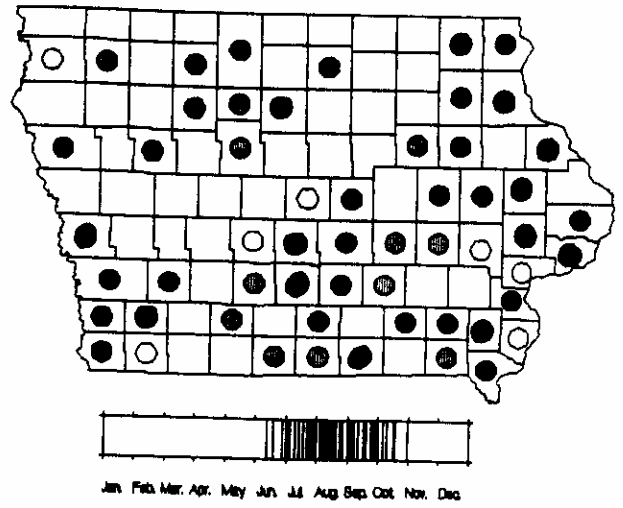


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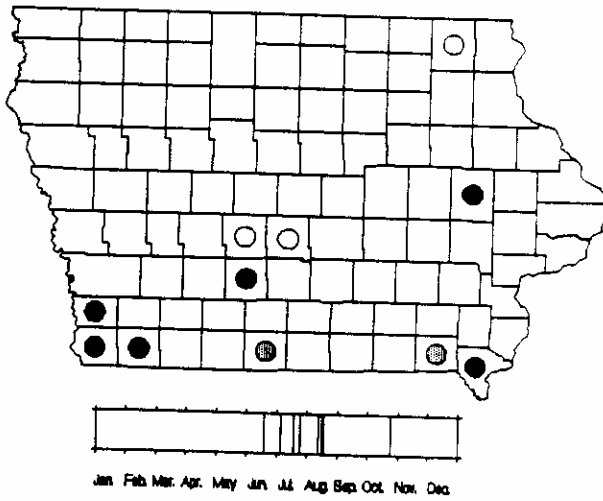
370 Cloudless Sulphur Phoebis sennae



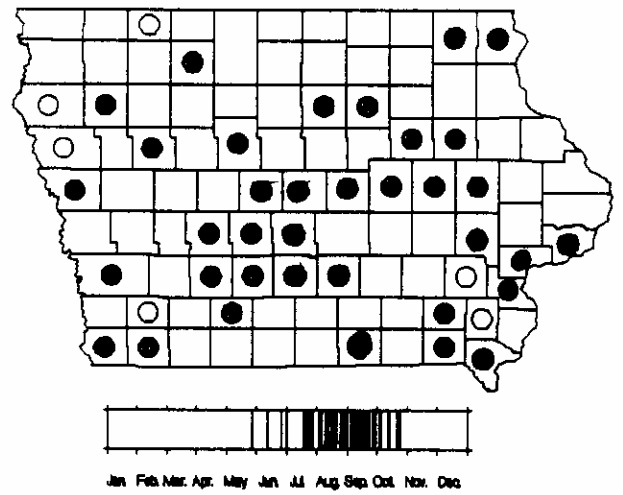
385 Little Yellow Eurema lisa



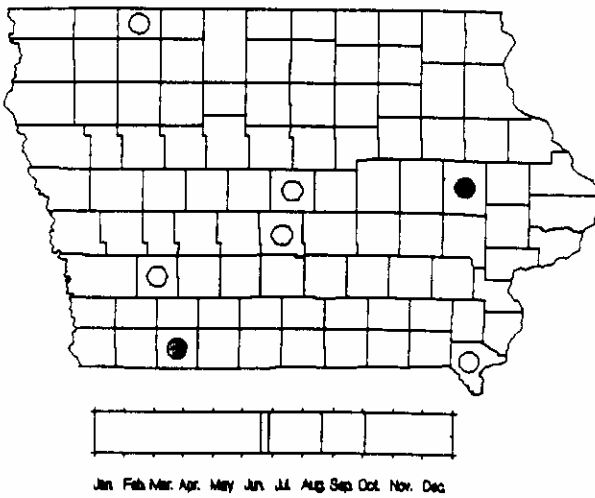
388 Sleepy Orange Eurema nicippe



389 Dainty Sulphur Nathalis iole



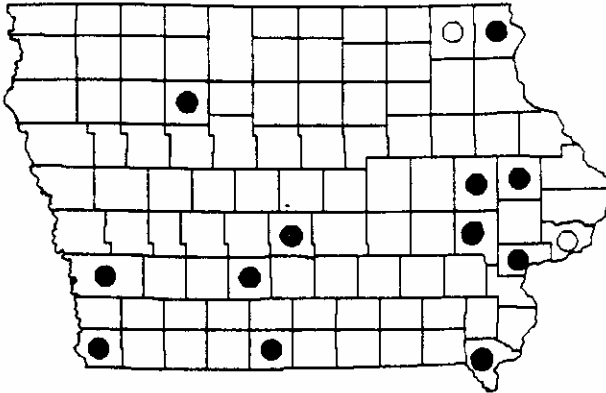
380.5 Mexican Yellow Eurema mexicana



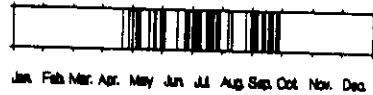
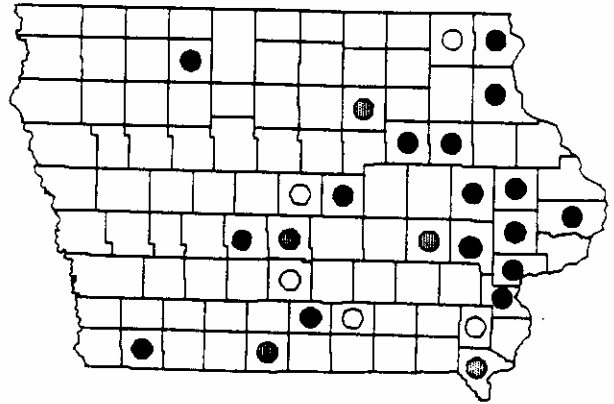


GOSSAMER-WING BUTTERFLIES Family Lycaenidae

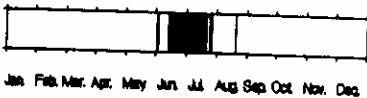
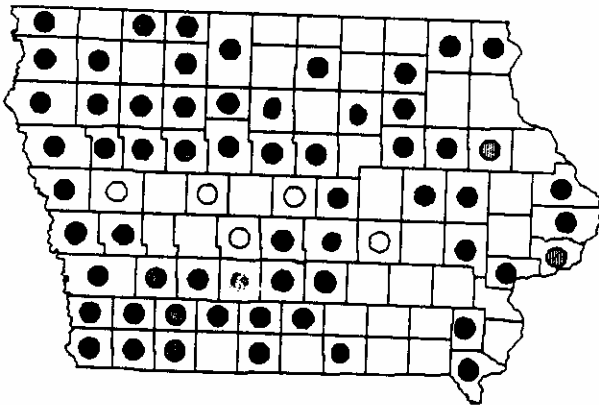
390 Harvester Feniseca tarquinius



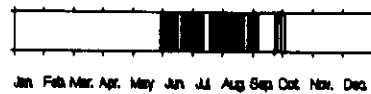
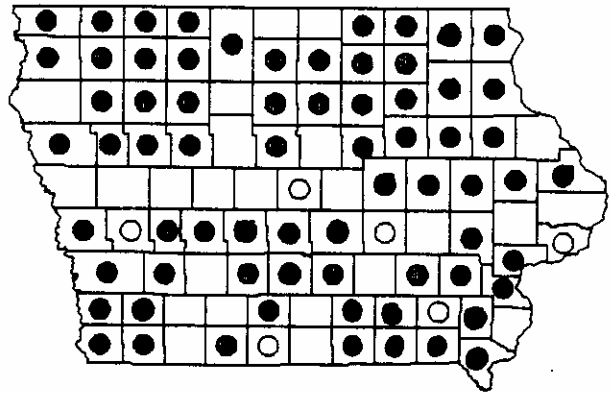
392 American Copper Lycaena phlaeas



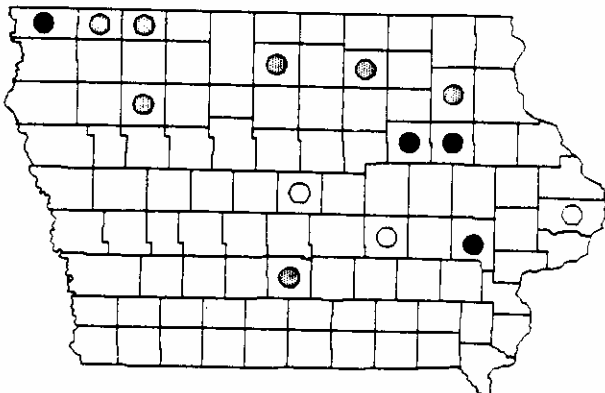
395 Gray Copper Lycaena dione



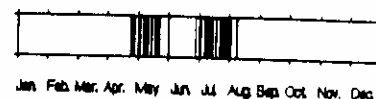
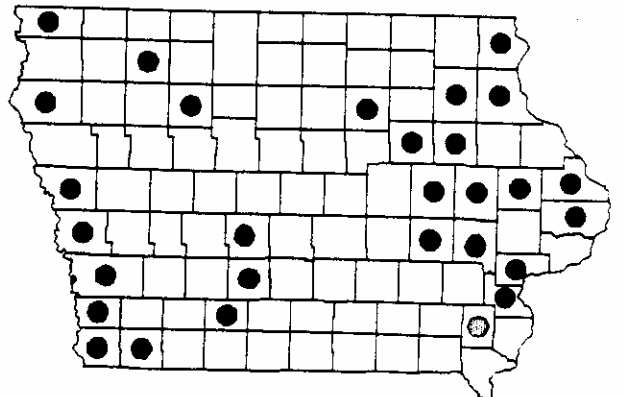
398 Bronze Copper Lycaena hyllus



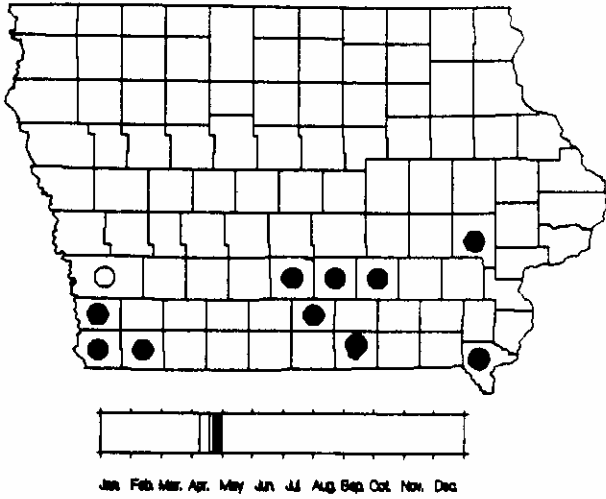
403 Purplish Copper Lycaena helloides



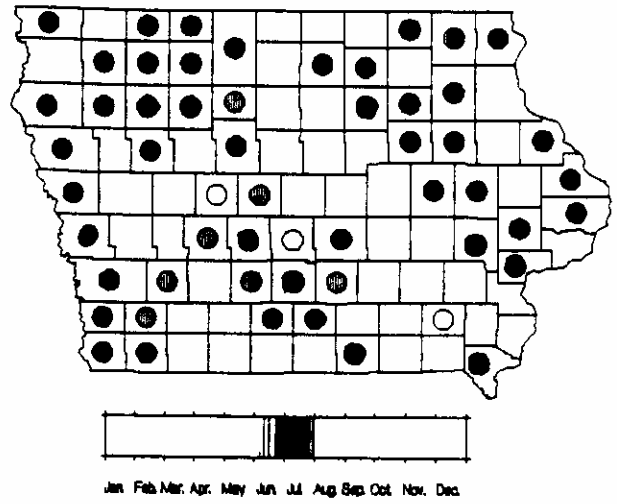
422 Juniper Hairstreak Callophrys gryneus



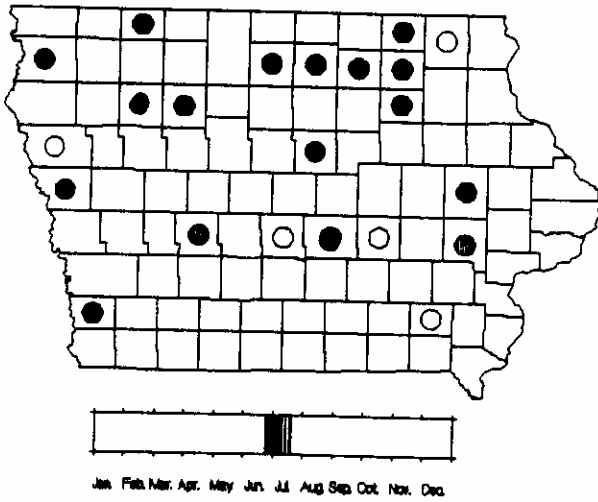
432 Henry's Elfin Callophrys henrici



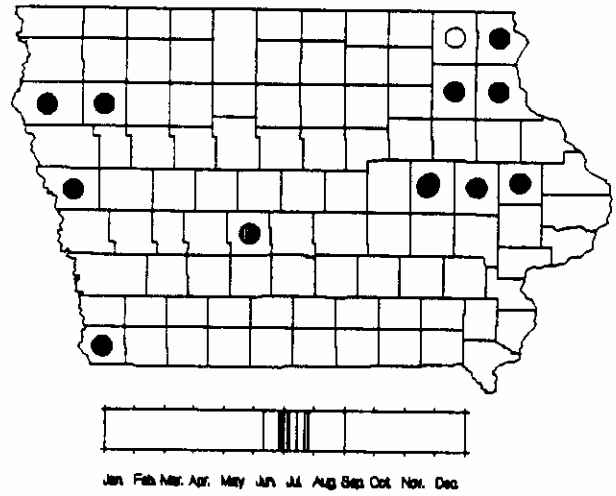
445 Coral Hairstreak Satyrium titus



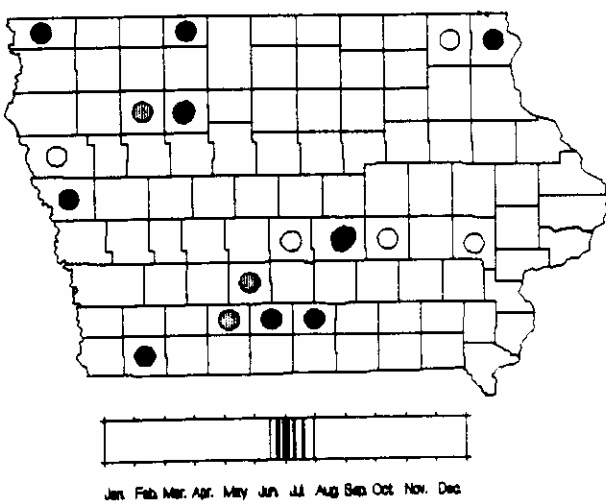
446 Acadian Hairstreak Satyrium acadica



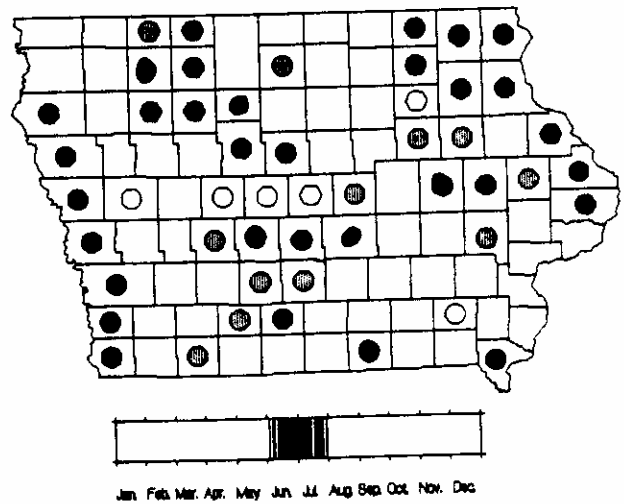
449 Hickory Hairstreak Satyrium caryaevorum



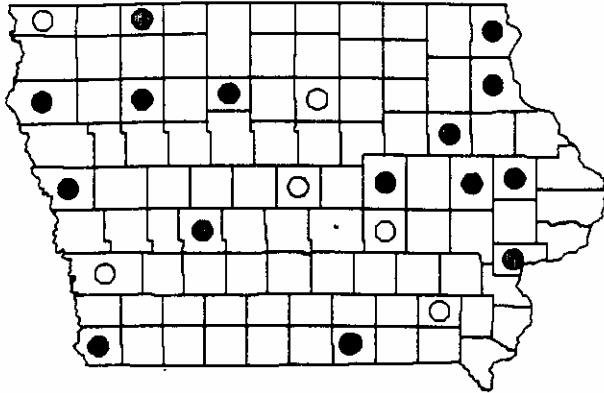
450 Edwards' Hairstreak Satyrium edwardsii



451 Banded Hairstreak Satyrium calanus

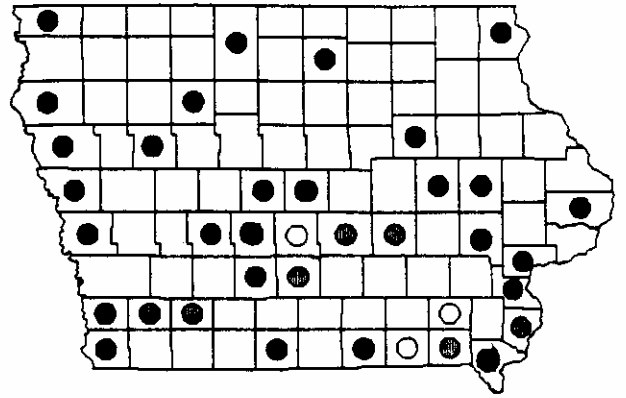


453 Striped Hairstreak Satyrium liparops



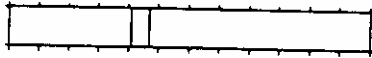
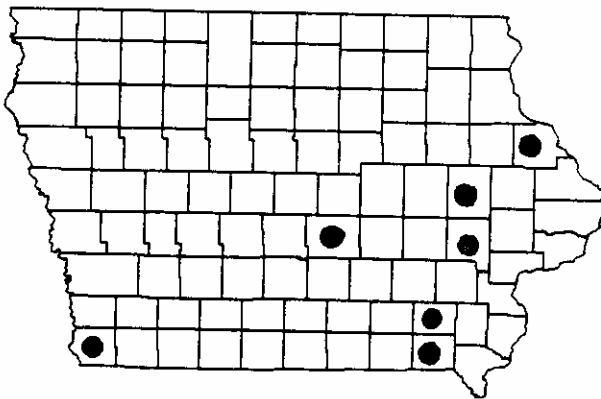
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470 Gray Hairstreak Strymon melinus



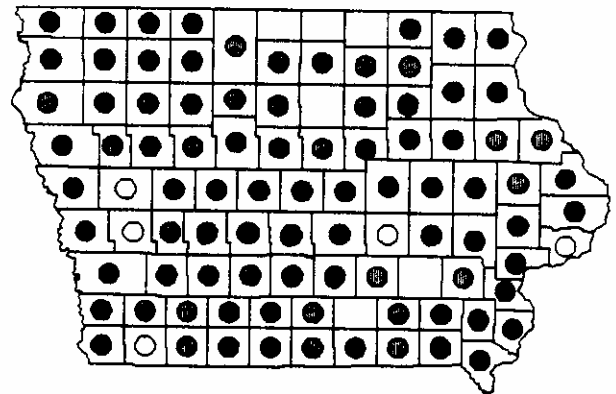
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

490 White M Hairstreak Parrhasius m-album



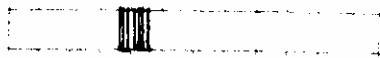
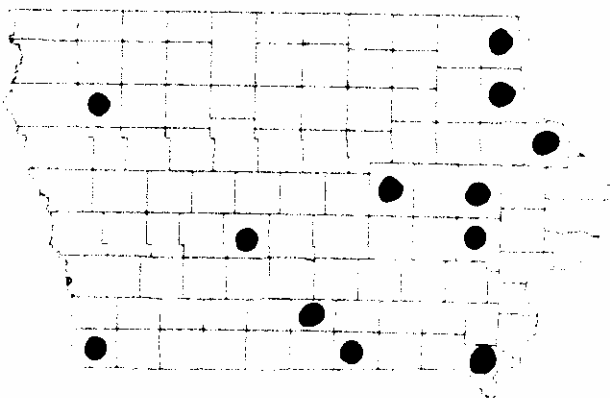
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

499 Eastern Tailed-Blue Everes comyntas



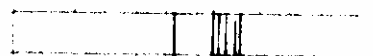
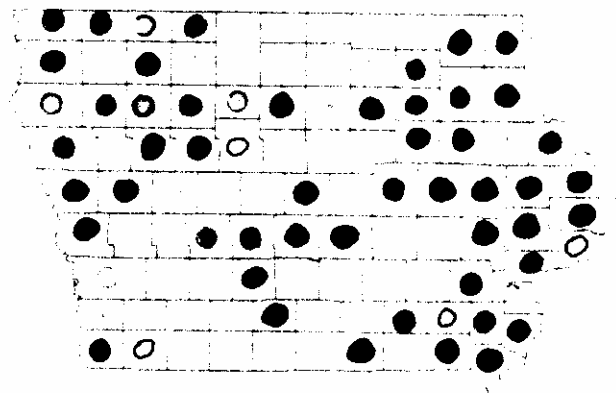
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501 Spring Azure Celastrina ladon



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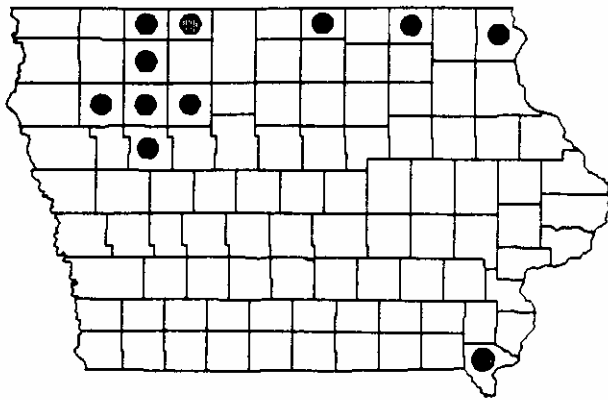
503 Summer Azure Celastrina neglecta



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510

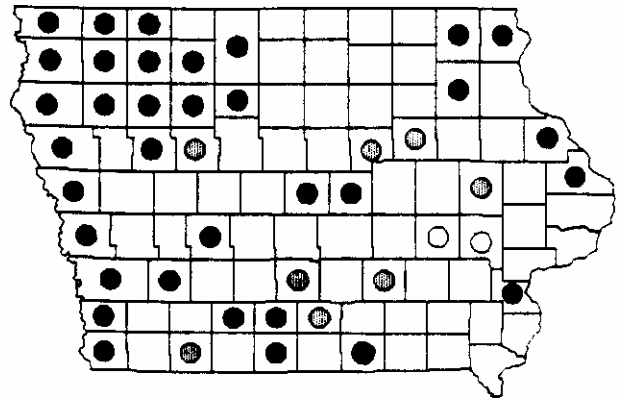
Silvery Blue Glaucopsyche lygdamus



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526

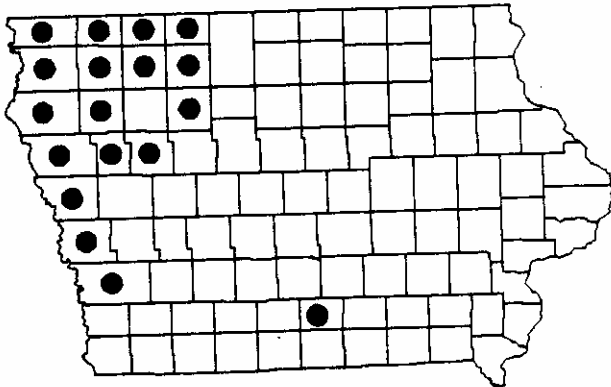
Reakirt's Blue Echinargus isola



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531

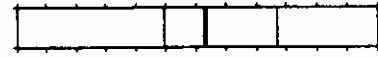
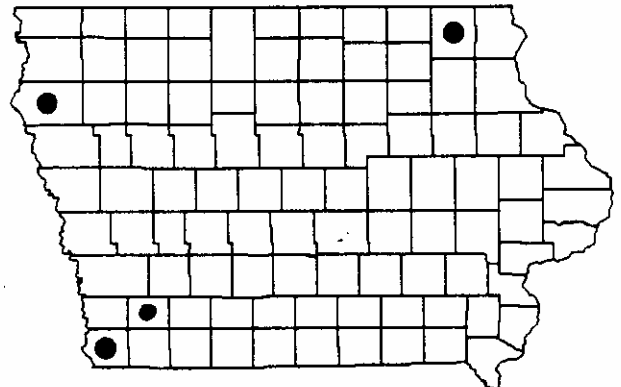
Melissa Blue Lycaeides melissa



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495

Marine Blue Leptotes marina

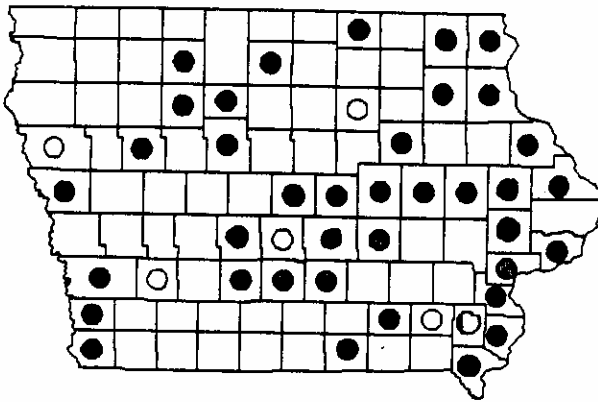


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BRUSHFOOTED BUTTERFLIES Family Nymphalidae

571

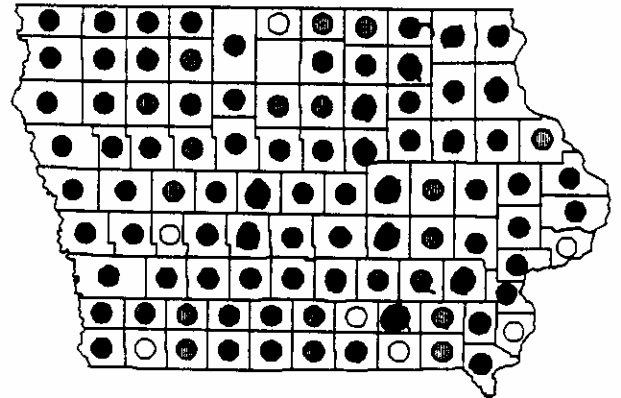
American Snout Libytheana carinenta



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573

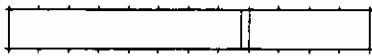
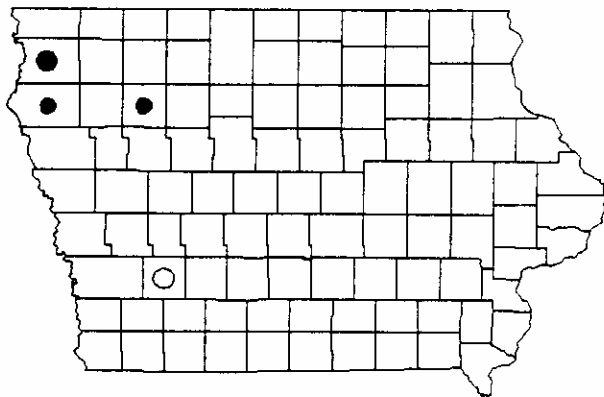
Monarch Danaus plexippus



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574

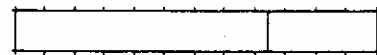
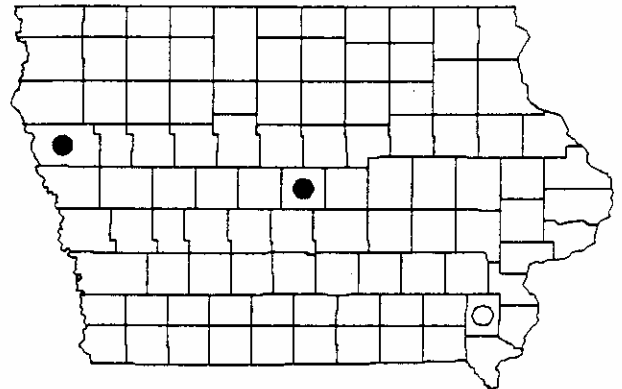
Queen Danaus gilippus



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579

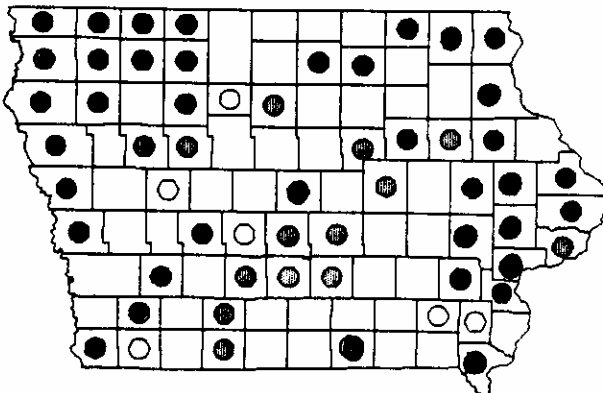
Gulf Fritillary Agraulis vanillae



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585

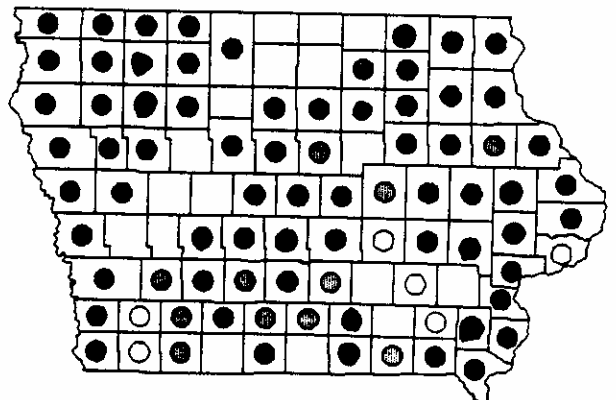
Variegated Fritillary Euptoieta claudia



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588

Great Spangled Fritillary Speyeria cybele



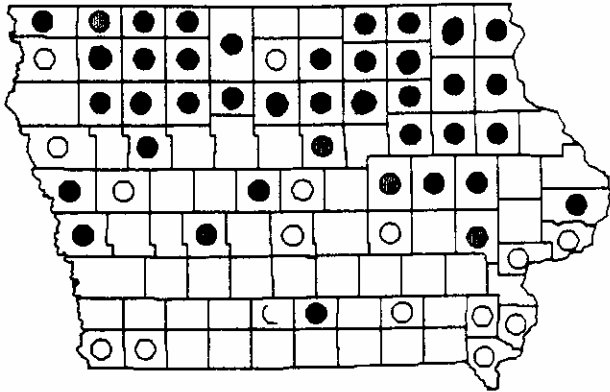
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589

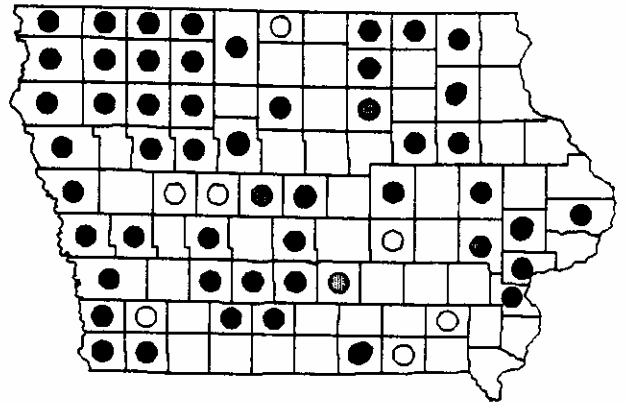
Aphrodite Fritillary Speyeria aphrodite

590

Regal Fritillary Speyeria idalia



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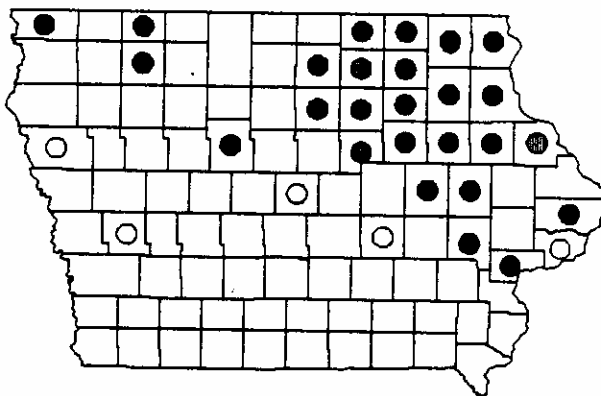


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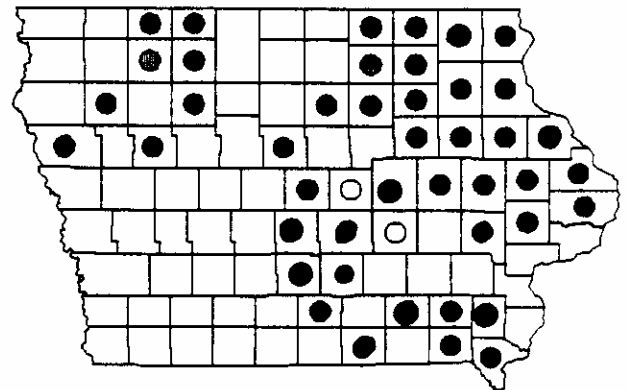
605 Silver-bordered Fritillary Boloria selene

606

Meadow Fritillary Boloria bellona



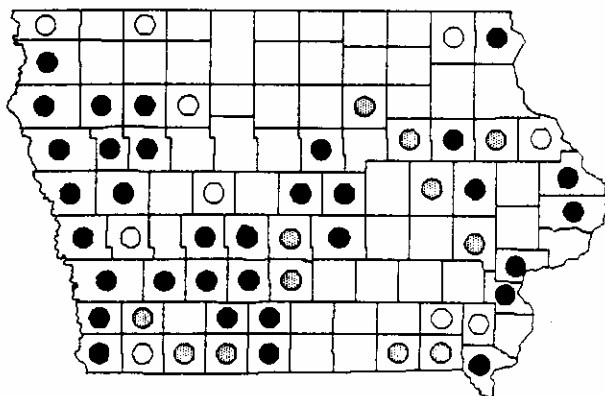
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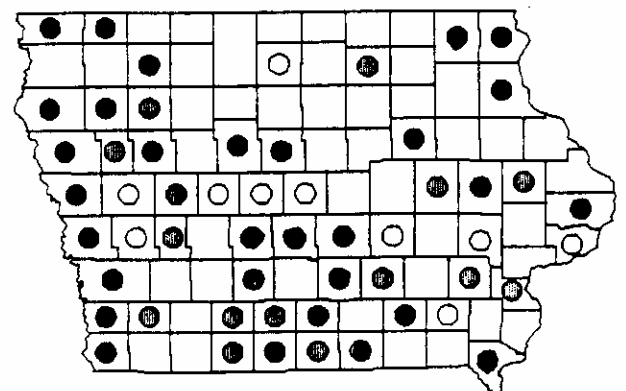
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631 Gorgone Checkerspot Chlosyne gorgone

632 Silvery Checkerspot Chlosyne nycteis

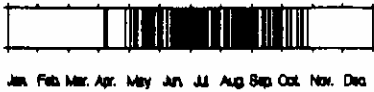
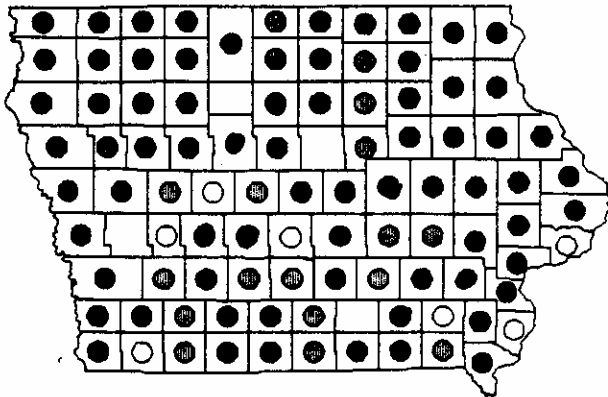


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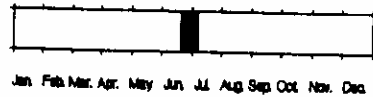
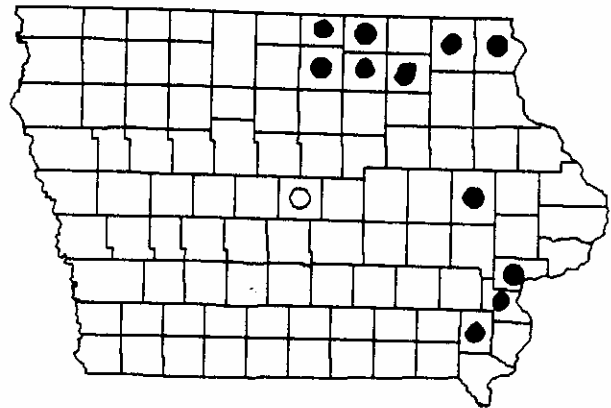


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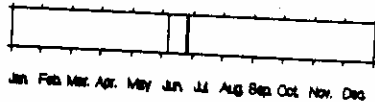
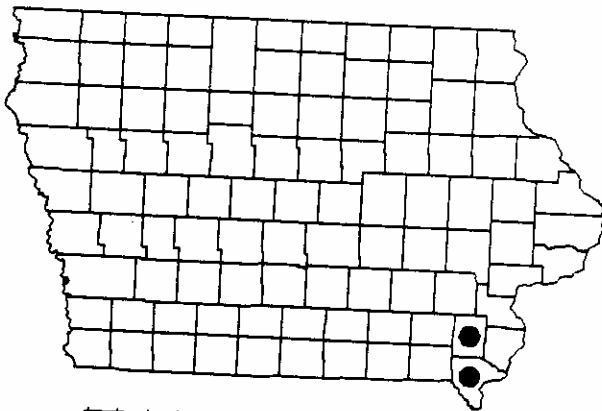
648 Pearl Crescent Phyciodes tharos



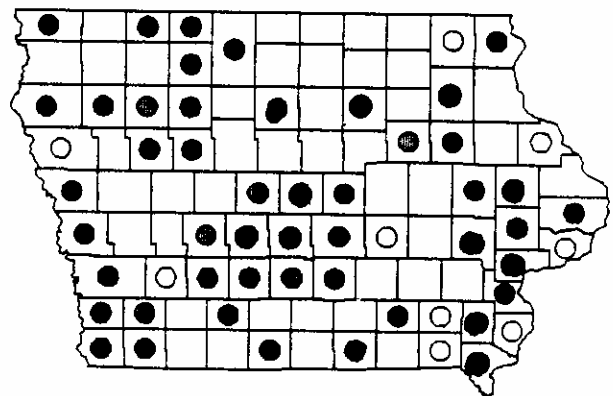
659a Baltimore Checkerspot Euphydryas phaeton



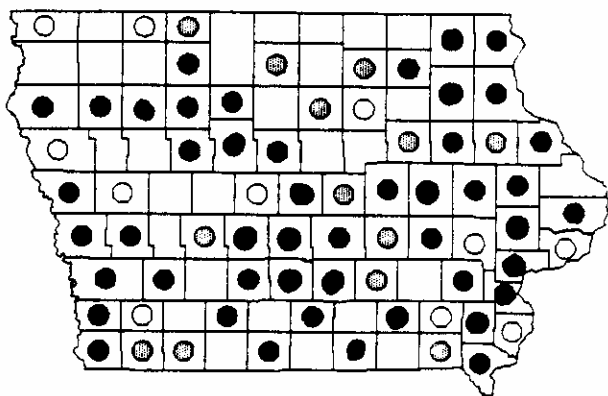
659b "Ozark" Baltimore Checkerspot Euphydryas phaeton ozarkae



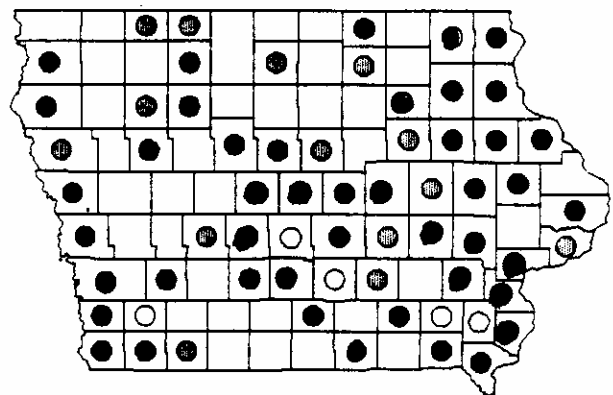
664 Buckeye Junonia coenia



672 Question Mark Polygonia interrogationis

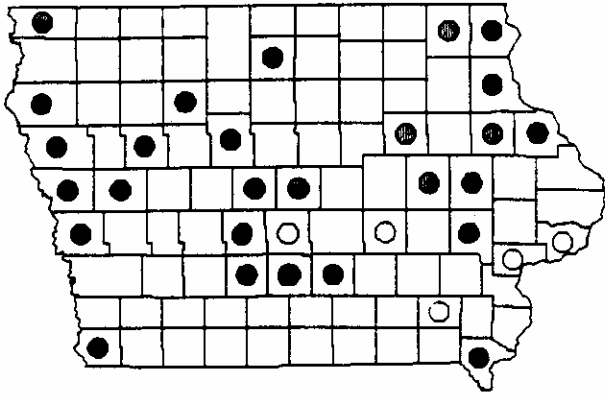


673 Eastern Comma Polygonia comma



677

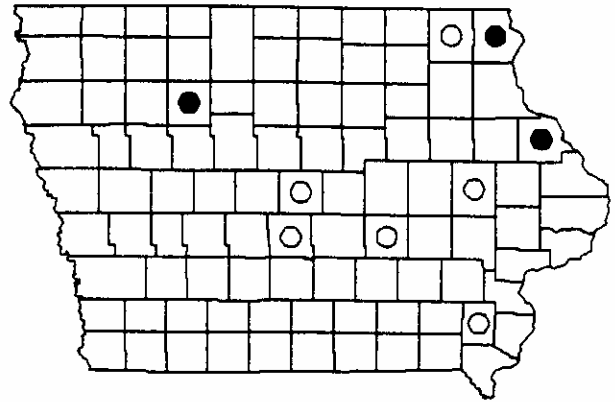
Gray Comma Polygona progné



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679

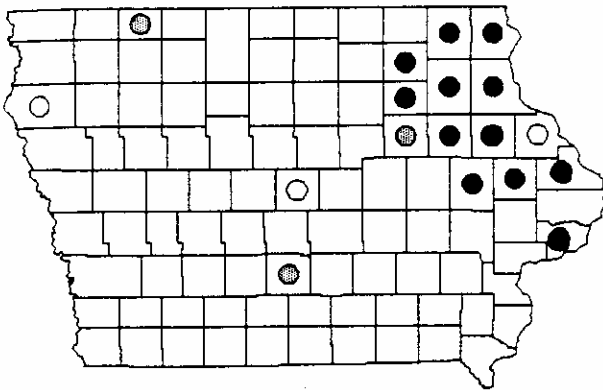
Compton Tortoiseshell Roddia vaualbum



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680

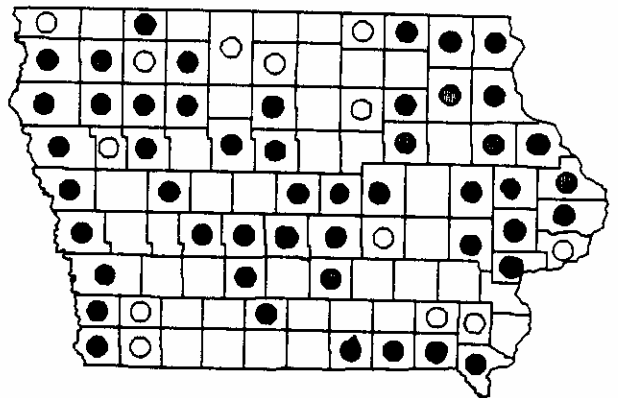
Milbert's Tortoiseshell Aglais milberti



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682

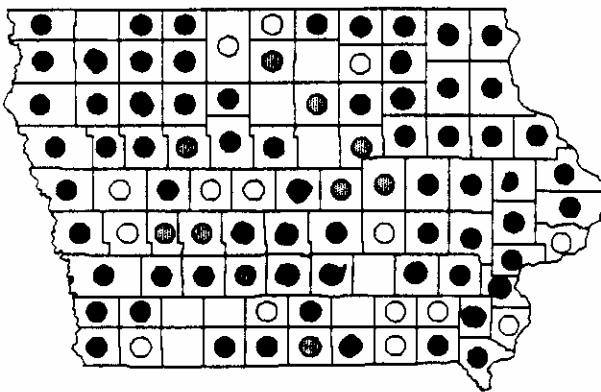
Mourning Cloak Nymphalis antiopa



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684

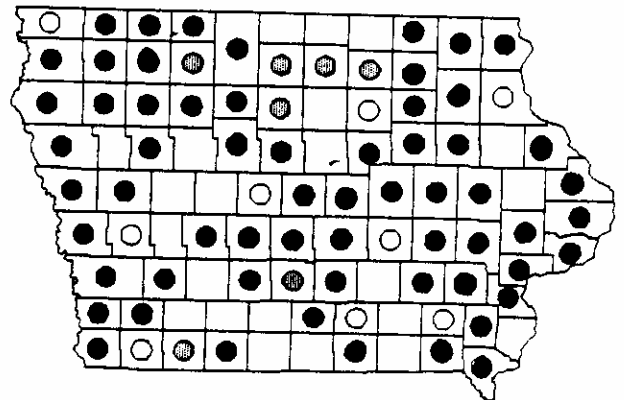
Red Admiral Vanessa atalanta



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685

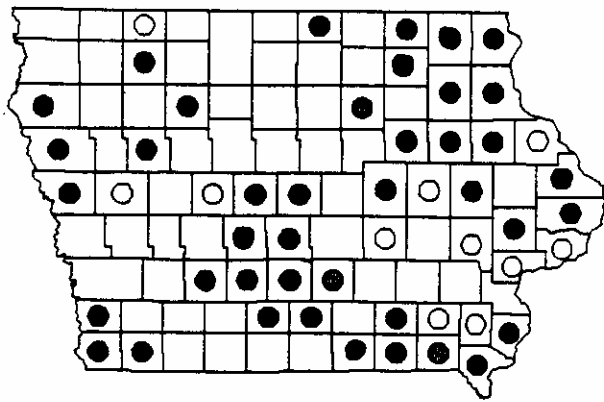
Painted Lady Vanessa cardui



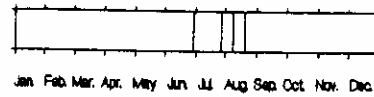
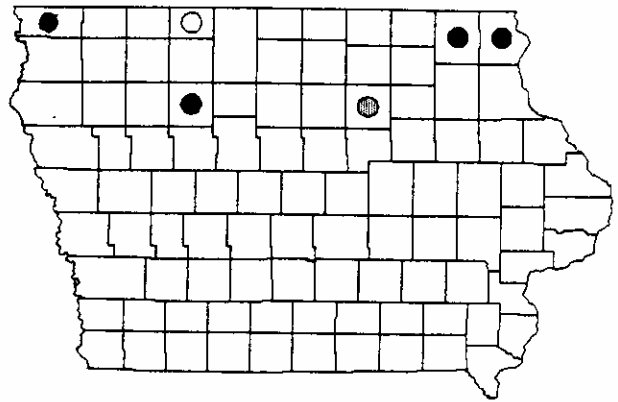
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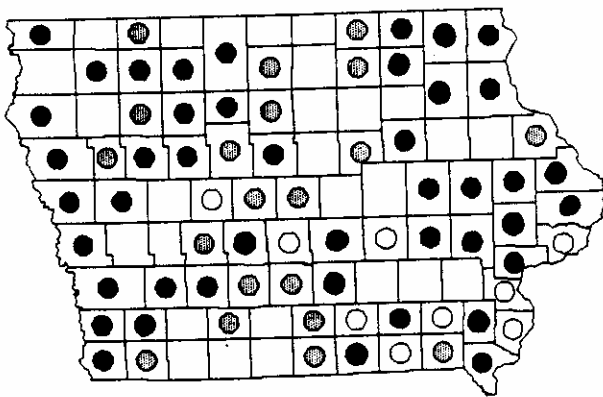
687 American Lady Vanessa virginiensis



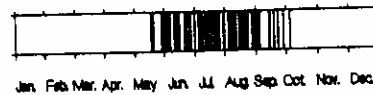
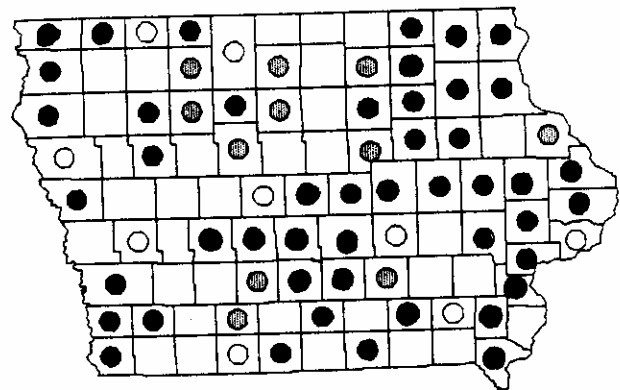
692a White Admiral Limenitis arthemis



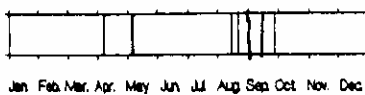
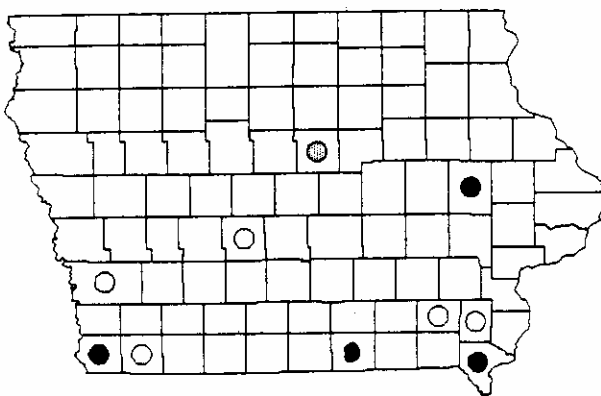
692b Red-spotted Purple Limenitis arthemis astyanax



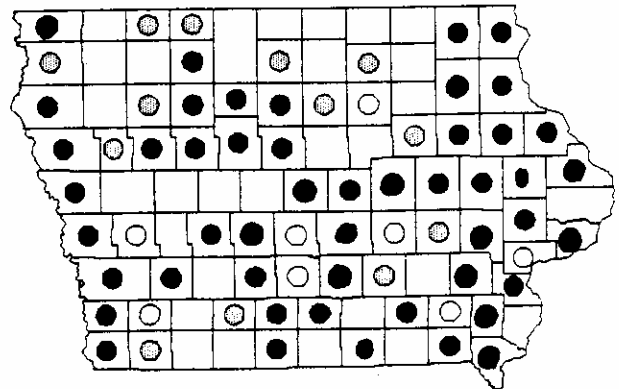
693 Viceroy Limenitis archippus



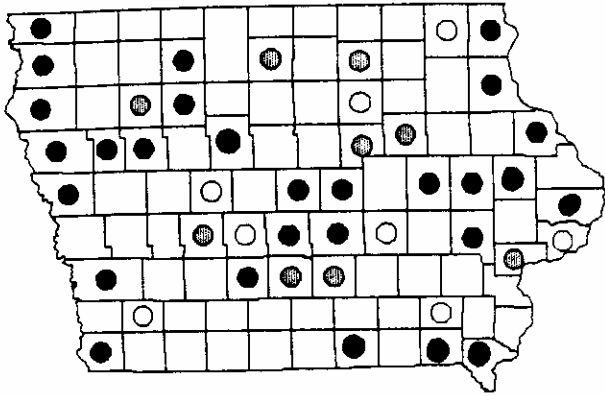
722 Goatweed Leafwing Anaea andria



726 Hackberry Emperor Asterocampa celtis

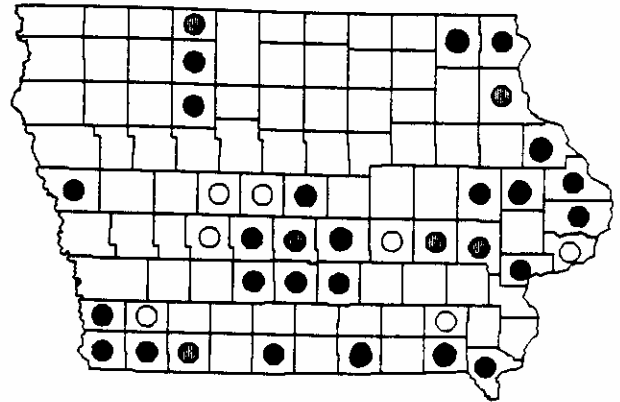


728

Tawny Emperor Asterocampa clyton

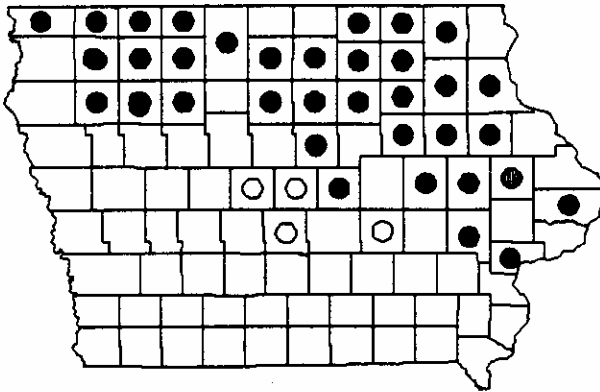
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734

Northern Pearly-eye Enodia anhedon

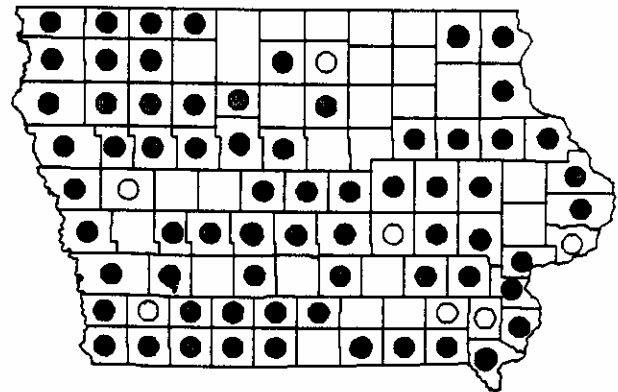
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736

Eyed Brown Satyrodes eurydice

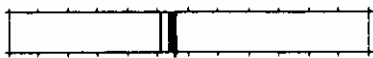
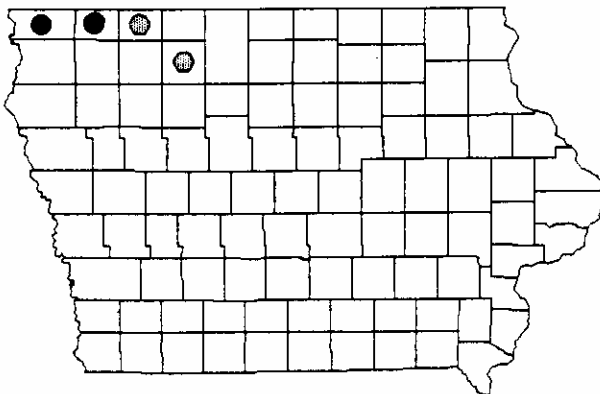
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745

Little Wood-Satyr Megisto cymela

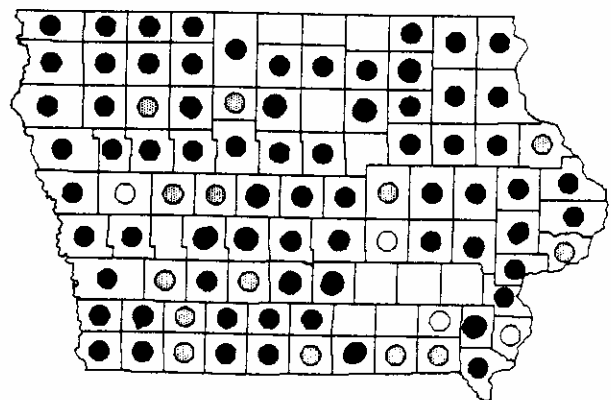
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Common Ringlet Coenonympha tullia

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750

Common Wood-Nymph Cercyonis pegala

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Names, numbers and order from;

Opler and Warren, 2003. *Butterflies of North America*. 2. *Scientific Names for Butterfly Species of North America, north of Mexico*. 82pp.

Brock and Kaufman, 2003. *Butterflies of North America*, Kaufman Focus Guides, 284pp.