

1986

An Annotated List of the Butterflies of Kansas

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AN ANNOTATED LIST
OF THE
BUTTERFLIES OF KANSAS

By

Charles A. Ely, Marvin D. Schwilling, and Marvin E. Rolfs



Fort Hays State University is located on the eastern margin of the High Plains, an area of one of the most complete sections of late cretaceous rocks in North America. The terrain of the Fort Hays region is not that of the forests to the east nor of the mountains to the west. It is High Plains country, a land where gently flowing grasslands and golden fields of grain meet high blue sky. **Fort Hays Studies** encourages research by faculty, students, alumni, and other individuals associated with the University by providing an international series for the publication of scholarship. The *Fort Hays Studies Series* is the physical manifestation of this encouragement.

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INTRODUCTION

This provisional list summarizes the information currently available on the distribution of the butterflies of Kansas. Presently, this information is widely scattered in the literature and numerous collections and is not readily available to many interested parties. The accompanying maps also demonstrate the many gaps in our present information and will hopefully stimulate further collecting and the production of a more complete list in the near future.

This paper is based primarily on collections made by the authors during an intensive statewide survey begun in 1979. It is organized around the "county record," usually a voucher specimen housed at Fort Hays State University. These 4975 voucher specimens (1 specimen/species/county) are mapped as solid circles. Where FHSU voucher specimens are lacking we use literature records (usually, only the earliest), reports from other collectors and specimens in public and private collections. Some 571 such records are mapped as open circles and each is cited in the text. Only one record per county is given except for rare and unusual species. However, additional records are on file at Fort Hays State University. Contributions by other collectors have greatly enhanced the value of this work.

Abbreviations in the text are as follows:

BLG	Bonnie L. Gibbons	KSU	Kansas State University
CAE	Charles A. Ely	MDS	Marvin D. Schwilling
D&VS	Don B. & Viola N. Stallings	MER	Marvin E. Rolfs
DJF	David J. Ferguson	PAO	Paul A. Opler
JDP	June D. Preston	RES	Ray E. Stanford
JKA	James K. Adams	RLH	Ron L. Huber
JOT	John O. Tewell	SWC	Southwestern College
JPF	James P. Fitter	USNM	U.S. Nat. Mus. Nat. Hist.
JRH	J. Richard Heitzman	WHH	William H. Howe

The taxonomy used is that of Miller and Brown (1981) with two exceptions: a detailed analysis of Kansas *Asterocampa* agrees with recent conclusions expressed by Friedlander (pers. comm.); *Hesperia pawnee* Dodge is considered a race of *leonardus*. Although we agree that some other groups are overly "split" at the genus level, we feel that this kind of paper is NOT the place for taxonomic argument. For each species we include the number of counties for which we have specimens (at FHSU) plus the number of additional counties reported in the literature or by other contributors. Brief citations are provided for the latter. Flight periods given are inclusive dates; east refers to all of Kansas west to and including Barber, Russell and Smith counties. We have indicated the number of broods probably occurring in Kansas but have not included dates because of our limited information and the considerable variation in timing of broods among parts of the state and among various years. Each year of

the study was different from the others in significant ways. For example, exotic immigrants of many species were widespread in 1981; much less so in other years. The collecting season may vary by a month or more in either direction in successive years; about 1 May - 31 October 1984 and 3 April - 30 September 1985 (Lyon Co., MDS). At the species level this variation was even more dramatic as is sometimes indicated in the text. General habitat statements are from the literature, field experience and data supplied by contributors. Specific habitat preferences and densities are not included in this paper. The listings of food plants (genera only) are from the literature, primarily Field (1940c) and Pyle (1981) and from data provided by cooperators.

This work would not have been possible without the efforts and contributions of numerous people. We are especially indebted to the following who assisted in the collecting of specimens during one or more seasons: Jeri Cannon, Tom Cannon, Max Cowley, Mike Dwyer, Guy Ernsting, Shelley Ernsting, Tom Flowers, Charles Hall, Jeremy Kuhn, Eugene Lewis, Eulalia Lewis, Ren Lohofener, Doug Neufeld, Jim Ptacek, Mike Stearns, Bill Stark, Peggy Svoboda, Joe Tomelleri, Tim Wagner, Barbara Werner, Dennis Zehr.

Equally important was the active support, advice and cooperation of other lepidopterists. William H. Howe was especially helpful at the onset of the project. J.R. Heitzman and Ray E. Stanford donated their time to confirm or identify specimens of difficult groups and all of our problem specimens. Additional voucher specimens were contributed by June Preston, Jeremy Kuhn and John Tewell. Ron Huber, William McGuire, Floyd Preston, June Preston, Don Stallings and John Tewell contributed data, made helpful suggestions and shared their experience and knowledge of Kansas butterflies. Curators George Byers (KU), Dr. H.D. Blocker (KSU), and Max Thompson (SWC) provided access to specimens under their care.

Partial funding was received from Fort Hays State University in the form of Summer Salary Research Funds and small grants from the Graduate Council (CAE). The Kansas Fish and Game Commission (Nongame Program) provided some salary and travel (MDS). Dr. Eugene D. Fleharty, Chairman of the Department of Biology, was especially supportive of the project in many ways. Additional support, in the form of equipment, was provided by the Museum of the High Plains, Dr. Jerry R. Choate, Director. Charlotte Shippy and Sandra K. Tyson typed the manuscript. We are indebted to numerous other persons who assisted in small but important ways and especially to landowners who granted (and often encouraged) access to their properties.

Funds for publication were generously provided by the Fort Hays Studies Committee, Fort Hays State University.

LIST OF BUTTERFLIES OF KANSAS

HESPERIIDAE

- 1) *Epargyreus clarus* (Cramer) 1775. Silver-spotted Skipper
- 2) *Urbanus proteus* (Linnaeus) 1758. Long-tailed Skipper
- 3) *Achalarus lyciades* (Geyer) 1832. Hoary-edged Skipper
- 4) *Thorybes bathyllus* (J.E. Smith) 1797. Southern Cloudywing
- 5) *Thorybes pylades* (Scudder) 1870. Northern Cloudywing
- 6) *Thorybes confusus* Bell 1922. Confused Cloudywing
- 7) *Staphylus hayhurstii* (W.H. Edwards) 1870. Scalloped Sootywing
- 8) *Achlyodes thraso* (Hubner) 1807. Sickle-winged Skipper
- 9) *Grails stigmaticus* (Mabille) 1883. Stigmatic Duskywing
- 10) *Chiomara asychis* (Stoll) 1780. Asych's Skipper
- 11) *Erynnis brizo* (Boisduval & Le Conte) 1834. Sleepy Duskywing
- 12) *Erynnis juvenalis* (Fabricius) 1793. Juvenal Duskywing
- 13) *Eyrnnis horatius* (Scudder & Burgess) 1870. Horace's Duskywing
- 14) *Erynnis martialis* (Scudder) 1869. Mottled Duskywing
- 15) *Erynnis funeralis* (Scudder & Burgess) 1870. Funeral Duskywing
- 16) *Erynnis lucilius* (Scudder & Burgess) 1870. Columbine Duskywing
- 17) *Erynnis baptisiae* (Forbes) 1936. Baptisia Duskywing
- 18) *Erynnis afranius* (Lintner) 1876. Afranius Duskywing
- 19) *Erynnis persius* (Scudder) 1863. Persius Duskywing
- 20) *Pyrgus communis* (Grote) 1872. Checkered Skipper
- 21) *Pholisora catullus* (Fabricius) 1793. Common Sootywing
- 22) *Piruna pirus* (W.H. Edwards) 1878. Pirus Skipperling
- 23) *Nastra lherminier* (Latreille) 1824. Swarthy Skipper
- 24) *Ancyloxypha numitor* (Fabricius) 1793. Eastern Least Skipper
- 25) *Copaodes aurantiaca* (Hewitson) 1868. Orange Skipperling
- 26) *Hylephila phyleus* (Drury) 1773. Fiery Skipper
- 27) *Yvretta rhesus* (W.H. Edwards) 1878. Rhesus Skipper
- 28) *Hesperia uncas* W.H. Edwards 1863. Uncas Skipper
- 29) *Hesperia ottoe* W.H. Edwards 1866. Ottoe Skipper
- 30) *Hesperia leonardus* Harris 1862. Leonard's Skipper
- 31) *Hesperia pahaska* (Leussler) 1938. Pahaska Skipper
- 32) *Hesperia metea* Scudder 1864. Cobweb Skipper
- 33) *Hesperia viridis* (W.H. Edwards) 1883. Green Skipper
- 34) *Hesperia attalus* (W.H. Edwards) 1871. Dotted Skipper
- 35) *Polites coras* (Cramer) 1775. Yellow-patch Skipper
- 36) *Polites themistocles* (Latreille) 1824. Tawny-edged Skipper
- 37) *Polites origenes* (Fabricius) 1793. Crossline Skipper
- 38) *Wallengrenia otho* (J.E. Smith) 1797. Broken-dash Skipper
- 39) *Wallengrenia egeremet* (Scudder) 1864. Northern Broken-dash
- 40) *Pompeius verna* (W.H. Edwards) 1862. Little Glassywing
- 41) *Atalopedes campestris* (Boisduval) 1852. Sachem Skipper
- 42) *Atrytone arogos* (Boisduval & Le Conte) 1834. Arogos Skipper
- 43) *Atrytone logan* (W.H. Edwards) 1863. Delaware Skipper

- 44) *Problema byssus* (W.H. Edwards) 1880. Byssus Skipper
- 45) *Poanes hobomok* (Harris) 1862. Hobomok Skipper
- 46) *Poanes zabulon* (Boisduval & Le Conte) 1834. Zabulon Skipper
- 47) *Euphyes dion* (W.H. Edwards) 1879. Sedge Skipper
- 48) *Euphyes ruricola* (Boisduval) 1852. Dun Skipper
- 49) *Atrytonopsis hianna* (Scudder) 1868. Dusted Skipper
- 50) *Amblyscirtes aenus* W.H. Edwards 1878. Aenus Skipper
- 51) *Amblyscirtes oslari* (Skinner) 1899. Oslar's Skipper
- 52) *Amblyscirtes erni* H.A. Freeman 1943. Erna Skipper
- 53) *Amblyscirtes nysa* (W.H. Edwards) 1877. Mottled Skipper
- 54) *Amblyscirtes eos* (W.H. Edwards) 1871. Eos Skipper
- 55) *Amblyscirtes vialis* (W.H. Edwards) 1862. Roadside Skipper
- 56) *Amblyscirtes belli* H.A. Freeman 1941. Bell's Skipper
- 57) *Lerodea eufala* (W.H. Edwards) 1869. Eufala Skipper
- 58) *Calpododes ethlius* (Stoll) 1782. Brazilian Skipper
- 59) *Megathymus coloradensis* C.V. Riley 1877. Colorado Yucca Skipper
- 60) *Megathymus texanus* Barnes & McDunnough 1912. Giant Skipper

PAPILIONIDAE

- 61) *Battus philenor* (Linnaeus) 1771. Pipevine Swallowtail
- 62) *Eurytides marcellus* (Cramer) 1777. Zebra Swallowtail
- 63) *Papilio polyxenes* Fabricius 1775. Black Swallowtail
- 64) *Papilio bairdii* W.H. Edwards 1869. Baird's Swallowtail
- 65) *Heraclides thoas* (Linnaeus) 1771. Thoas Swallowtail
- 66) *Heraclides cresphontes* (Cramer) 1777. Giant Swallowtail
- 67) *Pterourus glaucus* (Linnaeus) 1758. Tiger Swallowtail
- 68) *Pterourus multicaudata* (W.F. Kirby) 1884. Two-tailed Swallowtail
- 69) *Pterourus troilus* (Linnaeus) 1758. Spicebush Swallowtail
- 70) *Priamides anchisiades* (Esper) 1788. Anchisiades Swallowtail

PIERIDAE

- 71) *Appias drusilla* (Cramer) 1777. Florida White
- 72) *Pontia protodice* (Boisduval & Le Conte) 1829. Checkered White
- 73) *Pontia occidentalis* (Reakirt) 1866. Western White
- 74) *Artogeia rapae* (Linnaeus) 1758. Imported Cabbage White
- 75) *Ascia monuste* (Linnaeus) 1764. Great Southern White
- 76) *Ganyra josephina* (Godart) 1819. Amaryllis White
- 77) *Euchloe olympia* (W.H. Edwards) 1871. Olympia Marble
- 78) *Falcapica midea* (Hubner) 1809. Falcate Orangetip
- 79) *Colias philodice* Godart 1819. Clouded Sulphur
- 80) *Colias eurytheme* Boisduval 1852. Alfalfa Butterfly
- 81) *Zerene cesonia* (Stoll) 1790. Dogface Butterfly
- 82) *Anteos clorinde* (Godart) 1824. White Angled Sulphur
- 83) *Phoebis sennae* (Linnaeus) 1758. Cloudless Giant Sulphur
- 84) *Phoebis philea* (Johansson) 1763. Orange-barred Giant Sulphur

- 85) *Phoebis agarithe* (Boisduval) 1836. Orange Giant Sulphur
- 86) *Aphrissa statira* (Cramer) 1777. Statira
- 87) *Kricogonia lyside* (Godart) 1819. Lyside Butterfly
- 88) *Eurema mexicana* (Boisduval) 1836. Mexican Yellow
- 89) *Pyrisitia proterpia* (Fabricius) 1775. Tailed Orange
- 90) *Pyrisitia lisa* (Boisduval & Le Conte) 1829. Lisa Yellow
- 91) *Abaeis nicippe* (Cramer) 1779. Sleepy Orange
- 92) *Nathalis iole* Boisduval 1836. Dainty Sulphur

LYCAENIDAE

- 93) *Feniseca tarquinius* (Fabricius) 1793. Harvester
- 94) *Lycaena phlaeas* (Linnaeus) 1761. Small Copper
- 95) *Gaeides xanthoides* (Boisduval) 1852. Great Copper
- 96) *Hyllolycaena hyllus* (Cramer) 1775. Bronze Copper
- 97) *Epidemia helloides* (Boisduval) 1852. Purplish Copper
- 98) *Atlides halesus* (Cramer) 1777. Great Blue Hairstreak
- 99) *Phaeostrymon alcestis* (W.H. Edwards) 1871. Alcestis Haristreak
- 100) *Harkenclenus titus* (Fabricius) 1793. Coral Hairstreak
- 101) *Satyrrium acadica* (W.H. Edwards) 1862. Acadian Hairstreak
- 102) *Satyrrium edwardsii* (Grote & Robinson) 1867. Edward's Hairstreak
- 103) *Satyrrium calanus* (Hubner) 1809. Falacer Hairstreak
- 104) *Satyrrium caryaevorum* (McDunnough) 1942. Hickory Hairstreak
- 105) *Satyrrium liparops* (Le Conte) 1833. Striped Hairstreak
- 106) *Tmolus azia* (Hewitson) 1873. Azia Hairstreak
- 107) *Calycopis cecrops* (Fabricius) 1793. Cecrops Hairstreak
- 108) *Calycopis isobeon* (Butler & H. Druce) 1872 Beon Hairstreak
- 109) *Mitoura gryneus* (Hubner) 1819. Olive Hairstreak
- 110) *Incisalia henrici* (Grote & Robinson) 1867. Henry's Elfin
- 111) *Euristrymon ontario* (W.H. Edwards) 1868. Ontario Hairstreak
- 112) *Parrhasius m-album* (Boisduval & Le Conte) 1833. White-m
Hairstreak
- 113) *Strymon melinus* Hubner 1818. Gray Hairstreak
- 114) *Brephidium exilis* (Boisduval) 1852. Western Pygmy Blue
- 115) *Leptotes cassius* (Cramer) 1775. Cassius Blue
- 116) *Leptotes marina* (Reakirt) 1868. Marine Blue
- 117) *Zizula cyna* (W.H. Edwards) 1881. Cyna Blue
- 118) *Hemiargus ceraunus* (Fabricius) 1793. Antillean Blue
- 119) *Hemiargus isola* (Reakirt) 1866. Isola Blue
- 120) *Everes comyntas* (Godart) 1824. Eastern Tailed Blue
- 121) *Celastrina ladon* (Cramer) 1780. Spring Azure
- 122) *Glaucopsyche lygdamus* (Doubleday) 1841. Silvery Blue
- 123) *Lycaeides melissa* (W.H. Edwards) 1873. Melissa Blue
- 124) *Icaricia acmon* (Westwood & Hewitson) 1852. Acmon Blue

LIBYTHEIDAE

- 125) *Libytheana bachmanii* (Kirtland) 1852. Snout Butterfly

HELICONIIDAE

- 126) *Agraulis vanillae* (Linnaeus) 1758. Gulf Fritillary
127) *Heliconius charitonius* (Linnaeus) 1767. Zebra Butterfly

NYMPHALIDAE

- 128) *Euptoieta claudia* (Cramer) 1775. Variegated Fritillary
129) *Speyeria cybele* (Fabricius) 1775. Great Spangled Fritillary
130) *Speyeria aphrodite* (Fabricius) 1787. Aphrodite Fritillary
131) *Speyeria idalia* (Drury) 1773. Regal Fritillary
132) *Speyeria edwardsii* (Reakirt) 1866. Edward's Fritillary
133) *Thessalia fulvia* (W.H. Edwards) 1879. Fulvia Crescent
134) *Chlosyne lacinia* (Geyer) 1837. Geyer's Patched Butterfly
135) *Charidryas gorgone* (Hubner) 1810. Gorgone Crescent
136) *Charidryas nycteis* (Doubleday & Hewitson) 1847. Silvery Crescent
137) *Anthanassa texana* (W.H. Edwards) 1863. Texas Crescent
138) *Phyciodes vesta* (W.H. Edwards) 1869. Vesta Crescent
139) *Phyciodes phaon* (W.H. Edwards) 1864. Phaon Crescent
140) *Phyciodes tharos* (Drury) 1773. Pearl Crescent
141) *Phyciodes pratensis* (Behr) 1863. Field Crescent
142) *Phyciodes picta* (W.H. Edwards) 1865. Painted Crescent
143) *Euphydryas phaeton* (Drury) 1773. Baltimore
144) *Polygonia interrogationis* (Fabricius) 1798. Question-mark
145) *Polygonia comma* (Harris) 1842. Comma
146) *Polygonia progne* (Cramer) 1776. Gray Comma
147) *Nymphalis antiopa* (Linnaeus) 1758. Mourning Cloak
148) *Vanessa virginiensis* (Drury) 1773. Virginia Lady
149) *Vanessa cardui* (Linnaeus) 1758. Painted Lady
150) *Vanessa annabella* (Field) 1971. West Coast Lady
151) *Vanessa atalanta* (Linnaeus) 1758. Red Admiral
152) *Junonia coenia* Hubner 1822. Buckeye
153) *Anartia jatrophae* (Johansson) 1763. White Peacock
154) *Siproeta stelenes* (Linnaeus) 1758. Pearly Malachite
155) *Basilarchia arthemis* (Drury) 1773. Red-spotted Purple
156) *Basilarchia archippus* (Cramer) 1776. Eastern Viceroy
157) *Basilarchia weidemeyerii* (W.H. Edwards) 1861. Weidemeyer's
Admiral
158) *Adelpha bredowii* Geyer 1837. Mexican Sister
159) *Eunica monima* (Stoll) 1782. Dingy Purplewing
160) *Eunica tatila* (Herrich-Schaffer) 1853. Mexican Purplewing
161) *Mestra amymone* (Ménétriés) 1857. Amymone Butterfly
162) *Marpesia petreus* (Cramer) 1776. Ruddy Daggerwing

APATURIDAE

- 163) *Anaea aidea* (Guérin-Ménéville) 1844. Eyed Goatweed
164) *Anaea andria* Scudder 1875. Goatweed Butterfly

- 165) *Asterocampa celtis* (Boisduval & Le Conte) 1834. Hackberry
Butterfly
166) *Asterocampa clyton* (Boisduval & Le Conte) 1833. Tawny Emperor

SATYRIDAE

- 167) *Enodia anthedon* A.H. Clark 1936. Northern Pearly Eye
168) *Enodia creola* (Skinner) 1897. Creole Pearly Eye
169) *Cyllopsis gemma* (Hubner) 1808. Gemmed Satyr
170) *Hermeuptychia sosybius* (Fabricius) 1793. Carolina Satyr
171) *Megisto cymela* (Cramer) 1777. Little Wood Satyr
172) *Megisto rubricata* (W.H. Edwards) 1871. Red Satyr
173) *Cercyonis pegala* (Fabricius) 1775. Large Wood Nymph

DANAIDAE

- 174) *Danaus plexippus* (Linnaeus) 1758. Monarch
175) *Danaus gilippus* (Cramer) 1775. Queen

HYPOTHETICAL LIST

- a) *Erynnis propertius* (Scudder & Burgess) 1870. Propertius Duskywing
b) *Erynnis pacuvius* (Lintner) 1876. Pacuvius Duskywing
c) *Pholisora mejicanus* (Reakirt) 1866. Mexican Sootywing
d) *Phoebis argante* (Fabricius) 1775. Argante Giant Sulphur
e) *Eurema salome* (C. Felder & R. Felder) 1861. Salome Yellow
f) *Incisalia irus* (Godart) 1324. Frosted Elfin
g) *Libytheana carinenta* (Cramer) 1777. Southern Snout Butterfly
h) *Anartia fatima* (Fabricius) 1793. Fatima
i) *Marpesia chiron* (Fabricius) 1775. Many-banded Daggerwing
j) *Enodia portlandia* (Fabricius) 1781. Pearly Eye
k) *Coenonympha ochracea* W.H. Edwards 1861. Ochre Ringlet

SPECIES ACCOUNTS

HESPERIIDAE

- 1) *Epargyreus clarus* (Cramer). Silver-spotted Skipper. Common statewide, especially in east. We have specimens from 74 counties and reports from 4 others: Hamilton, Harper, Sumner (Field 1940c:220); Cowley (Weniger 1945:118). Flight period: east, 11 April - 27 October; west, 23 May - 19 November. Probably 2 broods. Habitat: riparian, open woods, roadsides, parks and gardens: strongly attracted to flowers. Food plants: wisteria (*Wisteria*), locust (*Robinia*), honey locust (*Gleditsia*).
- 2) *Urbanus proteus* (Linnaeus). Long-tailed Skipper. One was taken in Edwardville, Wyandotte County, 10 June 1957 by C.P. Sclater (JRH, pers. comm.). Another (in poor condition) was collected and released by John Tewell (pers. comm.) during late summer 1978 in Crawford County.
- 3) *Achalarus lyciades* (Geyer). Hoary-edged Skipper. Rare in extreme east, west to Leavenworth, Woodson and Cherokee counties; accidental in west. We have specimens from 6 counties and reports from 4 others: Douglas, Leavenworth (Field 1940c:221); Johnson (Ferris and Brown 1981:417); Crawford (JOT). Jeremy Kuhn collected a worn individual near Walker, Ellis County, on 3 September 1984. Univoltine. Flight period: east, 7 May to 19 September; west, 3 September. Habitat: oak woods and clearings, roadsides, parks. Food plants: lespedeza (*Lespedeza*), tickclover (*Desmodium*).
- 4) *Thorybes bathyllus* (J.E. Smith). Southern Cloudywing. Rare in eastern half, west to Clay, Saline, Reno and Chautauqua counties; also casual west to Scott and Meade counties. We have specimens from 26 counties and reports from 4 others: Scott, Sumner (Field 1940c:223); Elk (SWC); Barber (D&VS). Flight period: east, 2 May - 5 September; west, 19 June. Two broods. Habitat: roadsides, fields, woodland edge and clearings. Food plants: tickclover (*Desmodium*), lespedeza (*Lespedeza*), milkvetch (*Astragalus*).
- 5) *Thorybes pylades* (Scudder). Northern Cloudywing. Rare in east, west to Pottawatomie, Greenwood and Montgomery counties. We have specimens from 17 counties and reports from 2 others: Greenwood (Field 1940c:224); Johnson (JRH). Flight period, east: 2 May - 25 August. Probably univoltine. Habitat: open woods and edge, roadsides, riparian, fields. Food plants: tickclover (*Desmodium*), lespedeza (*Lespedeza*).
- 6) *Thorybes confusis* Bell. Confused Cloudywing. Probably accidental. One female (ID by H. Freeman) was reported from Sumner County,

June 1941 (Stallings and Turner 1942:12). A male was taken in McPherson County, 17 July 1981 (ID by JRH).

- 7) *Staphylus hayhurstii* (W.H. Edwards). Scalloped Sootywing. Uncommon, probably statewide; reported west to Rawlins, Rush and Kiowa (also Scott and Stevens) counties. We have specimens from 61 counties and reports from 4 others: Douglas (Field, 1940c:227); Johnson (JDP); Crawford (JOT); Sedgwick (RLH). Flight period: east, 2 May - 16 September; west, 6 May - 3 September. At least 2 broods. Habitat: shady areas (open woodland and edge, riparian, trails, shady lawns). Food plants: goosefoot (*Chenopodium*), amaranth (*Alternanthera*).
- 8) *Achlyodes thraso* (Hubner). Sickie-winged Skipper. Accidental. One specimen, Riley County, 22 July 1921 (Field 1940c:228); one specimen, Sumner County, October 1941 (Stallings and Turner 1942:12).
- 9) *Grais stigmaticus* (Mabille). Stigmatic Duskywing. Accidental. Reported by Field (1940c:236) from Scott County (3 or 4 specimens in fall) and Sumner County. Three Scott County specimens (Calkins 1932c:259) were taken following a dust storm.
- 10) *Chiomara asychis* (Stoll). Asych's Skipper. Accidental. One specimen taken in Scott County, 18 July 1935 (Field 1940c:229). However, Calkins (1936:66) reports one 6 July 1935.
- 11) *Erynnis brizo* (Boisduval and Le Conte). Sleepy Duskywing. Uncommon in east, west to Riley and Sumner counties. We have specimens from 6 counties and reports from 6 others: Crawford, Greenwood, Riley (Field 1940c:230); Johnson, Sumner (Burns 1964:46); Franklin (Howe 1975:pl. 93). Flight period: east, 9 April - 24 July. Univoltine. Habitat: woodland edge. Food plants: oaks (*Quercus*).
- 12) *Erynnis juvenalis* (Fabricius). Juvenal Duskywing. Uncommon in eastern third, west to Riley and Sumner counties (also Scott). We have specimens from 15 counties and reports from 8 others: Douglas, Greenwood, Pottawatomie, Riley, Scott (Field 1940c:234); Johnson, Sumner (Burns 1964:77); Wyandotte (JRH). Flight period: east, 2 April - 11 May; west, "early spring." Univoltine. Habitat: oak woods, woodland edge. Food plants: oak (*Quercus*).
- 13) *Erynnis horatius* (Scudder and Burgess). Horace's Duskywing. Uncommon in eastern third, west to Riley and Sumner counties; rarely to Barton, Ellis and Scott. We have specimens from 26 counties and reports from 6 others: Douglas, Riley, Scott (dubious, RES), Sumner

- (Field 1940c:235); Cowley (Weniger 1945:119); Crawford (JOT). Flight period: east, 18 April - 27 September; west, 20 June - 9 September. Two broods. Habitat: oak scrub, woodland edge. Food plants: oaks (*Quercus*).
- 14) *Erynnis martialis* (Scudder). Mottled Duskywing. Uncommon in east, west to Osborne, Ellis and Harper counties. We have specimens from 3 counties and reports from 7 others: Crawford, Greenwood, Harper (Field 1940c:233); Johnson (Burns 1964:149); Riley (KSU) (check ID); Douglas (Snow 1876:35); Wyandotte (JRH). Flight period: east, 21 April - 3 September; west, 27 June. Two broods. Habitat: open woods, woodland edge. Food plant: New Jersey tea (*Ceanothus*).
 - 15) *Erynnis funeralis* (Scudder and Burgess). Funeral Duskywing. Uncommon, chiefly southwest of Ellis, Reno and Sumner counties; occasional in east. We have specimens from 8 counties and reports from 7 others: Clark, Greenwood, Meade, Pratt, Scott (Field 1940c:235); Johnson (Burns 1964:182); Wyandotte (JRH). Flight period: east, 25 April - 25 September; west, 25 May - 10 October. Probably 2 broods. Habitat: woodland edge, riparian, prairie. Food plant: alfalfa (*Medicago*).
 - 16) *Erynnis lucilius* (Scudder and Burgess). Columbine Duskywing. Status uncertain. Two specimens "probably this species" (Forbes) from Douglas and Smith counties, both taken 4 September, were reported by Field (1940c:232).
 - 17) *Erynnis baptisiae* (Forbes). Baptisia Duskywing. Uncommon in eastern 2/3, west to Smith, Ness and Comanche counties. We have specimens from 41 counties and reports from 5 others: Douglas, Pratt, Rush (Field 1940c:233); Franklin (Howe 1975:pl. 93); Johnson (JRH). Flight period: east, 19 April - 2 October; west, 17 May - 28 August. Probably 2 broods. Habitat: woodland edge, woodland. Food plant: wild indigo (*Baptisia*).
 - 18) *Erynnis afranius* (Lintner). Afranius Duskywing. Status uncertain. Calkins (1932:259) reported one specimen from Scott County (identified by Dyar) but Burns (1964:191) did not report the species from Kansas. The specimen should be re-examined.
 - 19) *Erynnis persius* (Scudder). Persius Duskywing. Status uncertain. Field (1940c:231) reported specimens from Scott and Douglas counties but Burns (1964:193) did not report the species from Kansas. Stanford (pers. comm.) considers the Scott Co. specimen "almost certainly *afranius*." Specimens should be re-examined.
 - 20) *Pyrgus communis* (Grote). Checkered Skipper. Abundant statewide.

We have specimens from all 105 counties. Flight period: east, "4th week of March" - 10 November; west, 28 March - 17 November. Probably at least 3 broods. Habitat: prairie, fields, roadsides, riparian, waste areas; strongly attracted to flowers. Food plants: mallows (*Malva*).

- 21) *Pholisora catullus* (Fabricius). Common Sootywing. Common statewide. We have specimens from 100 counties and reports from 1 other: Cowley (Weniger 1945:118). Flight period: east, 16 April - 19 September; west, 22 April - 19 September. Two broods. Habitat: woodland edge, riparian, lawns, disturbed areas, sage brush. Food plants: ragweed (*Ambrosia*), goosefoot (*Chenopodium*), pigweed (*Amaranthus*), beebalm (*Monarda*).
- 22) *Piruna pirus* (W.H. Edwards). Pirus Skipperling. Accidental. One specimen was reported by Snow (1904) in Hamilton County but Field (1940c:238) was unable to find the specimen at KU.
- 23) *Nastra lherminier* (Latreille). Swarthy Skipper. Accidental. Reported from: Pottawatomie County (Crevecoeur 1922:377); Douglas and Johnson counties (JRH); Barber County (1 June 1980 (2), 26 April 1981, JDP).
- 24) *Ancyloxypha numitor* (Fabricius). Eastern Least Skipper. Uncommon and local nearly statewide; few reports from far west. We have specimens from 77 counties and reports from 3 others: Crawford, Harper, Scott (Field 1940c:239). Flight period: east, 10 May - 1 October; west, 2 June - 13 October. Two broods. Habitat: damp meadows, riparian, roadside ditches. Food plants: cutgrass (*Leersia*), bluegrass (*Poa*).
- 25) *Copaeodes aurantiaca* (Hewitson). Orange Skipperling. Possibly an immigrant species. Rare in west, east to Phillips, Harvey and Sumner counties. We have specimens from 5 counties and reports from 3 others: Scott, Wallace (Field 1940c:240); Sumner (common some years, fall, D&VS). Flight period: east, 1 October - 20 October; west, 24 August - 25 October. Probably univoltine. Habitat: prairies, alfalfa, roadsides, riparian. Food plant: Bermuda grass (*Cynodon*).
- 26) *Hylephila phyleus* (Drury). Fiery Skipper. Apparently an immigrant species. Uncommon in east; few records from far west. We have specimens from 59 counties and reports from 2 others: Scott (Field 1940c:248); Cowley (Weniger 1945:119). Flight period: east, 20 May - 31 October; west, 8 July - 7 November. Few records before mid-July; probably univoltine. Habitat: roadsides, flower beds; strongly attracted to flowers. Food plants: bent grass (*Agrostris*), Bermuda grass (*Cynodon*), crabgrass (*Digitaria*).

- 27) *Yvretta rhesus* (W.H. Edwards). Rhesus Skipper. Accidental. Field (1940c:242) reported a specimen at KU labelled "Kansas" and considered it to be very rare in Scott County.
- 28) *Hesperia uncas* W.H. Edwards. Uncas Skipper. Uncommon in western third, east to Osborne and Sumner counties. We have specimens from 9 counties and reports from 15 others: Gove, Finney, Logan, Meade, Osborne, Pratt, Rush, Seward, Sheridan, Stanton, Wallace (Field 1940c:243); Barber, Sumner (Stallings and Turner 1946:110); Comanche (JDP); Ellis (J Kuhn). Flight period: east, 27 May - 31 August; west, 17 May - 12 September. Two broods. Habitat: prairie, roadsides. Food plants: needlegrass (*Stipa*), grama grass (*Bouteloua*); hairy tridens (*Erioneuron*).
- 29) *Hesperia ottoe* W.H. Edwards. Ottoe Skipper. Uncommon in western 2/3, east to Riley, Miami and Sumner counties. We have specimens from 10 counties and reports from 13 others: Clark, Gove, Morton, Pratt, Smith (Field 1940c:246); Sumner (Stallings and Turner 1946:110); Franklin (Howe 1975:pl. 89); Chase, Douglas, Miami (JRH); Barber (D&VS); Ellsworth, Riley (McGuire). Flight period: east, 28 May - 1 August; west, 15 June -21 August. Univoltine. Habitat: prairies, roadsides. Food plant: bluestem (*Schizachyrium*).
- 30) *Hesperia leonardus* Harris. Leonard's Skipper. Status uncertain, probably local in northwestern 1/4 (McGuire, pers. comm.). Snow (1876:35) took a specimen of *H. l. leonardus* in Douglas County. Field (1940c:245) reported *H. l. pawnee* (as *H. ottoe*) from Smith County; *pawnee* was reported by Howe (1975:472) "to Kansas." Also taken in Trego and Lane counties, 8 September 1984 (RLH).
- 31) *Hesperia pahaska* (Leussler). Pahaska Skipper. Status uncertain. Reported "to Kansas" by Howe (1975:473) and from Barber (JRH) and Ellsworth (JKA) counties. Specimens should be re-examined (McGuire, pers. comm.). Flight period: east, 28 May - 2 June. Habitat: prairie. Food plant: grama grass (*Bouteloua*).
- 32) *Hesperia metea* Scudder. Cobweb Skipper. Apparently rare and local. Two records from Barber County: 2 May 1948 (Stallings and Turner 1950:67), 12 May 1983 (J. Adams, *vide* JDP). Jeremy Kuhn collected 1 male and 8 females near Walker, Ellis County, 28 April - 19 May 1985. Univoltine. Habitat: prairies. Food plant: bluestem (*Andropogon*).
- 33) *Hesperia viridis* (W.H. Edwards). Green Skipper. Rare and local in west; east to Smith, Russell and Barber counties. Common in Barber County (D&VS). We have specimens from 8 counties and reports from 2 others: Meade (RLH); Comanche (McGuire). Flight period:

east, 2 May -17 June; west, 21 May - 26 September. Two broods.
Habitat: prairies. Food plant: grama grass (*Bouteloua*).

- 34) *Hesperia attalus* (W.H. Edwards). Dotted Skipper. Rare in south; locally common at nectar sources (McGuire). We have specimens from 2 counties (Butler and Elk) and reports from 7 others: Montgomery (R.H. Beamer in Field 1940c:245); Sumner (Stallings and Turner 1945:111); Barber (Stallings and Turner 1946:110); Clark, Comanche, Harper, Cowley (McGuire). Flight period: east, 27 May - 10 September. Two broods. Habitat: sandy prairie. Food plant: grama grass (*Bouteloua*).
- 35) *Polites coras* (Cramer). Yellow-patch Skipper. Rare and local west to Smith and Reno counties (also Scott). We have specimens from 21 counties and reports from 3 others: Osborne, Reno, Scott (Field 1940c:252). Flight period: east, 2 May - 29 September. Probably 2 broods, the 2nd much more numerous. Habitat: riparian edge, roadsides, fields. Food plants: "grasses."
- 36) *Polites themistocles* (Latreille). Tawny-edged Skipper. Uncommon in east; rare and local in far west; no records from southwest. We have specimens from 69 counties and reports from 4 others: Gove, Montgomery, Scott, Sumner (Field 1940c:251). Flight period: east, 8 May - 14 October; west, 3 May - 24 October. Two broods. Habitat: prairie, roadsides, parks and lawns. Food plant: panic grass (*Panicum*).
- 37) *Polites origenes* (Fabricius). Crossline Skipper. Local in east; west to Riley and Chautauqua counties. We have specimens from 11 counties and reports from 4 others: Montgomery, Riley and Douglas (Field 1940c:251); Johnson (JRH). Flight period: east, 11 June - 8 September. Two broods, the 2nd most numerous and most widespread. Habitat: prairie. Food plants: tridens grass (*Tridens*).
- 38) *Wallengrenia otho* (J.E. Smith). Broken-dash Skipper. Probably rare and local in southeast. We have specimens from Cherokee and Crawford counties. The report from Douglas County (Field 1940c:253) is probably a specimen of *egeremet*. Flight period: east, 5 September - 2 October. Apparently univoltine. Habitat: damp, woodland edge. Food plants: "grasses."
- 39) *Wallengrenia egeremet* (Scudder). Northern Broken-dash. Probably rare and local in east, west to Nemaha, McPherson and Labette counties. We have specimens from 10 counties and reports from 2 others: Douglas ("rather common," Field 1940b:29); Johnson (JRH). Flight period: east, 18 June - 12 September. Apparently 2 broods. Habitat: open woodland edge. Food plant: panic grass (*Panicum*).

- 40) *Pompeius verna* (W.H. Edwards). Little Glassywing. Accidental. Reported from Douglas County (prior to 1875 and in 1933) by Field (1940c:250), from Miami County by Howe (1975:pl. 87), and from 3 localities in Johnson County (JRH).
- 41) *Atalopedes campestris* (Boisduval). Sachem Skipper. Abundant statewide. We have specimens from all 105 counties. Flight period: east, 24 April - 31 October; west, 18 April - 17 November. At least 3 broods. Habitat: prairie, roadsides, alfalfa, flower beds, disturbed areas; strongly attracted to flowers. Food plants: bermuda grass (*Cynodon*), crabgrass (*Digitaria*), goosegrass (*Eleusine*).
- 42) *Atrytone arogos* (Boisduval and Le Conte). Arogos Skipper. Uncommon and local statewide. We have specimens from 27 counties and reports from 9 others: Douglas, Gove, Logan, Rawlins, Scott, Sheridan (Field 1940c:259); Shawnee (Howe 1975:pl. 87); Sumner (Stallings and Turner 1942:12); Johnson (JRH). Flight period: east, 28 May - 19 September; west, 12 June - 29 July. Probably 2 broods. Habitat: tall grass and mixed grass prairies. Food plants: bluestems (*Andropogon*).
- 43) *Atrytoga logan* (W.H. Edwards). Delaware Skipper. Common statewide, west to Cheyenne, Scott and Clark. We have specimens from 84 counties and reports from 1 other: Pratt (Field 1940c:260). Flight period: east, 29 May - 24 September; west, 2 June - 31 October. Two broods, the 2nd more numerous and more widespread. Habitat: prairies, alfalfa fields, roadsides, riparian edge. Food plants: plumegrass (*Erianthus*), bluestem (*Andropogon*), panicum (*Panicum*).
- 44) *Problema byssus* (W.H. Edwards). Byssus Skipper. Apparently local in undisturbed prairie in east; west to Reno. We have specimens from Anderson, Chase, Lyon and Reno counties and reports from 4 others: Johnson, Franklin (Howe 1975:pl. 87); Douglas, Miami (JRH). The record by Snow (1876:35) from Douglas County was in error (Field 1940c:257). Flight period: east, 25 June - 28 July and 28 August (JKA). Univoltine. Habitat: tallgrass prairie. Food plant: eastern gamagrass (*Tripsacum*).
- 45) *Poanes hobomok* (Harris). Hobomok Skipper. Uncommon, status uncertain. We have specimens from 6 counties and reports from 2 others: Douglas (Snow 1876:35); Pottawatomie (KSU). Flight period: east, 20 May - 11 June; west, 22 May - 15 June. Univoltine. Habitat: woodland edge, riparian, fields. Food plants: panic grass (*Panicum*), bluegrass (*Poa*).
- 46) *Poanes zabulon* (Boisduval and Le Conte). Zabulon Skipper. Common in eastern half, west to Osborne, Kiowa and Barber. We have

specimens from 43 counties and reports from 2 others: Greenwood (Field 1940c:256); Johnson (Howe 1975:pl. 86). Flight period: east, 3 May - 25 September; west, 19 May - 21 August. Apparently 2 broods. Habitat: woodland edge, old fields, riparian. Food plants: lovegrass (*Eragrostis*), tridens grass (*Tridens*).

- 47) *Euphyes dion* (W.H. Edwards). Sedge Skipper. Apparently rare and local in southeast. We have specimens from 7 counties and reports from 1 other: Franklin (WHH, BLG). Flight period: east, 20 June - 6 September. Univoltine. Habitat: marshes and stream borders. Food plants: sedge (*Carex*), rush (*Scirpus*).
- 48) *Euphyes ruricola* (Boisduval). Dun Skipper. Common in eastern half but rare and local in west. We have specimens from 67 counties. Flight period: east, 16 April - 2 October; west, 16 April - 24 September. Two broods. Habitat: deciduous woods and edge, prairie, roadsides. Food plants: sedges (*Cyperus*, *Carex*).
- 49) *Atrytonopsis hianna* (Scudder). Dusted Skipper. Includes *A. turneri* Freeman. Local in western 2/3, east to Clay and Chautauqua counties. We have specimens from 7 counties and reports from 3 others: Clark, Scott (Field 1940c:263); Sumner (Freeman 1948:205-206). Flight period: east, 28 April - 3 June; west, 16 May - 5 June. Univoltine. Habitat: prairies. Food plants: bluestems (*Andropogon*).
- 50) *Amblyscirtes aenus* W.H. Edwards. Aenus Skipper. Status uncertain. D.B. Stallings (pers. comm.) collected specimens in Barber County, 26 April and 5 May 1946.
- 51) *Amblyscirtes oslari* (Skinner). Oslar's Skipper. We have specimens from 3 counties. Schwilling took specimens in Comanche County on 17 May 1983; also 9 collected in Ellis Co., 19-21 May 1985 by Jeremy Kuhn. Previously reported from Barber County (Stallings and Turner 1946:110; 1947:93 and 1952:28); Freeman (1973:48). Flight period: east, 28 April - 2 June; west, 17 May - 21 May. Univoltine. Habitat: ravines in prairie. Food plants: probably blue grama (*Bouteloua gracilis*).
- 52) *Amblyscirtes erna* H.A. Freeman. Erna Skipper. Accidental (?). Reported from Barber County: last of April and 1st of May (Stallings and Turner 1952:28); Howe (1975:pl. 84); 5 May 1945 (Freeman 1973:47).
- 53) *Amblyscirtes nysa* W.H. Edwards. Mottled Skipper. Common, west to at least Graham, Scott and Meade counties. We have specimens from 31 counties and reports from 6 others: Douglas, Scott, Shawnee, Sumner (Field 1940c:265); Johnson (Ferris and Brown

- 1981:418); Wyandotte (JRH). Two broods. Flight period: east, 25 April - 2 October; west, 19 May - 25 September. Habitat: lawns and gardens, roadsides, disturbed areas. Food plants: crabgrass (*Digitaria*), barnyardgrass (*Echinochloa*), foxtail (*Setaria*).
- 54) *Amblyscirtes eos* (W.H. Edwards). Eos Skipper. Probably rare and local in southwest. Ely took 2 specimens in Meade County, 14 September 1985. Stallings (pers. comm.) had previously taken a single specimen in Barber County.
- 55) *Amblyscirtes vialis* (W.H. Edwards). Roadside Skipper. Common; west to Rawlins, Scott and Meade counties; probably statewide but more regular in northcentral part. We have specimens from 59 counties and reports from 2 others: Franklin (Freeman 1973:53); Greenwood (Field 1940c:264). Flight period: east, 6 April - 20 September; west, 14 April - 14 August. Two broods. Habitat: woodland and edge, riparian, roadsides. Food plants: bluegrass (*Poa*), oat (*Avena*), bent grass (*Agrostis*), Bermuda grass (*Cynodon*).
- 56) *Amblyscirtes belli* Freeman. Bell's Skipper. We have specimens from 2 counties (Cowley, Elk) and reports from 2 others: Johnson, Wyandotte, 18 May - 3 September (JRH).
- 57) *Lerodea eufala* (W.H. Edwards). Eufala Skipper. Common, probably statewide but not yet reported from northwest. We have specimens from 64 counties and reports from 2 others: Douglas, Scott (Field 1940c:267). Flight period: east, 19 June - 31 October; west, 25 May - 17 November. An immigrant species; most records after late July. Habitat: fields, prairies, flower beds; strongly attracted to flowers. Food plants: alfalfa (*Medicago*), "grasses."
- 58) *Calpododes ethlius* (Stoll). Brazilian Skipper. Accidental. One was taken in Douglas County, 9 May 1911 by F.X. Williams (Field 1940c:268).
- 59) *Megathymus coloradensis* C.V. Riley. Colorado Yucca Skipper. Status uncertain; probably local in southwest. Reported as follows: Sumner County in 1943 (Stallings 1944:79-80); Wallace County (Ferris and Brown 1981:142); Barber County (D&VS). Flight period: west, March - 15 April. Univoltine. Habitat: yucca grassland. Food plant: yucca (*Yucca*).
- 60) *Megathymus texanus* Barnes & McDunnough. Giant Skipper. Locally common (D&VS) in southwest. We have specimens from one county (Cheyenne, 25 June) and reports from 6 others (D&VS). Reported by Stallings and Turner (1950:67) from 10 miles east of Coldwater to Liberal, 7-8 June 1947. Univoltine. Habitat: yucca grassland. Food plant: yucca (*Yucca*).

PAPILIONIDAE

- 61) *Battus philenor* (Linnaeus). Pipevine Swallowtail. Common in east; irregular westward to Sheridan, Scott and Morton counties. We have specimens from 31 counties and reports from 6 others: Clark, Greenwood, Leavenworth, Riley, Sumner (Field 1940c:200-201); Johnson (MDS). Flight period: east, 3 May - 24 October; west, 16 May - 1 July. Probably 2 broods. Habitat: open woodland, riparian, roadside. Food plant: pipevine (*Aristolochia*).
- 62) *Eurytides marcellus* (Cramer). Zebra Swallowtail. Common in east, straggling west to Riley and Harper counties. We have specimens from 19 counties and reports from 8 others: Greenwood, Riley, Sedgwick, Sumner (Field 1940c:216); Harper (KSU); Lyon (sighting, MDS); Cowley, Elk (D&VS). Flight period: east, 24 March - "late" September. Two, probably 3 broods, the first (April - early May) usually most numerous; only a few individuals were found in 1984. J.O. Tewell (pers. comm.) reports females ovipositing on pawpaw in late March, before leaves have appeared. Habitat: woodlands, riparian. Food plant: pawpaw (*Asimina*).
- 63) *Papilio polyxenes* Fabricius. Black Swallowtail. Common statewide. We have specimens from 89 counties and reports from 3 others: Grant, Greeley, Thomas (sightings, CAE). Flight period: east, 18 April - 1 October; west, 11 April - 17 October. At least 2 broods. Habitat: gardens, prairies, riparian, roadsides; strongly attracted to flowers. Food plants: carrot (*Daucus*), dill (*Anethum*).
- 64) *Papilio bairdii* W.H. Edwards. Baird's Swallowtail. Accidental. Two specimens reported from Scott County in June by V.F. Calkins (Field 1940c:206). Rolfs took one "*brucei*" in Sherman County on 9 August 1982.
- 65) *Heraclides thoas* (Linnaeus). Thoas Swallowtail. Accidental. One was reported from Scott County, 18 July 1935 (Field 1940c:208). However, Calkins (1936:66) reported 2 on 5 July 1935.
- 66) *Heraclides cresphontes* (Cramer). Giant Swallowtail. Common in east (west to Washington, Marion and Cowley counties); casual westward to Ellis, Wallace and Harper counties. We have specimens from 40 counties and reports from 9 others: Chase, Crawford, Harper, Scott, Sumner (Field 1940c:208); Barton, Cherokee (sightings, MDS); Dickinson, Wallace (sightings, CAE). Flight period: east, 20 April - 1 October; west, 25 September. Two broods, the 2nd (late July - early September) most numerous and most wide ranging. Habitat: woodland edge, gardens, roadsides; strongly attracted to flowers. Food plants: prickly ash (*Zanthoxylum*), hop (*Ptelea*), cottonwood (*Populus*).

- 67) *Pterourus glaucus* (Linnaeus). Tiger Swallowtail. Common statewide, especially in east; less common in far west and no records from southwest. We have specimens from 73 counties and reports from 2 others: Harper, Scott (Field 1940c:211). Flight period: east, 2 April - 21 September; west, 16 April - 6 October. Two broods. Habitat: woodland edge, roadsides, riparian, gardens; strongly attracted to flowers. Food plants: birch (*Betula*), cottonwood (*Populus*), ash (*Fraxinus*), cherry (*Prunus*).
- 68) *Pterourus multicaudata* (W.F. Kirby). Two-tailed Swallowtail. Now probably accidental. One recent record, Seward County, 25 May 1982 (WHH). Reported as a stray in Scott County by Field (1940c:212). Possibly bred in Scott County prior to 1932. Calkins (1931:111) said it was double-brooded there (late April - early May; June - August) with a few taken each season.
- 69) *Pterourus troilus* (Linnaeus). Spicebush Swallowtail. Regular in extreme southeast; casual northward to Leavenworth County (common some seasons in Franklin County, WHH) and accidental in Scott County. We have specimens from 3 counties and reports from 4 others: Douglas, Leavenworth (Field 1940c:212); Scott (2 specimens, Calkins 1932a: 211); Franklin (many taken August 1971, WHH). Flight period: east, 30 March - 10 October. Two broods. Habitat: woodland, riparian, gardens. Food plants: sassafras (*Sassafras*), spicebush (*Lindera*).
- 70) *Priamides anchisiades* (Esper). Anchisiades Swallowtail. Accidental. V.F. Calkins took one in Scott County, 29 June 1935; ID by Field (Calkins 1936:66).

PIERIDAE

- 71) *Appias drusilla* (Cramer). Florida White. Accidental. Single specimens were taken near Eureka, Greenwood County by Edward Todd on 2 and 3 August 1939 (Field 1940c:194). Schwilling took 1 in Douglas County 9 May 1985 and Jeremy Kuhn took 1 in Ellis County, 17 June 1985.
- 72) *Pontia protodice* (Boisduval and Le Conte). Checkered White. Abundant, statewide. We have specimens from all 105 counties. Flight period: east, 10 March - 27 October; west, 28 March - 3 November. Possibly 3 broods. Habitat: fields, roadsides, disturbed areas. Food plants: wintercress (*Barbarea*), shepherds purse (*Capsella*), peppergrass (*Lepidium*).
- 73) *Pontia occidentalis* (Reakirt). Western White. Accidental. A pair taken in Scott County was identified by Dyar (Calkins 1932a:212).

Opler (pers. comm.) reports a specimen (ID uncertain) taken by Calkins in Scott County, 5 October 1932 and now at USNM.

- 74) *Artogeia rapae* (Linnaeus). Imported Cabbage White. Common statewide. Abundant at Lawrence since March 1880 (Snow 1881:[99]). We have specimens from all 105 counties. Flight period: east, 15 March - 25 October; west, "late February" - 28 October. Three or more broods. Habitat: gardens, fields, roadsides, disturbed areas, riparian. Food plants: wintercress (*Barbarea*), mustard (*Brassica*), peppergrass (*Lepidium*).
- 75) *Ascia monuste* (Linnaeus). Great Southern White. Accidental. V.F. Calkins (1936:66) took 1 in Scott County, 6 July 1935.
- 76) *Ganyra josephina* (Godart). Amaryllis White. Accidental. Field (1940c:198) reported three specimens taken in Scott County.
- 77) *Euchloe olympia* W.H. Edwards. Olympia Marble. Uncommon statewide; few records from far west. We have specimens from 52 counties and reports from 7 others: Douglas, Harper, Pottawatomie, Riley, Sumner (Field 1940c:178); Cowley (Weniger 1945:120); Franklin (Howe 1975:pl. 71). Flight period: east, 31 March - 11 May; west, 7 April - 22 May. Univoltine; most numerous mid-April to early May. Habitat: grasslands, woodland edge, roadsides, fields, riparian border. Food plants: mustard (*Sisymbrium*), rockcress (*Arabis*).
- 78) *Falcapica midea* (Hubner). Falcate Orangetip. Common in east, west to Cowley County. We have specimens from 11 counties and reports from 5 others: Leavenworth (Field 1940c:176); Franklin (WHH); Crawford (JOT); Elk, Sumner (D&VS). Flight period: east, 10 April - 4 May. Univoltine, brief period late April to early May; very few individuals during some years, as 1985. Habitat: open deciduous woods, old fields, roadsides. Food plants: mustard (*Sisymbrium*), rockcress (*Arabis*), bittercress (*Cardamine*).
- 79) *Colias philodice* Godart. Clouded Sulphur. Abundant statewide, but usually less common than *C. eurytheme*. Considered by Calkins (1932:214) to be very rare west to Scott County in 1930's. We have specimens from 103 counties and reports from the other 2: Crawford (Randolph 1922:61); Montgomery (Field 1940c:181). Flight period: east, "early March" - "late November"; west, 7 April - 13 November. Successive broods from April to October. Habitat: any open area, but especially alfalfa fields; strongly attracted to flowers and to damp earth. Food plants: clovers (*Trifolium*), milkvetch (*Astragalus*), sweetclover (*Melilotus*), alfalfa (*Medicago*).
- 80) *Colias eurytheme* Boisduval. Alfalfa Butterfly. Abundant statewide.

We have specimens from all 105 counties. Flight period: east, 7 April - 7 December; west, 28 March - 20 November. Successive broods; males of cold weather broods are small with much yellow; warm weather broods are orange. Habitat: any open area, especially alfalfa fields; strongly attracted to flowers. Food plants: milkvetch (*Astragalus*), clovers (*Trifolium*), sweet clover (*Melilotus*), alfalfa (*Medicago*).

- 81) *Zerene cesonia* (Stoll). Dogface Butterfly. Uncommon in east, rare in west. We have specimens from 41 counties and reports from 8 others: Crawford, Greenwood, Harper, Leavenworth, Riley, Sumner (Field 1940c:182); Cowley (Weniger 1945:117); Wyandotte (JRH). Flight period: east, "late March" - 27 October; west, 11 April - 23 September. At least 2 broods; Howe (pers. comm.) and others believe that a few over winter as adults. Habitat: open woodland, woodland edge, fields, roadsides. Food plants: indigo bush (*Amorpha*), clovers (*Trifolium*).
- 82) *Anteos clorinde* (Godart). White Angled Sulphur. Accidental. Two reports (Field 1940c:183): Scott County, 2 by V.F. Calkins after a windstorm; Sedgwick County, 1 at Wichita by Robert Whittaker, 7 October 1935.
- 83) *Phoebis sennae* (Linnaeus). Cloudless Giant Sulphur. Uncommon (occasionally abundant) in east, becoming rare and irregular westward; numbers vary greatly from year to year (abundant and wide spread in 1983; very few in 1985). Large movements have been reported some years (e.g. Howe, 1975: 368). We have specimens from 40 counties and reports from 9 others: Crawford, Osborne, Riley, Scott, Sedgwick, Sumner (Field 1940c:185); Hamilton, Kingman, Saline (sightings, CAE). Flight period: east, 5 July - 2 December; west, 13 June - 4 October. Probably 1 local brood and additional immigrants. Habitat: roadsides, gardens. Food plant: senna (*Cassia*).
- 84) *Phoebis philea* (Johansson). Orange-barred Giant Sulphur. Accidental. Single specimens were taken in Scott County (August 1932) and Greenwood County (2 August 1939) (Field 1940c:186).
- 85) *Phoebis agarithe* (Boisduval). Orange Giant Sulphur. Irregular immigrant. We have specimens from 3 counties and reports from 4 others: Scott (about 4 specimens), Sumner, Greenwood (Field 1940c:186); Franklin (30 March 1945, Howe 1958:212). Flight period: east, 30 March; west, 4 September - 24 September.
- 86) *Aphrissa statira* (Cramer). Statira. Accidental. Field (1940c:187) reported five specimens in fall in Scott County.

- 87) *Kricogonia lyside* (Godart). Lyside Butterfly. Irregular immigrant north to Wallace, Osborne and Douglas counties. Apparently has bred in Scott (1931) and Ellis (1981) counties. We have specimens from 6 counties and reports from 7 others: Douglas, Greenwood, Hamilton, Harper, Scott (Field 1940c:188); Barber (JDP); Sumner (D&VS). Flight period: east, 11 April - 2 July; west, 20 April - 25 June. Habitat: prairies, alfalfa fields. Food plant: lignumvitae (*Porlieria*).
- 88) *Eurema mexicana* (Boisduval). Mexican Yellow. Irregular immigrant north to Greeley, Ellis, Riley and Douglas counties. Said to be plentiful in 1 year in Scott County (Calkins 1932a:214). Snow (1876:31) reported "Not seen in former years, but appearing in abundance during the first week in November 1875." We have specimens from 14 counties and reports from 11 others: Douglas, Greenwood, Crawford, Harper, Osage, Riley, Scott (Field 1940c:189); Cowley (Weniger 1945:117); Franklin (Howe 1975:pl. 72); Shawnee (Whittaker and Stallings 1944:87); Johnson (JRH). Flight period: east, 11 April - 20 November; west, 19 June - 20 July. Probably 2 broods. Habitat: woodland edge, roadsides, fields. Food plant: senna (*Cassia*).
- 89) *Pyrisitia proterpia* (Fabricius). Tailed Orange. Accidental. Rolfs collected 1 in Ellis County, 3 October 1981 (and saw a second a few days later) and Tom Labeledz collected a second unworn specimen on 20 October (Ely, *et al.* 1984:257). Howe (1974:296) collected a tattered female (probably a wind-blown stray) in Franklin County, 15 October 1973.
- 90) *Pyrisitia lisa* (Boisduval and Le Conte). Lisa Yellow. Regular immigrant; probably statewide but not yet recorded from northwest. We have specimens from 79 counties and reports from 3 others: Scott (Field 1940c:191); Gray, Ness (sightings, CAE). Flight period: east, 11 June - "early December"; west, 7 June - 25 October. Probably 2 broods. Habitat: fields, roadsides, disturbed areas. Food plants: senna (*Cassia*), clovers (*Trifolium*).
- 91) *Abaeis nicippe* (Cramer). Sleepy Orange. Uncommon statewide but few records from northwest. We have specimens from 70 counties and reports from 3 others: Clark, Harper, Scott (Field 1940c:190). Flight period: east, 18 May - 27 October; west, 21 April - 3 November. Two broods. Habitat: old fields, riparian edge, roadsides, alfalfa. Food plant: senna (*Cassia*).
- 92) *Nathalis iole* Boisduval. Dainty Sulphur. Common immigrant statewide; may overwinter in east (WHH). We have specimens from all 105 counties. Flight period: east, 21 April - 15 November; west, 11 April - 8 November. At least 2 broods. Habitat: disturbed areas,

fields, roadsides. Food plants: sneezeweed (*Helenium*), filaree (*Erodium*), fetid marigold (*Dyssodia*), beggarticks (*Bidens*), marigold (*Tagetes*).

LYCAENIDAE

- 93) *Feniseca tarquinius* (Fabricius). Harvester. Apparently rare and local in east, westward to Sumner and Butler counties. We have specimens from 3 counties and reports from 3 others: Sumner (Stallings and Turner 1946:110); Franklin (WHH; USNM); Johnson (John Masters). Flight period: east, 30 March - 29 September. Probably 2 broods. Habitat: riparian, damp woods. Food plant: wooly aphids on alder (*Alnus*), currant (*Ribes*).
- 94) *Lycaena phlaeas* (Linnaeus). Small Copper. Rare in northeast, west to Pottawatomie. Considered "very common" in Douglas County, October 1932 (Field 1940b:28). We have specimens from 3 counties and reports from 5 others: Pottawatomie (Field 1940c:158); Johnson (Howe 1963:120); Scott (Field 1940b:28) (probable error); Franklin (1 specimen, 11 Oct. 1971, WHH); Riley (USNM, Opler *vide* RES). Flight period: east, 28 April - 11 October. Probably 2 broods. Habitat: lowlands (disturbed areas, old fields, roadsides). Food plants: dock, sheep sorrel (*Rumex*).
- 95) *Gaeides xanthoides* (Boisduval). Great Copper. Uncommon statewide. We have specimens from 79 counties and reports from 4 others: Douglas, Johnson, Pottawatomie, Riley (Field 1940c:159). Flight period: east, 23 May - 13 August; west, 19 April - 21 July. Univoltine. Habitat: prairie, roadsides, riparian. Food plants: docks (*Rumex*).
- 96) *Hylolycaena hyllus* (Cramer). Bronze Copper. Locally uncommon statewide. We have specimens from 65 counties and reports from 8 others: Scott, Wallace (Field 1940c:160); Cowley (Weniger 1945:116); Johnson (Howe 1975:pl. 55); Leavenworth (JDP); Labette, Cherokee, (USNM, Opler *vide* RES); Elk (D&VS). Flight period: east, 10 May - 7 October; west, 19 May - 27 September. Probably 2 broods. Habitat: moist areas (riparian, roadsides, ditches). Food plants: dock (*Rumex*), knotweed (*Polygonum*).
- 97) *Epidemia helleoides* (Boisduval). Purplish Copper. Accidental. One reported from Scott County by Calkins (1932c:258); one collected by Jeremy Kuhn, Ellis County, 14 October 1982.
- 98) *Atlides halesus* (Cramer). Great Blue Hairstreak. Accidental. Schwilling collected a slightly worn individual in Barton County, probably late July in 1971 or 1972. One was previously reported

from Sumner County, 15 June 1944 (Stallings and Turner 1945:111).

- 99) *Phaeostrymon alcestis* (W.H. Edwards). Alcestis Hairstreak. Status uncertain; presently recorded in southern Kansas west to Finney County, north to Lane, Rush and Greenwood counties. We have specimens from 11 counties and reports from 2 others: Sumner County (Stallings 1941c:63); Finney County (DJF). Flight period: east, 1 June - mid-July; west, 12 June - 29 July. Univoltine. Food plant: soapberry (*Sapindus*).
- 100) *Harkenclenus titus* (Fabricius). Coral Hairstreak. Uncommon in eastern 2/3, west to Smith, Scott and Clark counties. We have specimens from 21 counties and reports from 7 others: Greenwood, Linn, Pottawatomie, Sumner (Field 1940c:150); Morris, Leavenworth (JDP); Johnson (JRH). Flight period: east, 1 June - 24 July; west, 12 June - 9 August. Univoltine. Habitat: brushy fields, roadsides, riparian. Food plants: cherry (*Prunus*), service berry (*Amelanchier*).
- 101) *Satyrium acadica* (W.H. Edwards). Acadian Hairstreak. Rare and local, chiefly in northern half. We have specimens from 7 counties and reports from 2 others: Douglas, Scott (Field 1940c:149). Flight period: east, 16 June; west, 14 June - 24 July. Univoltine. Habitat: riparian. Food plants: willows (*Salix*).
- 102) *Satyrium edwardsii* (Grote and Robinson). Edward's Hairstreak. Accidental. Howe (1975:pl. 54) illustrates two specimens from Johnson County (JRH). Field (1940c:148) reported about 8 specimens from Douglas County, June 1936. The specimen reported by Crevecoeur (1922:377) was reidentified (by Field) as *S. calanus*. Opler (*vide* RES) reports specimen from Leavenworth County in USNM.
- 103) *Satyrium calanus* (Hubner). Falacer Hairstreak. Uncommon in east, rare and local westward to Phillips, Ellis and Barber counties. We have specimens from 16 counties and reports from 5 others: Linn, Pottawatomie (Field 1940c:147); Barber, Johnson, Wyandotte (JRH). Flight period: east, 31 May - "3rd week July"; west, 15 May - 25 June. Univoltine. Habitat: woodland edge, roadsides, clearings, riparian. Food plants: oak (*Quercus*), walnut (*Juglans*).
- 104) *Satyrium caryaevorum* (McDunnough). Hickory Hairstreak. Max Cowley took a damaged specimen (ID by R.E. Stanford) in Doniphan County, 24 June 1984. Also reported from Johnson ("very numerous," Prairie Village, JRH) and Labette (USNM, Opler, *vide* RES) and Leavenworth (11 July 1982, JPF) counties.

- 105) *Satyrium liparops* (Le Conte). Striped Hairstreak. Rare in northeast, west to Riley, Sheridan and Decatur counties. We have specimens from 6 counties and reports from 4 others: Douglas, Pottawatomie, Riley (Field 1940c:148); Johnson (Howe 1975:pl. 54) (JRH). Flight period: east, 1st week - 30 June; west, 4 June. Univoltine. Habitat: woodland edge, old fields. Food plants: oak (*Quercus*), willow (*Salix*), plum, cherries (*Prunus*).
- 106) *Tmolus azia* (Hewitson). Azia Hairstreak. Accidental. One specimen (reported originally as *T. leda*) from Sumner County (Stallings 1944:80). It was collected "first 2 or 3 days of June" after a tropical storm (D&VS, pers. comm.).
- 107) *Calycopis cecrops* (Fabricius). Cecrops Hairstreak. Rare in extreme southeast, northwest to Woodson and Franklin counties. We have specimens from 3 counties (Cherokee, Crawford, Woodson) and reports from 2 others: Franklin (WHH); Johnson (Shawnee Mission Park, JRH). Flight period: east, 4 May - 25 August. Probably 2 broods. Habitat: woodland edge, fields. Food plant: detritus of forest floor.
- 108) *Calycopis isobeon* (Butler and H. Druce). Beon Hairstreak. Accidental. Field (1940c:143) reported a single specimen taken in Sumner County in September.
- 109) *Mitoura gryneus* (Hubner). Olive Hairstreak. Probably statewide but local; most common in central part. We have specimens from 26 counties and reports from 6 others: Franklin (WHH); Johnson (Masters 1967:120); Gray, Thomas (sightings, CAE); Nemaha (sighting, MDS); Montgomery (USNM, Opler, *vide* RES). Flight period: east, 16 April - 16 August; west, 12 April - 29 August. Univoltine. Habitat: wherever red cedar occurs (windbreaks, cemeteries, etc.); also strongly attracted to nearby flowers. Food plant: red cedar (*Juniperus virginiana*).
- 110) *Incisalia henrici* (Grote and Robinson). Henry's Elfin. Rare and local in east, north and west to Cowley, Wabaunsee and Wyandotte counties. We have specimens from 13 counties and reports from 11 others: Cowley, Greenwood (Field 1940c:152); Johnson (Howe 1975:pl. 50); Crawford (JOT); Wyandotte (JRH); Atchison, Jefferson, Lyon, Osage, Shawnee, Woodson (sightings, MDS). (Includes report from Douglas County (Snow 1876:34) erroneously reported as *I. irus*). Flight period: east, 2 April - 12 May and "July." Univoltine. Habitat: open woods and woodland edge. Food plant: red bud (*Cercis*).
- 111) *Euristrymon ontario* (W.H. Edwards). Ontario Hairstreak. Rare and local in southeast, north and west to Douglas, Greenwood and

- Sumner counties. We have specimens from 3 counties and reports from 4 others: Douglas (Field 1940c:145); Sumner (Stallings 1941a:16); Johnson, Wyandotte (JRH). Flight period: east, 4 May - 15 June. Univoltine. Habitat: woodland edge. Food plants: oaks (*Quercus*).
- 112) *Parrhasius m-album* (Boisduval and Le Conte). White-m Hairstreak. Accidental. Snow (1881:[99]) took a specimen in Cherokee County, 22 May 1877 and Howe (1975:pl. 49) illustrates specimens from Franklin and Douglas counties (Baldwin Hill). J.D. Preston (pers. comm.) took 1 in Lawrence, Douglas County, 23 September 1978. J.R. Heitzman (pers. comm.) has additional records from Johnson County.
- 113) *Strymon melinus* Hubner. Gray Hairstreak. Abundant statewide. We have specimens from all 105 counties. Flight period: east, 20 March - 20 November; west, 17 March - 17 November. At least 2 broods. Habitat: any open area (prairies, roadsides, alfalfa fields; strongly attracted to flowers. Food plants: at least 46 genera in 21 families including: mallow (*Malva*), knotweed (*Polygonum*), clovers (*Trifolium*), hawthorn (*Craetaegus*), bean (*Phaseolus*), vetch (*Vicia*), alfalfa (*Medicago*).
- 114) *Brephidium exilis* (Boisduval). Western Pygmy Blue. Rare in central and western parts; east to Osborne and Greenwood counties. We have specimens from 10 counties and reports from 6 others: Greenwood, Hamilton, Harper, Scott, Sumner (Field 1940c:163); Gove (RLH). Flight period: east, 7 August - 5 September; west, 26 May - 13 November. Probably 2 broods. Habitat: fields, roadsides, flower beds. Food plants: goosefoot (*Chenopodium*), saltbush (*Atriplex*).
- 115) *Leptotes cassius* (Cramer). Cassius Blue. Accidental or "import." Singles reported from Douglas (24 July 1935) and Scott (4 July 1935) counties by Field (1940c:164). Also 3 in Douglas County, 15 June 1975 by Douglas (1976:206).
- 116) *Leptotes marina* (Reakirt). Marine Blue. Uncommon in western 2/3, east to Pottawatomie, Douglas and Cowley counties. We have specimens from 49 counties and reports from 7 others: Franklin (Howe 1975:pl. 57); Cowley (Weniger 1945:116); Riley (KSU); Douglas, Harper, Rawlins, Scott (Field 1940c:165). Flight period: east, 10 July - 17 October; west, 26 May - 7 November. Probably 2 broods. Habitat: fields, roadsides, alfalfa fields, flower beds. Food plants: alfalfa (*Medicago*), false indigo (*Amorpha*).
- 117) *Zizula cyna* (W.H. Edwards). Cyna Blue. Accidental. Reported from Sumner County, 3 April 1940 by Stallings (1941b:21). Also

specimen in USNM (Opler, *vide* RES) from Douglas Co.

- 118) *Hemiargus ceraunus* (Fabricius). Antillean Blue. Accidental. One specimen was taken in Greeley County, 20 July 1984 by Ely and Rolfs.
- 119) *Hemiargus isola* (Reakirt). Isola Blue. Common statewide but chiefly in west and rare in southeast. According to Calkins (1932:258) first appeared in Scott County in 1928 but soon became an abundant species. We have specimens from 72 counties and reports from 6 others: Douglas, Greenwood, Leavenworth, Pottawatomie (Field 1940c:166); Johnson (JRH); Labette (USNM, Opler, *vide* RES). Flight period: east, 20 April - 16 November; west, 1 May - 8 November. At least 2 broods. Habitat: fields, roadsides, alfalfa fields, flower beds. Food plant: indigo (*Indigofera*).
- 120) *Everes comyntas* (Godart). Eastern Tailed Blue. Abundant statewide, but less common in far west. We have specimens from 104 counties. Flight period: east, 7 April - 31 October; west, 21 April - 10 October. Probably 3 broods. Habitat: fields, prairies, roadsides, alfalfa fields. Food plants: clovers (*Trifolium*), lespedeza (*Lespedeza*), tickclover (*Desmodium*), alfalfa (*Medicago*), sweetclover (*Melilotus*).
- 121) *Celastrina ladon* (Cramer). Spring Azure. Common statewide but few records from southwest. We have specimens from 71 counties and reports from 4 others: Scott (Field 1940c:173); Pratt, Republic (sightings, CAE); Cowley (Weniger 1945:120). Flight period: east, "early March" - 2 October; west, 30 April - 31 October. Probably 2 broods. Habitat: open woods, roadsides, riparian, parks and yards. Food plants: dogwood (*Cornus*), wingstem (*Actinomeris*), New Jersey tea (*Ceanothus*), sumac (*Rhus*), cherry (*Prunus*).
- 122) *Glaucopsyche lygdamus* (Doubleday). Silvery Blue. Rare in west (to Ellis County) and in southcentral. We have specimens from 5 counties and reports from 1 other: Scott (Field 1940c:172). Flight period: west, 7 April - 22 May. Univoltine. Habitat: fields, roadsides, riparian. Food plants: milkvetch (*Astragalus*), lupines (*Lupinus*).
- 123) *Lycaeides melissa* (W.H. Edwards). Melissa Blue. Common in western 2/3, east to Republic, Lyon and Barber counties (also Geary). We have specimens from 53 counties and reports from 1 other: Geary (RLH). Flight period: east, 1 May - 2 October; west, 29 April - 11 October. Two broods. Habitat: alfalfa fields, roadsides, flower beds. Food plants: milkvetch (*Astragalus*), alfalfa (*Medicago*).
- 124) *Icaricia acmon* (Westwood and Hewitson). Acmon Blue. Uncommon

in west, east to Jewell and Sumner counties. We have specimens from 12 counties and reports from 5 others: Gove, Scott, Sumner, Wallace (Field 1940c:171); Barber (JRH). Flight period: east, 28 May - 12 September; west, 11 May - 8 November. Probably 2 broods. Habitat: prairies, alfalfa fields, roadsides. Food plants: milkvetch (*Astragalus*), locoweed (*Astragalus*), wild buckwheat (*Erigonum*).

LIBYTHEIDAE

- 125) *Libytheana bachmanii* (Kirtland). Snout Butterfly. Common in east, less common westward; fluctuates greatly in numbers from year to year. Immigration reported in Franklin County in fall 1971 (Howe 1975:258). We have specimens from 52 counties and reports from 6 others: Cowley (Weniger 1945:116); Harper, Riley, Scott, Sedgwick, Sumner (Field 1940c:132). Flight period: east, May - 27 October; west, 21 April - 14 October. Two broods. Habitat: woodland edge, riparian; may occur anywhere when immigrating. Food plant: hackberry (*Celtis*).

HELICONIIDAE

- 126) *Agraulis vanillae* (Linnaeus). Gulf Fritillary. Irregular immigrant north to Scott, Ellis, Riley and Leavenworth counties. We have specimens from 7 counties and reports from 11 others: Cowley (Weniger 1945:116); Atchison, Douglas, Harper, Riley, Scott, Sedgwick, Sumner (Field 1940c:125); Franklin (WHH); Johnson (JRH); Leavenworth (JDP). Flight period: east, 14 June - 28 November; west, 12 May - 25 September. Univoltine. Habitat: overgrown fields and gardens. Food plant: passion flower (*Passiflora*).
- 127) *Heliconius charitonius* (Linnaeus). Zebra Butterfly. Accidental. Reported from Harper and Scott counties by Field (1940c:126). The Scott County report was of a worn individual taken two days after a terrific wind and dust storm (Calkins 1932b:225). More recently reported from Barton County: specimen, 14 July 1966 (Ed Martinez) and 1 seen in 1970 or 1971 (MDS).

NYMPHALIDAE

- 128) *Euptoieta claudia* (Cramer). Variegated Fritillary. Common statewide, especially in west. We have specimens from all 105 counties. Flight period: east, 14 April - "late" November; west, 28 March - 7 November. Two broods. Habitat: prairies, fields, roadsides; attracted to flowers. Food plants: violets, pansy (*Viola*), passion

- flower (*Passiflora*), may apple (*Podophyllum*), stonecrop (*Sedum*), purslane (*Portulaca*).
- 129) *Speyeria cybele* (Fabricius). Great Spangled Fritillary. Common in eastern half, west to Osborne, Ellis and Barber counties; irregular westward to Decatur and Scott counties. We have specimens from 46 counties and reports from 10 others: Allen, Chautauqua, Crawford, Harper, Linn, Montgomery, Scott, Sedgwick, Sumner (Field 1940c:121); Barber (JRH). Flight period: east, "early" May - October; west, 21 June - 15 September. Univoltine. Habitat: fields, woodland edge, roadsides; strongly attracted to flowers. Food plants: violets (*Viola*).
- 130) *Speyeria aphrodite* (Fabricius). Aphrodite Fritillary. Accidental. Reported by Snow in Douglas County in 1875 (Field 1940c:122) but not taken within the next century and so deleted from the Kansas list (Howe 1975:216). D.J. Compton took a worn specimen of *ethne* near Wichita, Sedgwick County on 5 September 1981.
- 131) *Speyeria idalia* (Drury). Regal Fritillary. Uncommon in eastern two-thirds but rare westward. On occasion, may be very common locally (JDP, pers. comm.) as at McPherson Fishing Lake, mid-June 1985 (MDS). We have specimens from 47 counties and reports from 5 others: Douglas, Gove, Labette, Sedgwick (Field 1940c:120); Barber (JRH). Flight period: east, 25 May - 1 October; west, 2 June - 20 September. Univoltine. Habitat: prairies, roadsides, occasionally to flower beds. Food plants: violets (*Viola*).
- 132) *Speyeria edwardsii* (Reakirt). Edward's Fritillary. Accidental. A perfect specimen was taken on alfalfa in Rawlins County, 5 June 1981 (Ely, *et al.* 1984:257). Rolfs took a worn individual in Stanton County on 17 September 1985.
- 133) *Thessalia fulvia* (W.H. Edwards). Fulvia Crescent. Uncommon and local; presently recorded from sagebrush in the southwest and from chalk prairies in westcentral regions. First reported 28 June 1912 (Rush County, Field 1940c:118); next collected in Barton County in 1960's (3 specimens, MDS); collected regularly since 1970's. We have specimens from 19 counties (Phillips, Lincoln and Barber westward). Flight period: east, 28 May - 30 June; west, 20 April - 8 August. Univoltine. Habitat: prairie and sage brush (south); chalky outcrops in prairies (north). Food plant: Indian paintbrush (*Castilleja*).
- 134) *Chlosyne lacinia* (Geyer). Geyer's Patched Butterfly. Irregular, late summer immigrant, north to Scott, Ellis and Leavenworth counties. We have specimens from 11 counties and reports from 7 others: Franklin (Howe 1958:212); Greenwood, Harper, Leavenworth,

- Pottawatomie, Scott, Sumner (Field 1940c:111). Flight period: east, 19 July - 26 September; west, 17 June and 16 September - 10 October. Habitat: recent specimens have been taken in alfalfa fields, roadsides and flower beds. Food plants: sunflowers (*Helianthus*).
- 135) *Charidryas gorgone* (Hubner). Gorgone Crescent. Common statewide. We have specimens from 96 counties and reports from 2 others: Cherokee (Field 1940c:114); Shawnee (KSU). Flight period: east, 21 April - 10 October; west, 14 April - 30 September. Two broods. Habitat: roadsides, grasslands, waste areas, riparian; attracted to flowers. Food plants: sunflowers (*Helianthus*), asters (*Aster*).
- 136) *Charidryas nycteis* (Doubleday and Hewitson). Silvery Crescent. Common in eastern third, west to Smith, Lincoln and Pratt counties; occasional westward to Rawlins, Wallace and Scott counties. We have specimens from 50 counties and reports from 4 others: Scott, Wallace (Field 1940c:114); Cowley (Weniger 1945:115); Johnson (JRH). Flight period: east, 8 May - 17 September; west, 15 June - 13 August. Probably 2 broods. Habitat: open woodlands, riparian, roadsides. Food plants: sunflowers (*Helianthus*), asters (*Aster*).
- 137) *Anthanassa texana* (W.H. Edwards). Texas Crescent. An immigrant species (usually late summer) with scattered records statewide. We have specimens from 5 counties and reports from 11 others: Cowley (Weniger 1945:115); Franklin (Howe 1975:pl. 44); Cheyenne, Douglas, Greenwood, Harper, Riley, Scott, Shawnee, Sumner (Field 1940c:112); Crawford (JOT). Flight period: east, 21 April and 5 August - 9 November; west, 23 June - 24 September. Habitat: recent specimens have been taken at flower beds.
- 138) *Phyciodes vesta* (W.H. Edwards). Vesta Crescent. Rare immigrant, north to Scott, Ellis and Riley counties. We have specimens from 3 counties and reports from 4 others: Harper, Riley, Scott (Field 1940c:117); Cowley (Weniger 1945:115). Flight period: east, 16 June - 20 September; west, 21 April - 5 July. Habitat: prairies, but 1 recent specimen taken at flower beds.
- 139) *Phyciodes phaon* (W.H. Edwards). Phaon Crescent. Uncommon in eastern 2/3, west to Rooks, Ness and Meade counties; also Rawlins. We have specimens from 48 counties and reports from 4 others: Sumner (Field 1940c:115); Cowley (Weniger 1945:115); Crawford (JOT); Johnson (JRH). Flight period: east, 1 July - 20 October; west, 21 April - 26 October. Habitat: woodland edge, riparian, roadsides; usually near food plant. Probably 2 broods. Food plant: fogfruit (*Lippia*).

- 140) *Phyciodes tharos* (Drury). Pearl Crescent. Abundant statewide. We have specimens from all 105 counties. Flight period: east, 12 April - 6 November; west, 10 April - 17 November. Successive broods (probably 3). Habitat: any open areas (fields, prairies, roadsides, riparian, flower beds; strongly attracted to flowers). Food plants: asters (*Aster*).
- 141) *Phyciodes pratensis* (Behr). Field Crescent. Status uncertain. Reported by Field (1940c:116) from Clark and Hamilton counties.
- 142) *Phyciodes picta* (W.H. Edwards). Painted Crescent. Locally common in western quarter of state, east to Rawlins, Barton and Kiowa counties. We have specimens from 19 counties and reports from 4 others: Clark, Scott (Field 1940c:116), Ellis (J. Kuhn); Seward (DJF, *vide* RES). Flight period: east, 29 June - 22 July; west, 10 May - 18 September. Probably 2 broods. Habitat: prairies, roadsides, open areas. Food plants: asters (*Aster*).
- 143) *Euphydryas phaeton* (Drury). Baltimore. Rare and local in extreme east; presently known from 5 counties. Reported in Douglas County by Snow (1876:32) and in Crawford County by Vance Randolph (1929:90). Masters (1968:85-91) recently reported colonies in Cherokee, Douglas, Johnson and Wyandotte counties. Flight period: east, late May and early June. Univoltine. Habitat: dry, wooded hillsides. Food plant: False fox glove (*Aureolaria*).
- 144) *Polygona interrogationis* (Fabricius). Question-mark. Statewide but less common in west. We have specimens from 95 counties and reports from 2 others: Gove, Wallace (Field 1940c:75). Flight period: east, 20 March - "late" November; west, 16 May - 23 November. Two broods. Adults overwinter. Habitat: woodland edge, roadsides, riparian, orchards; strongly attracted to sap, mammal dung and rotting fruit. Food plants: nettles (*Urtica*), hops (*Humulus*), false nettle (*Boehmeria*), basswood (*Tilia*), elm (*Ulmus*).
- 145) *Polygona comma* (Harris). Comma. Probably statewide except southwest but present records north and west to Thomas, Scott, Barton and Cowley counties. We have specimens from 42 counties and reports from 1 other: Scott (Field 1940c:76). Flight period: east, 2 April - 26 October; west, 14 April - 14 November. Probably 2 broods. Adults overwinter. Habitat: riparian, forest edge, orchards, lawns. Food plants: nettles (*Urtica*), hops (*Humulus*), elm (*Ulmus*).
- 146) *Polygona progne* (Cramer). Gray Comma. Status and distribution uncertain. Most records are from east but scattered records west to Rooks and Scott counties. We have specimens from 21 counties and reports from 3 others: Scott (Field 1940c:76); Riley (sighting, CAE);

Johnson (JRH). Flight period: east, 11 April - 18 October; west, 6 July - 20 September. Probably 2 broods. Some adults overwinter. Habitat: riparian, woodland edge. Food plants: currant (*Grossularia*), gooseberry (*Ribes*).

- 147) *Nymphalis antiopa* (Linnaeus). Mourning Cloak. Uncommon statewide. We have specimens from 46 counties and reports from 14 others: Cowley (Weniger 1945:113); Seward (DJF); Crawford, Douglas, Harper, Johnson, Leavenworth, Riley, Scott, Sedgwick, Smith, Sumner (Field 1940c:80); Wyandotte (JRH); Lyon (sighting, MDS). Flight period: east, 15 March - 24 November; west, 18 March - 17 November. Univoltine. Possibly 2 broods. Adults overwinter. Habitat: riparian, woodlands, orchards; strongly attracted to sap and rotting fruit. Food plants: cottonwood (*Populus*), elm (*Ulmus*), willows (*Salix*).
- 148) *Vanessa virginiensis* (Drury). Virginia Lady. Common statewide (but less common than *V. cardui*). We have specimens from 97 counties and reports from 1 other: Cheyenne (Ferris and Brown 1981:414). Flight period: east, 1 April - 28 October; west, 27 March - 26 October. Two broods. Habitat: any open area, especially alfalfa fields, flower beds; strongly attracted to flowers. Food plants: sage (*Artemisia*), pussytoes (*Antennaria*), everlasting (*Gnaphalium*).
- 149) *Vanessa cardui* (Linnaeus). Painted Lady. Abundant statewide. We have specimens from all 105 counties. May immigrate (spring) in huge numbers some seasons. Individuals were so numerous in southwestern Kansas in 1983 as to be a hazard to driving as they flew into windshields. The flight was much less at Hays, where on 3 May we counted 2-11 individuals per minute crossing a 100 ft. front, heading NE. Flight period: east, 20 March - 20 November; west, 20 March - 20 November. Two broods. Habitat: all open habitats, especially flowering alfalfa and flower beds; strongly attracted to flowers and also rotting fruit. Food plants: over 100 species including: sunflowers (*Helianthus*), hollyhock (*Althaea*), burdock (*Arctium*), thistles (*Cirsium*).
- 150) *Vanessa annabella* (Field). West Coast Lady. Apparently casual in far west. One old (Scott County, 28 October 1935, Field 1940c:88) and 6 recent records: Ellis, Thomas and Wichita counties. Flight period: west, 27 September - 5 November. Habitat: flower beds in towns.
- 151) *Vanessa atalanta* (Linnaeus). Red Admiral. Abundant statewide. We have specimens from all 105 counties. Flight period: east, 16 March - 30 October; west, 27 March - 20 November. Habitat: riparian, roadsides, orchards, parks; attracted to both flowers and rotting fruit and sap. Two broods. Food plants: nettle (*Urtica*), false

nettle (*Boehmeria*).

- 152) *Junonia coenia* (Hubner). Buckeye. Occurs statewide but more common in east. We have specimens from 82 counties and reports from 3 others: Harper, Scott, Sumner (Field 1940c:90). Flight period: east, 1 June - 15 November; west, 30 May - 2 November. Two broods. Habitat: fields and prairies, woodland edge, roadsides, flower beds. Food plants: plantain (*Plantago*), snapdragon (*Antirrhinum*), ruellia (*Ruellia*).
- 153) *Anartia jatrophae* (Johansson). White Peacock. Accidental. V.F. Calkins (1936:66) took one in Scott County, 11 July 1935.
- 154) *Siproeta stelenes* (Linnaeus). Pearly Malachite. Accidental. V.F. Calkins took one in Scott County in 1934 (Field 1940c:92).
- 155) *Basilarchia arthemis* (Drury). Red-spotted Purple. Common in eastern third, locally westward to Republic, Ellis and Ford counties. We have specimens from 47 counties and reports from 3 others: Harper, Sedgwick, Sumner (Field 1940c:97). Flight period: east, "early" May - 27 October; west, 11 June - 15 September. Probably 2 broods. Habitat: riparian, roadsides, woodland edge; often attracted to rotting fruit, sap flows and carrion. Food plants: cherries (*Prunus*), oaks (*Quercus*), hawthorn (*Crataegus*).
- 156) *Basilarchia archippus* (Cramer). Eastern Viceroy. Common statewide. We have specimens from 93 counties. Flight period: east, 2 May - 26 October; west, 26 May - 21 October. Two broods. Habitat: chiefly riparian; sometimes attracted to rotting fruit. Food plants: willows (*Salix*), cottonwood (*Populus*).
- 157) *Basilarchia weidemeyerii* (W.H. Edwards). Weidemeyer's Admiral. Accidental. Two records: reported by Crevecoeur in "Kansas" and Henry Thomas took a specimen in Leavenworth County (Field 1940c:98).
- 158) *Adelpha bredowii* Geyer. Mexican Sister. Accidental. V.F. Calkins took one in Scott County, 2 May 1936 (Field 1940c:101).
- 159) *Eunica monima* (Stoll). Dingy Purplewing. Accidental. Reported from "Kansas" by Howe (1975:126).
- 160) *Eunica tatila* (Herrich-Schaffer). Mexican Purplewing. Accidental. The Franklin County specimen taken by Howe, 19 October 1955 (Howe 1958:211) was the nominate Mexican race (JDP, pers. comm.).
- 161) *Mestra amymone* (Ménétriés). Amymone Butterfly. Irregular im-

migrant; reported north to Scott, Shawnee and Ellis counties. We have specimens from 3 counties and reports from 6 others: Greenwood, Scott, Shawnee, Sumner (Field 1940c:73); Franklin (Howe 1958:212); near Lawrence (Overman 1913:415). Flight period: east, August - 17 October; west, August - 10 October. Habitat: fields, roadsides, flower beds.

- 162) *Marpesia petreus* (Cramer). Ruddy Daggerwing. Accidental. V.F. Calkins (1936:66) took 1 in Scott County, 6 August 1935.

APATURIDAE

- 163) *Anaea aidea* (Guérin-Ménéville). Eyed Goatweed. Accidental. Calkins (1932b:229) reported taking 3 or 4 in Scott County usually after southwest winds.

- 164) *Anaea andria* Scudder. Goatweed Butterfly. Common statewide but especially in east. We have specimens from 76 counties and reports (some of larvae) from 11 others: Cheyenne (Ferris and Brown 1981:415); Smith (Erhlich and Erhlich 1961:173); Finney, Hamilton, Seward, (DJF); Gove (RLH); Graham, Lane, Osborne, Phillips, Reno (Field 1940c:107). Flight period: east, "early" March - 9 November; west, 3 April - 18 November. Two broods. Adults overwinter. Habitat: tree groves in prairies, riparian; attracted to rotting fruit and sap but rarely to flowers. Food plant: goatweed (*Croton*).

- 165) *Asterocampa celtis* (Boisduval and Le Conte). Hackberry Butterfly. (Includes *antonia* and *montis*, Friedlander, pers. comm.) Nearly statewide, most common in eastern 2/3, west to Rawlins, Scott and Stanton counties. In some years larvae are so abundant as to defoliate host trees over wide areas (e.g. Saline County in 1983 and Chase, Douglas and Franklin counties in 1985). We have specimens from 89 counties. We have specimens of *A. c. antonia* from 23 counties, chiefly in the west but with scattered records east to Washington and Greenwood counties. Typical *celtis* specimens were taken west to Rawlins, Ford and Harper counties. Flight period: east, 8 May - 12 October; west, 23 May - 26 October. Probably 2 broods, the first much more numerous. Habitat: riparian, roadsides — wherever hackberry trees occur. Food plant: hackberry (*Celtis*).

- 166) *Asterocampa clyton* (Boisduval and Le Conte). Tawny Emperor. (Includes *texana* [Friedlander, pers. comm.] and *subpallida*). Fairly common in eastern 2/3 of state west to Rooks, Scott and Meade counties; irregular westward. We have specimens from 50 counties and reports from 2 others: Harper, Scott (Field 1940c:104). Flight period: east, 1 June - 22 September; west, 21 June - 5 October.

Probably 2 broods. Habitat: riparian, roadsides, parks. Attracted to sap flows and rotting fruit; rarely to flowers. Food plant: hackberry (*Celtis*).

SATYRIDAE

- 167) *Enodia anthedon* A.H. Clark. Northern Pearly Eye. Locally common in northeast, west to Washington, Lincoln, Ellsworth and Montgomery counties. Considerable variation in numbers from year to year. We have specimens from 15 counties and reports from 2 others: Pottawatomie (Field 1940c:65); Crawford (USNM, Opler *vide* RES). Flight period: east, 5 June - 17 October. Univoltine. Habitat: shady, riparian woodland. Attracted to moist earth and sap flows. Food plant: uniola grass (*Uniola*).
- 168) *Enodia creola* (Skinner). Creole Pearly Eye. Accidental. Three specimens reported from Crawford County during first week of August 1928 (Randolph 1929:89) but considered doubtful by Irwin (1970:147).
- 169) *Cyllopsis gemma* (Hubner). Gemmed Satyr. Rare and local in extreme east. We have specimens from 2 counties (Montgomery and Crawford) and reports from 4 others: Franklin (Howe 1958:211); Johnson (Prairie Village, 2 males, C.P. Sclater, *vide* JRH); Cherokee, Labette (USNM, Opler, *vide* RES). Flight period: east, 16 July - 25 September. Habitat: open woods, near streams. Food plant: Bermuda grass (*Cynodon*).
- 170) *Hermeuptychia sosybius* (Fabricius). Carolina Satyr. Accidental. Mrs. R. C. Turner, Jr. took one in Sumner County, 3 October 1940 (Stallings 1941b:21).
- 171) *Megisto cymela* (Cramer). Little Wood Satyr. Common in much of eastern and northern parts of state, west to Cheyenne, Sheridan and Comanche counties. We have specimens from 56 counties and reports from 3 others: Crawford, Sumner (Field 1940c:66); Wyandotte (JRH). Flight period: east, 1 May - 20 August; west, 11 June - 21 August. Probably univoltine. Habitat: grassy woodland, woodland edge, riparian. Food plant: orchardgrass (*Dactylis*).
- 172) *Megisto rubricata* (W.H. Edwards). Red Satyr. Very local in canyons of extreme south-central Kansas. We have specimens from Schwartz Canyon, Comanche County and reports from Barber County (JDP). Flight period: east, 28 May - 29 July. Univoltine. Habitat: wooded canyons in prairie. Food plant: Bermuda grass (*Cynodon*).

- 173) *Cercyonis pegala* (Fabricius). Large Wood Nymph. Common statewide. We have specimens from 95 counties and report from 1 other (Seward, DJF, *vide* RES). Flight period: east, 1 June - 7 October; west, 23 June - 22 September. Univoltine. Habitat: woodland edge, riparian, wooded ravines in prairies. Food plants: "grasses."

DANAIDAE

- 174) *Danaus plexippus* (Linnaeus). Monarch. Common statewide. We have specimens from all 105 counties. Flight period: east, 11 April - 20 November; west, 11 April - 24 November. At least 2 broods. Habitat: fields, roadsides, prairies; can occur anywhere during migration; strongly attracted to flowers. Food plants: milkweed (*Asclepias*), dogbane (*Apocynum*). Fall migratory peak is during September.
- 175) *Danaus gilippus* (Cramer). Queen. Irregular immigrant, usually rare but sometimes locally abundant or regular. We have specimens from 9 counties and reports from 14 others: Clark, Douglas, Greenwood, Harper, Labette, Sedgwick, Trego (Field 1940c:129); Franklin (sighting, 1 May 1983, WHH); Riley (KSU); Grant, Rawlins (sightings, CAE); Crawford (sighting, JDP); Johnson, Barber (sightings, JRH). Flight period: east, 24 April - 2 November; west, 15 May - 18 September. Habitat: prairies, riparian, alfalfa fields, flower beds. Food plants: milkweeds (*Asclepias*).

HYPOTHETICAL LIST

Erynnis propertius (Scudder and Burgess). Propertius Duskywing. Field (1940c:234) reported the species from Scott County on the basis of a report by Calkins (1932c:260) who reported it as *E. pacuvius* — also an error according to Burns (1964:100).

Erynnis pacuvius (Lintner). Pacuvius Duskywing. Reported from Scott County by V.F. Calkins (1932c:260), changed to *E. propertius* by Field (1940c:234) and rejected as neither by Burns (1964:158).

Pholisora mejicanus (Reakirt). Mexican Sootywing. Field (1940c:227) reported that V.F. Calkins had taken specimens ... "somewhat similar to this species" in Scott County. However, Ferris and Brown (1981:86) state that "all *mejicana*" records from Kansas have proven to be *catullus*.

Phoebis argante (Fabricius). Argante Giant Sulphur. V.F. Calkins (1936:66) reported a single specimen in Scott County, 2 July 1935 but

modern workers consider this to be *P. agarithe*.

Eurema salome (C. Felder & R. Felder). Salome Yellow. Calkins stated in letters to J.R. Heitzman (21 November 1960 and 22 April 1962) that a specimen collected by him in Scott County (in the 1930's) was recently found to be this species NOT *Eurema mexicana* as originally thought. Present location of the specimen is unknown.

Incisalia irus (Godart). Frosted Elfin. Reported by Snow (1876:34); reidentified by Field as *I. henrici* (Field 1940c:152).

Libytheana carinenta (Cramer). Southern Snout Butterfly. Because of recent statements by Field (*in Neck* 1983:122) and Friedlander (1984:141); *carinenta* is relegated to the hypothetical list pending critical re-examination of any suspected *carinenta* specimens.

Calkins (1932b:229) tentatively referred some light colored "snouts" from Scott County to this species and Howe (1975:258) reported hundreds in passage in Franklin County in September and early October 1971, and (1974:296) one, 15 October 1973. We suspect that these individuals were more likely *L. bachmanii* "larvata."

Anartia fatima (Fabricius). Fatima. Reported from "Kansas" by Howe (1975:139) but we have been unable to locate any specific report or specimen.

Marpesia chiron (Fabricius). Many-banded Daggerwing. Accidental. V.F. Calkins (1936:66) saw 1 in Scott County, 2 July 1935.

Enodia portlandia (Fabricius). Pearly Eye. Recent specimens are *E. anthedon* (JRH).

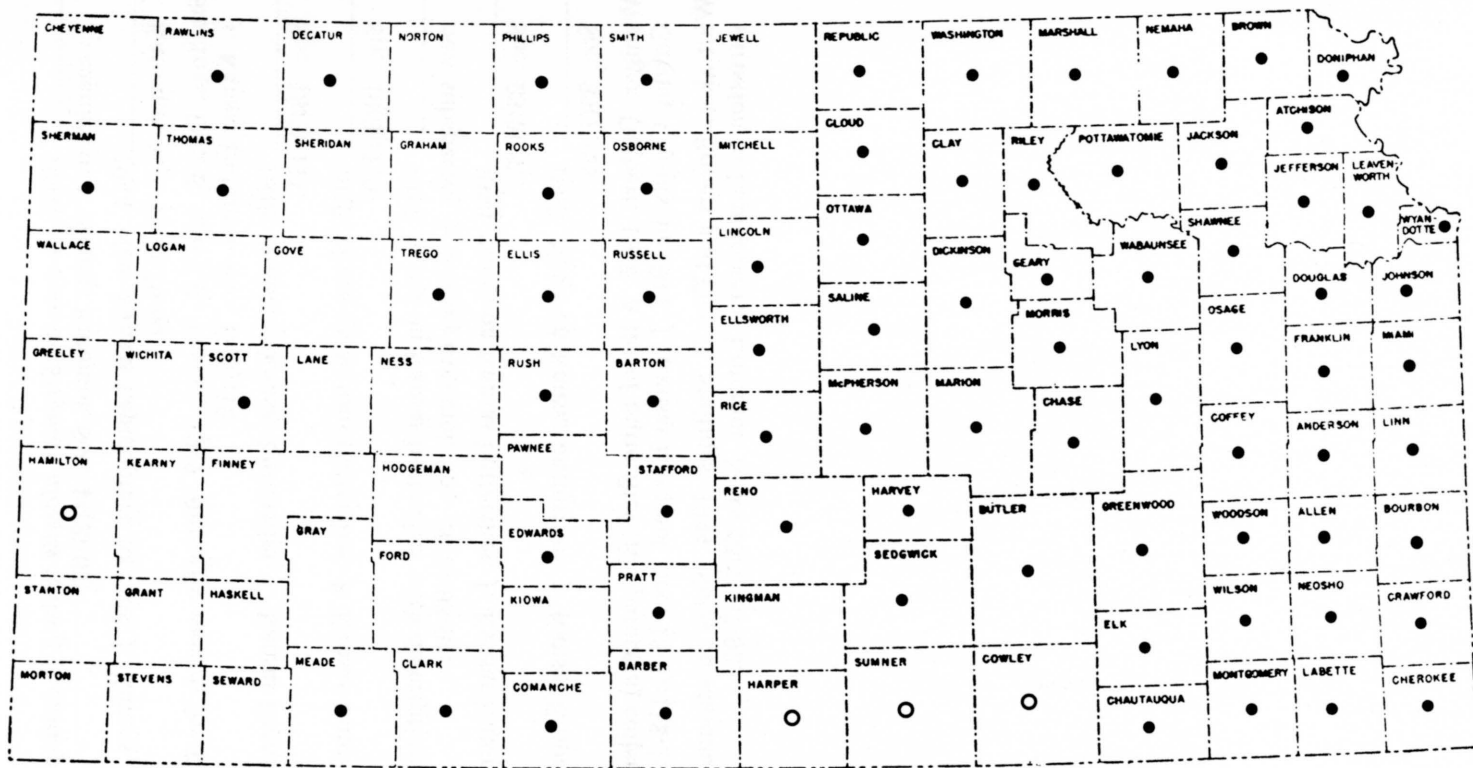
Coenonympha ochracea W.H. Edwards. Ochre Ringlet. Reported by Edwards at "Lake Winnipeg, California; Kansas" (Field 1940c:67).

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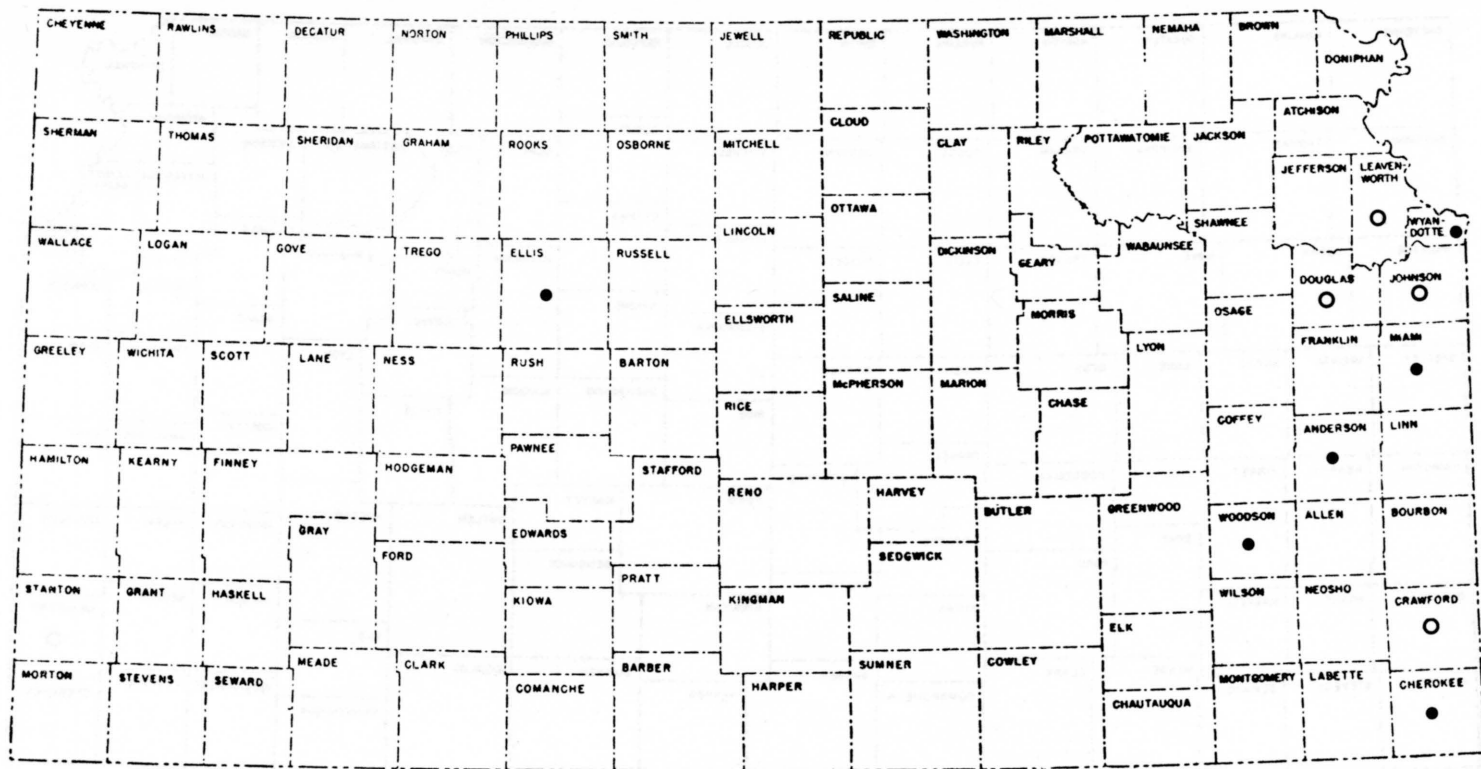
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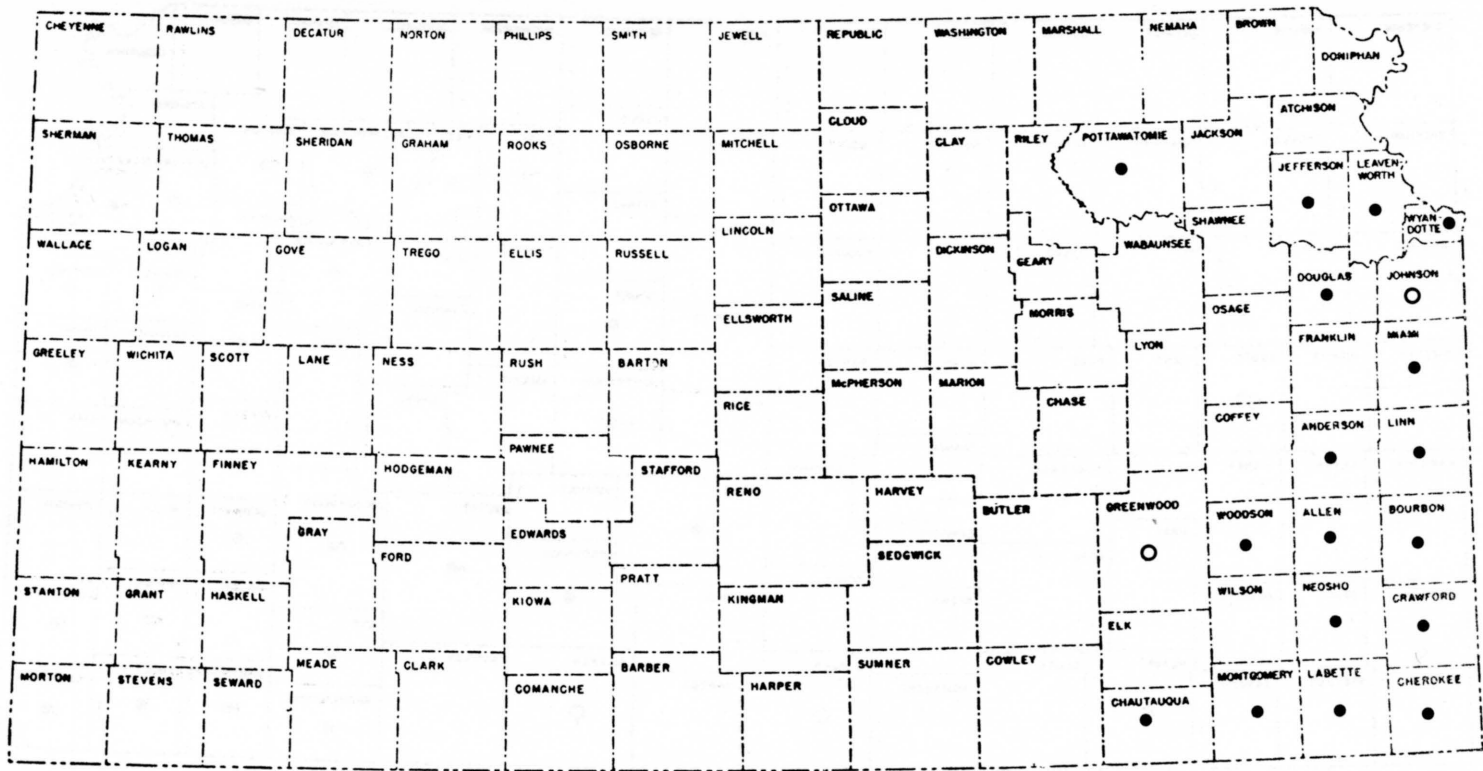
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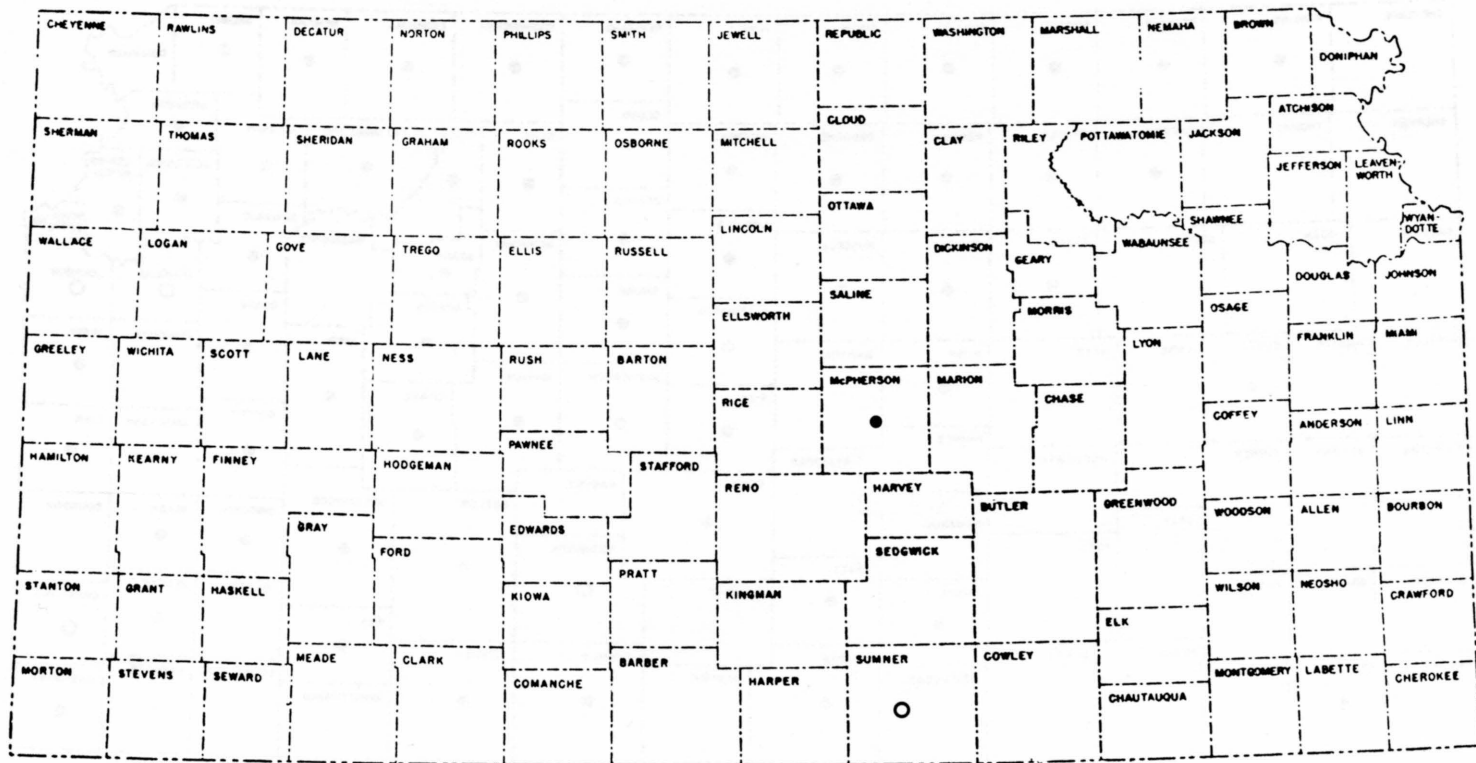
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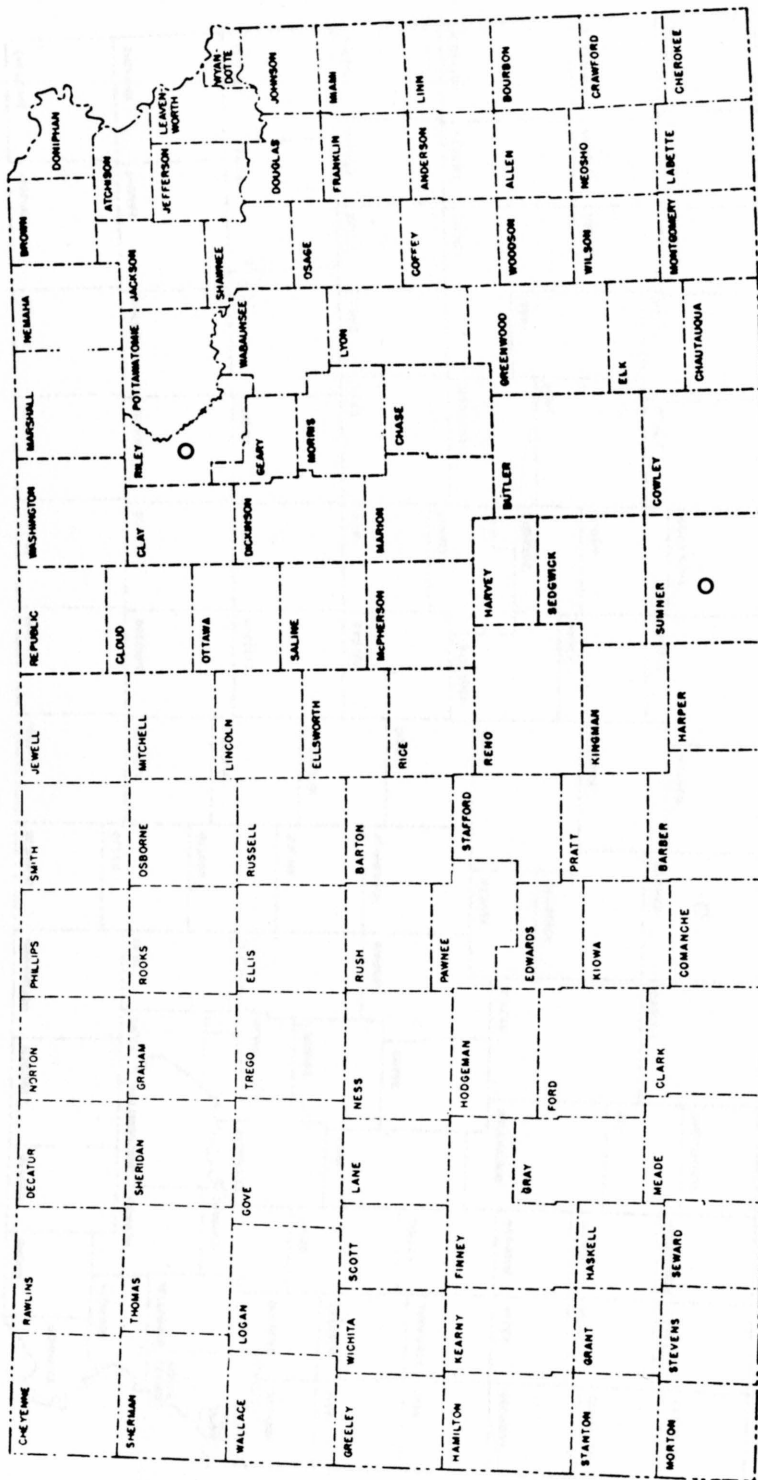
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Achalarus lyciades



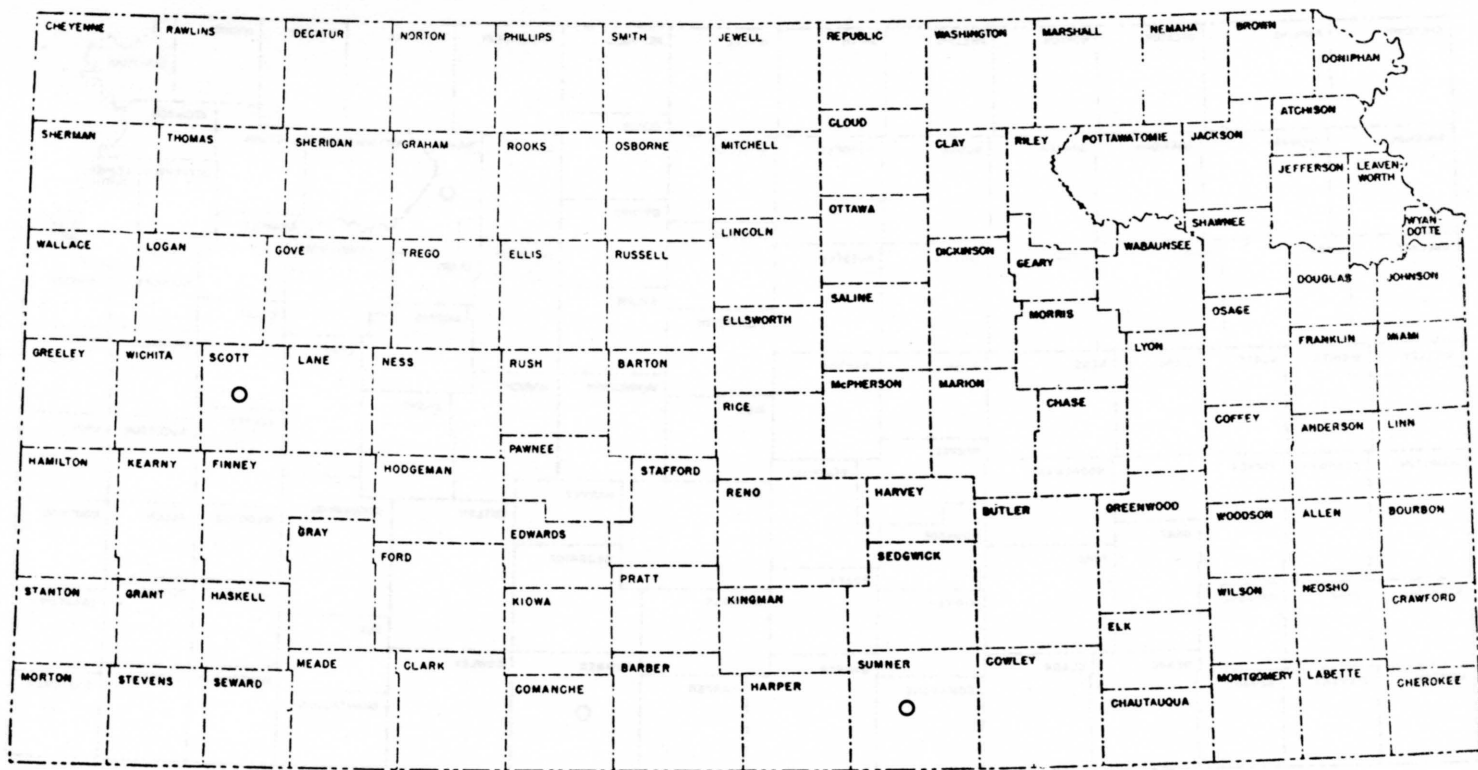
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Thorybes pylades



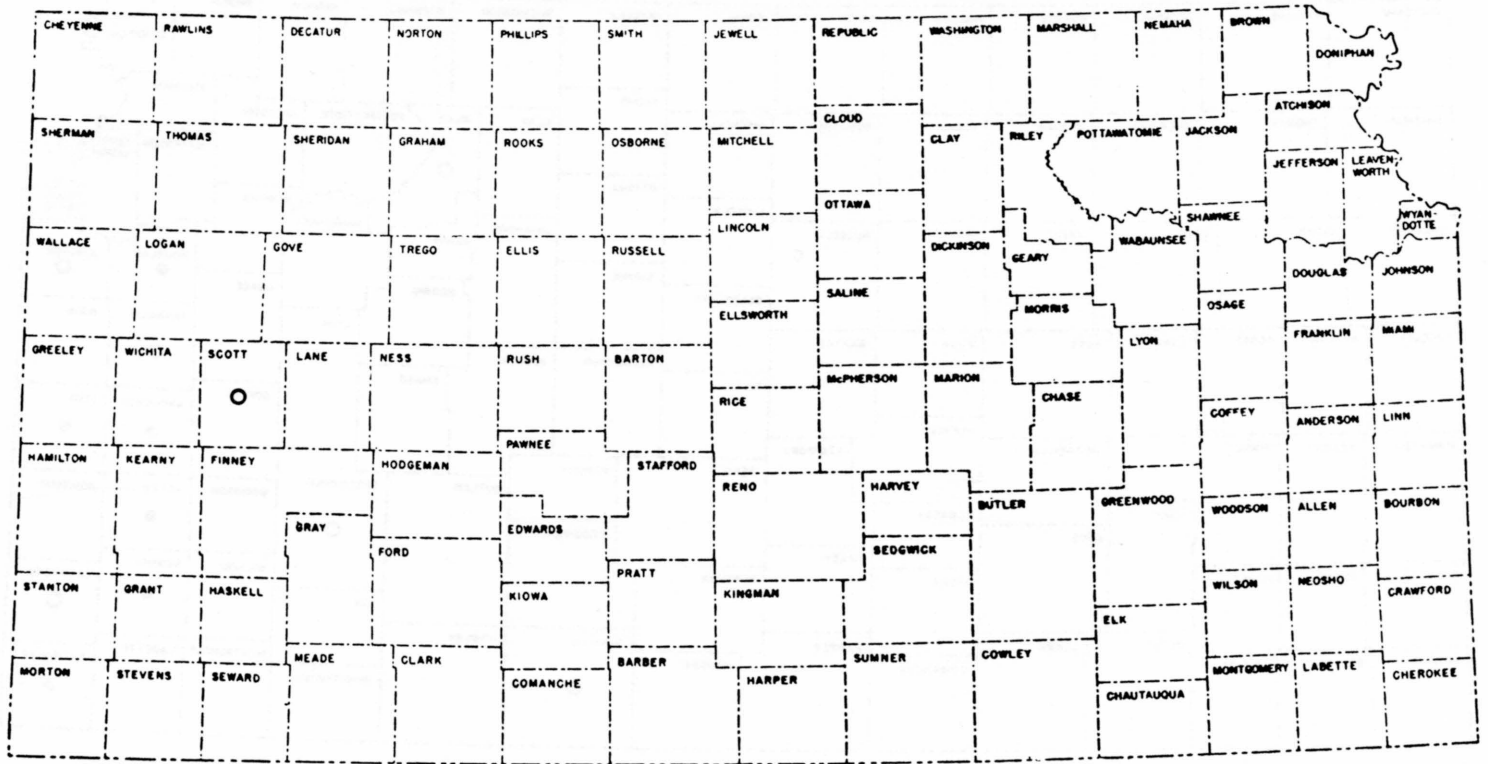
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Thorybes confusus



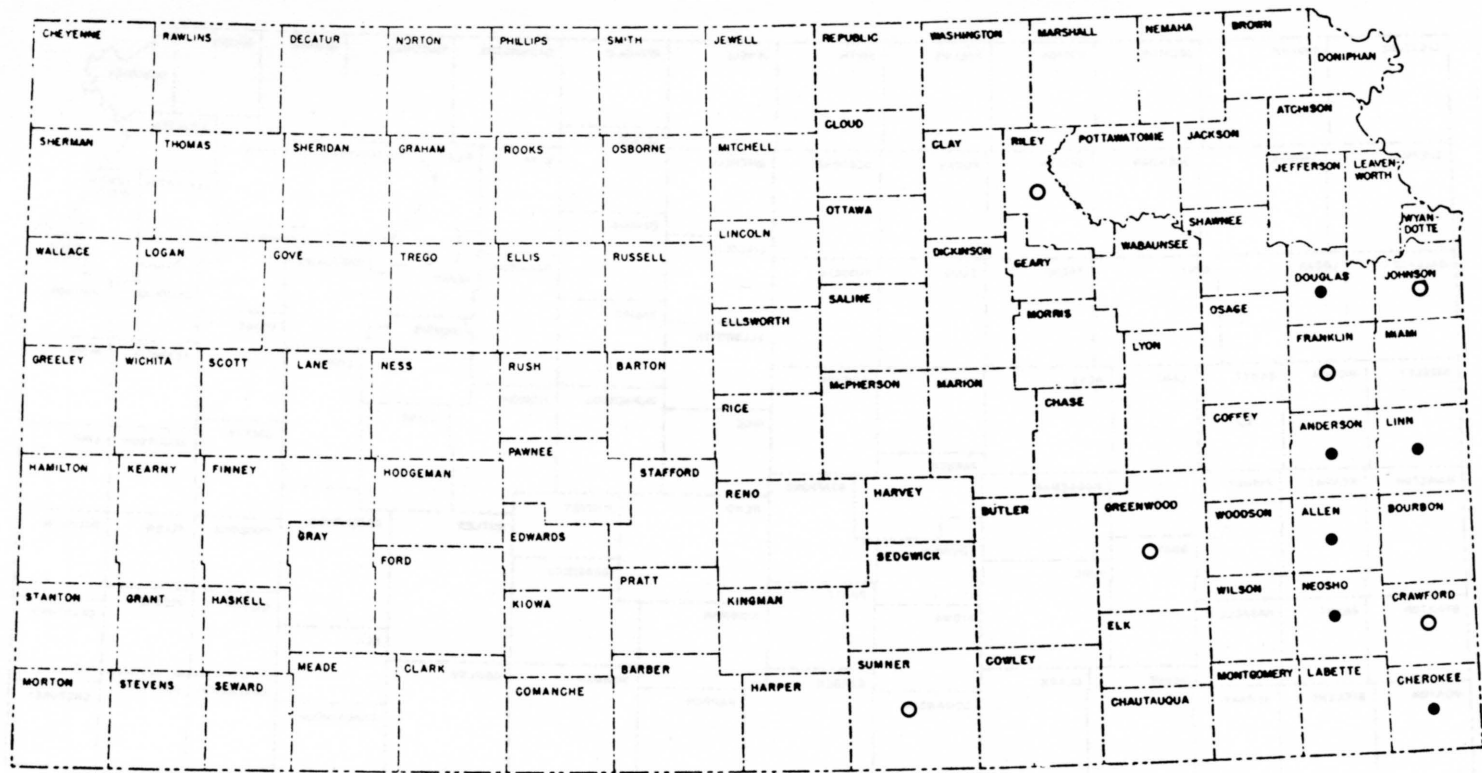
8) Sickie-winged Skipper
Achlyodes thraso



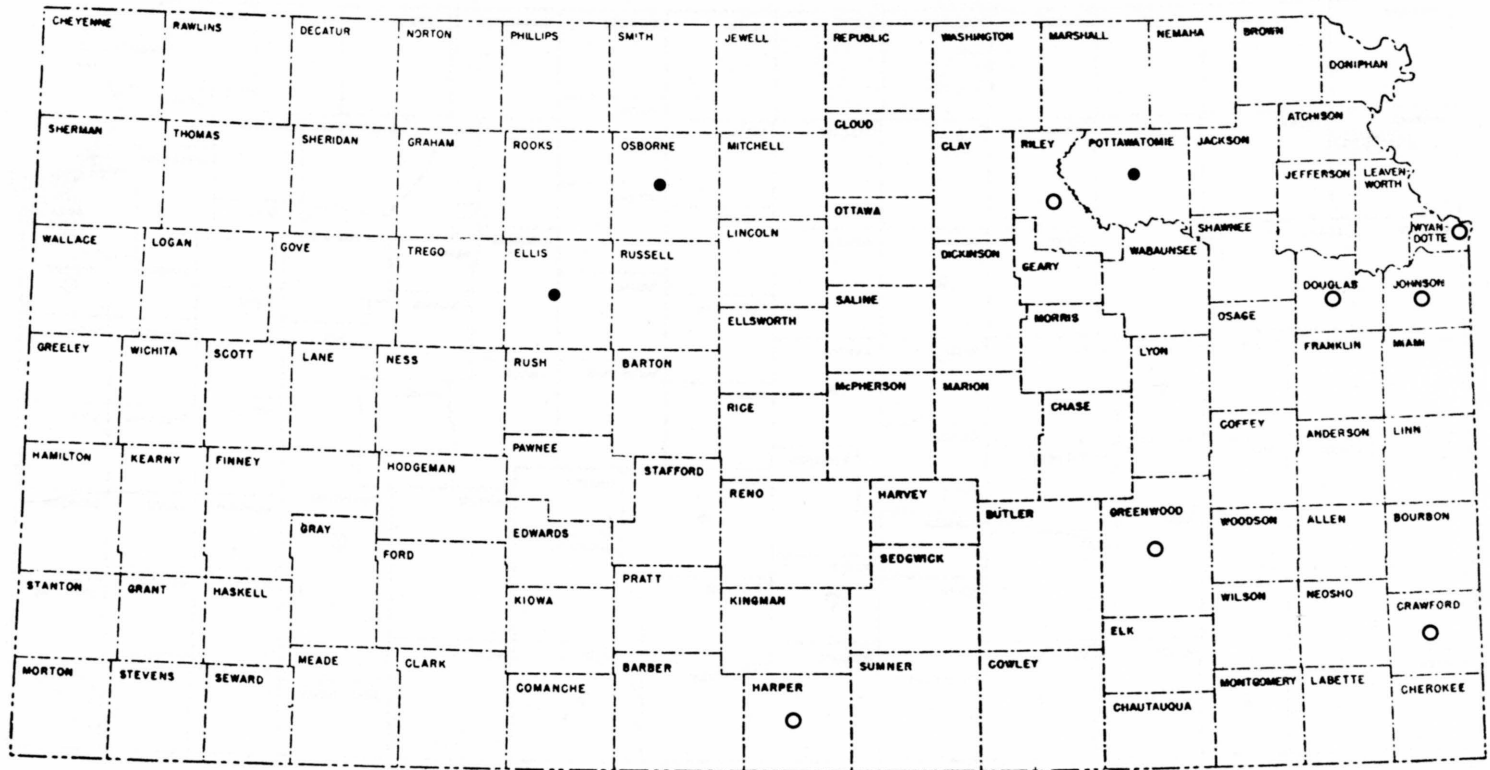
9) Stigmatic Duskywing
Graia stigmaticus



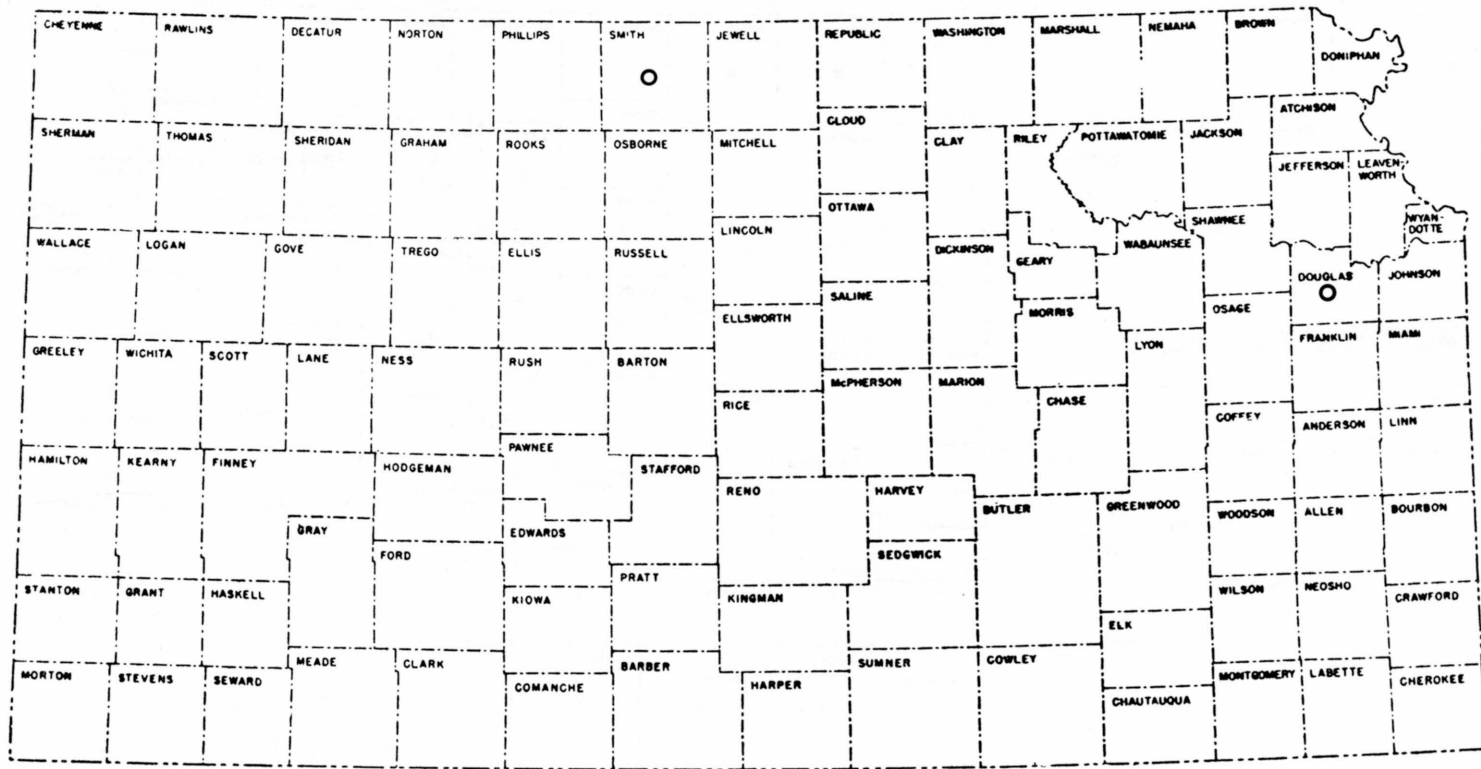
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Chiomara asychis



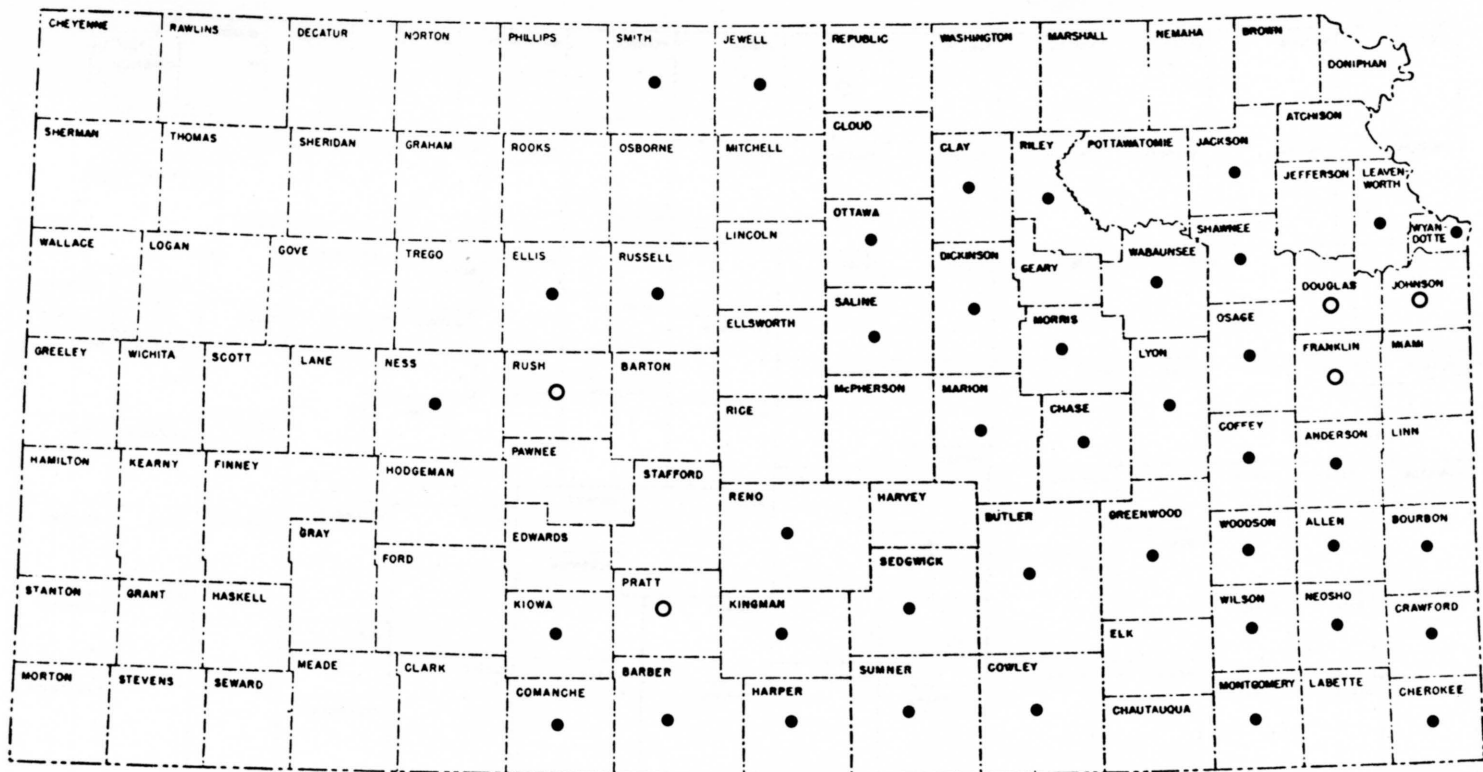
11) Sleepy Duskywing
Erynnis brizo



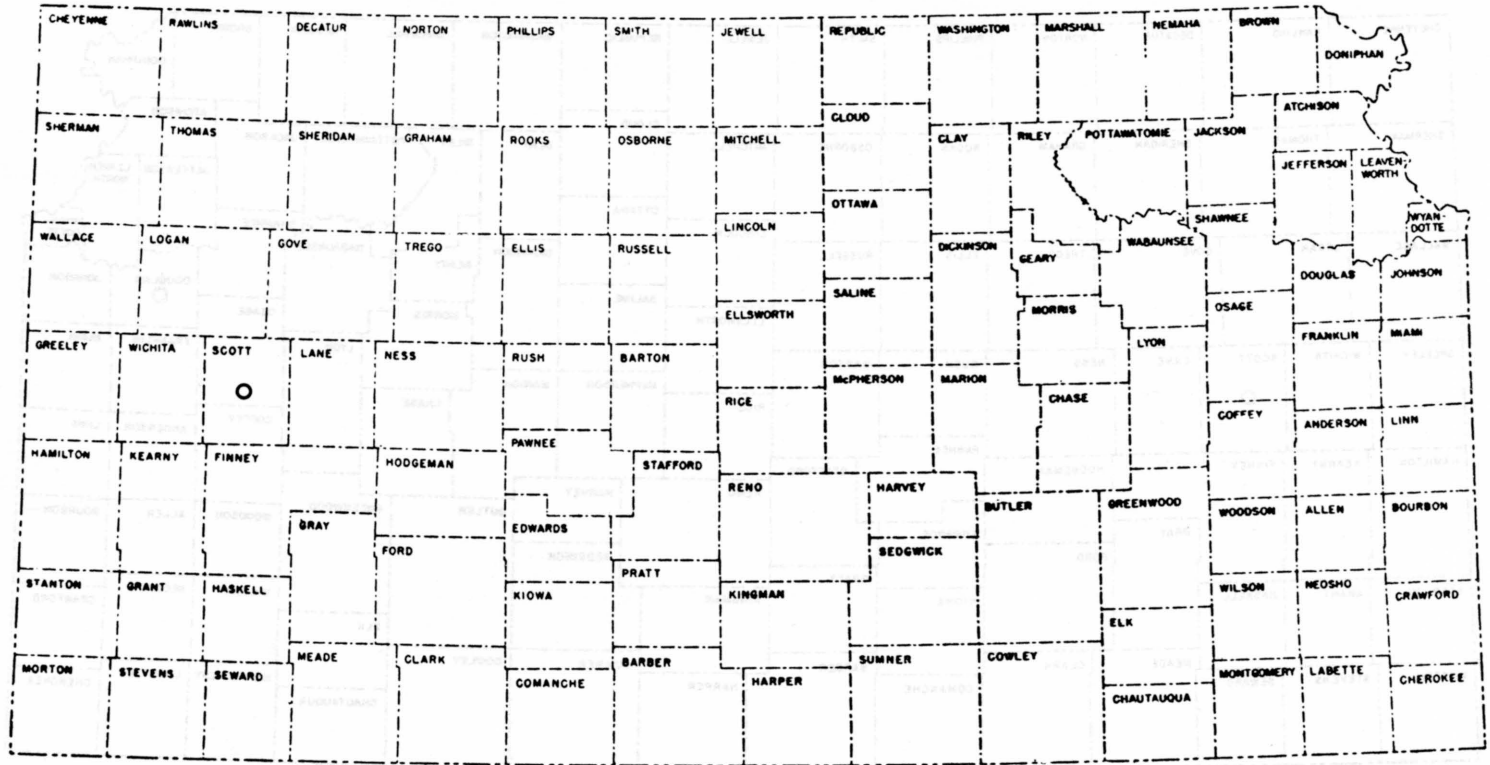
14) Mottled Duskywing
Erynnis martialis



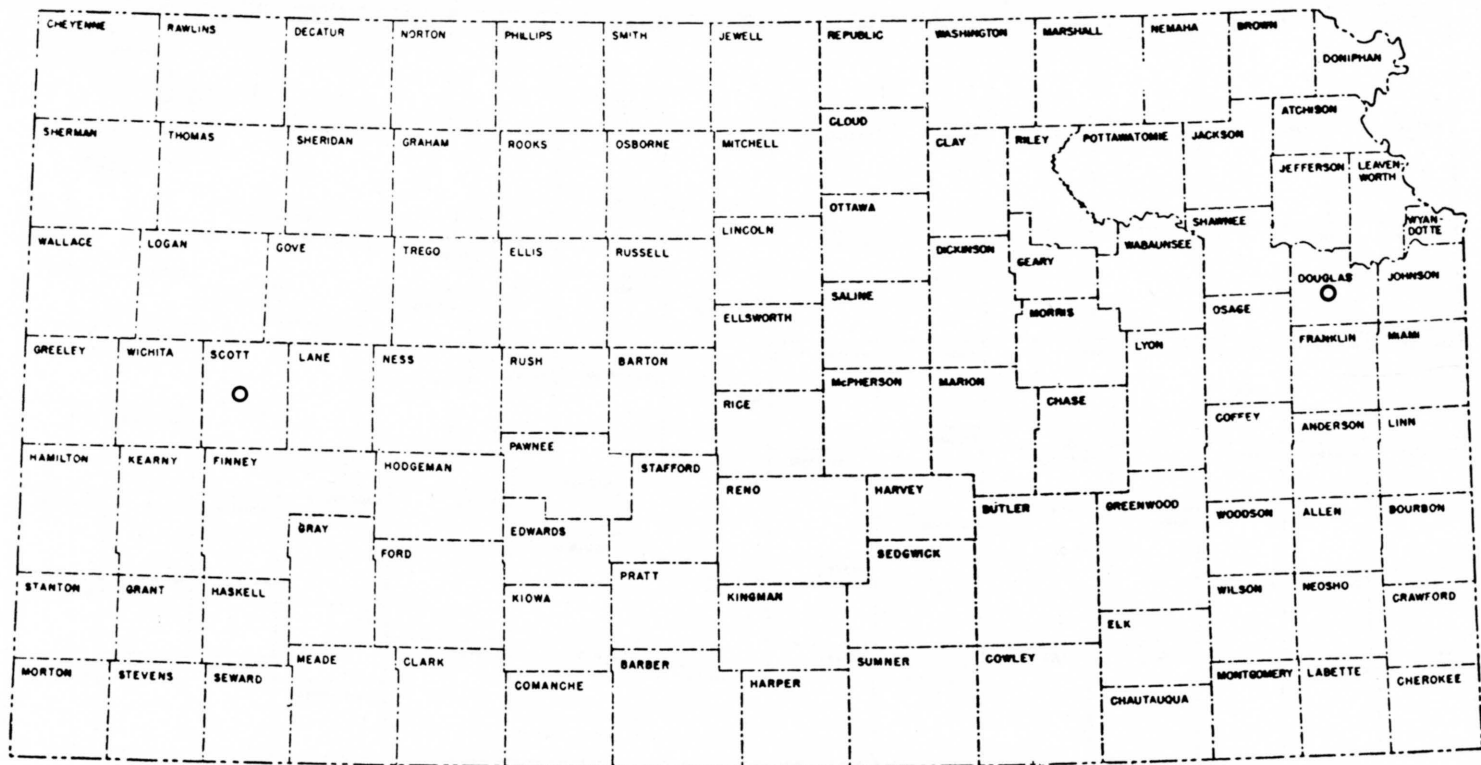
Columbine Duskywing
16) *Erynnis lucillus*



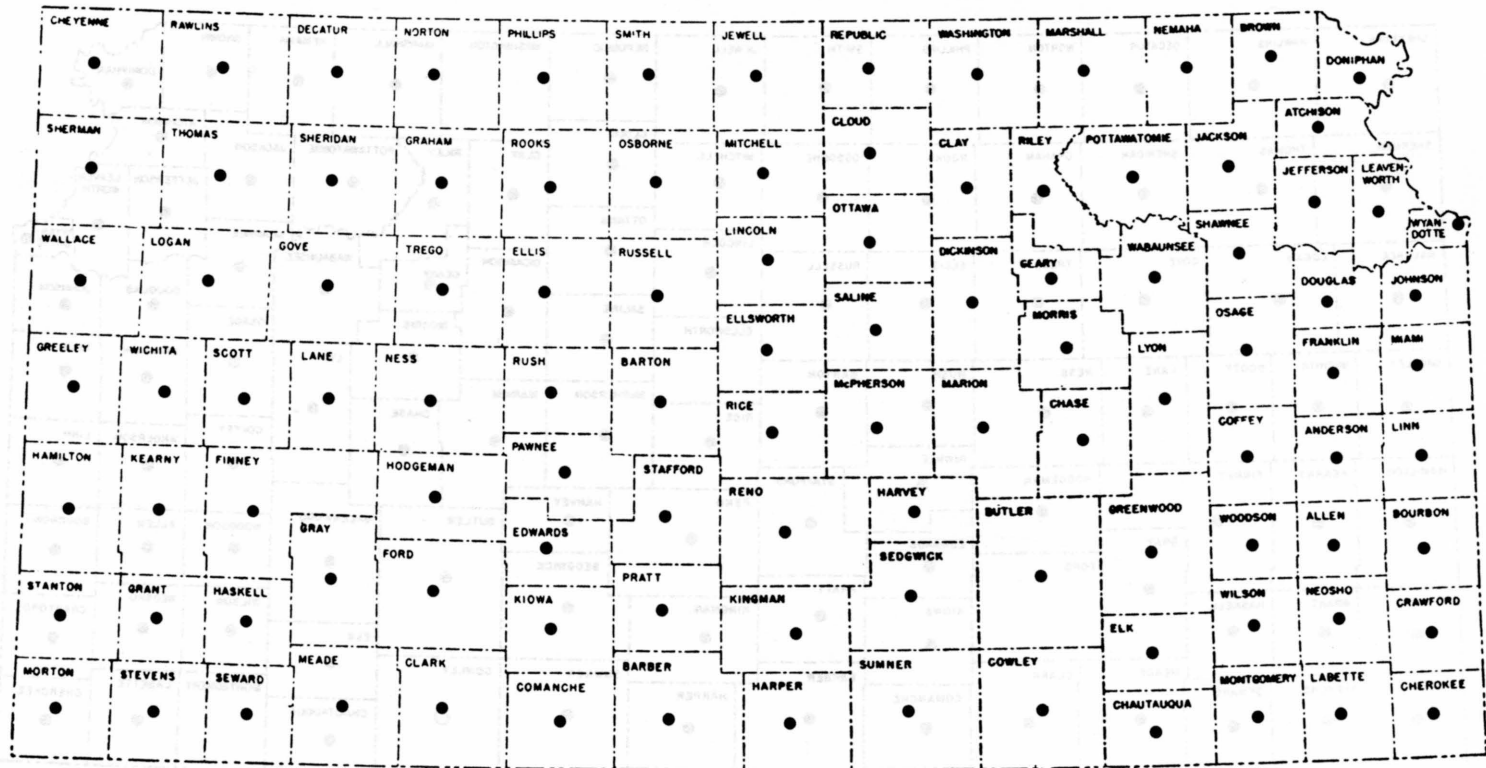
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Erynnis baptisiae



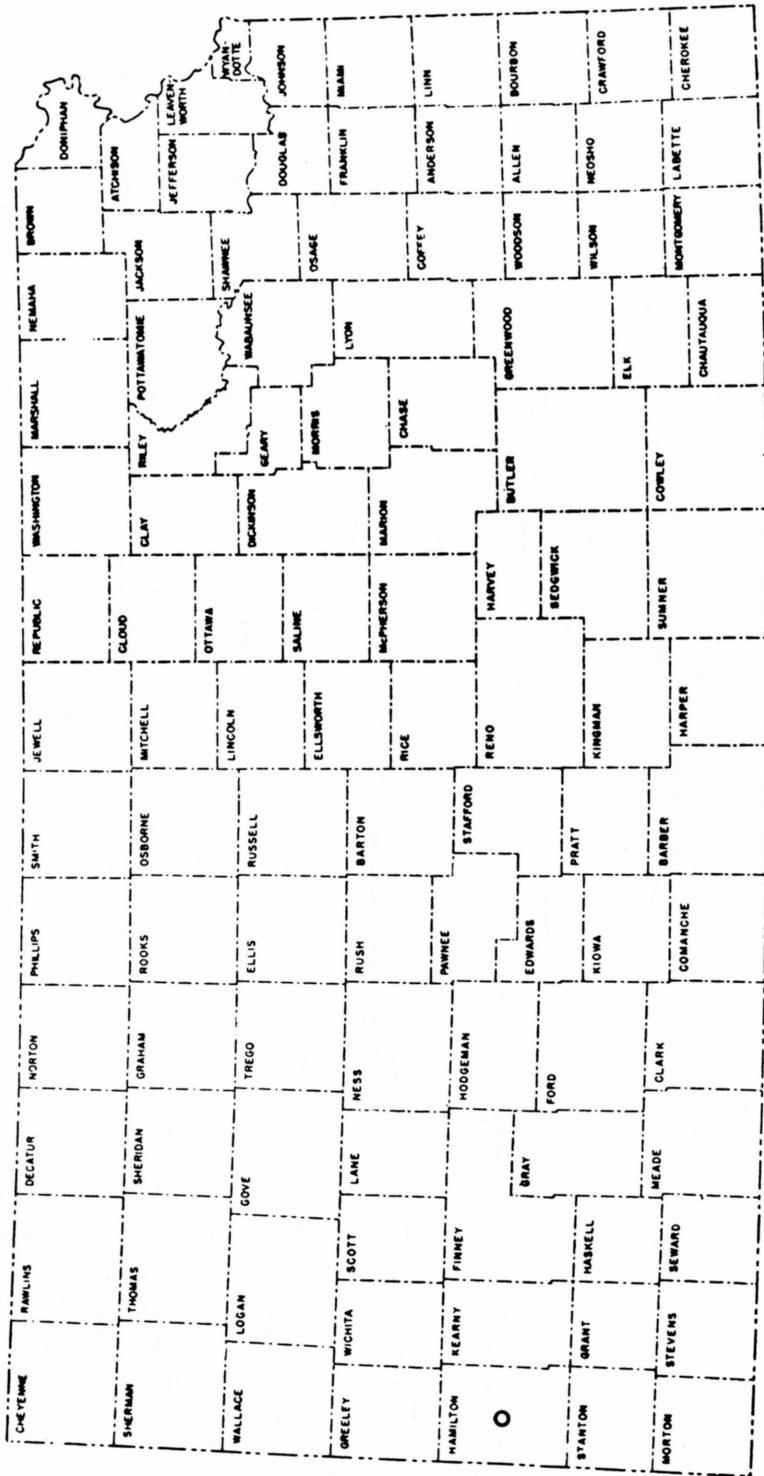
18) Afranius Duskywing
Erynnis afranius



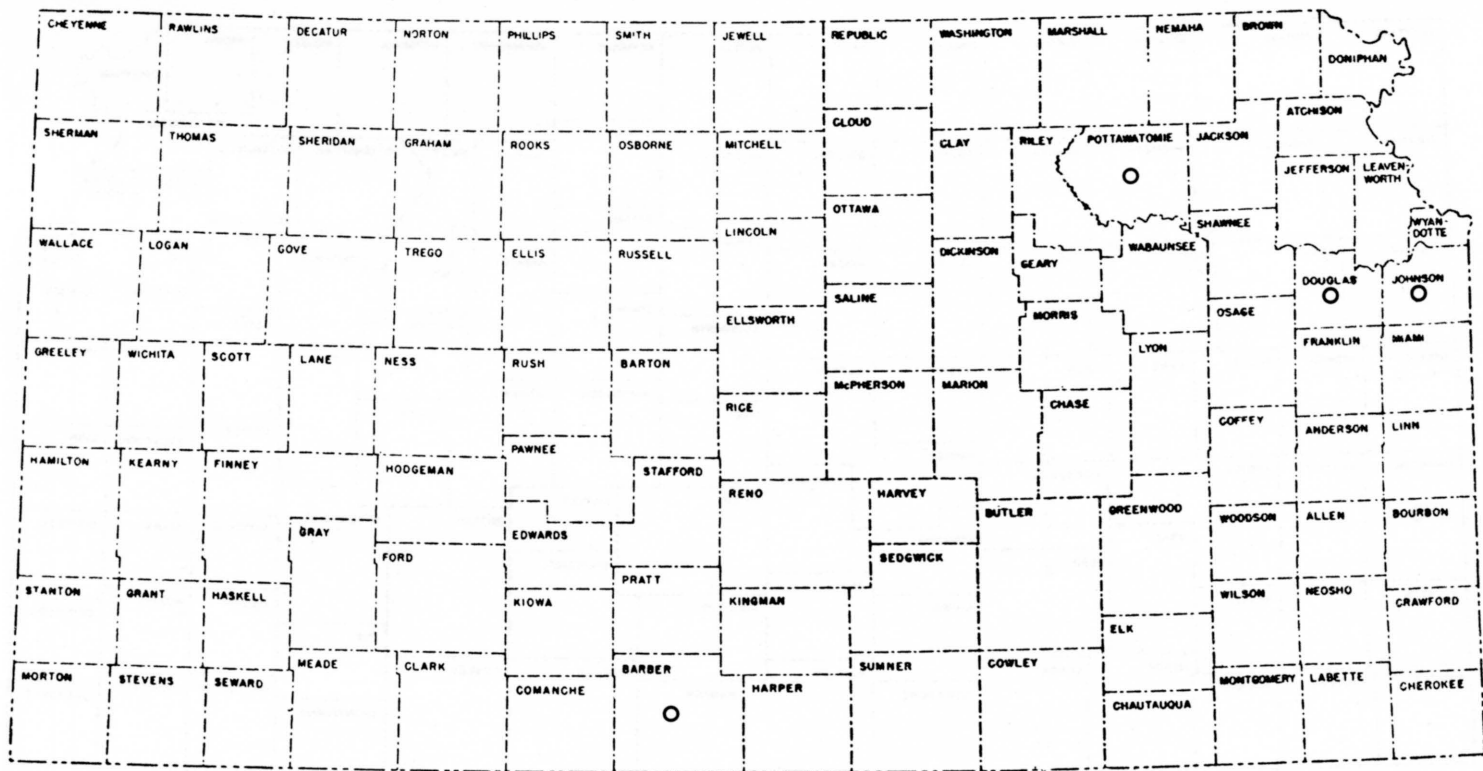
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Erynnis persius



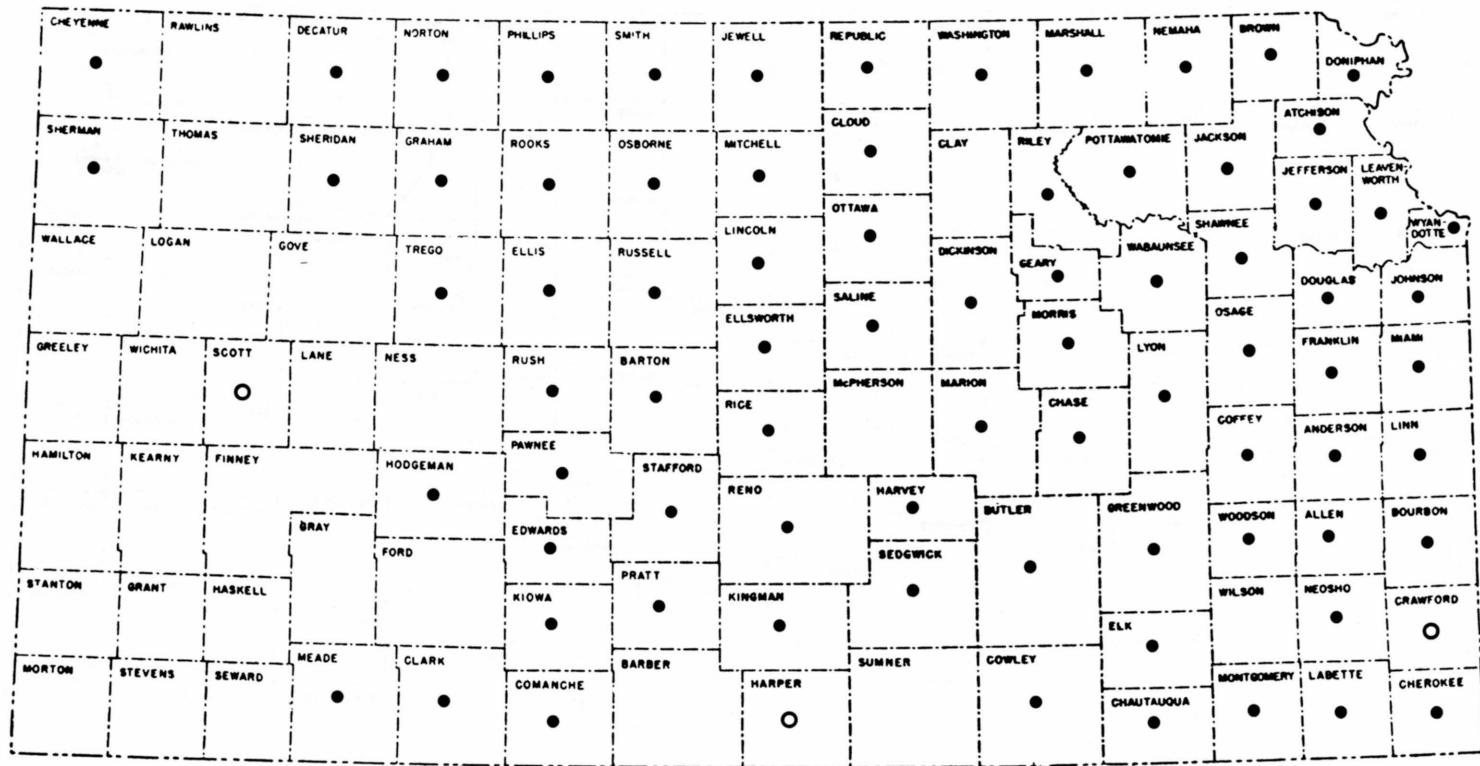
20) Checkered Skipper
Pyrgus communis



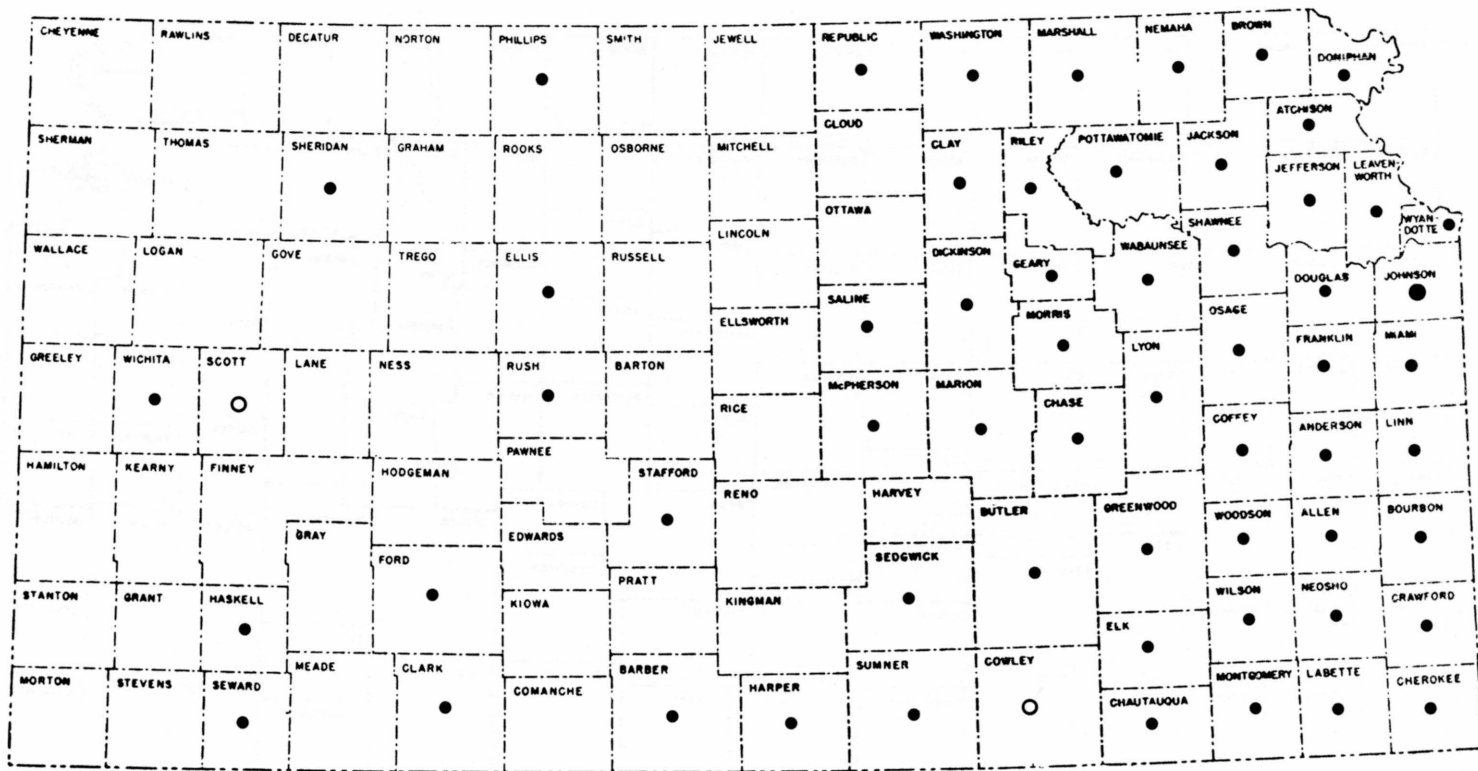
22) Pirus Skipping
Piruna pirus



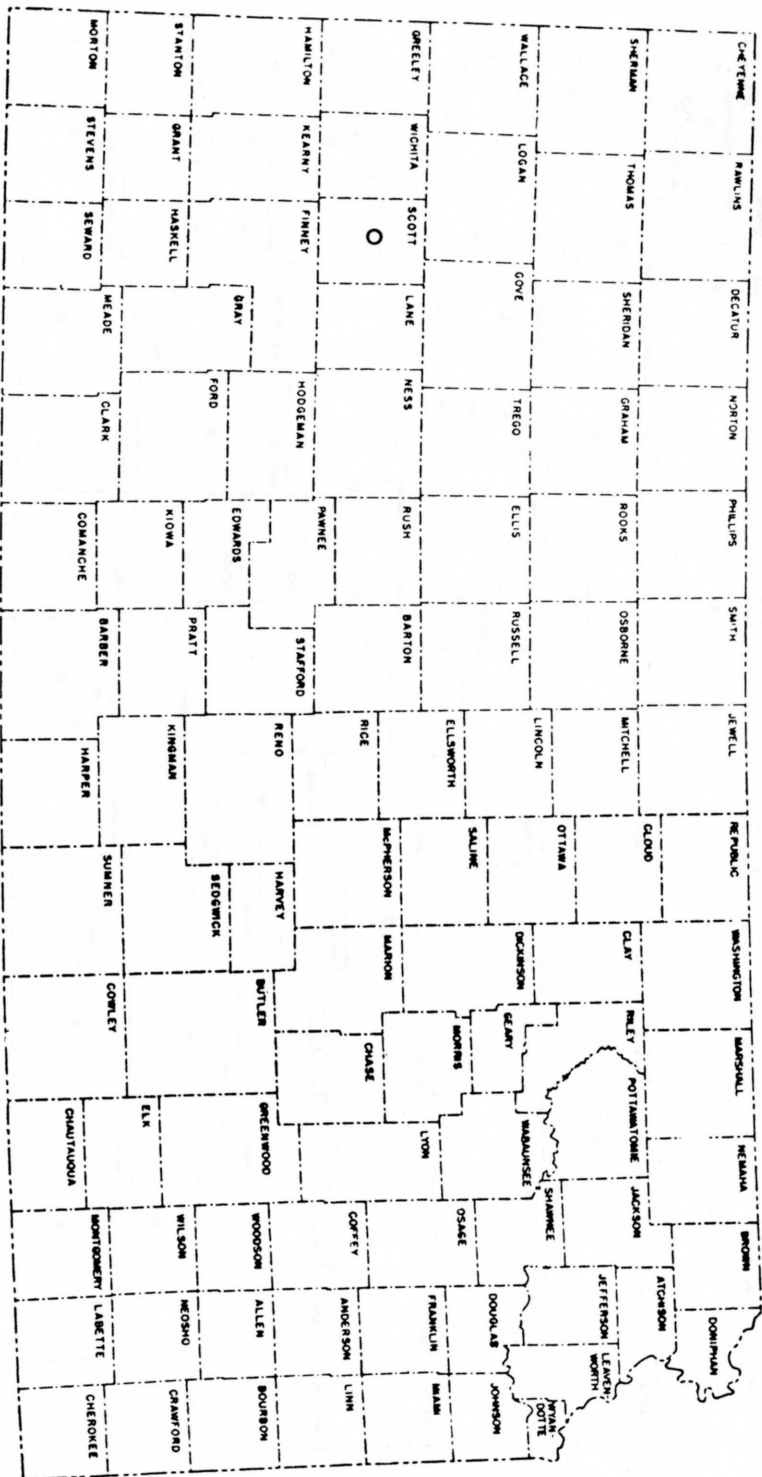
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Nastra Iherminier



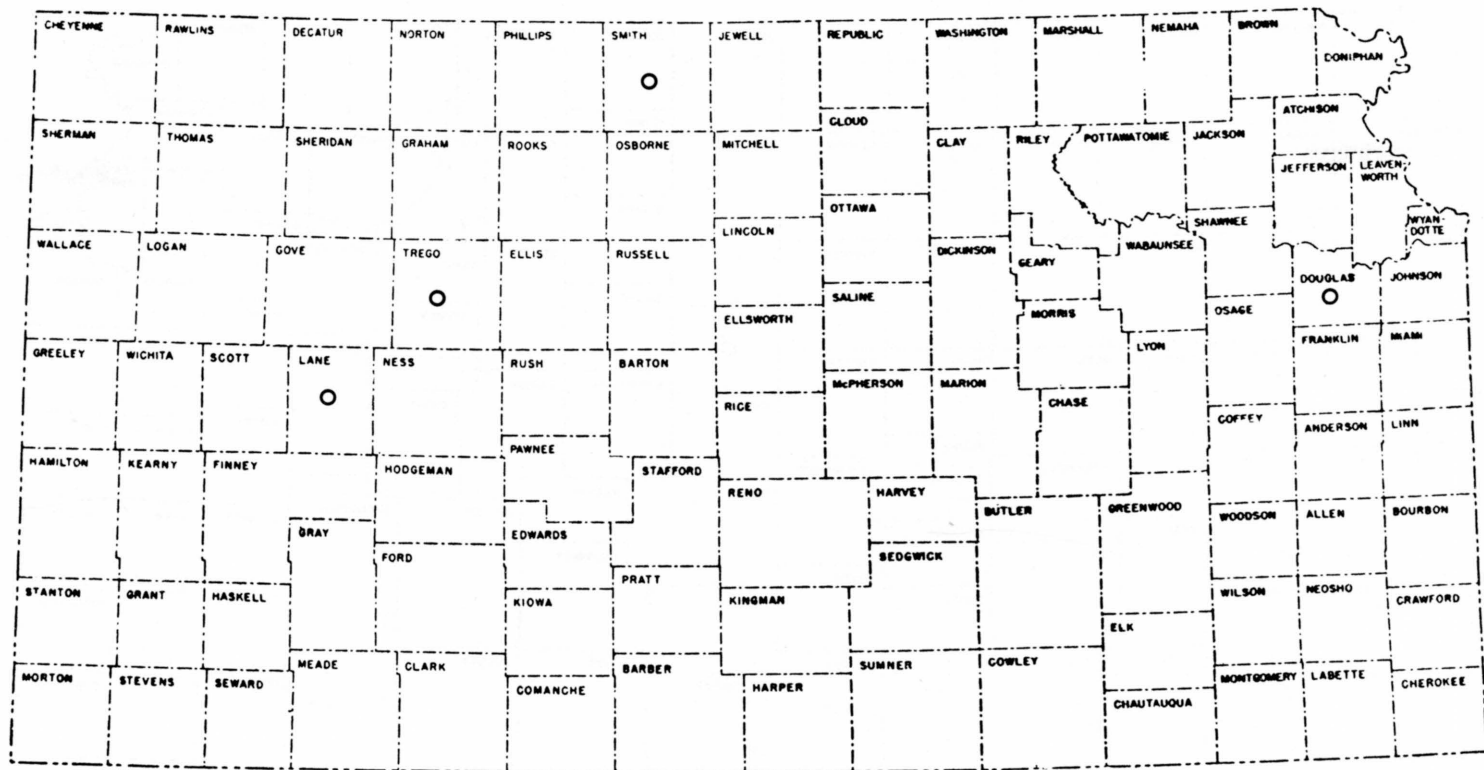
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Ancyloxypa numitor



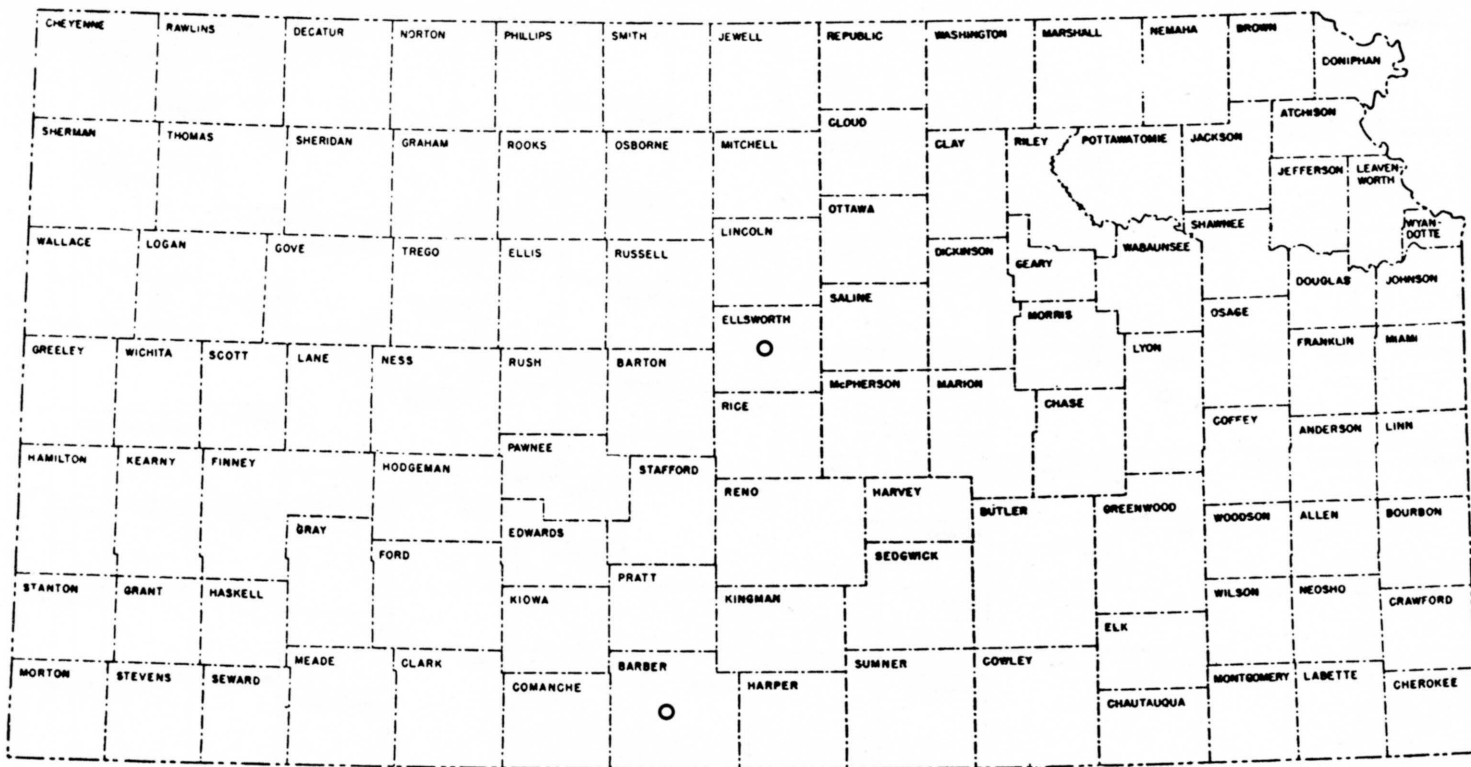
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Hylephila phyleus



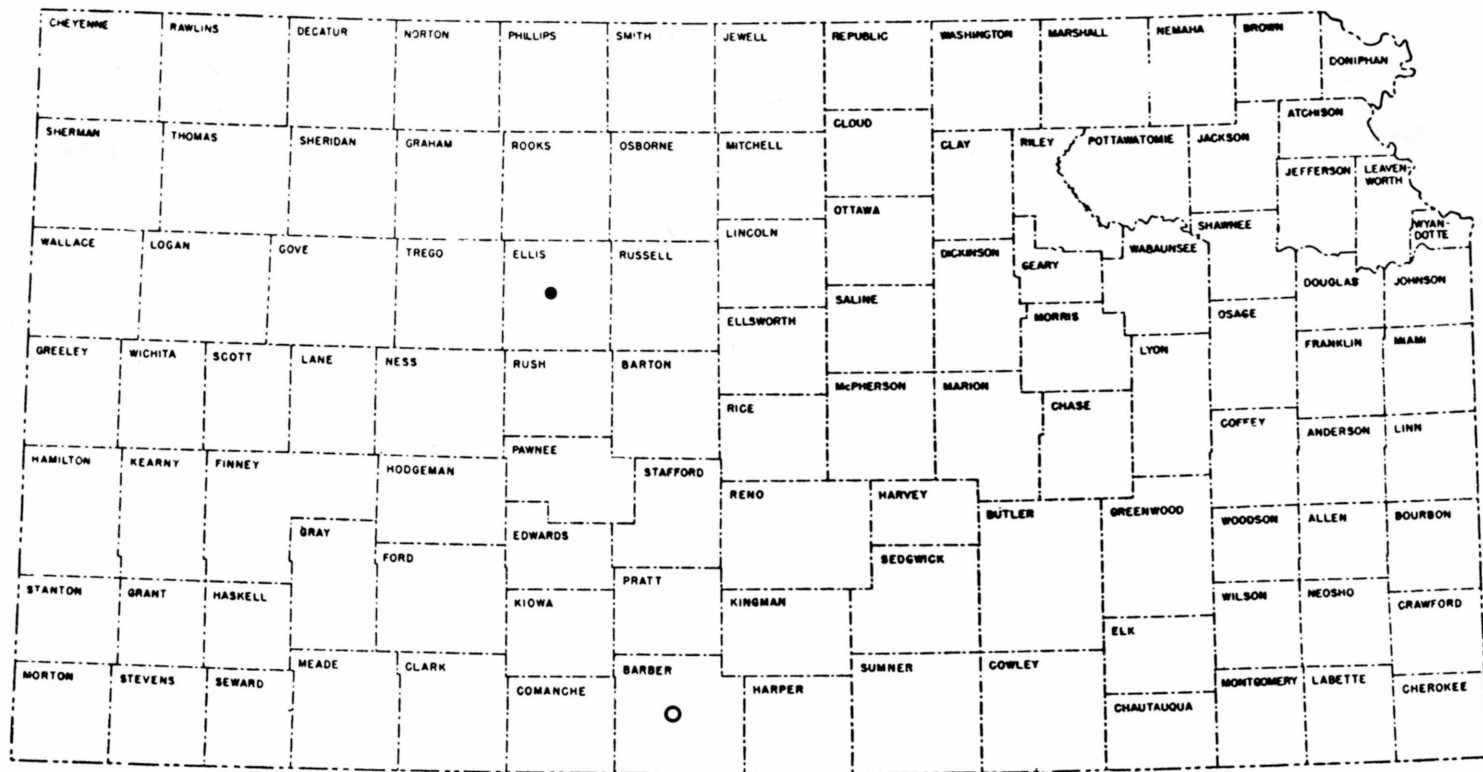
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Yvretta rhesus



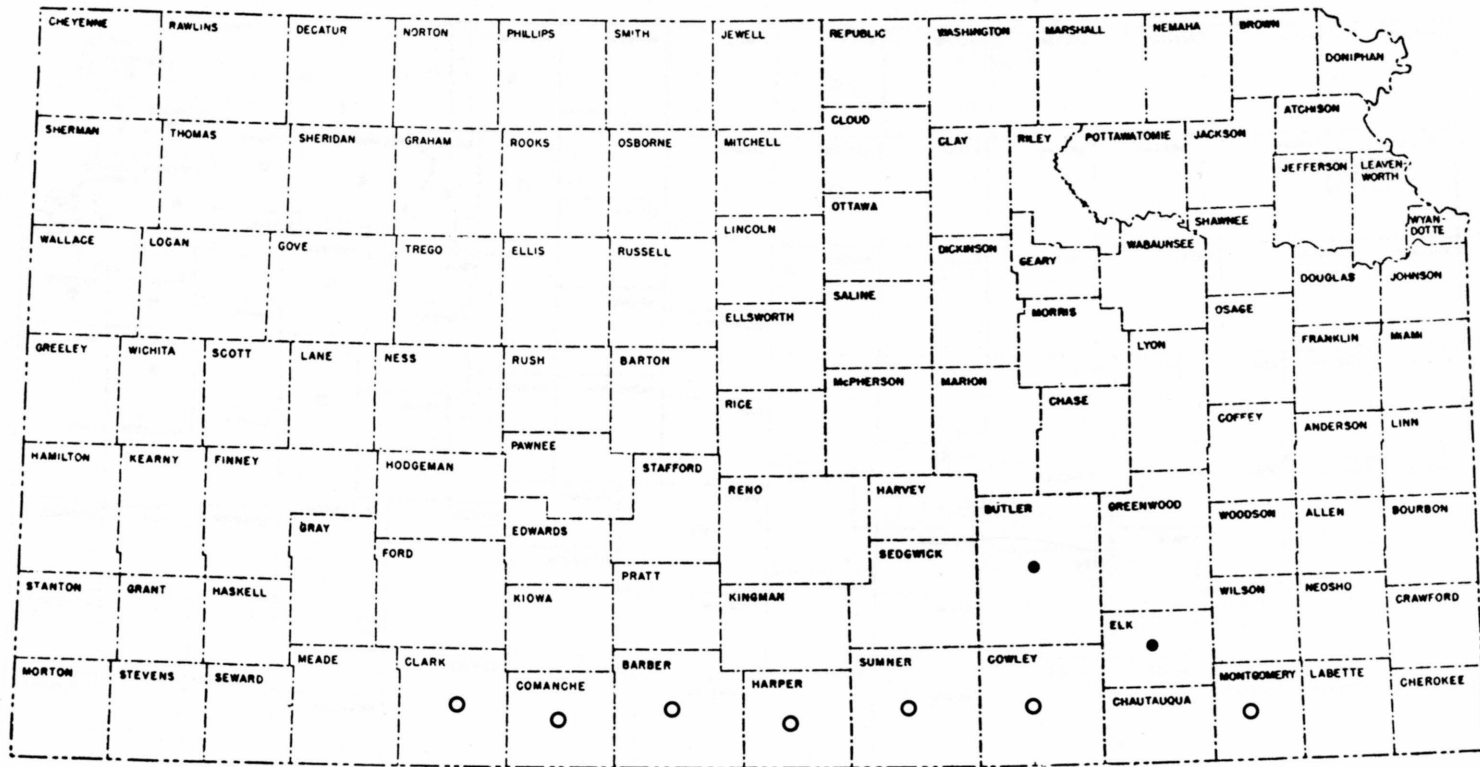
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Hesperia leonardus



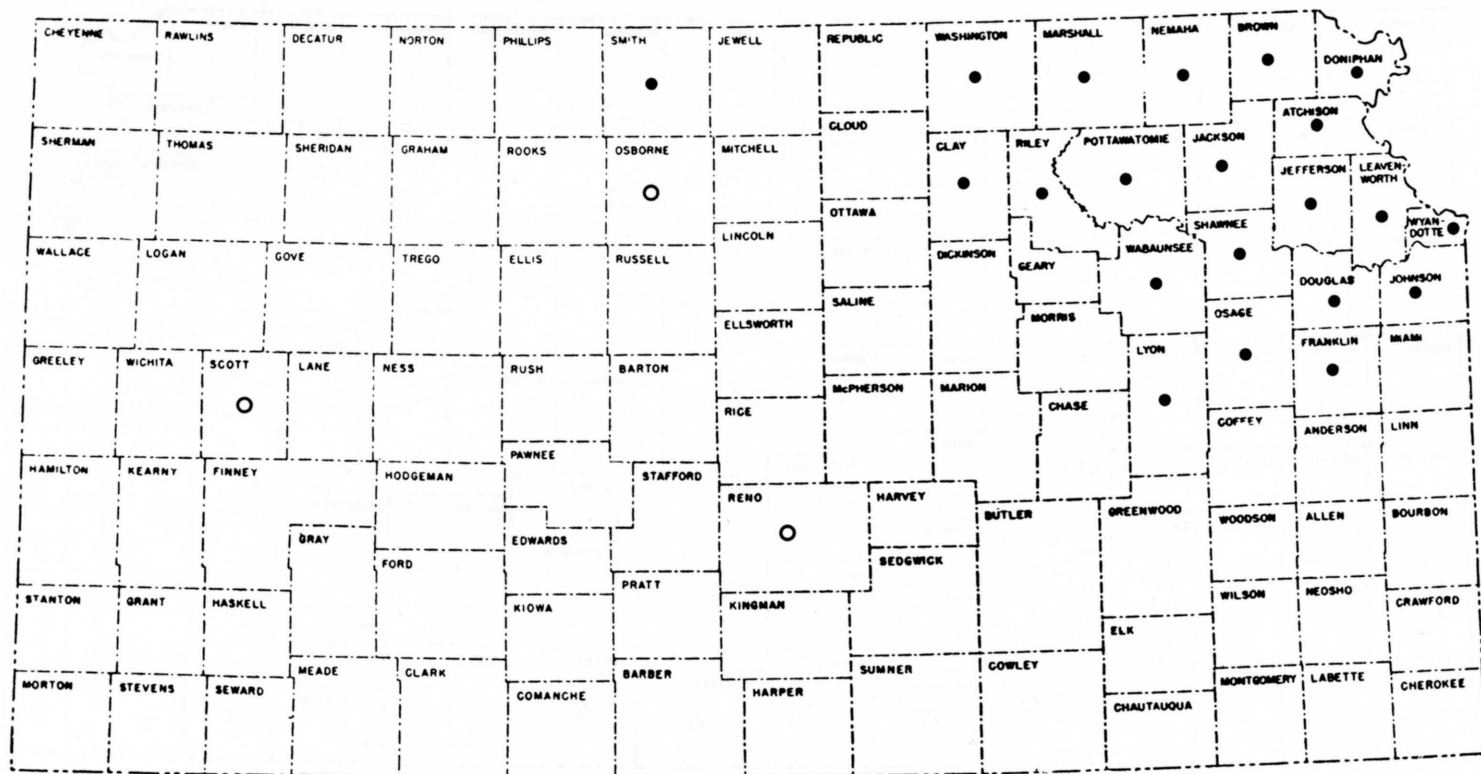
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Hesperia pahaska



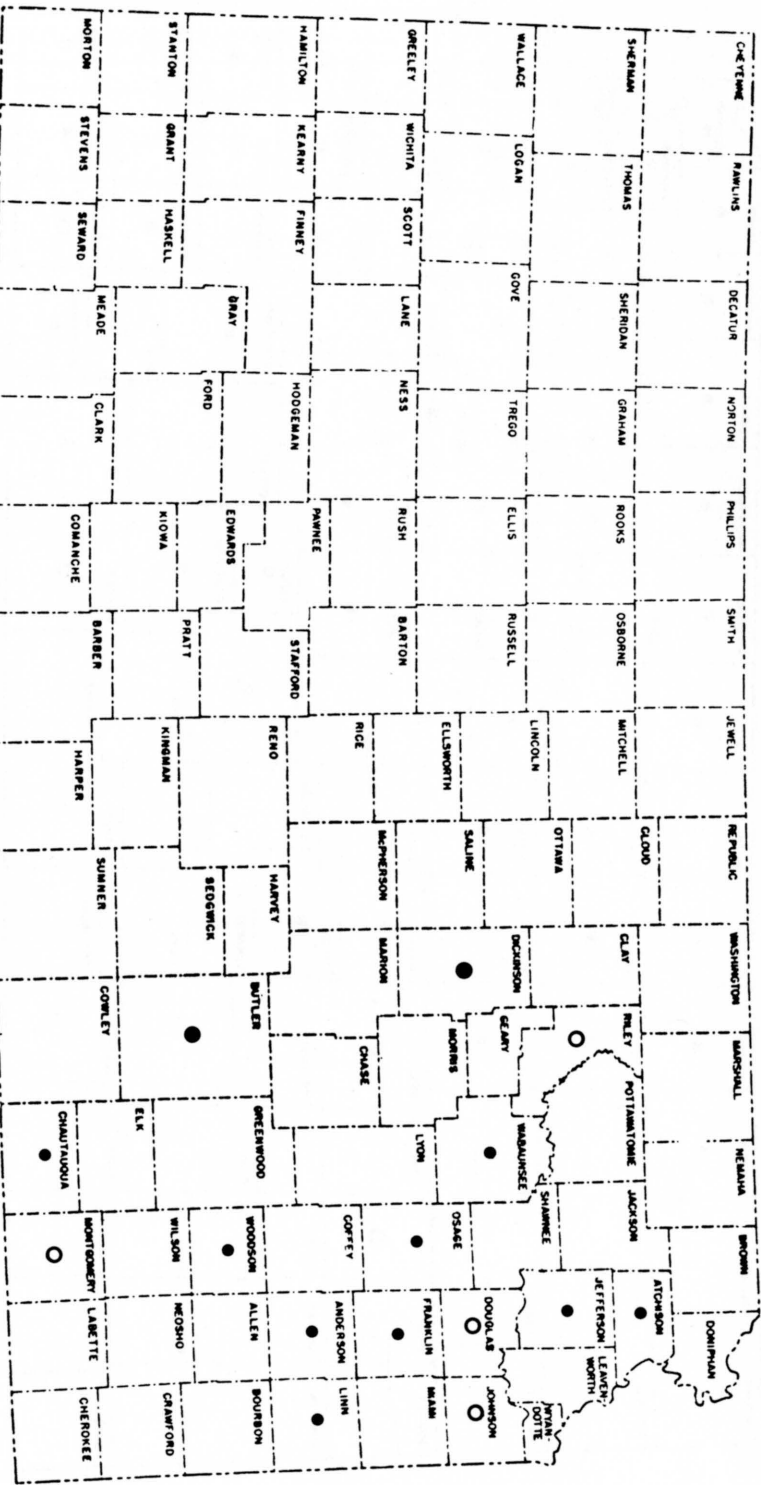
32) Cobweb Skipper
Hesperia metea



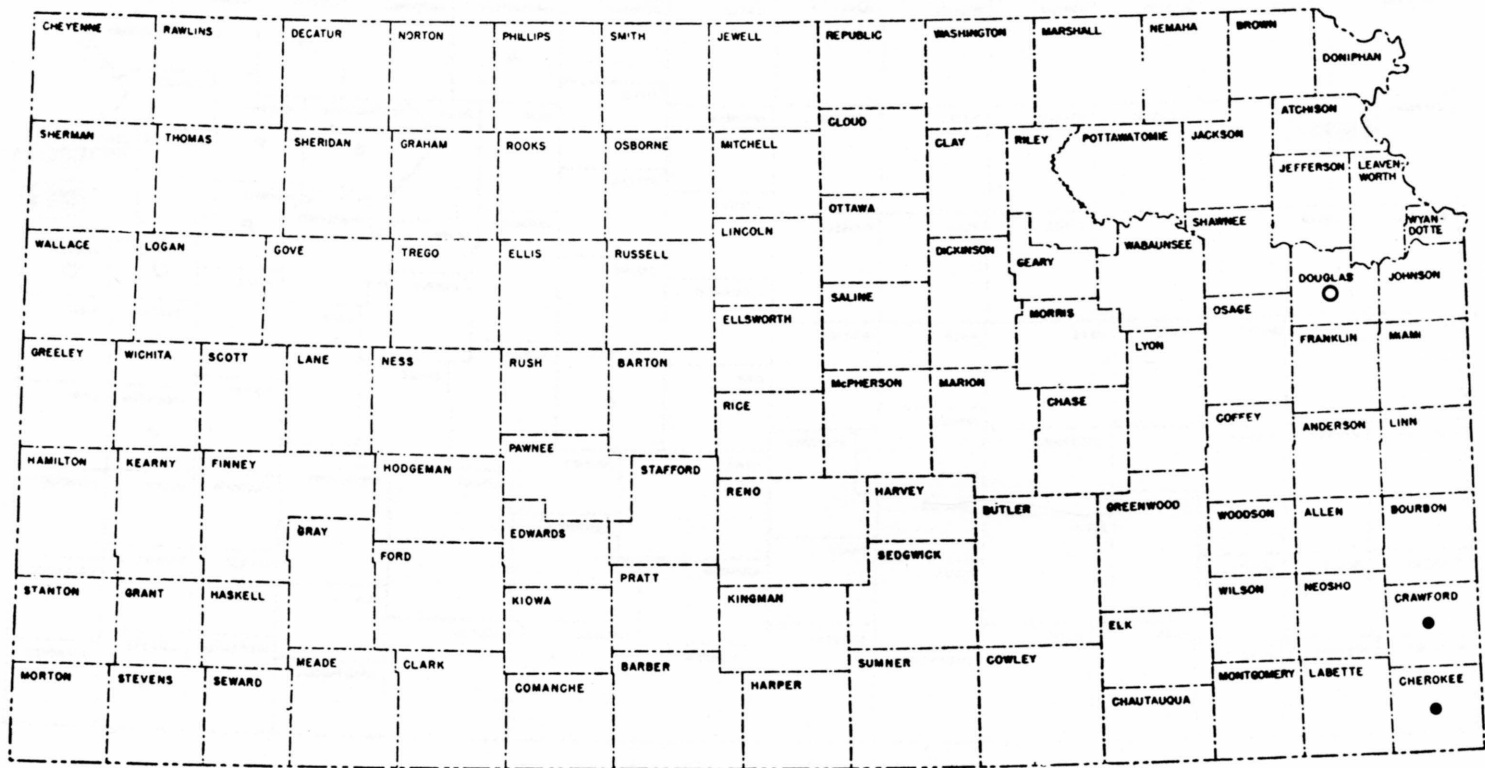
34) Dotted Skipper
Hesperia attalus



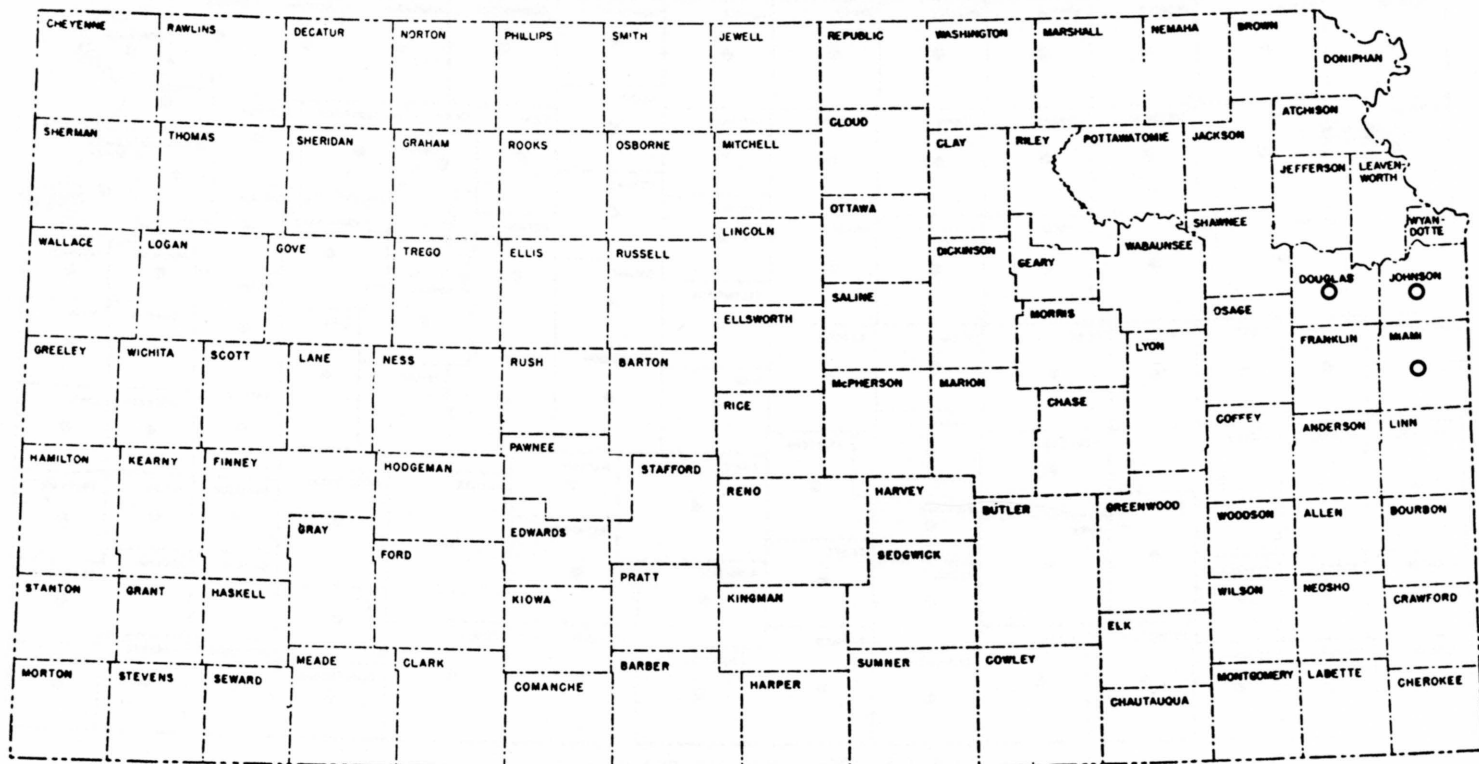
35) Yellow-patch Skipper
Polites coras



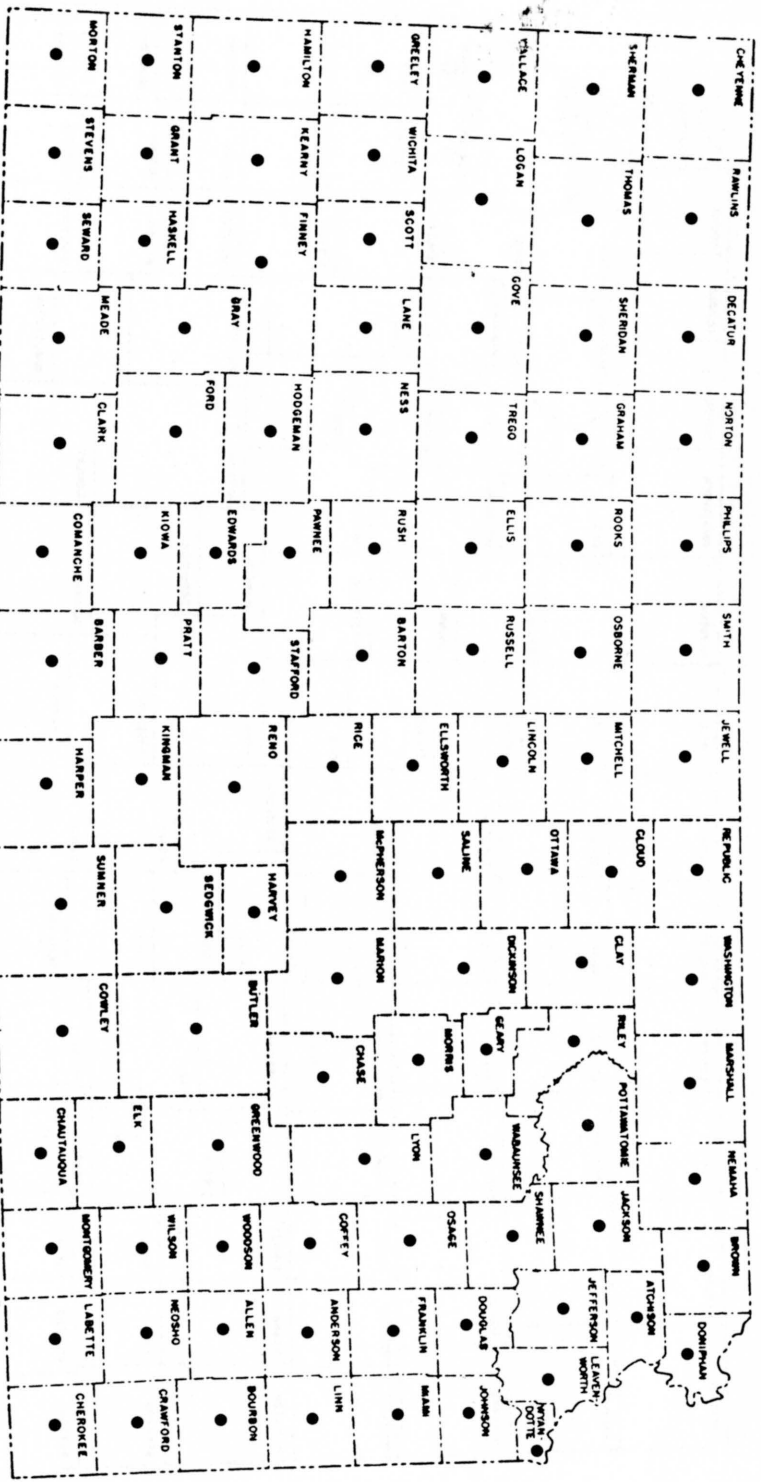
37) Crossline Skipper
 Polites orignes



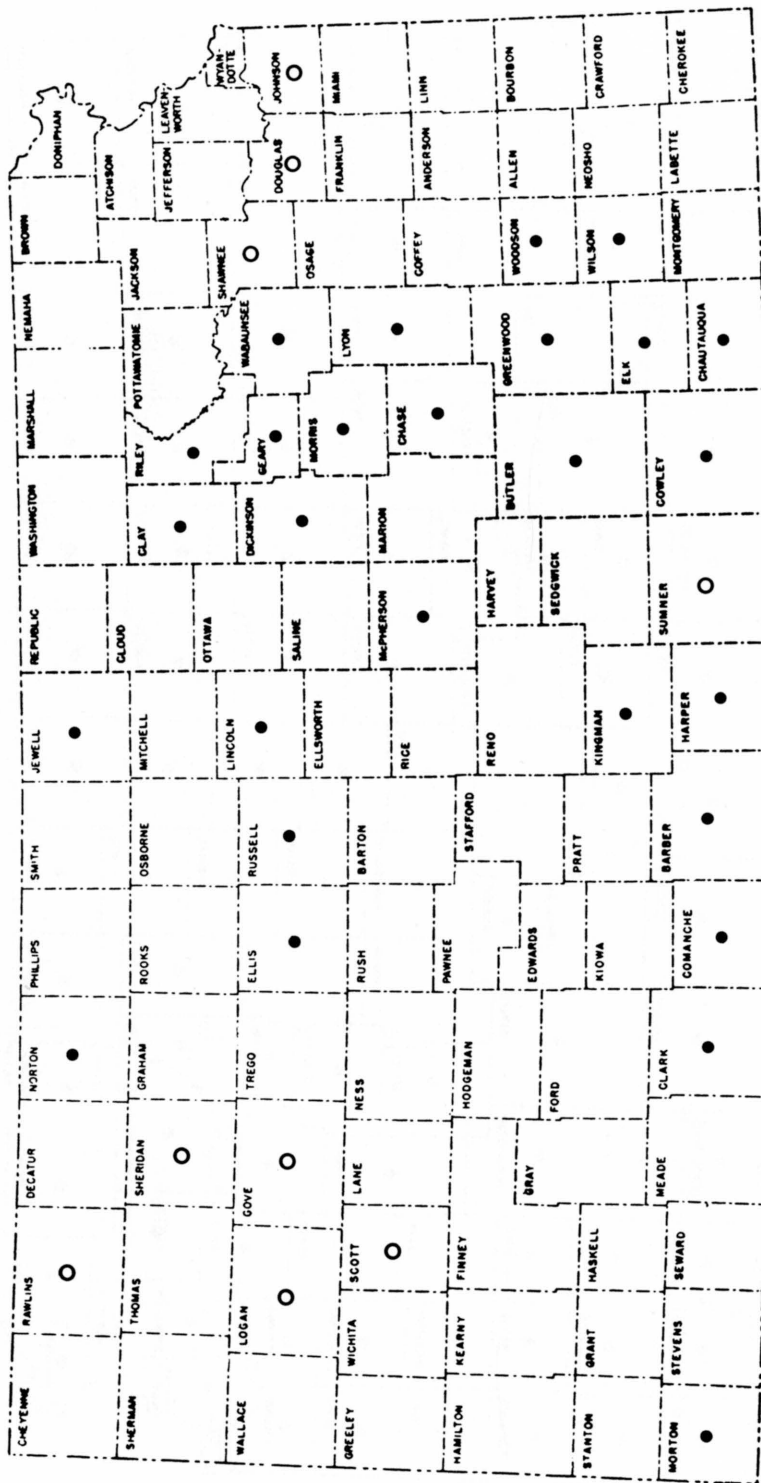
38) Broken-dash Skipper
Wallengrenia otho



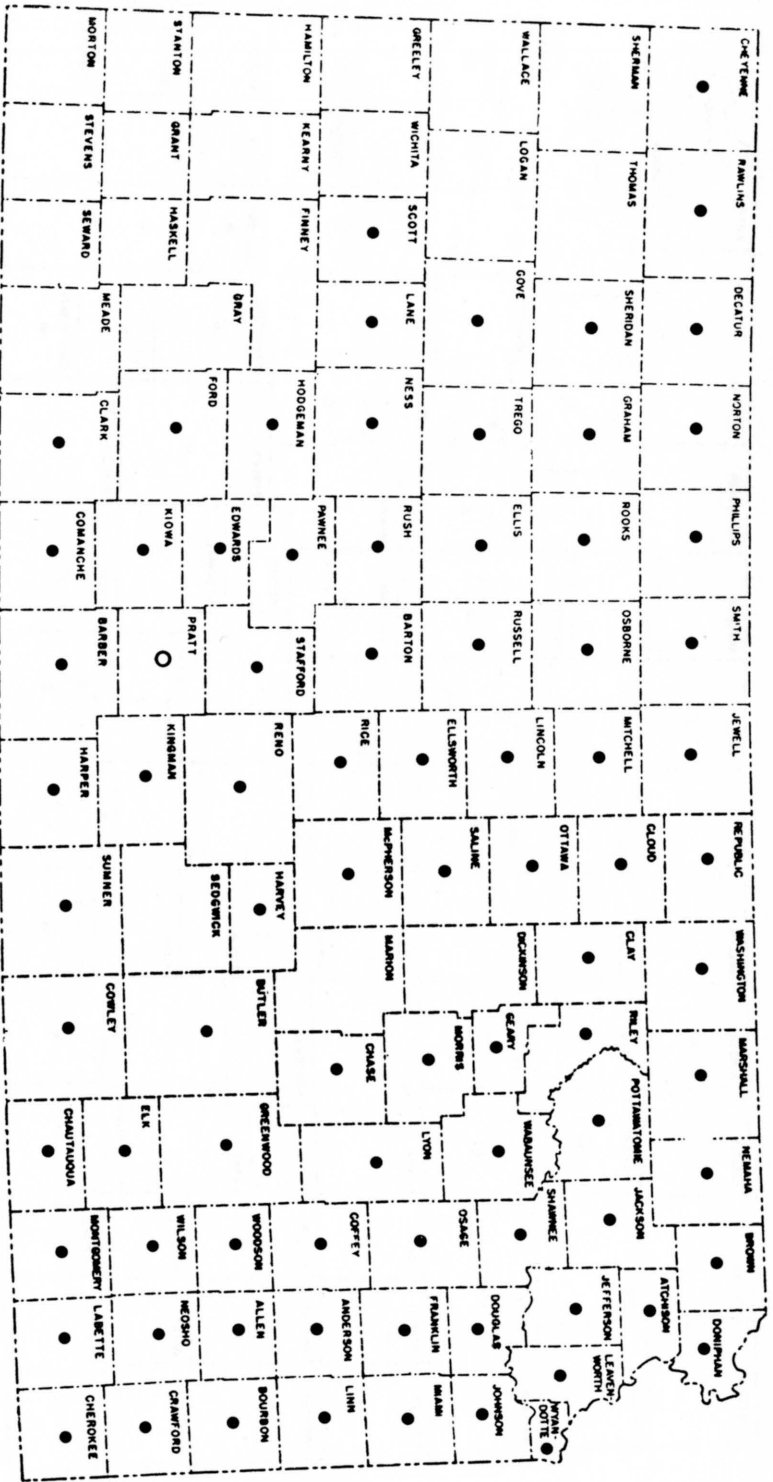
40) Little Glassywing
Pompelus verna



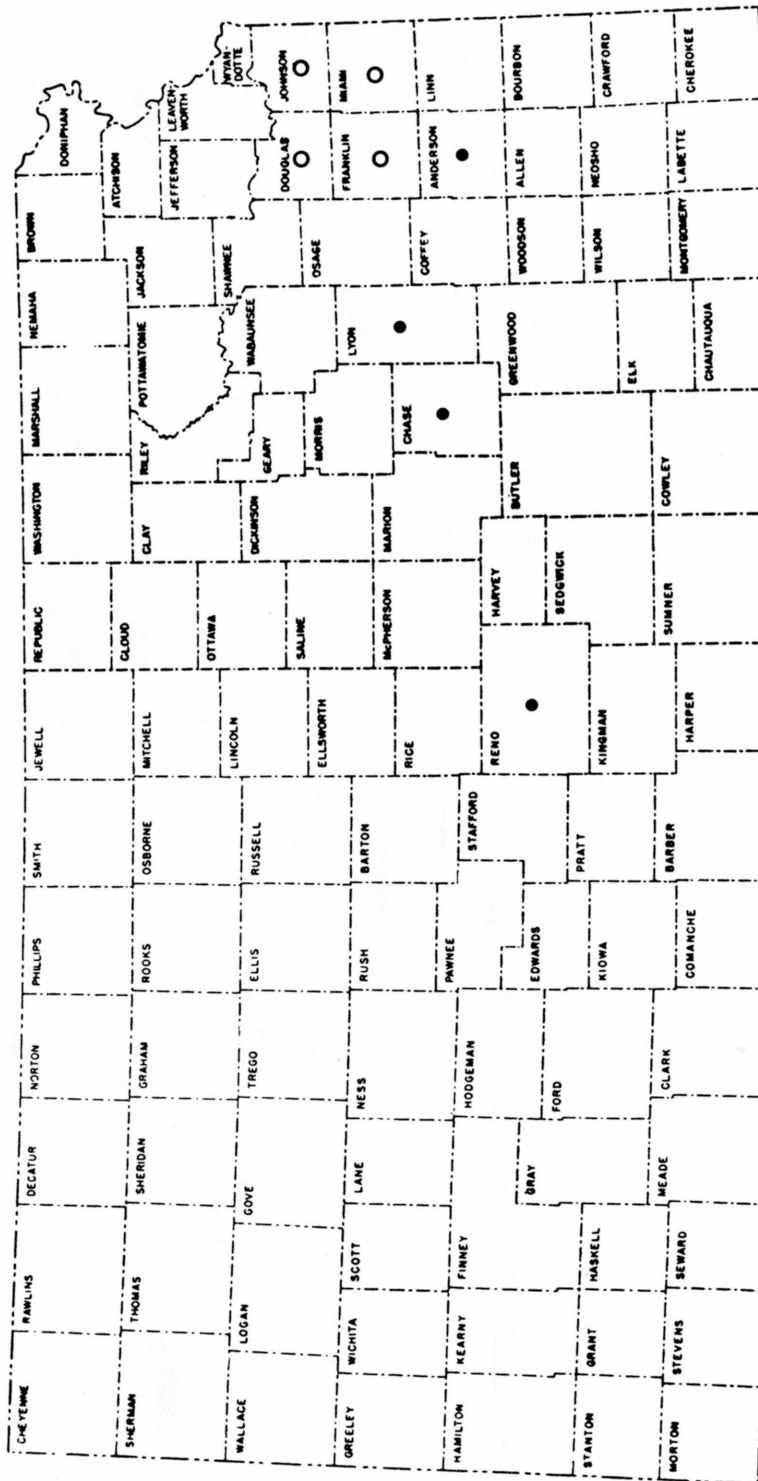
41) Sachesm Skipper
Atalopedes campestris



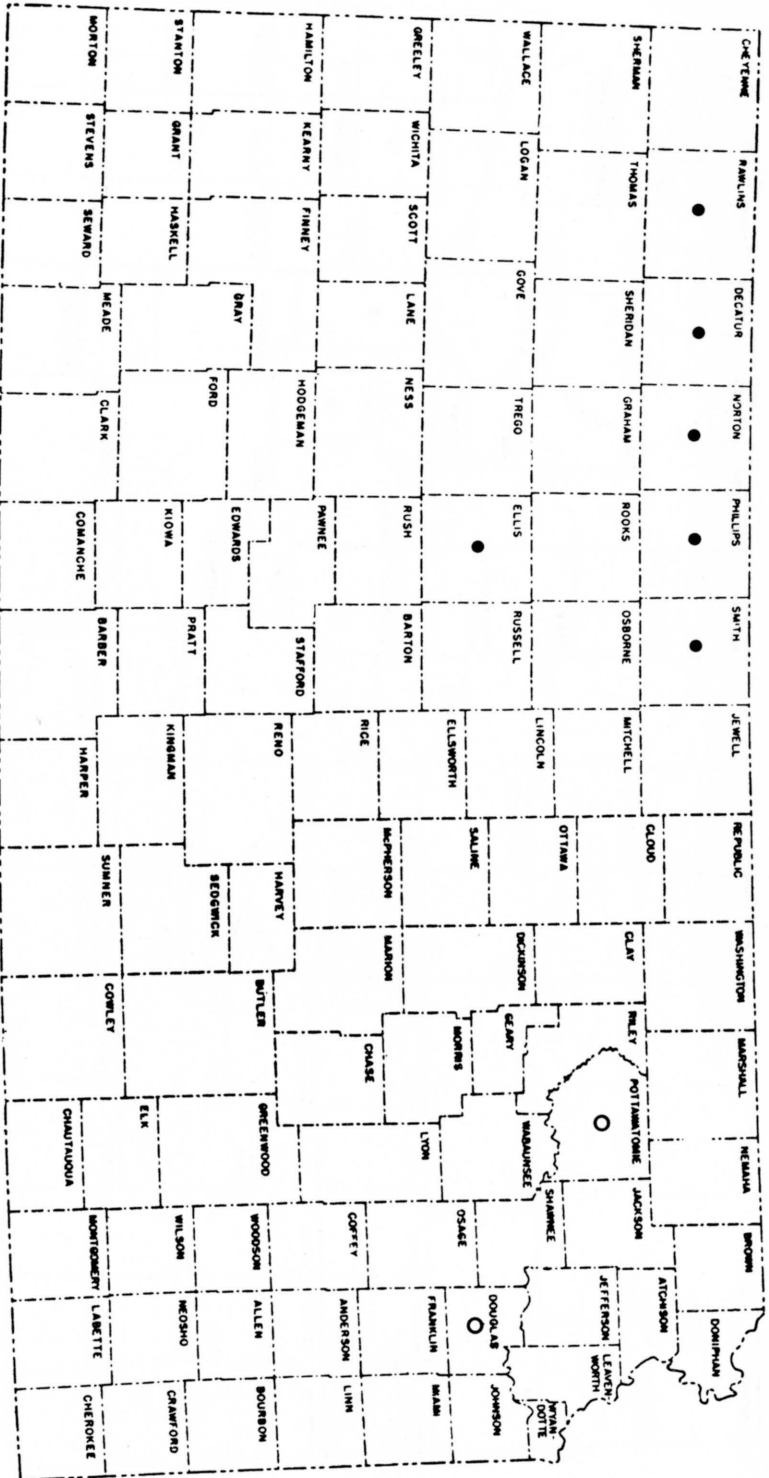
42) Arogos Skipper
Atrytone arogos



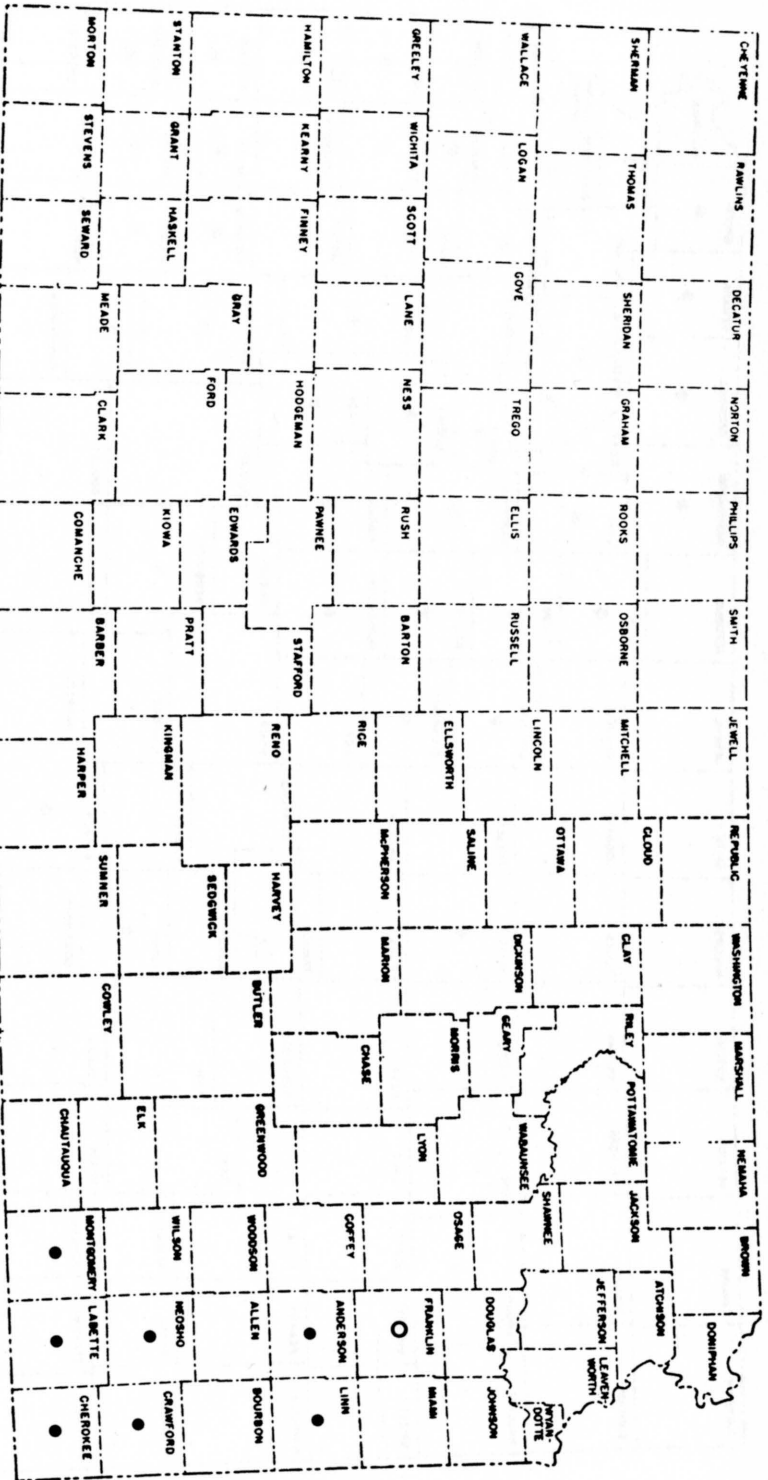
43) Delaware Skipper
Atrytone logan



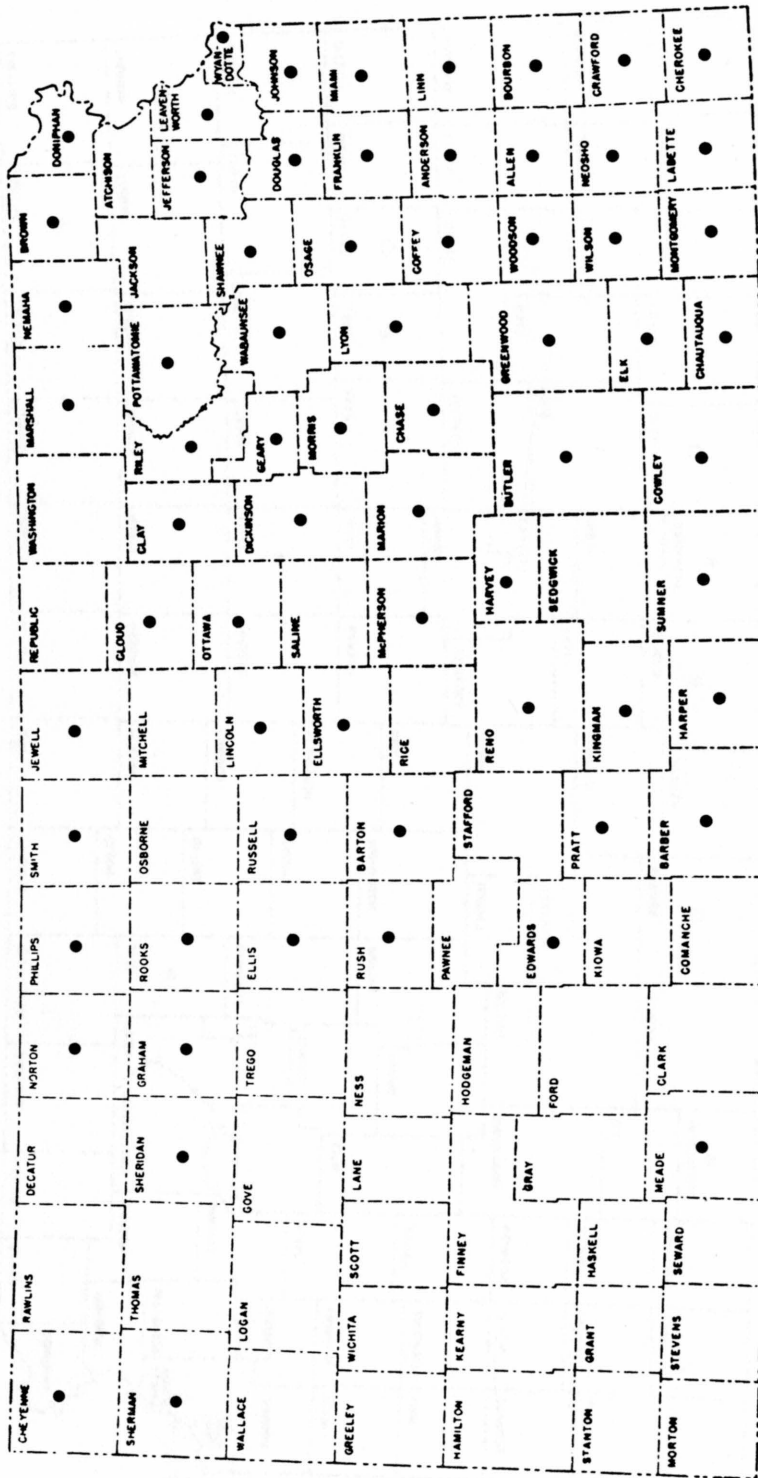
44) Byssus Skipper Problema byssus



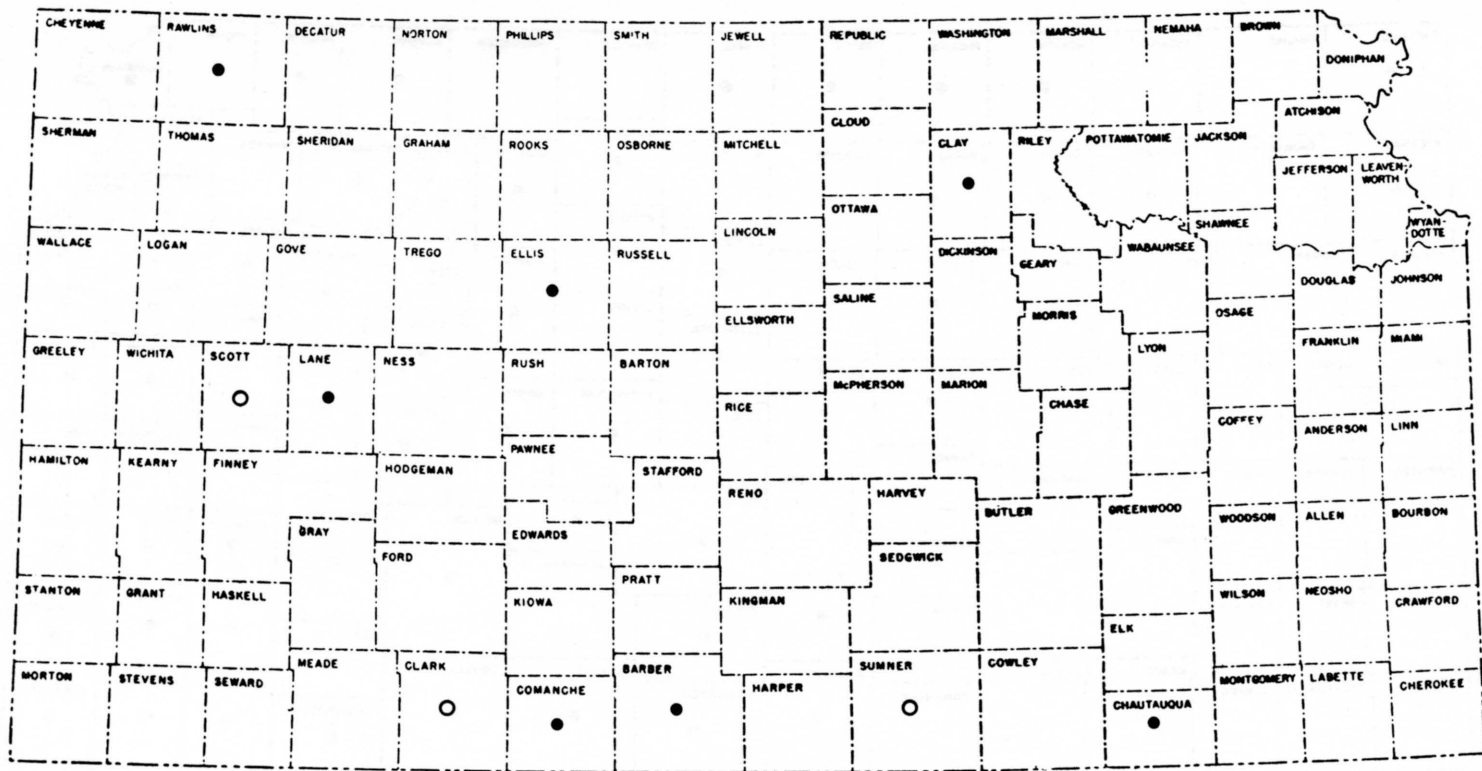
45) Hobomok Skipper
 Panes hobomok



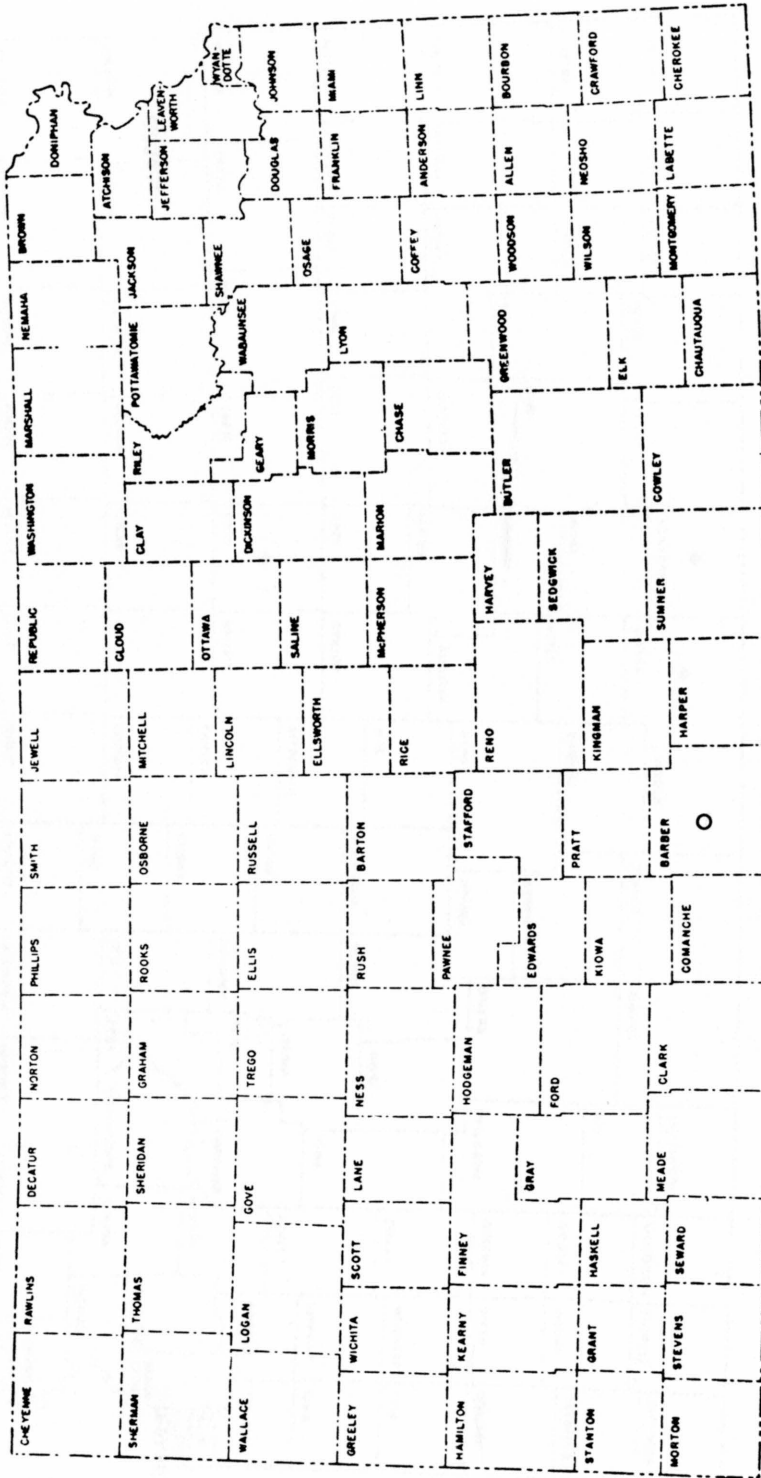
47) Sedge Skipper
Euphyes dion



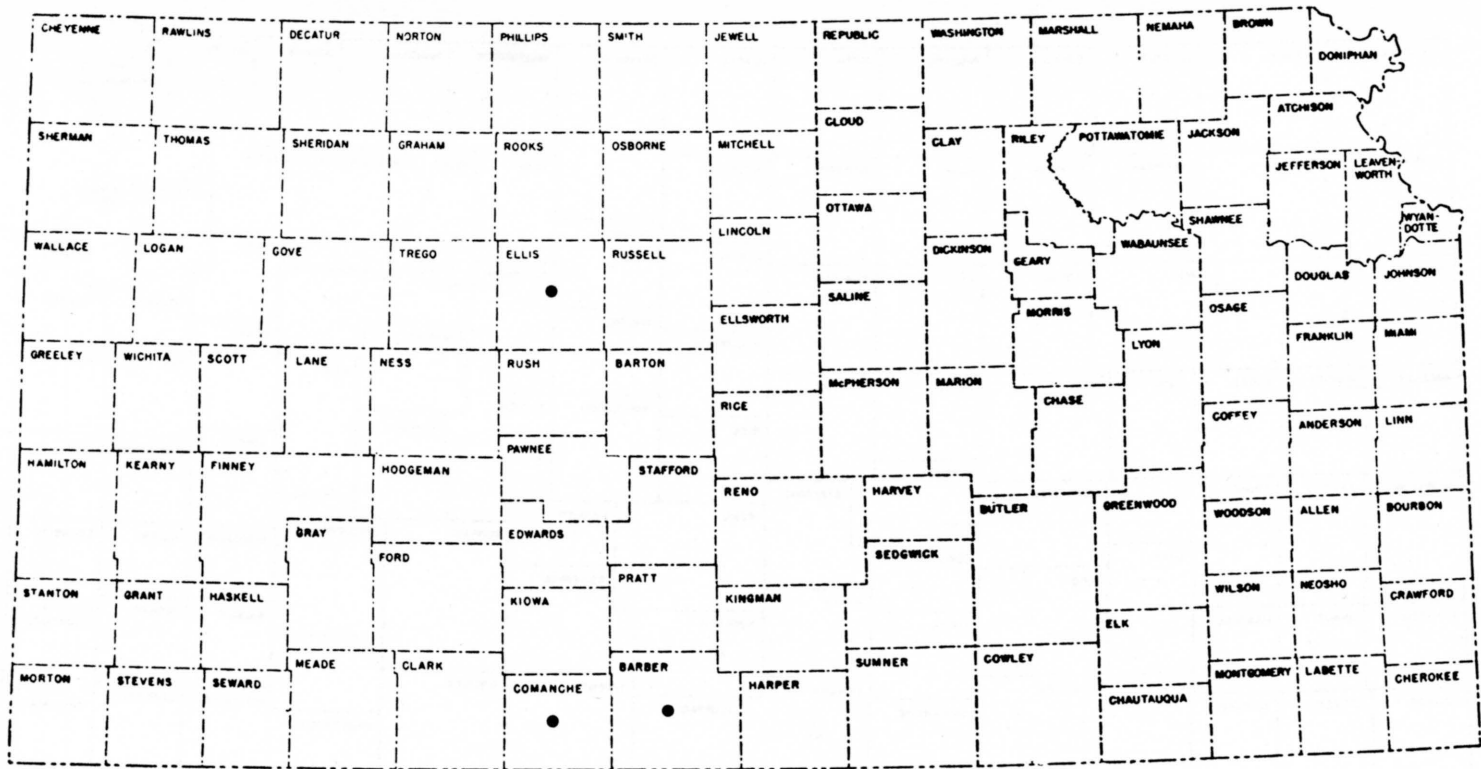
48) Dun Skipper
Euphyes ruricola



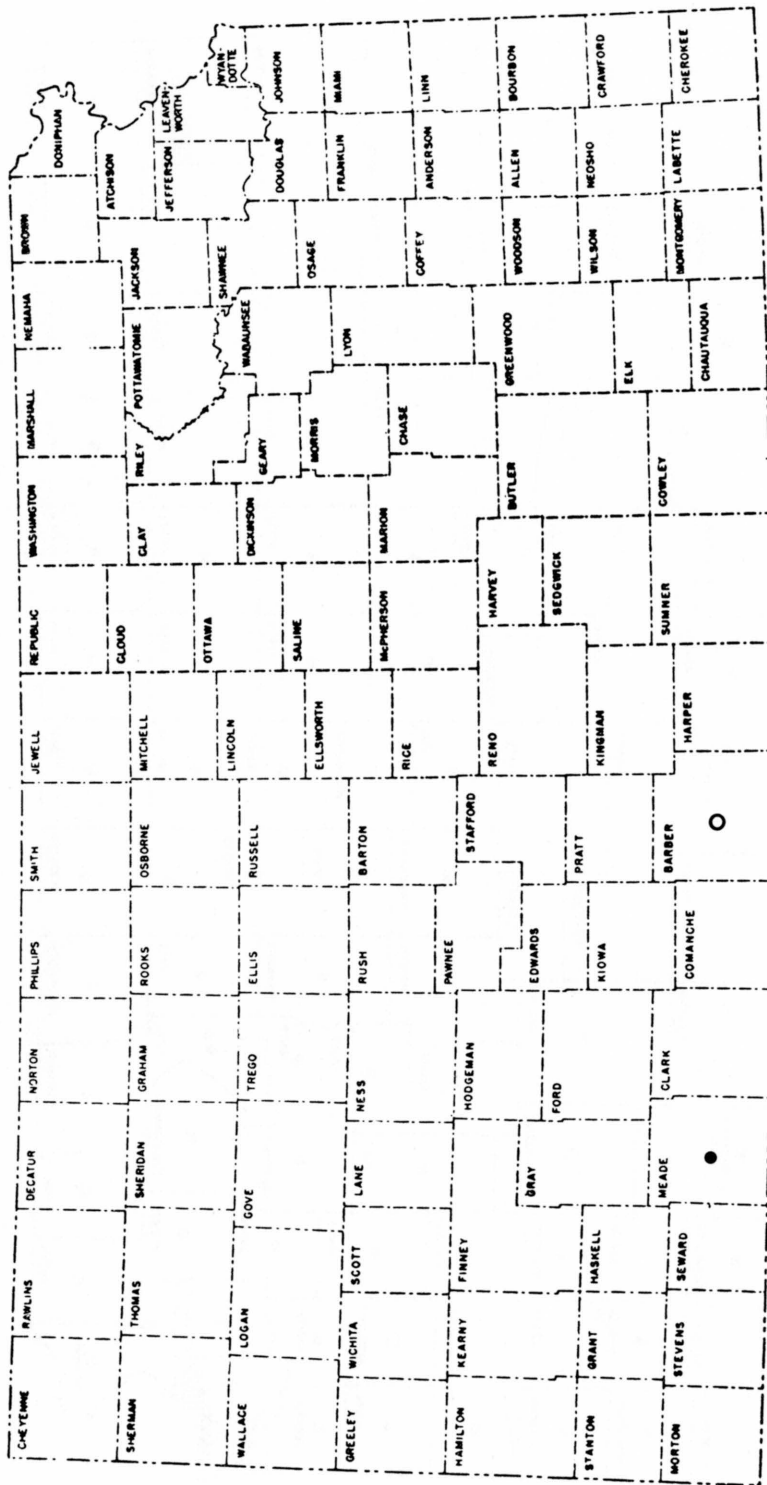
49) Dusted Skipper
Atrytonopsis hianna



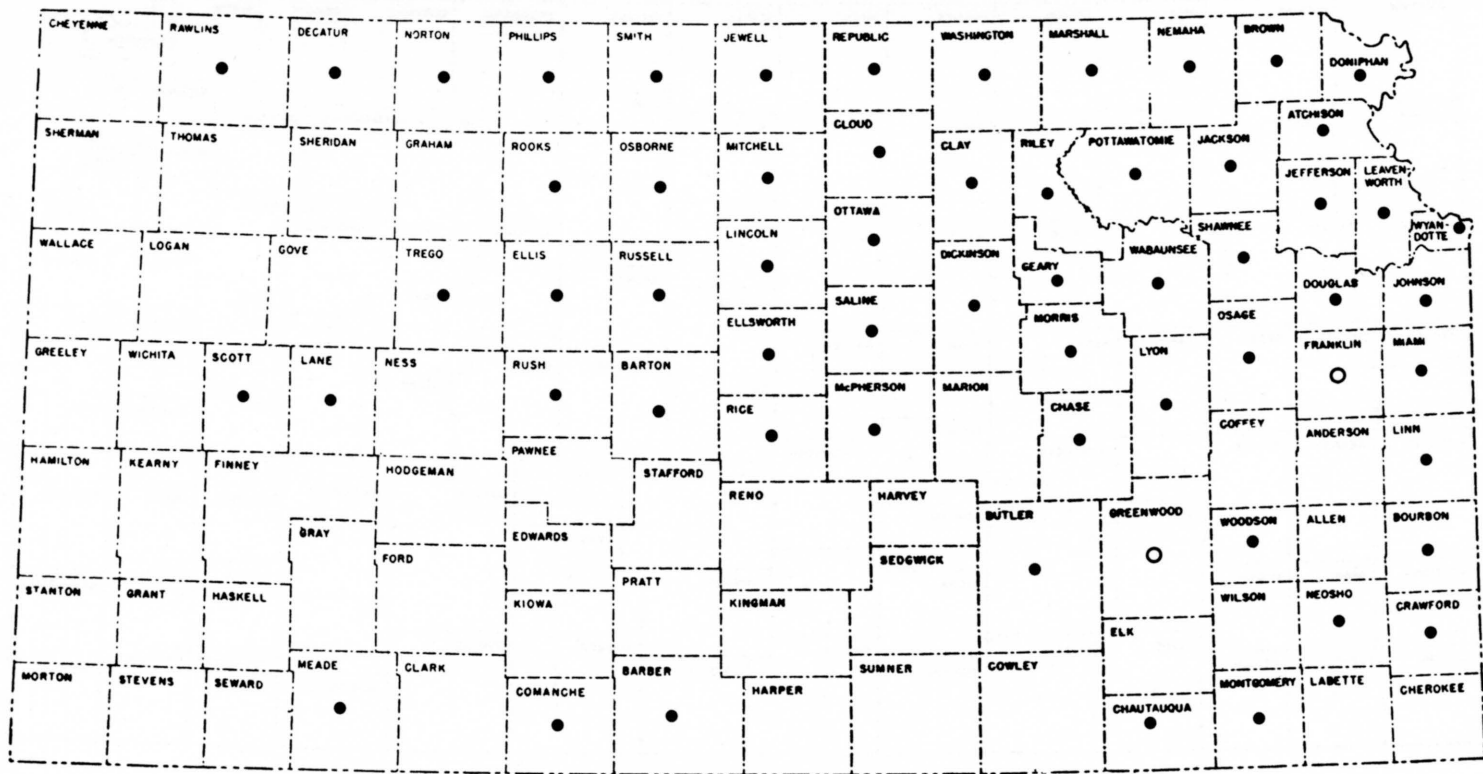
50) Aenus Skipper
Amblyscirtes aenus



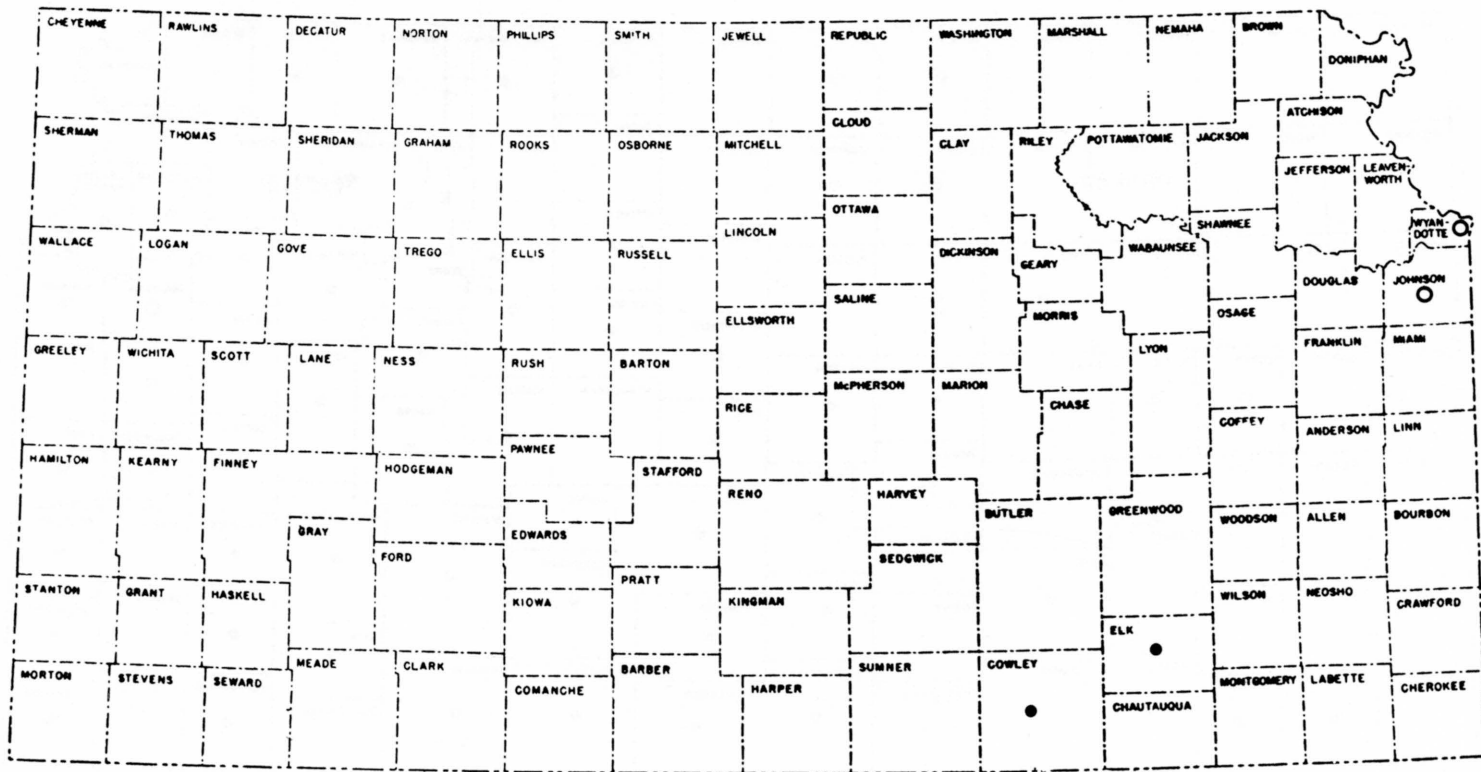
51) Oslar's Skipper
Amblyscirtes oslari



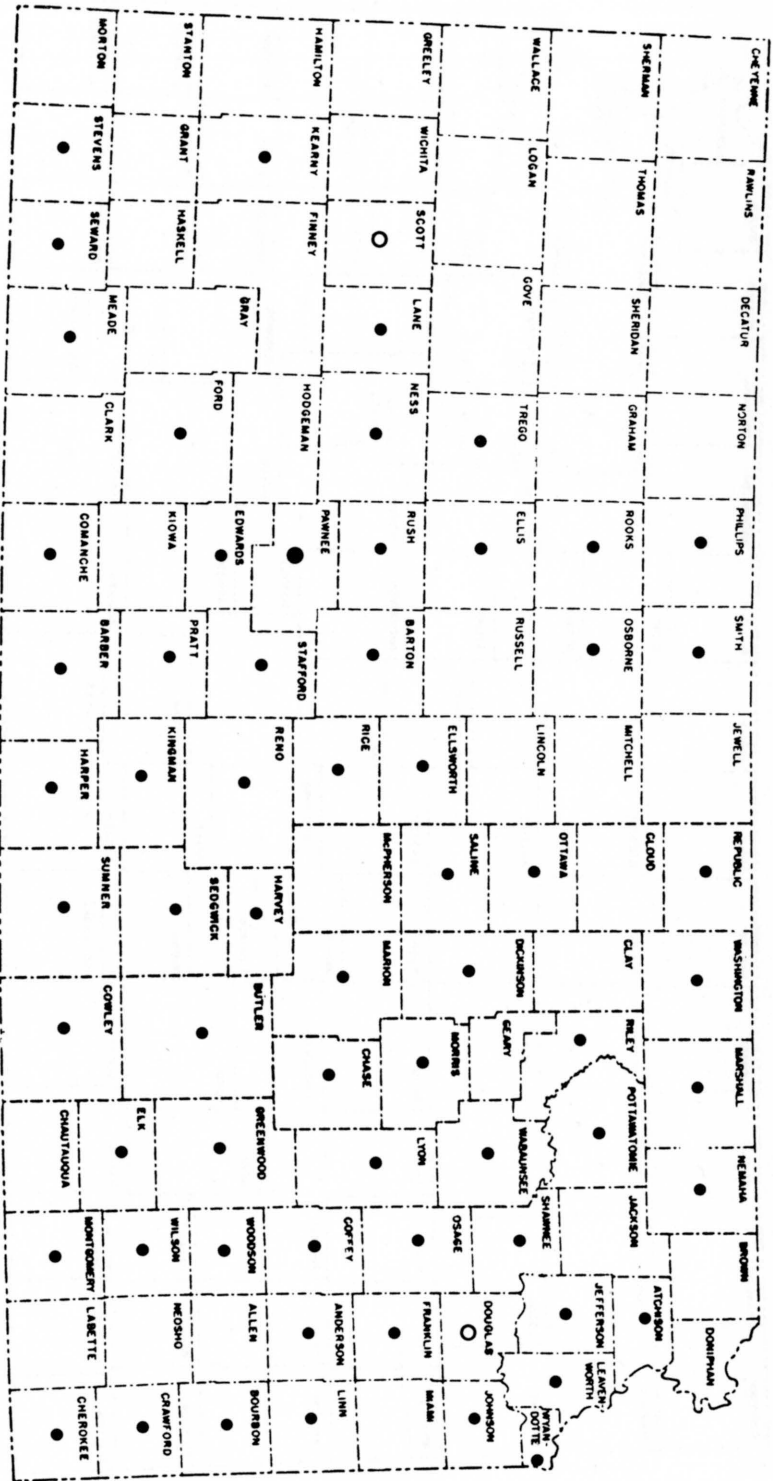
54) Eos Skipper
Ambliscirtes eos



55) Roadside Skipper
Amblyscirtes vialis

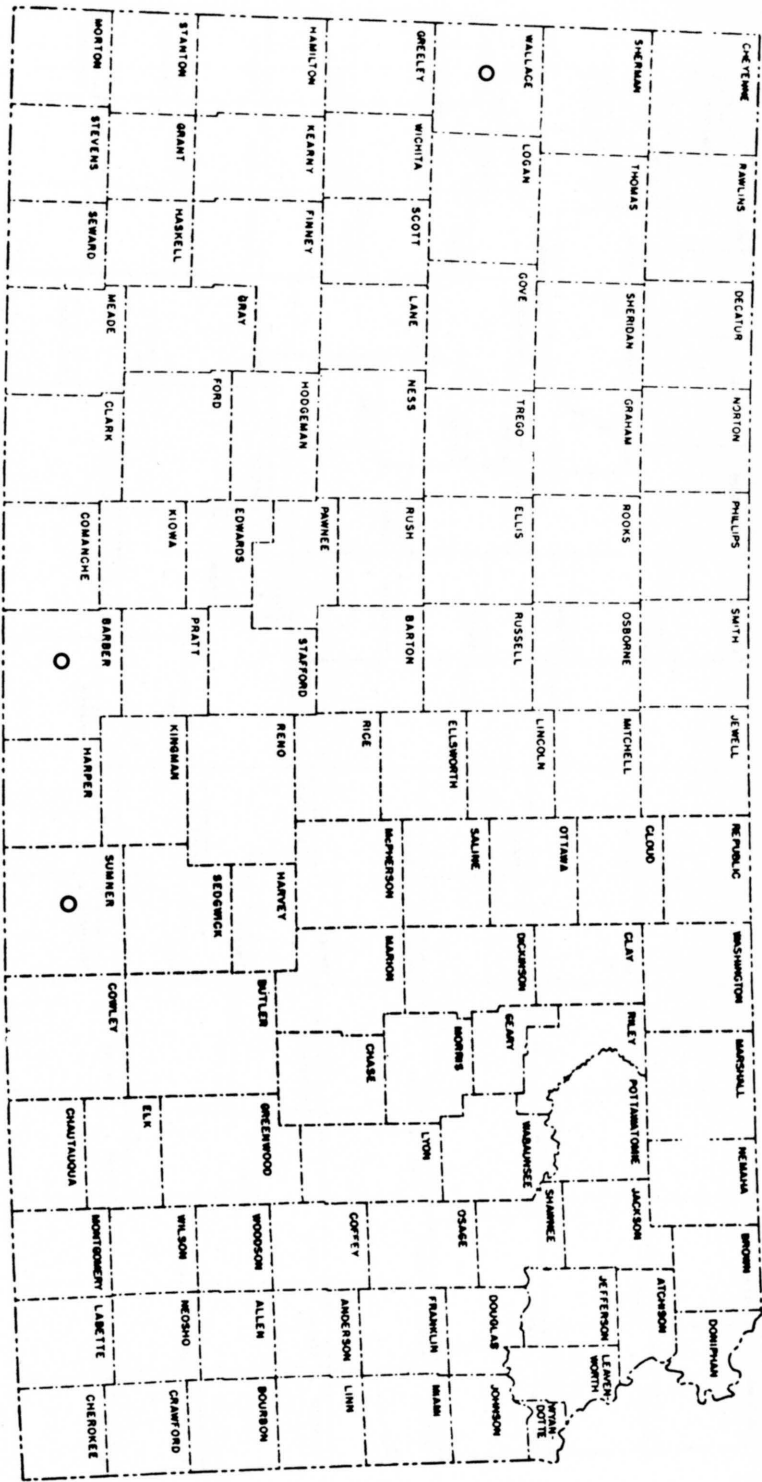


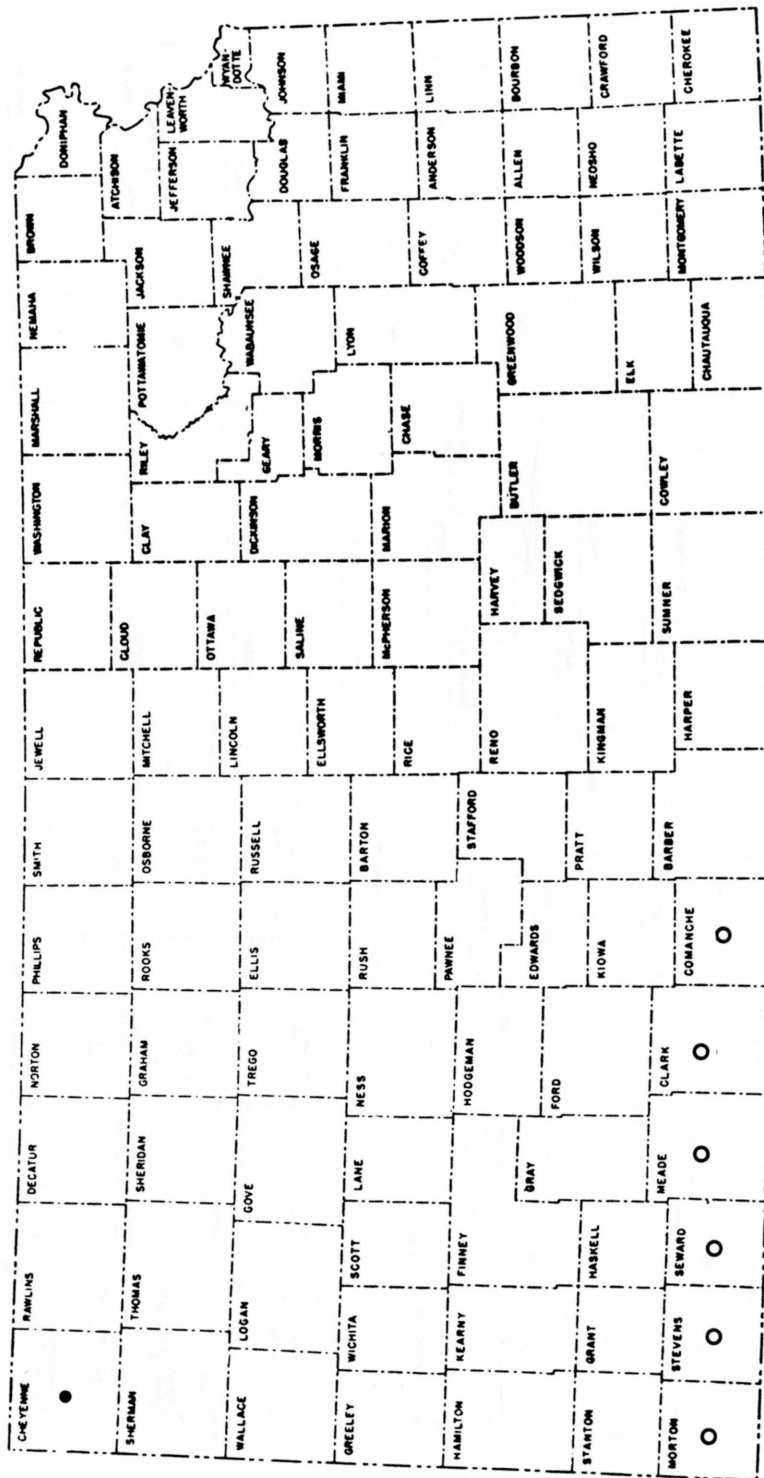
56) Bell's Skipper
Amblyscirtes belli



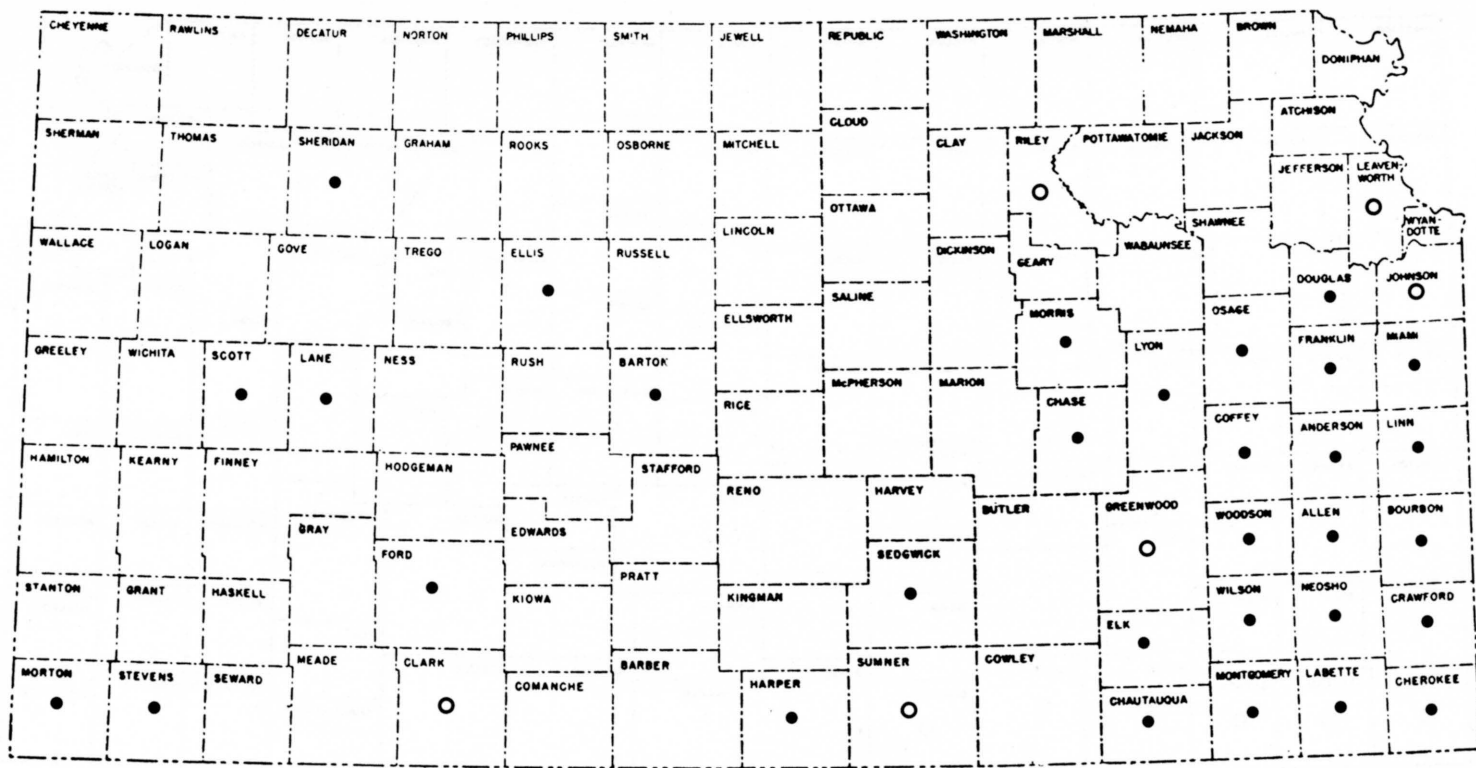
57) Eufala Skipper
 Lerodea eufala

59) Colorado Yucca Skipper
Megathymus coloradensis

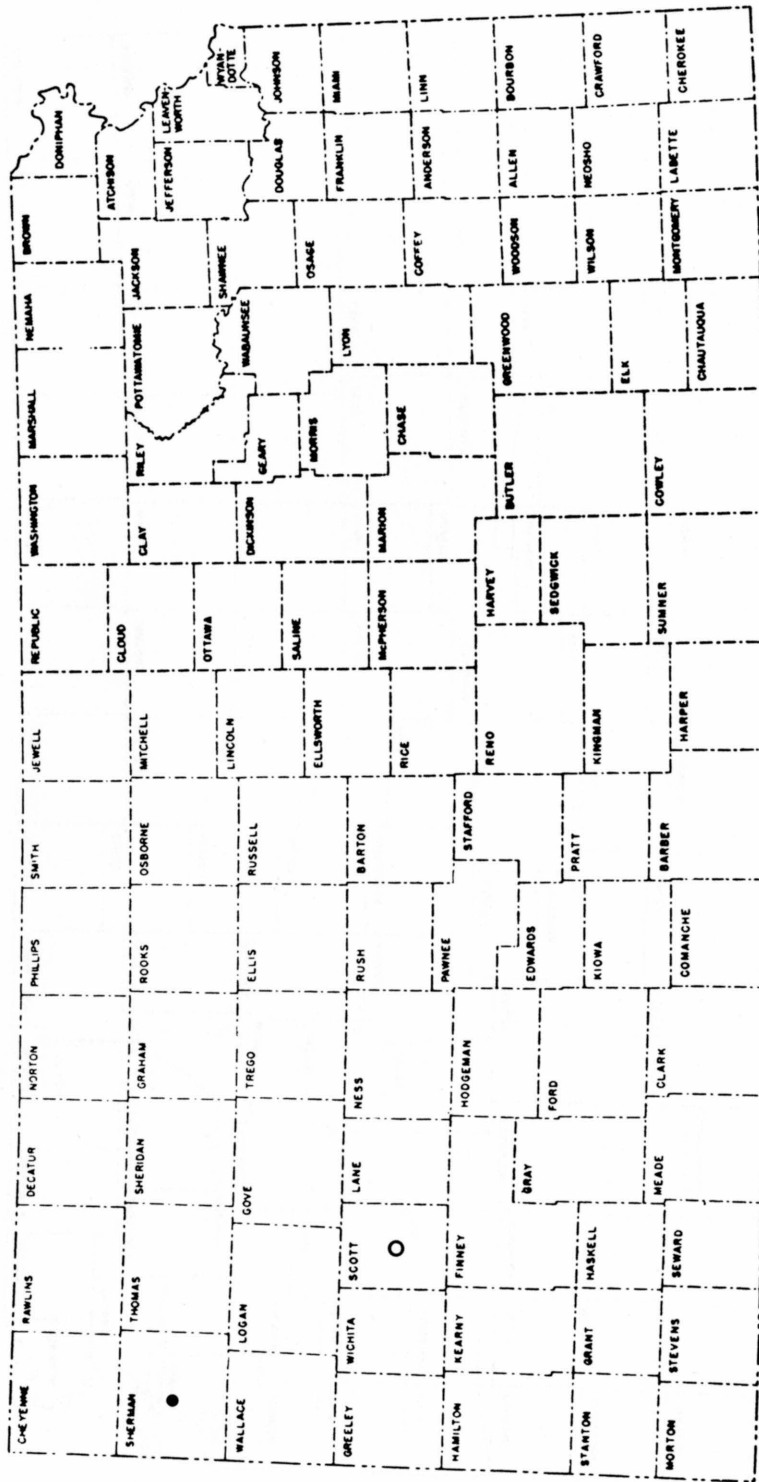




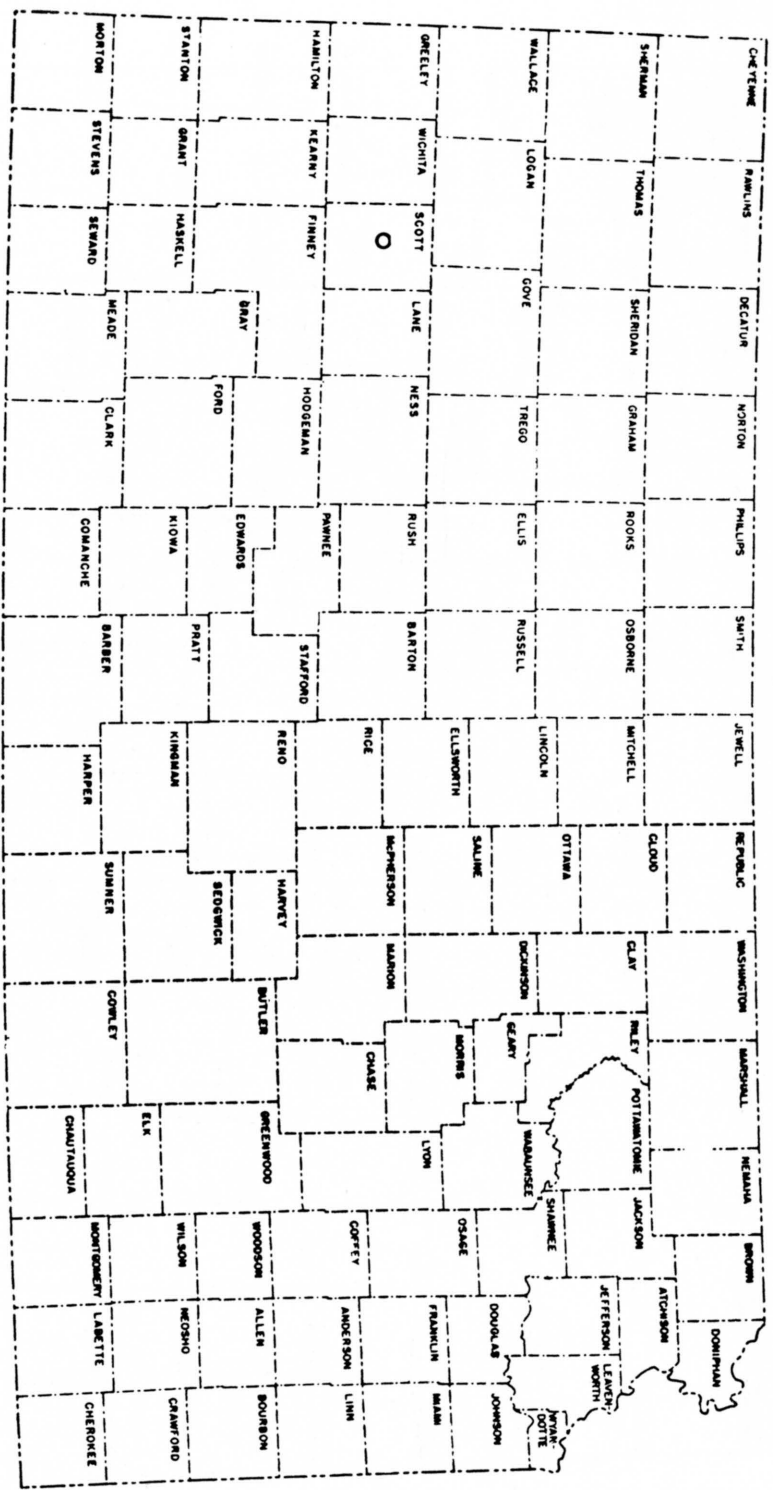
60) Giant Skipper
Megathymus texanus



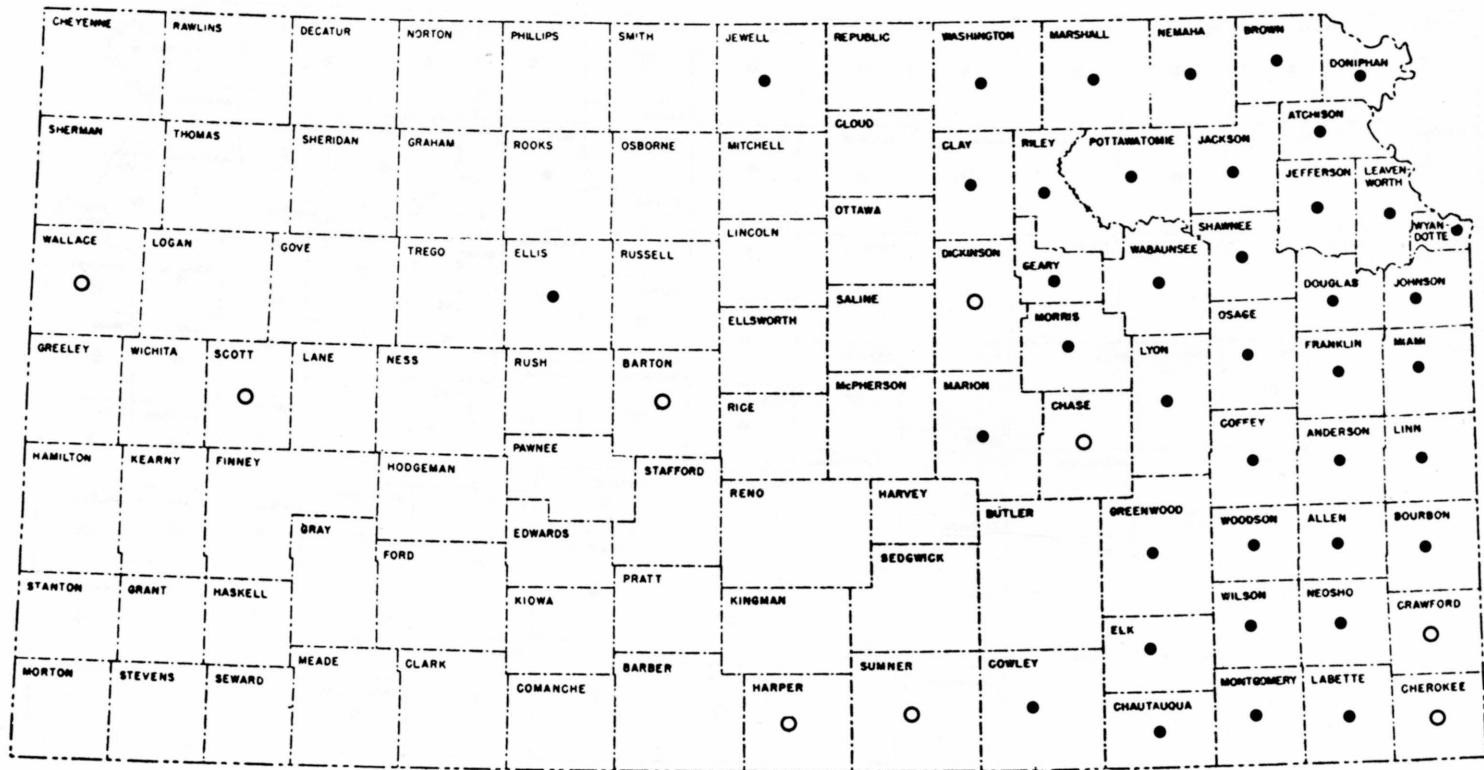
61) Pipevine Swallowtail
Battus philenor



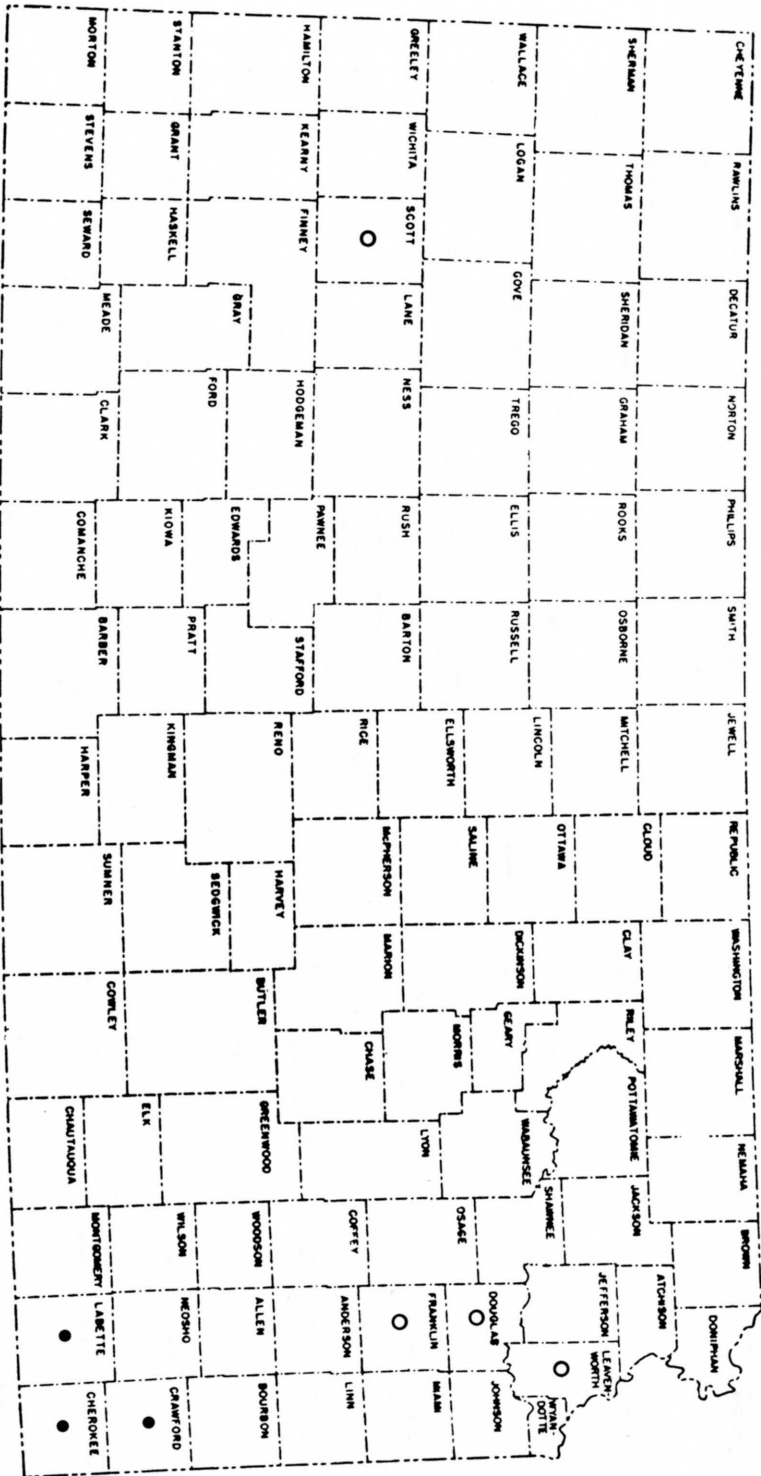
64) Baird's Swallowtail
Papilio bairdii



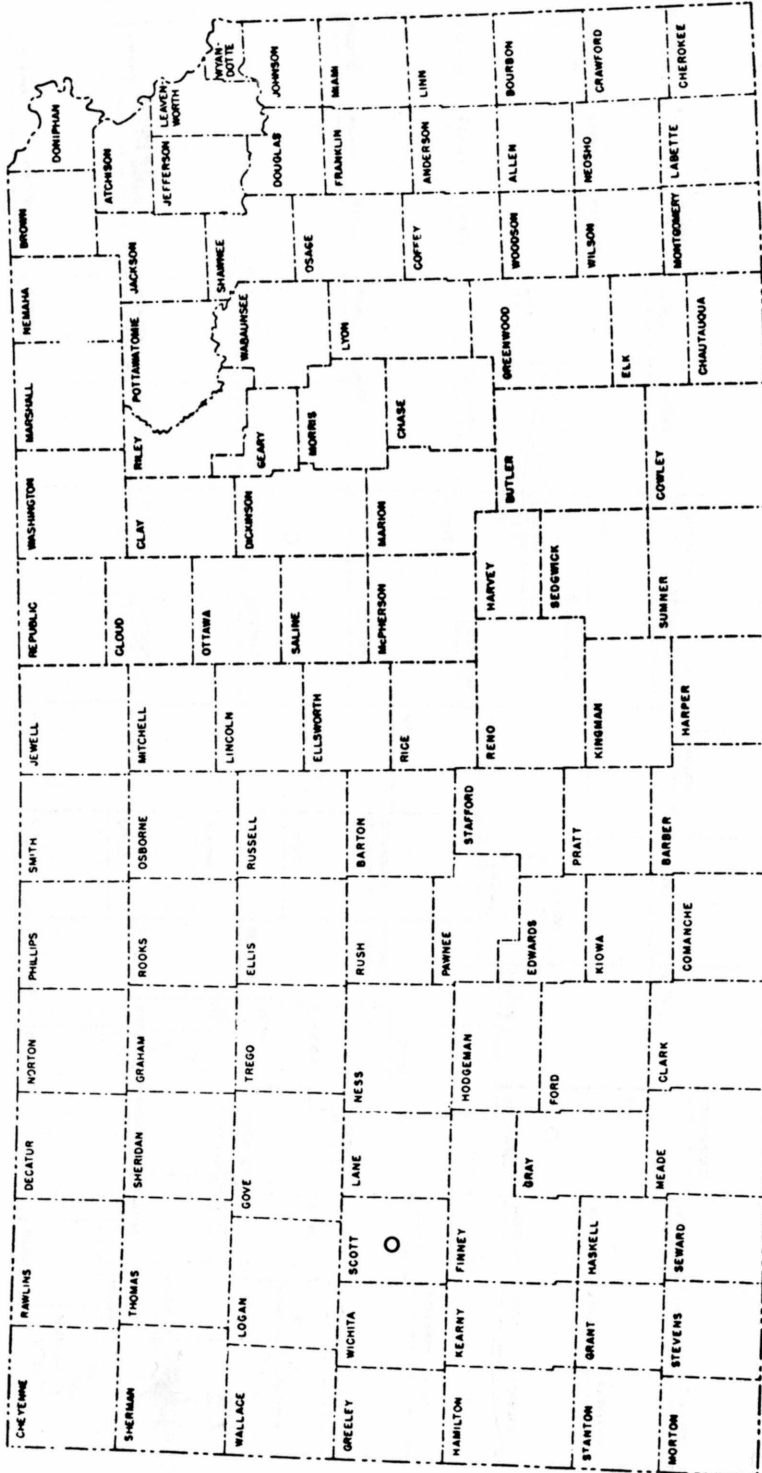
65) Thoas Swallowtail
 Heracides thoas



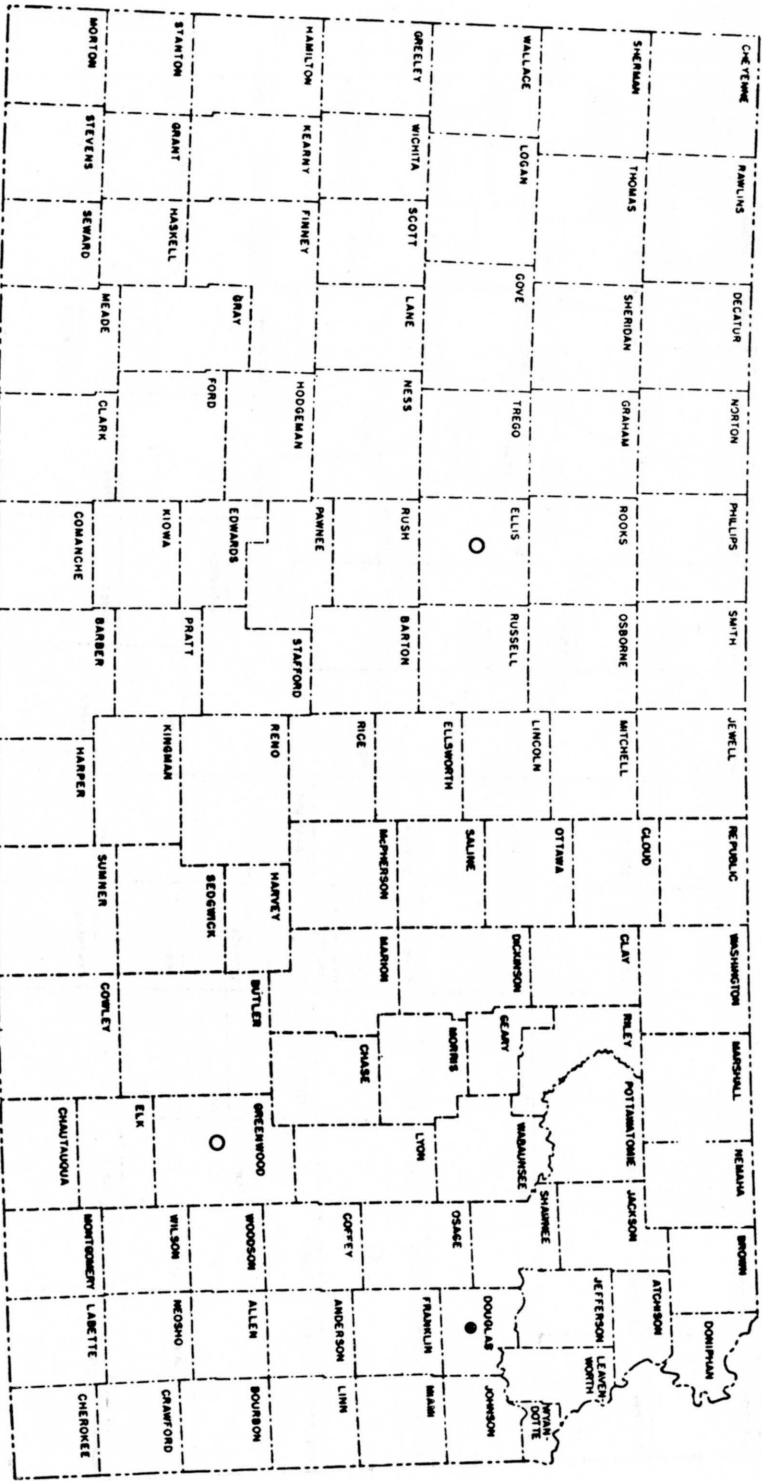
66) Giant Swallowtail
Heraclides crespontes



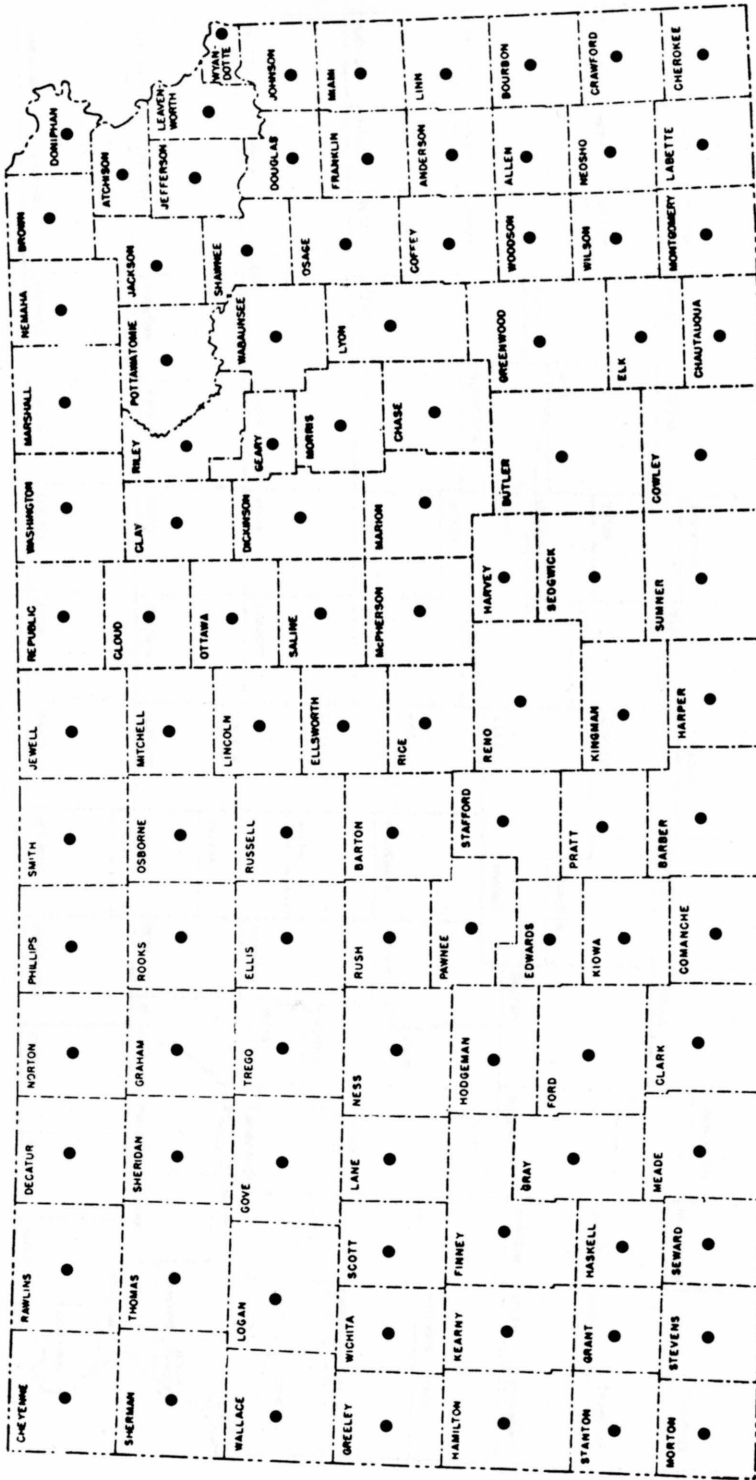
69) Spicebush Swallowtail
Pterourus troilus



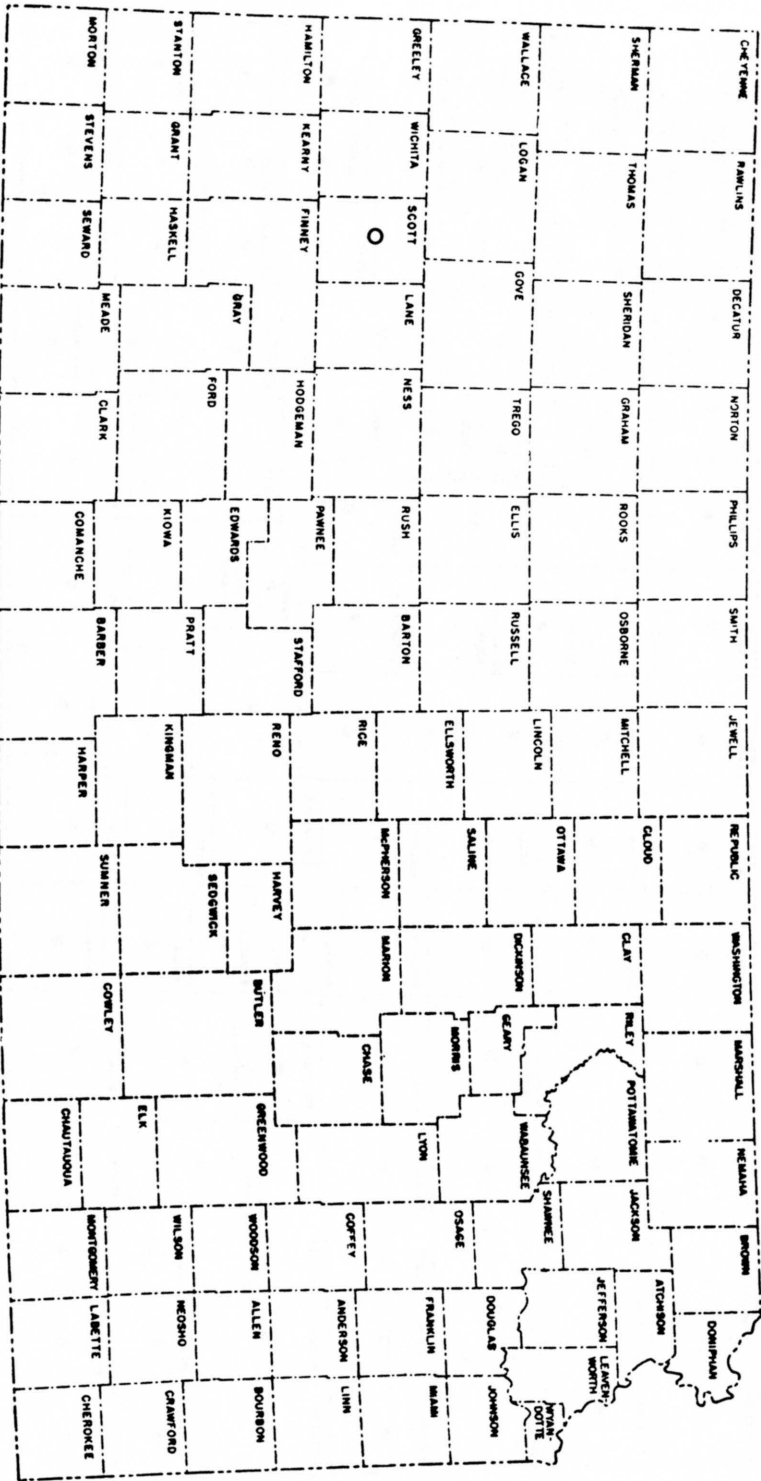
70) Anchisades Swallowtail
 Priamides anchisades



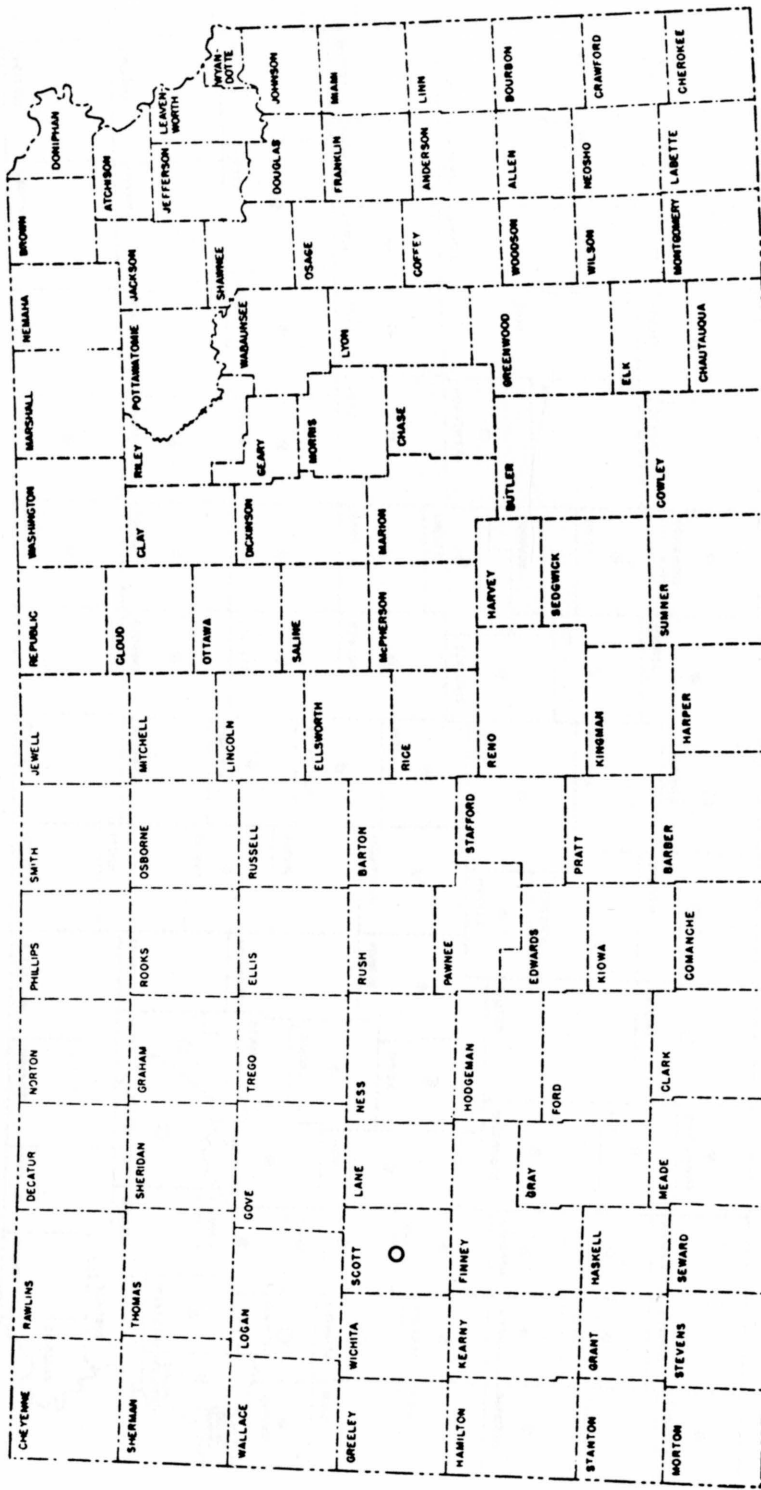
71) Florida White
 Aprias drusilla



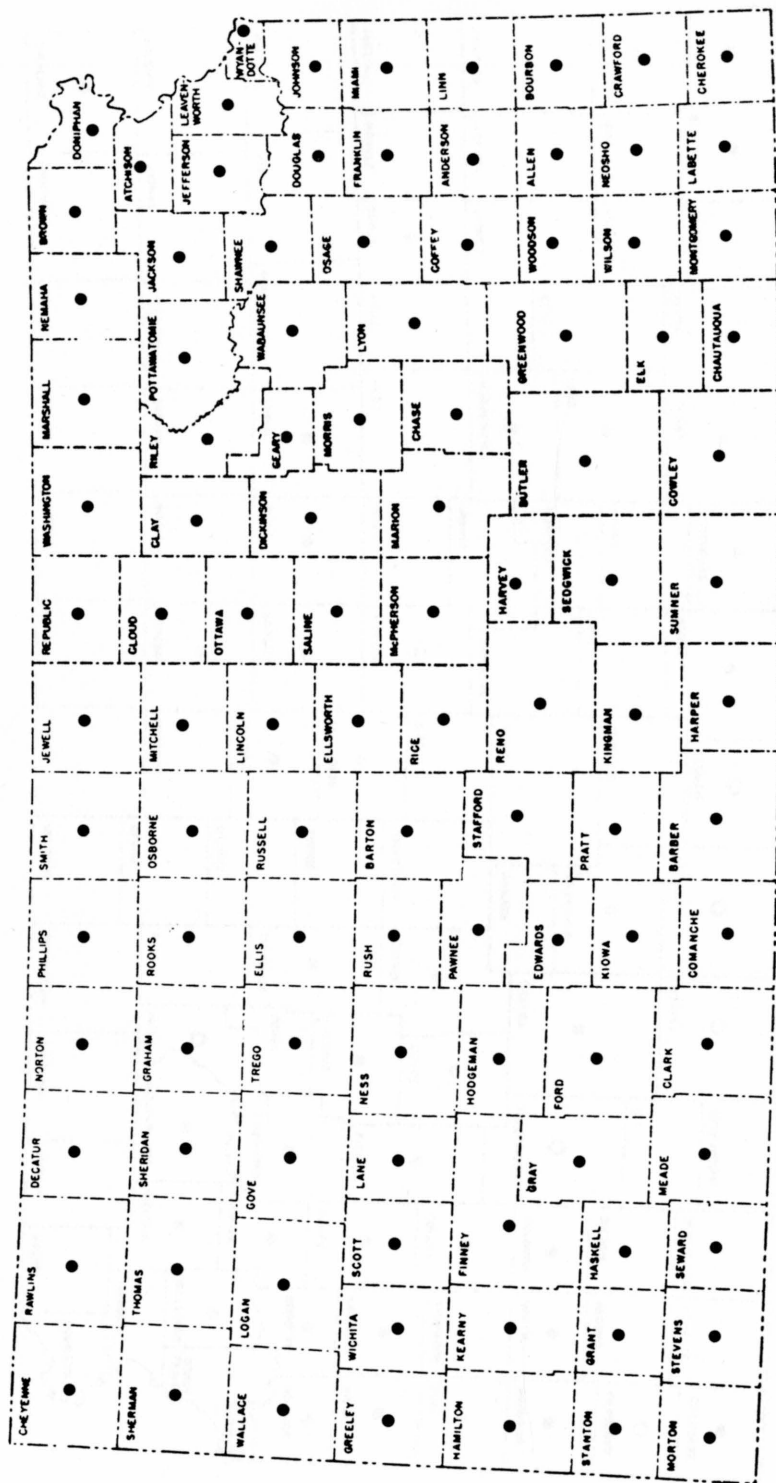
72) Checkered White
Pontia protodice



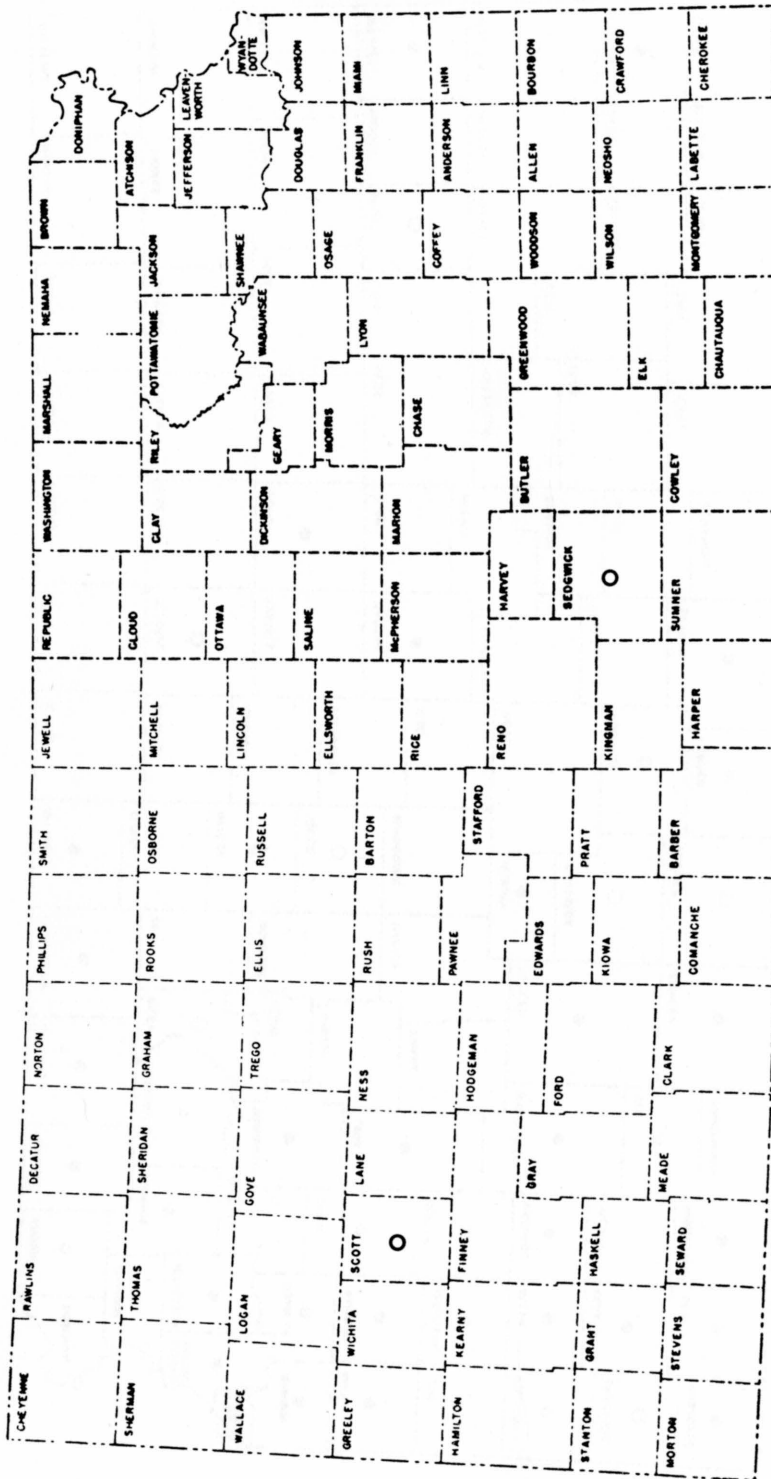
73) Western White
Pontia occidentalis



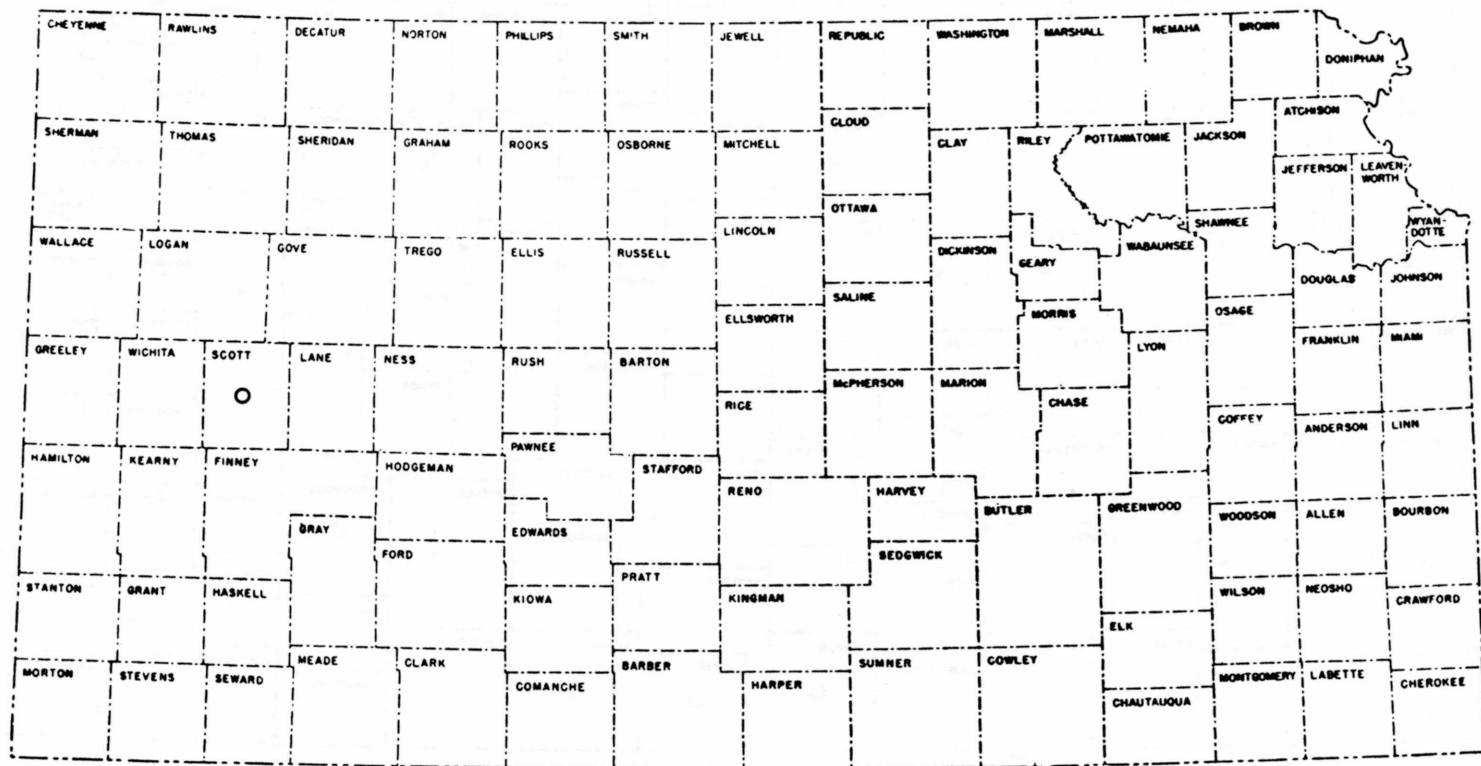
76) Amaryllis White
Ganya josephina



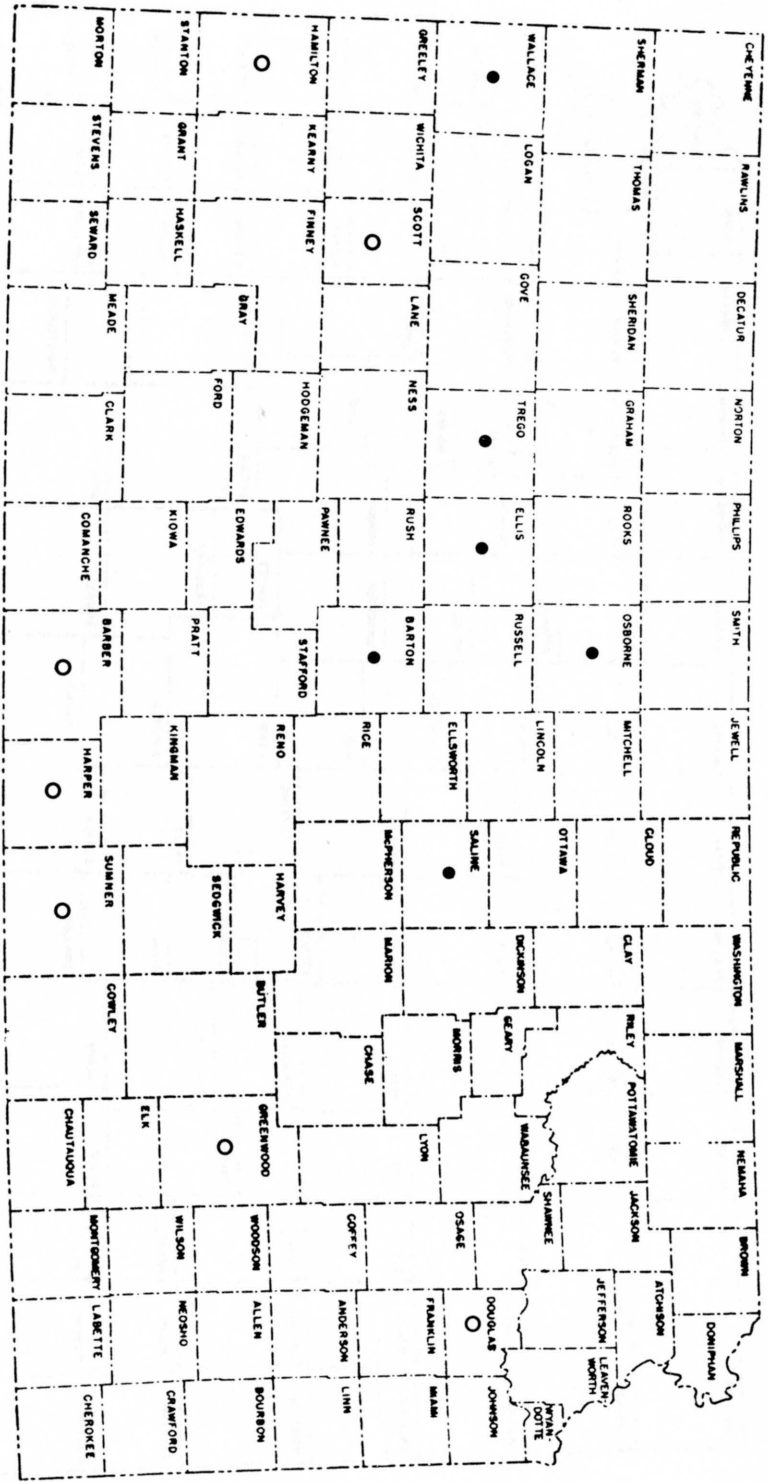
80) Alfalfa Butterfly
Colias eurytheme



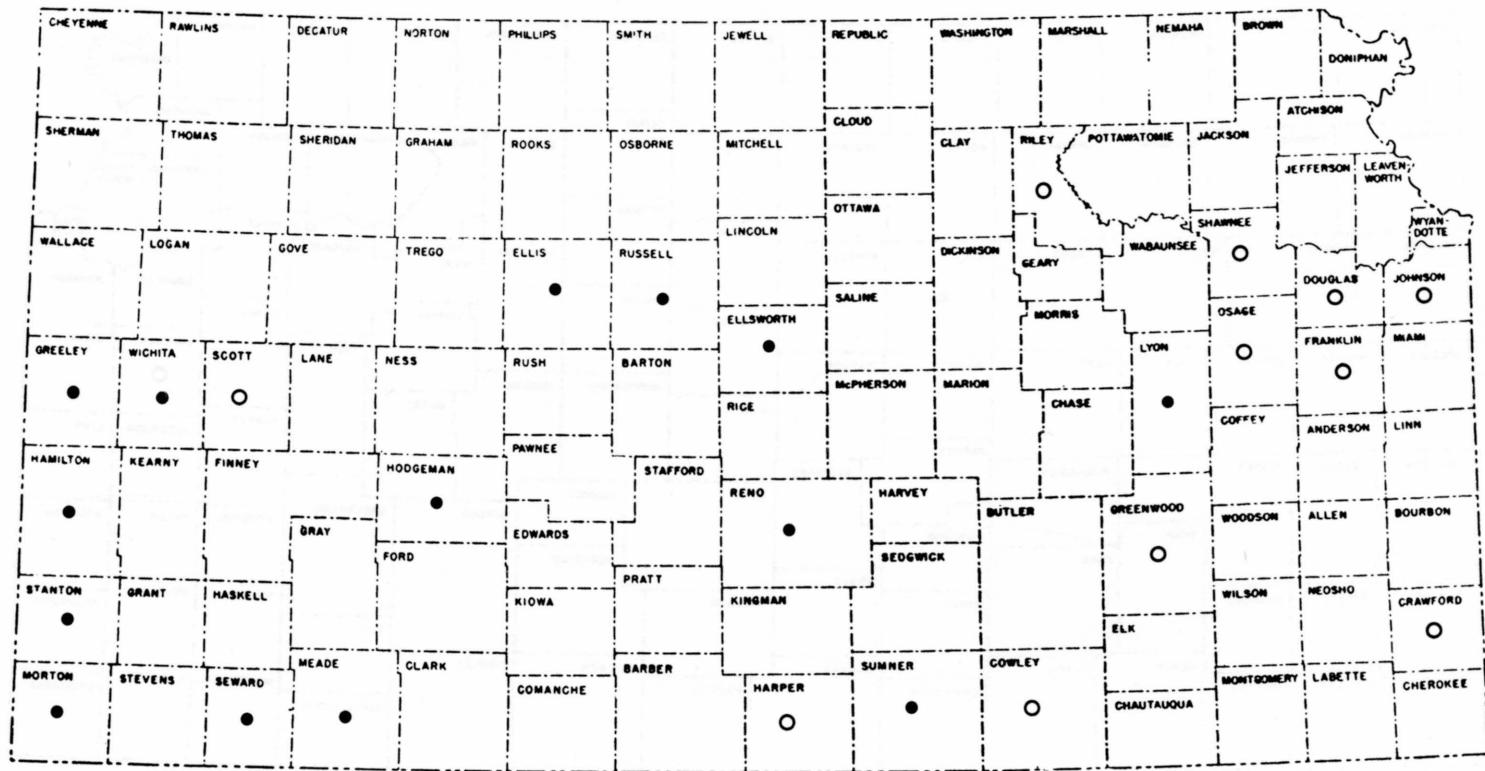
82) White Angled Sulphur
Anteos chloride



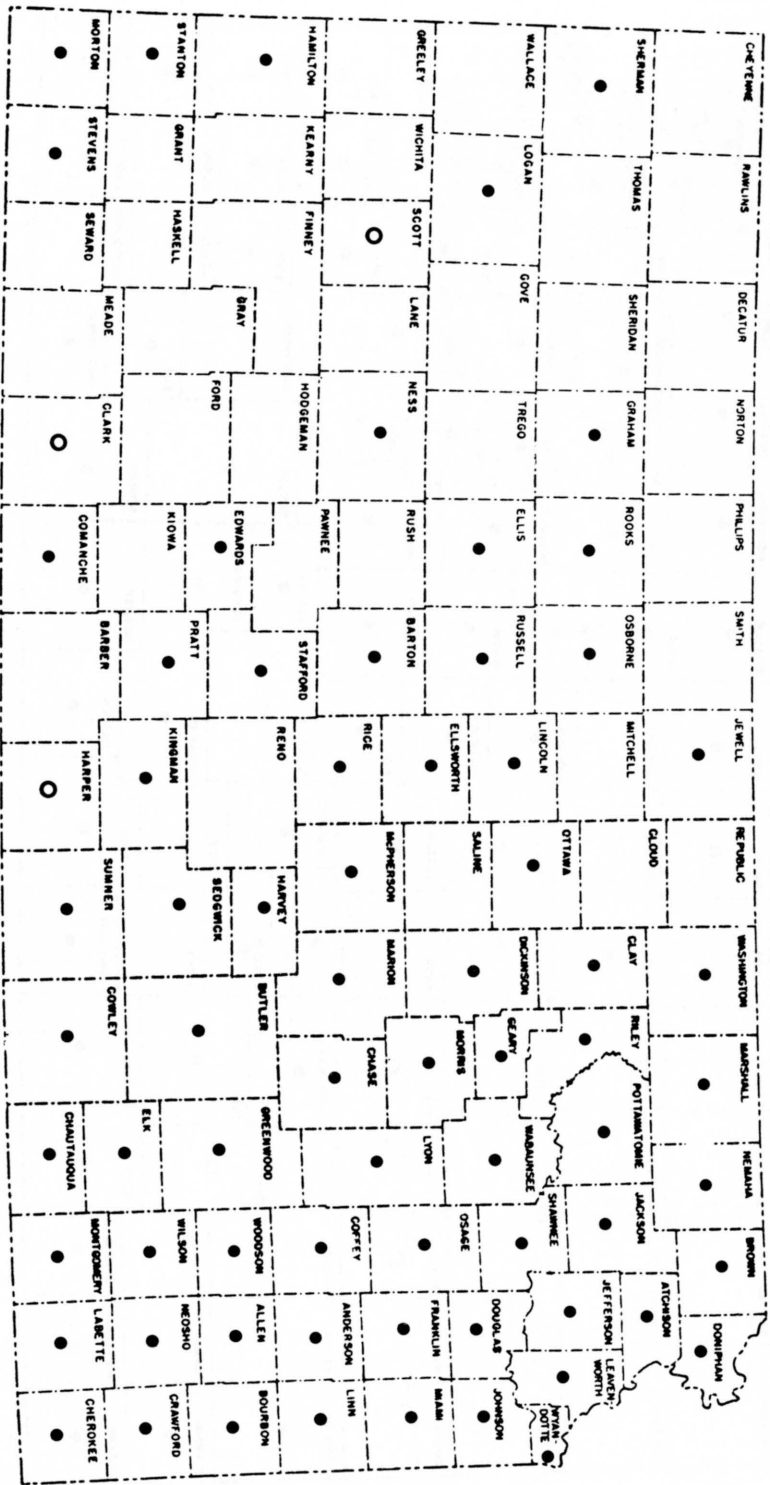
86) Statira
Aphrissa statira



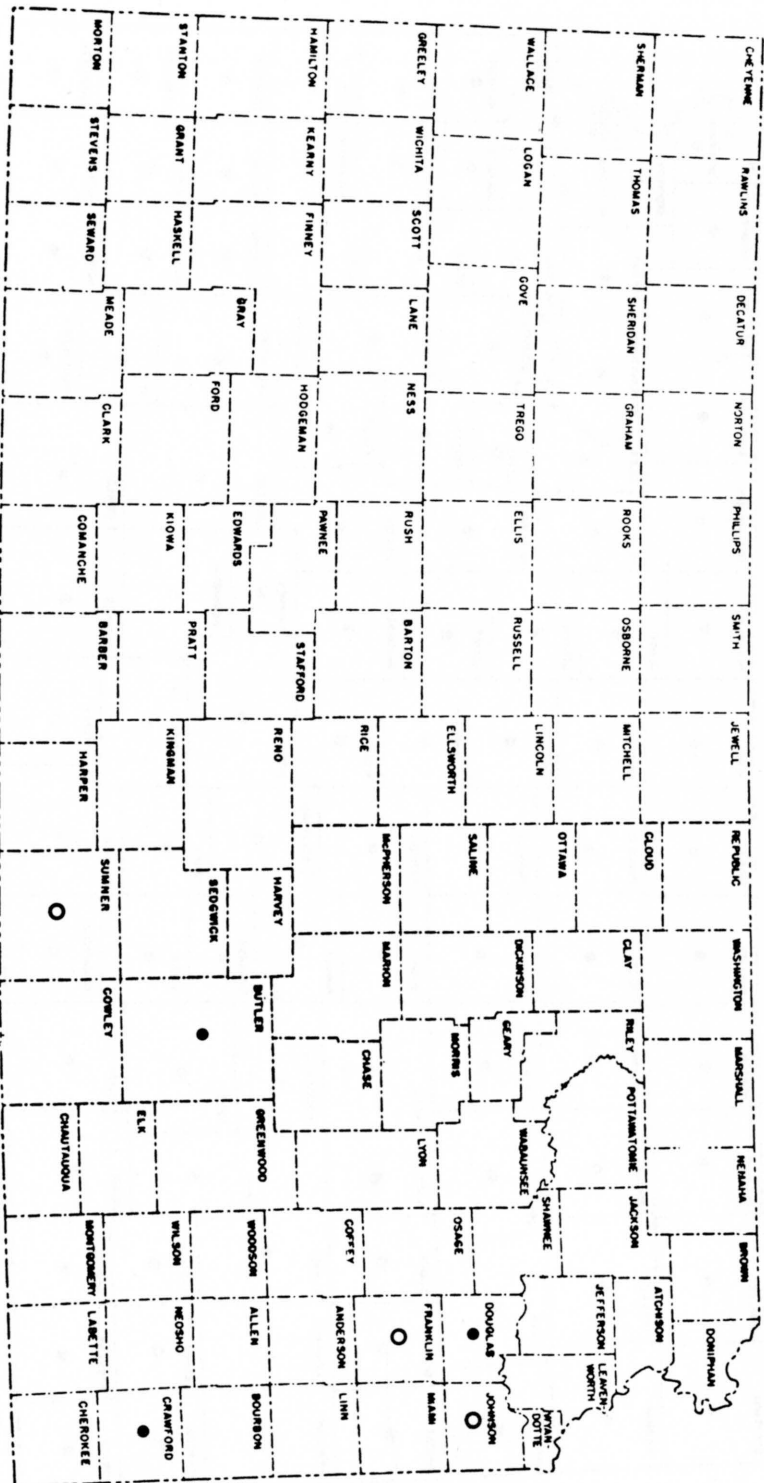
87) Lyside Butterfly
 Kricogonia lyside



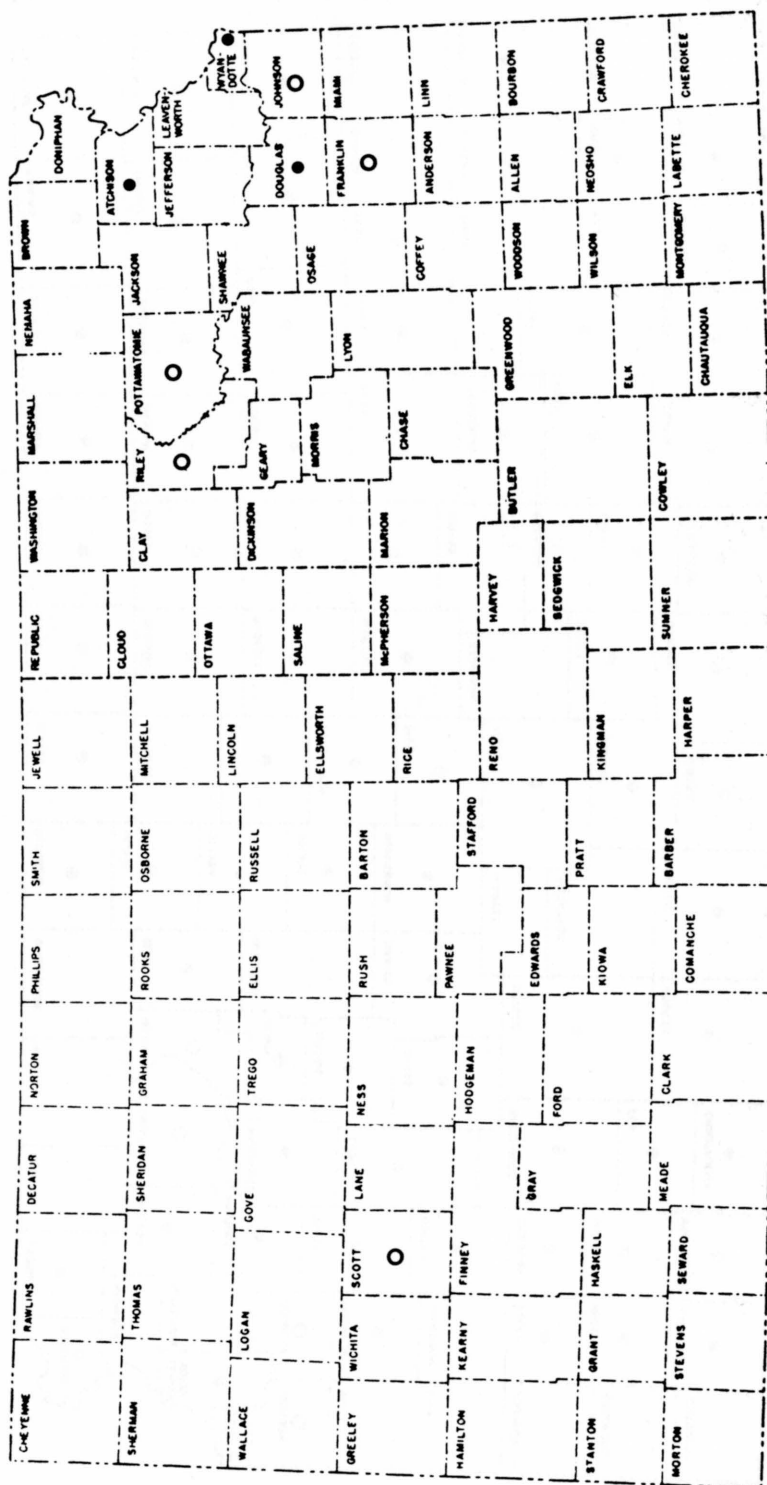
88) Mexican Yellow
Eurema mexicana

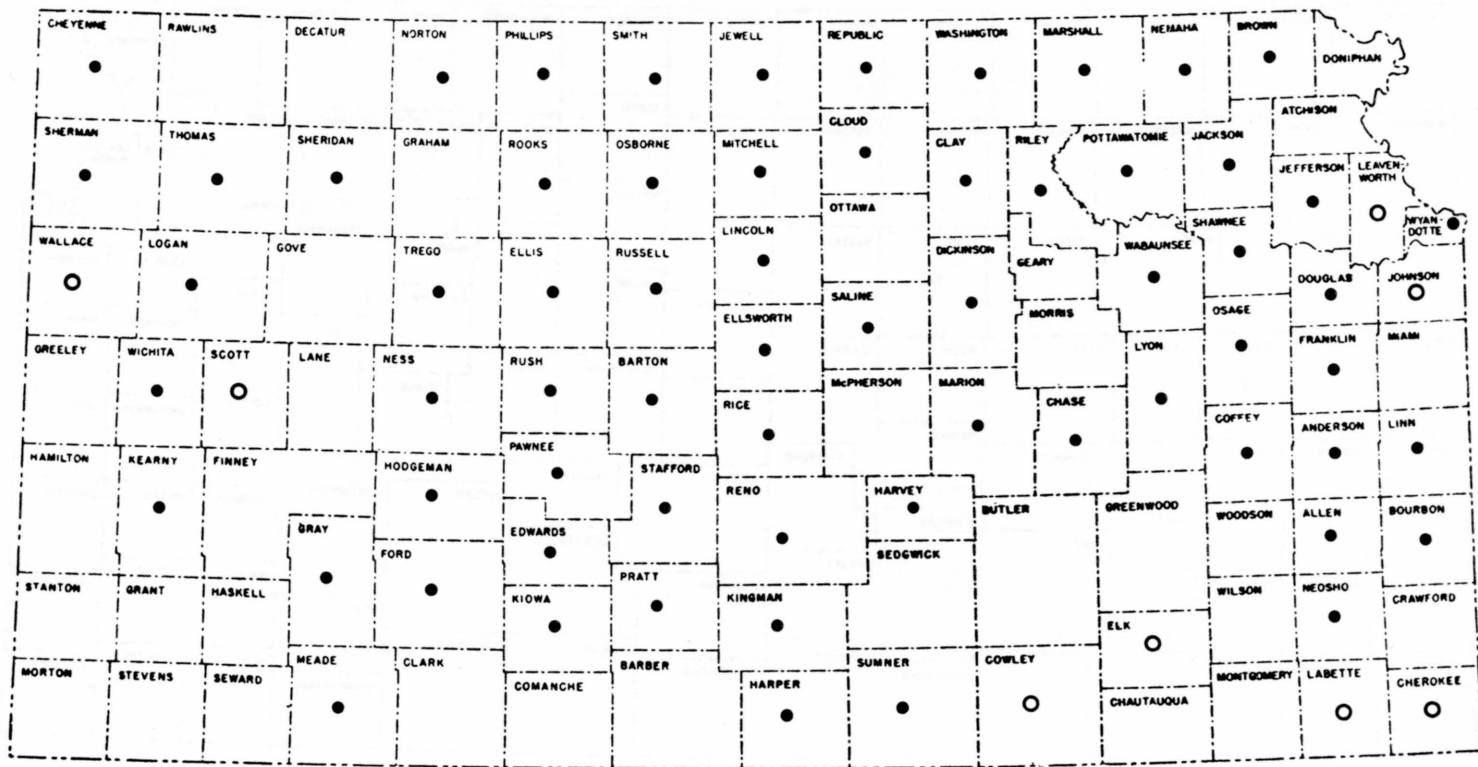


91) Sleepy Orange
Abbeis nicippe

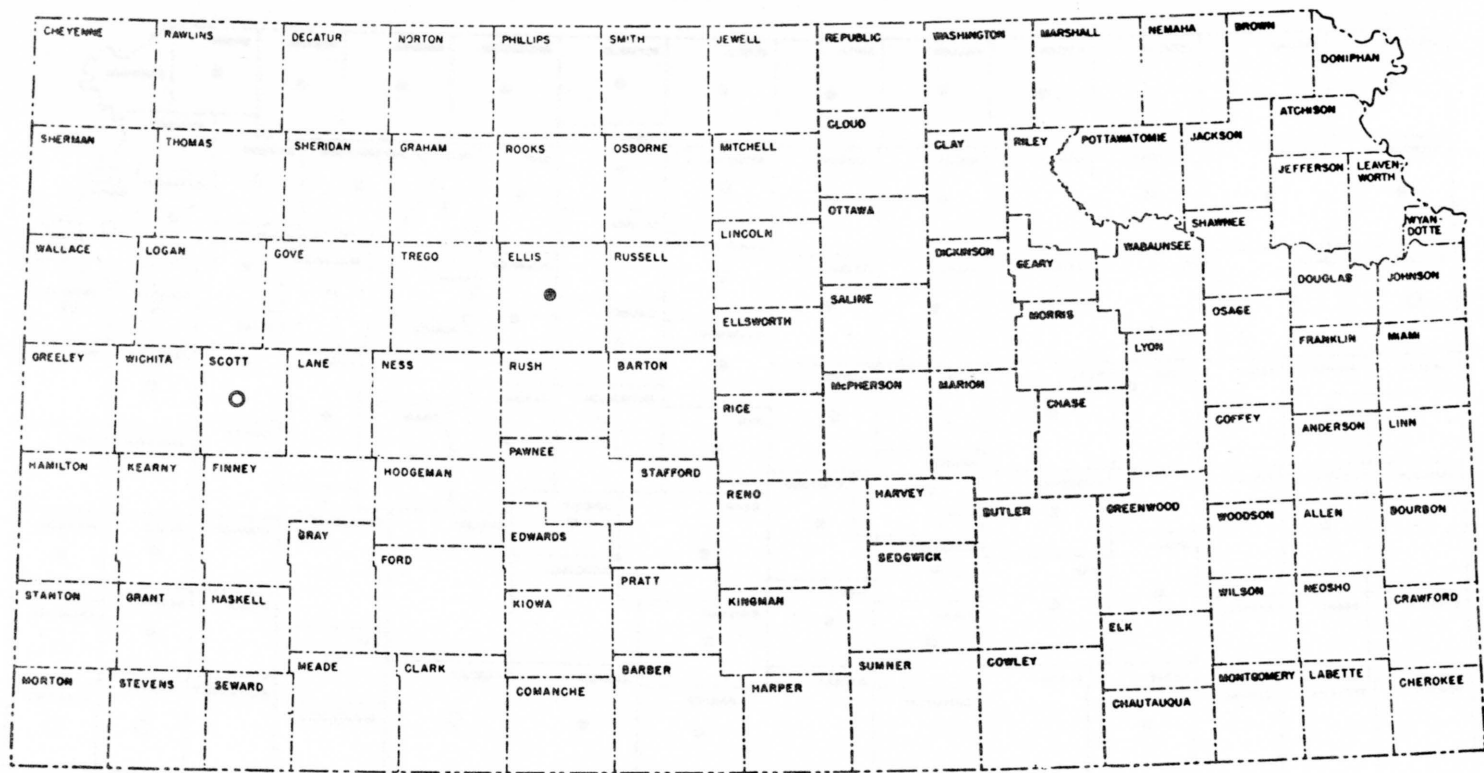


93) Harvester
Fenisea tarquinius

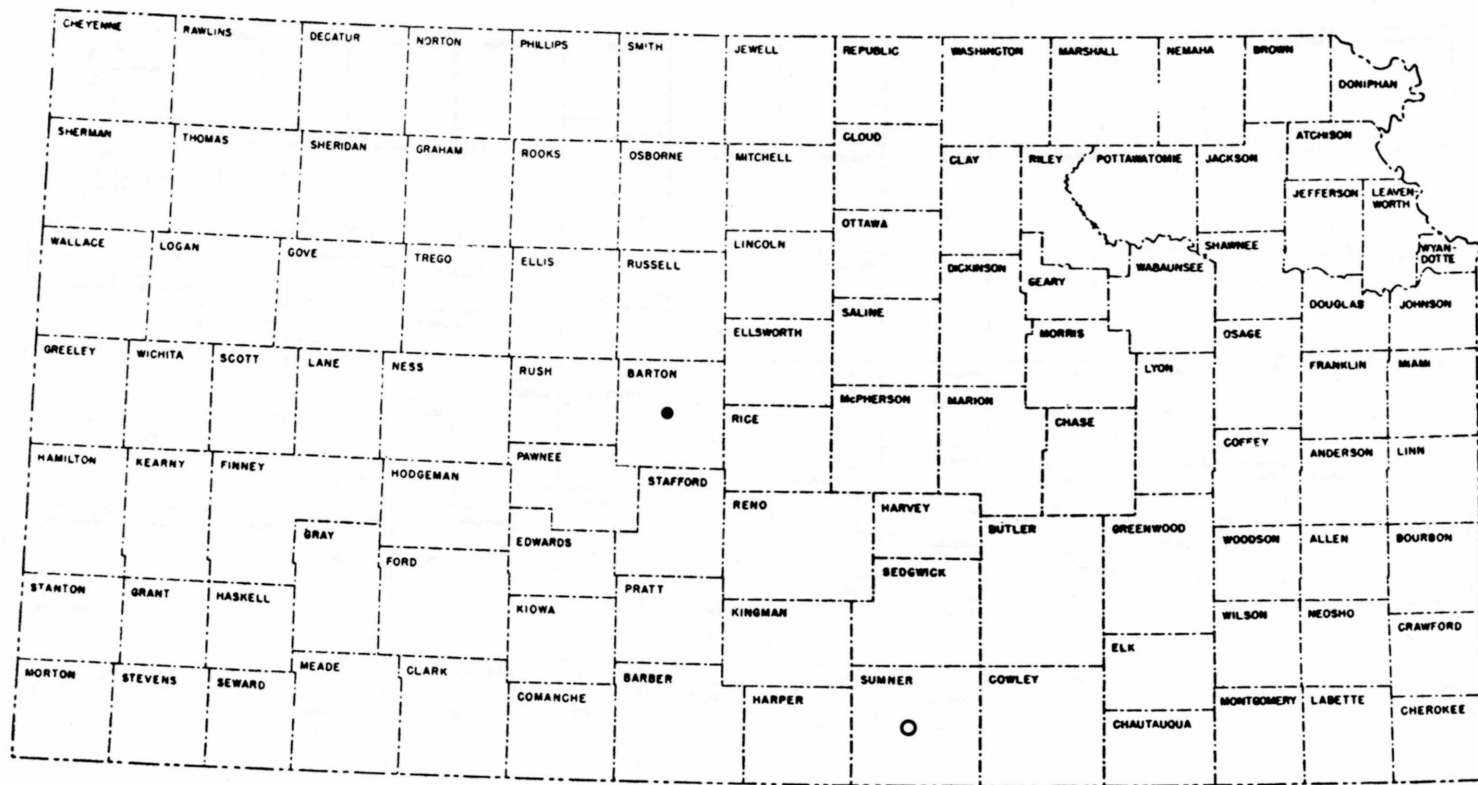




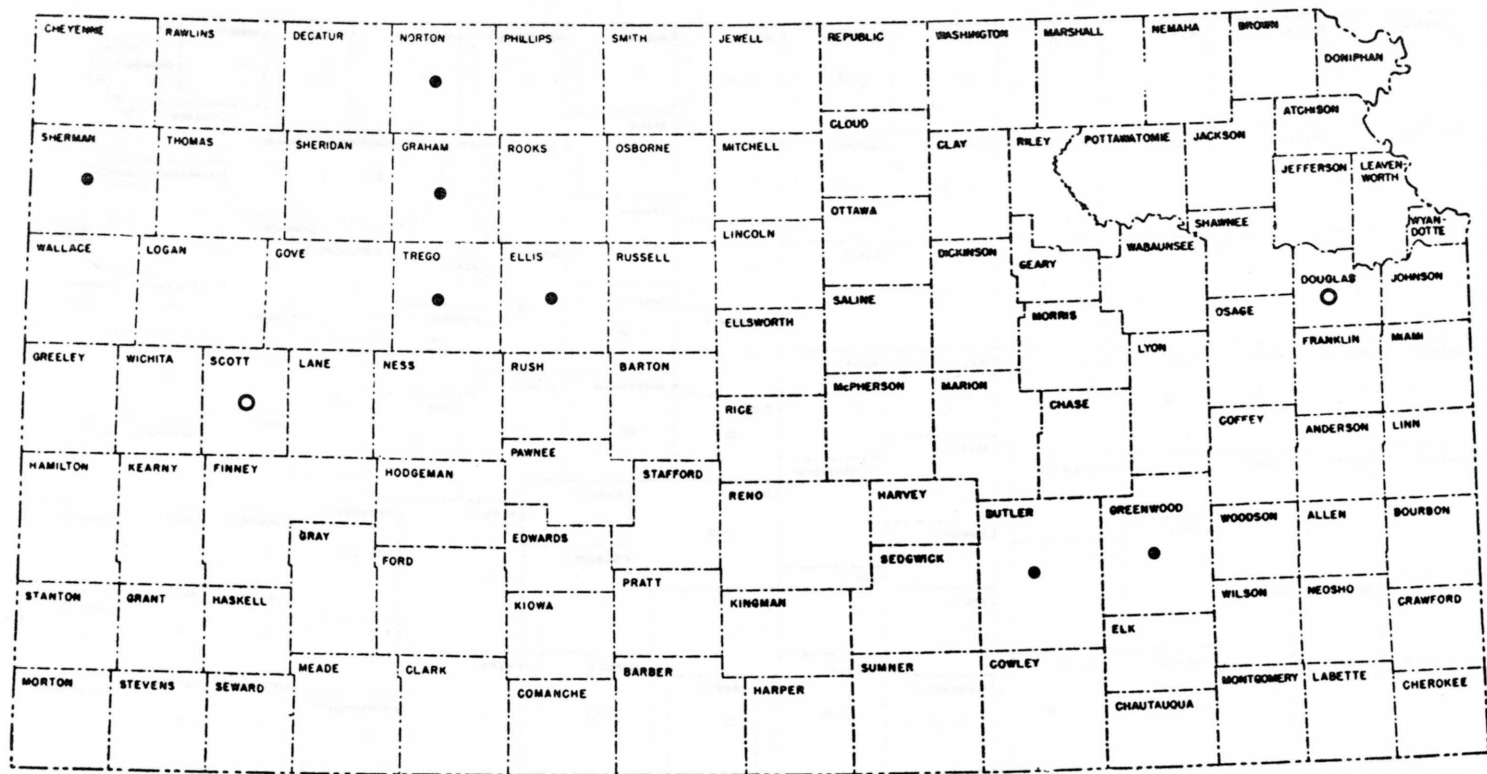
96) Bronze Copper
Hylolycaena hyllus



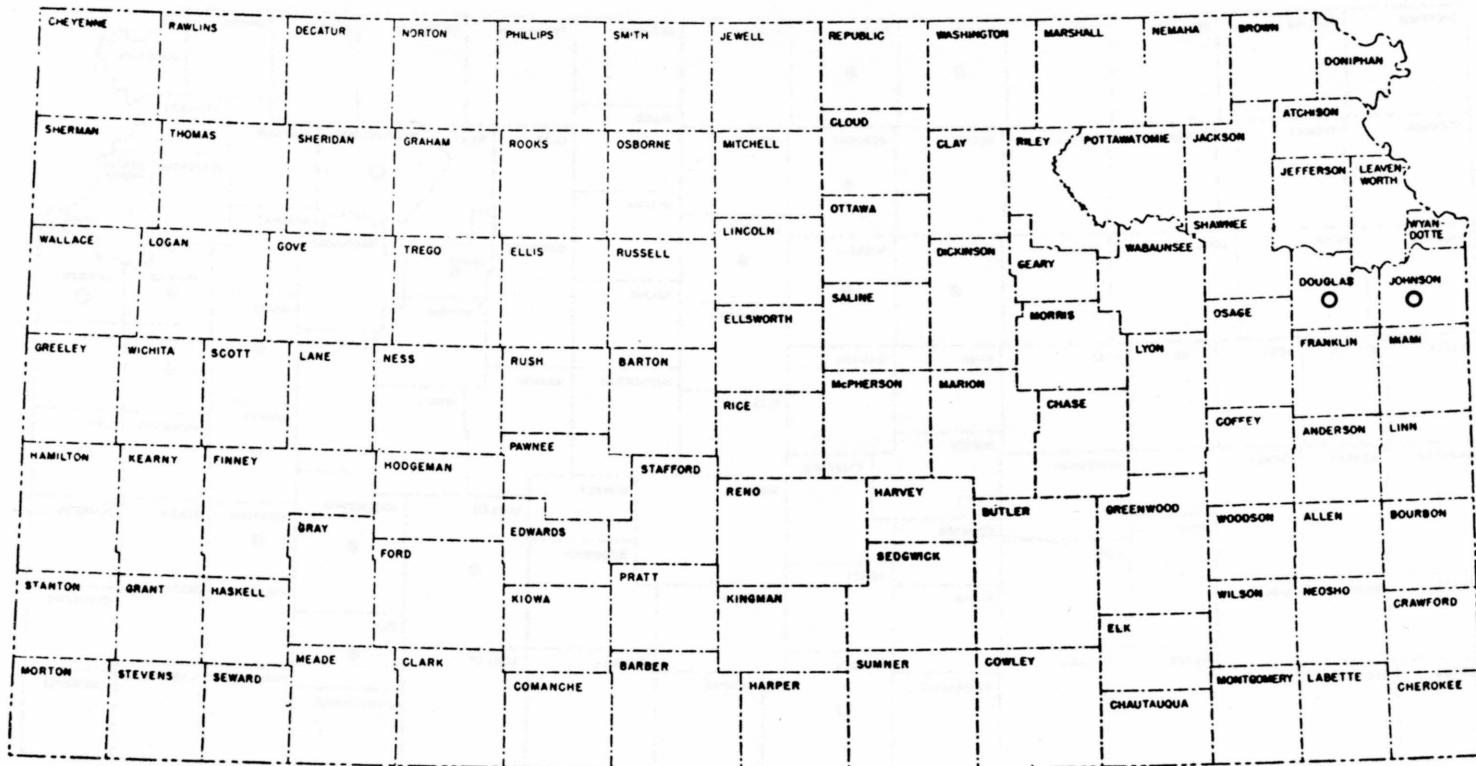
97) Purplish Copper
Epidemia helloides



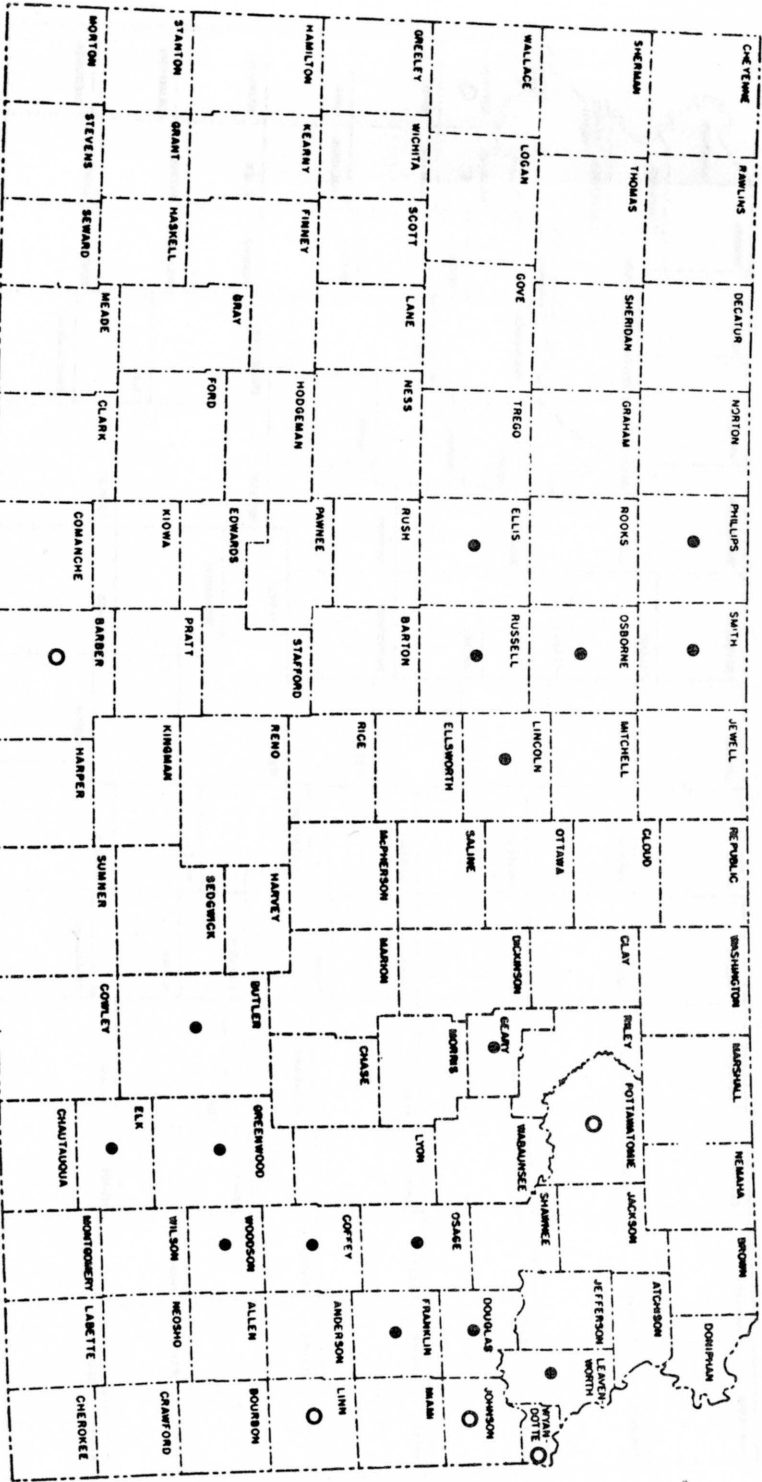
98) Great Blue Hairstreak
Atlides halesus



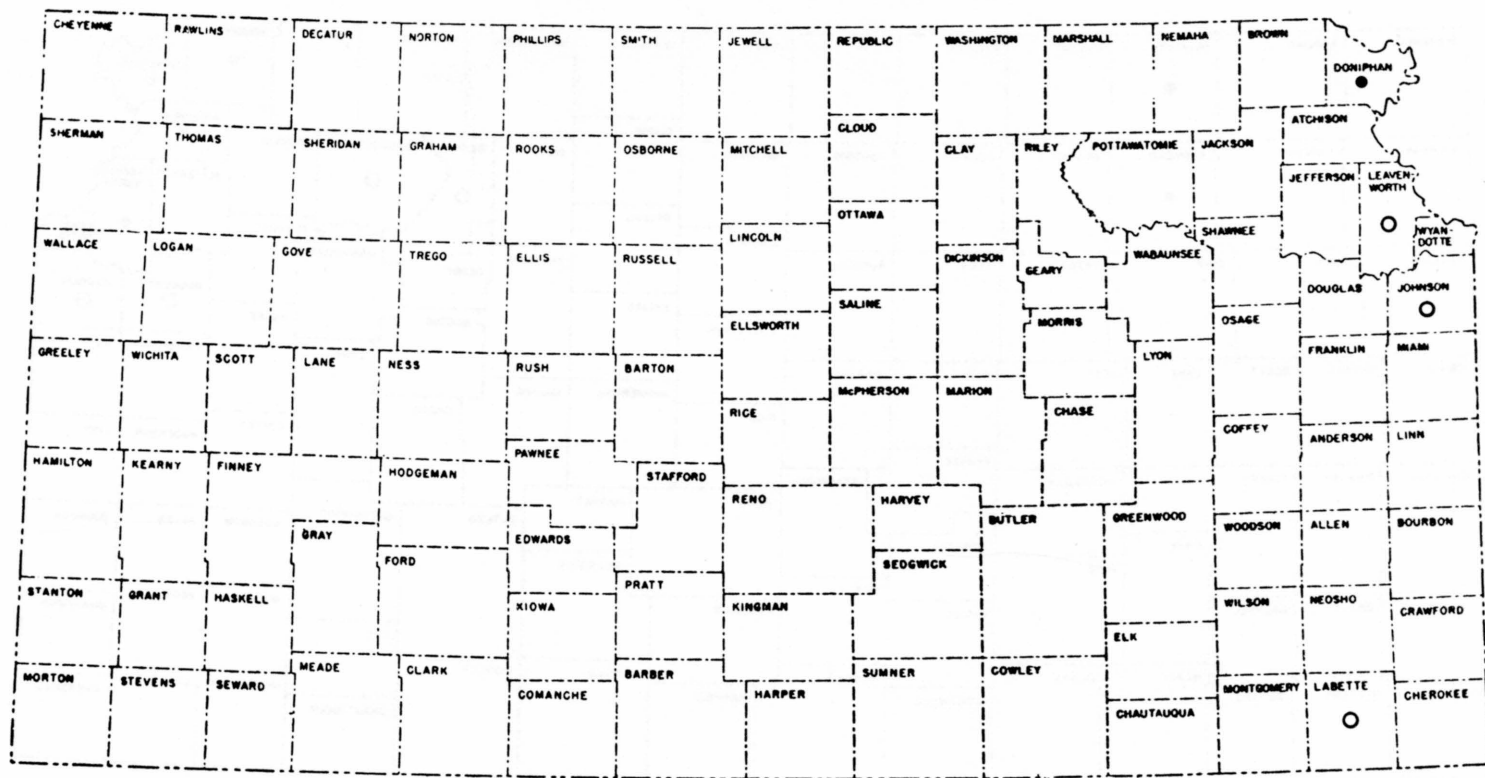
101) Acadian Hairstreak
Satyrium acadica



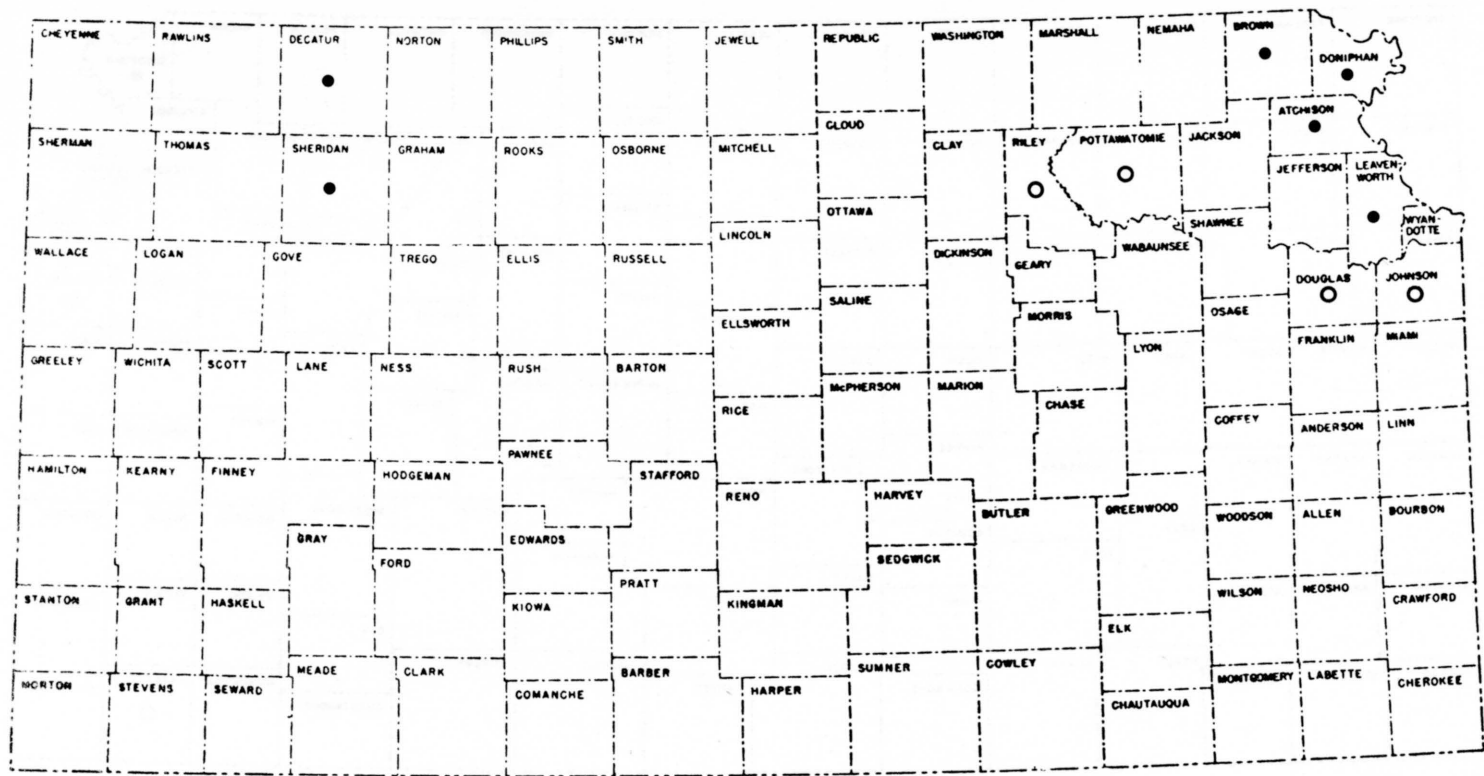
102) Edward's Hairstreak
Satyrus edwardsii



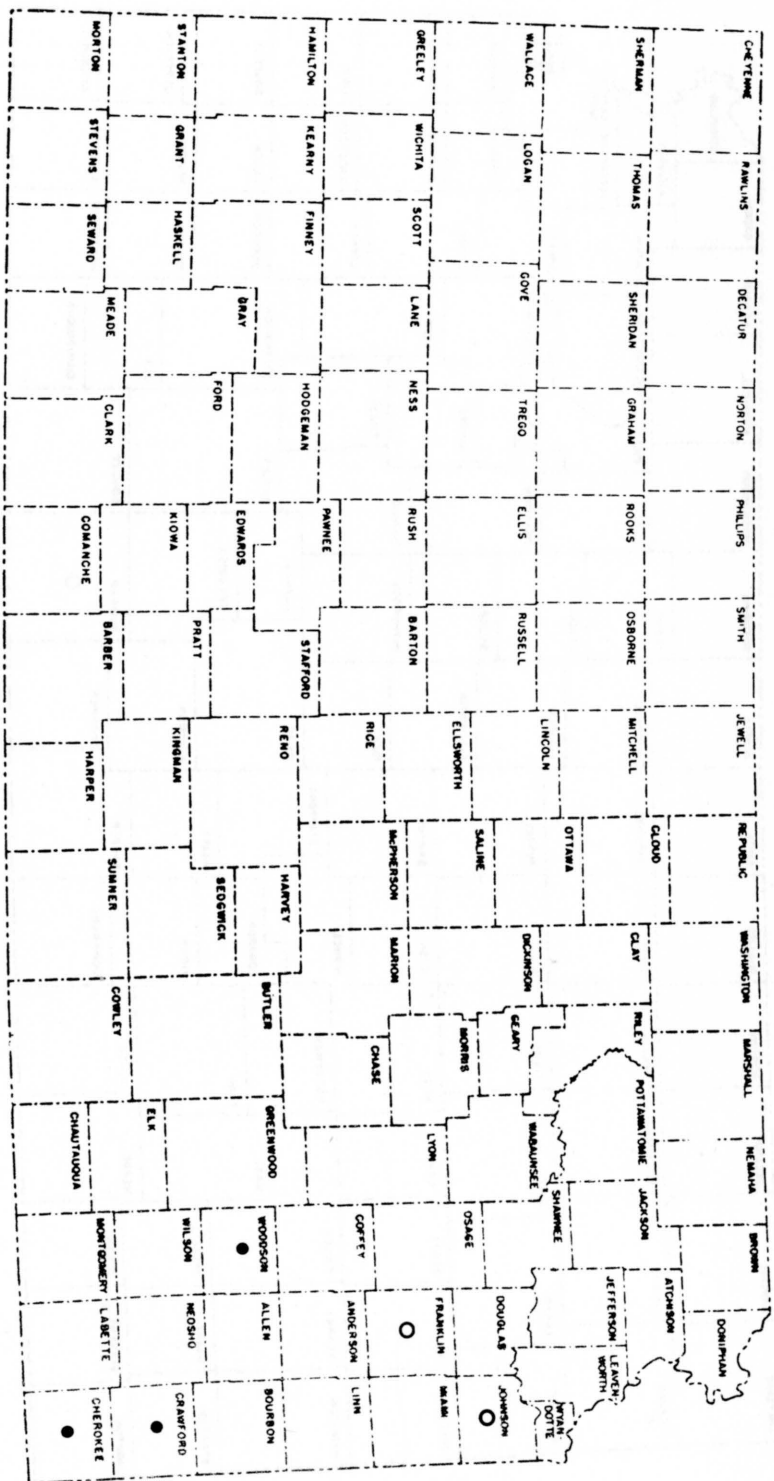
103) Falacer Hairstreak
 Satyrium calanus



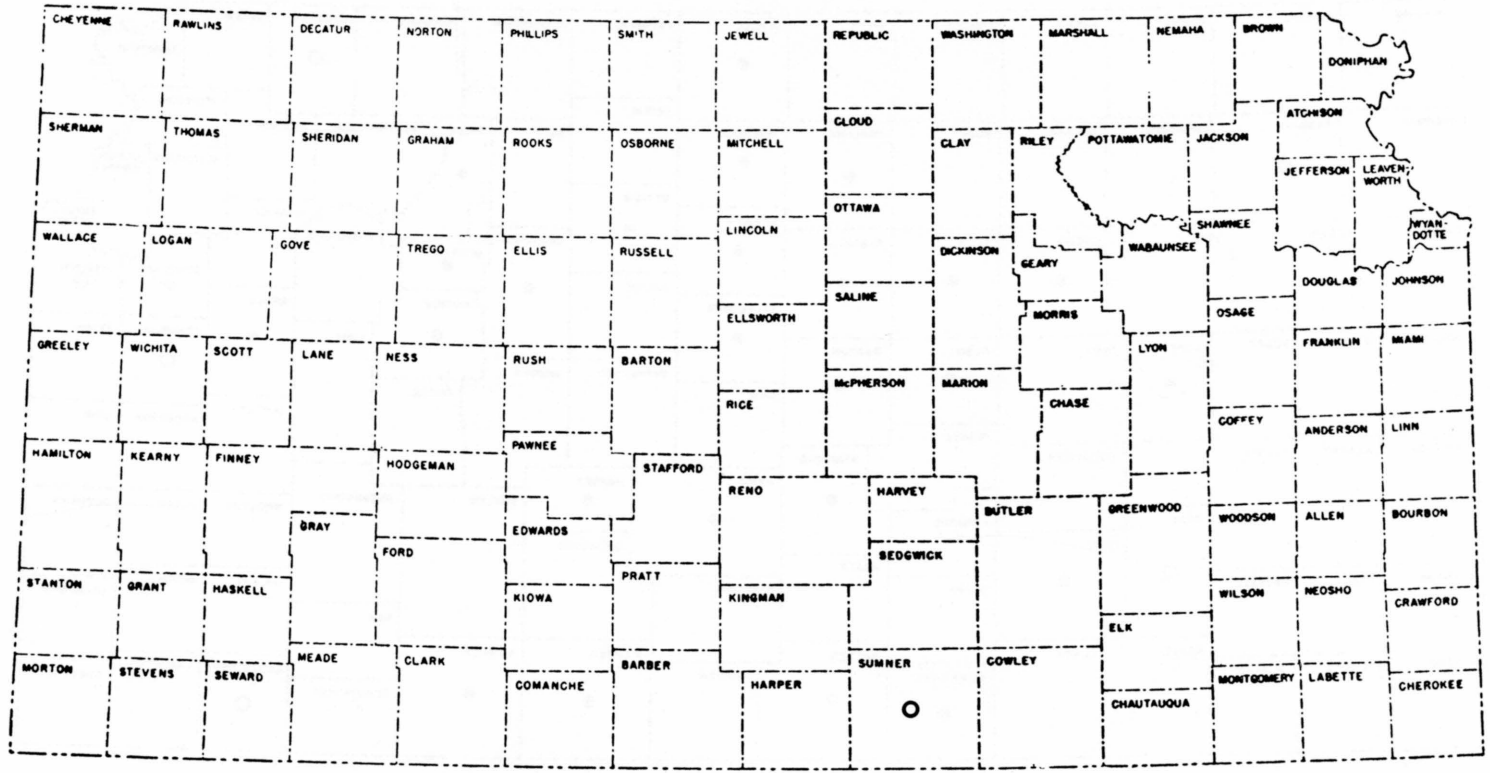
104) Hickory Hairstreak
Satyrium caryaevorum



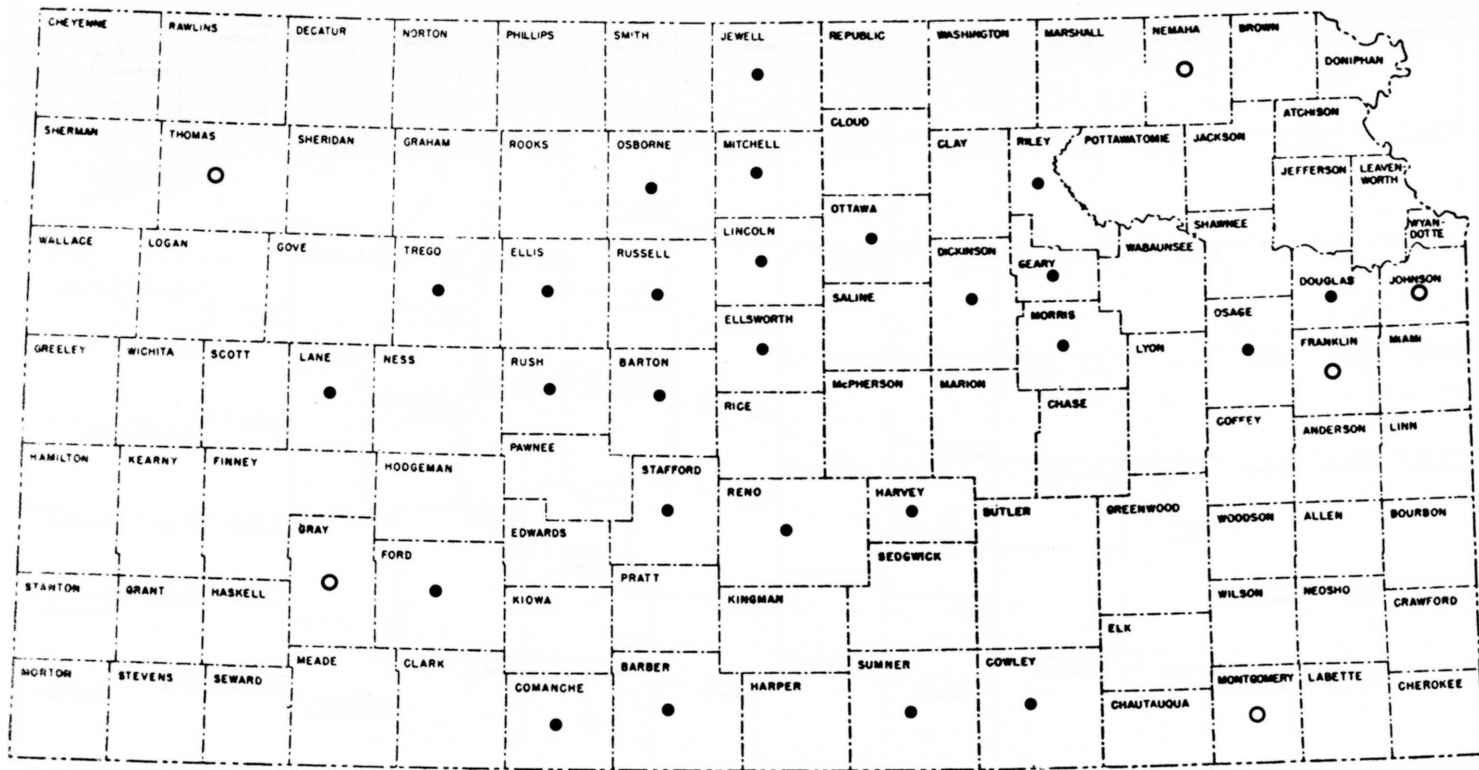
105) Striped Hairstreak
Satyrium liparops



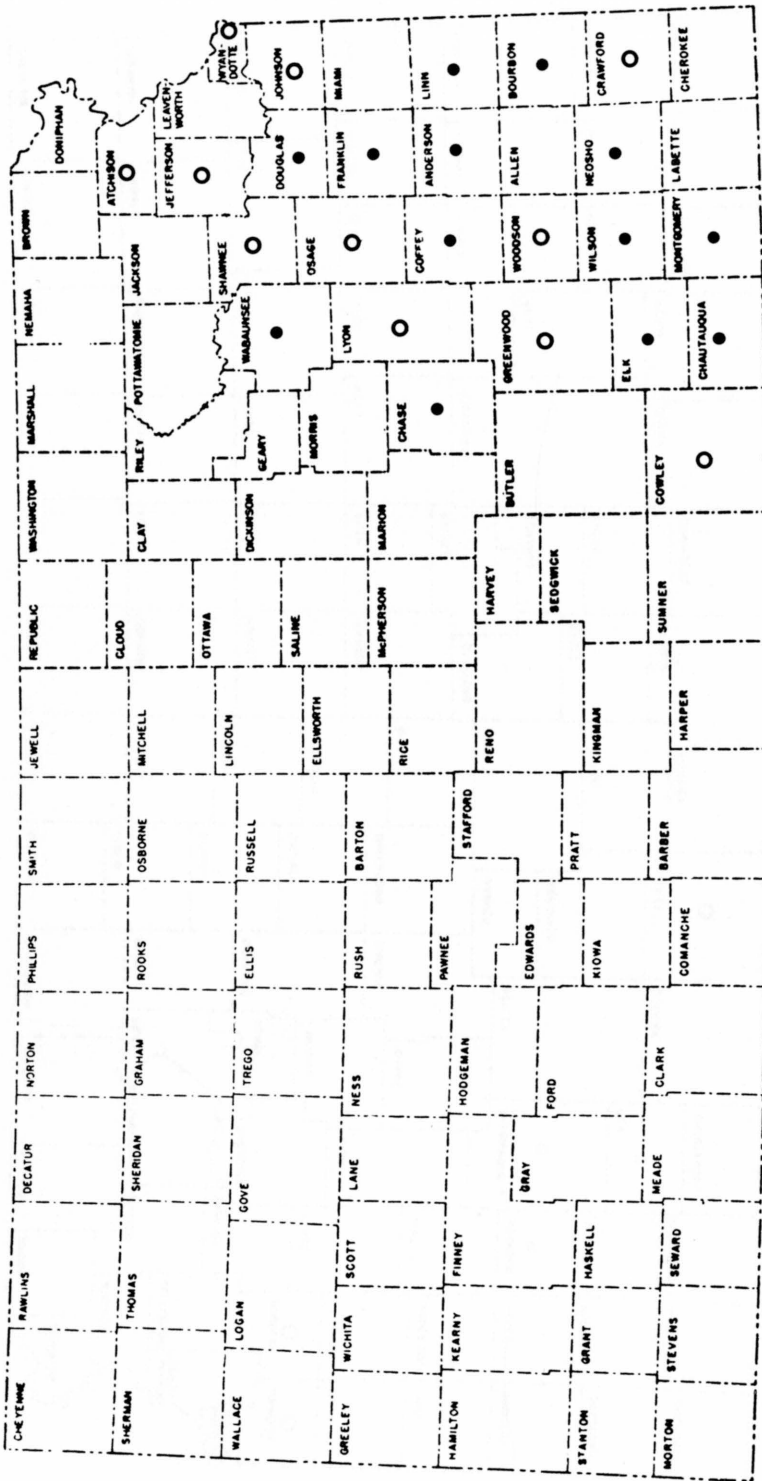
107) Cecrops Hairstreak
 Calycopsis cecrops



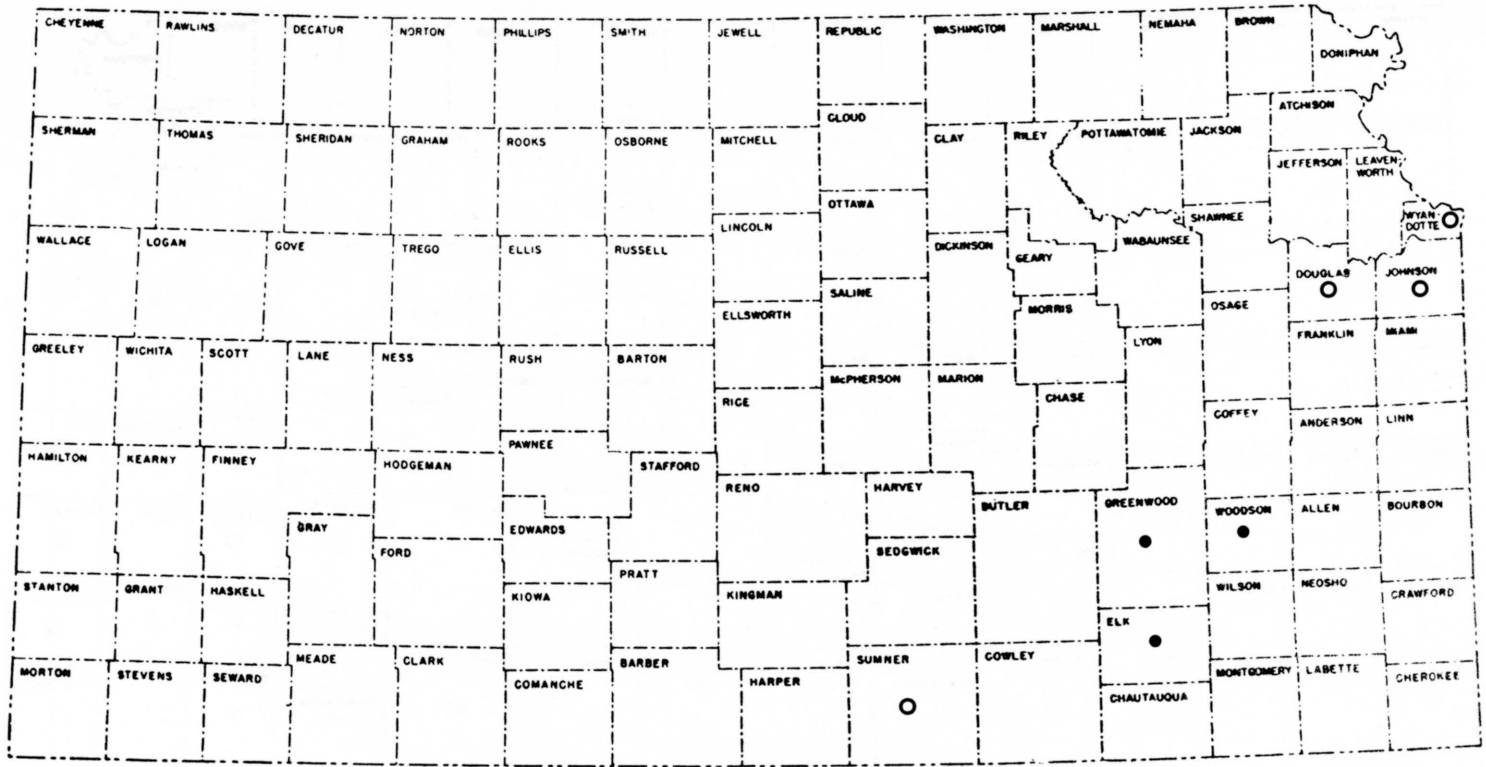
108) Beon Hairstreak
Calycopis isobeon



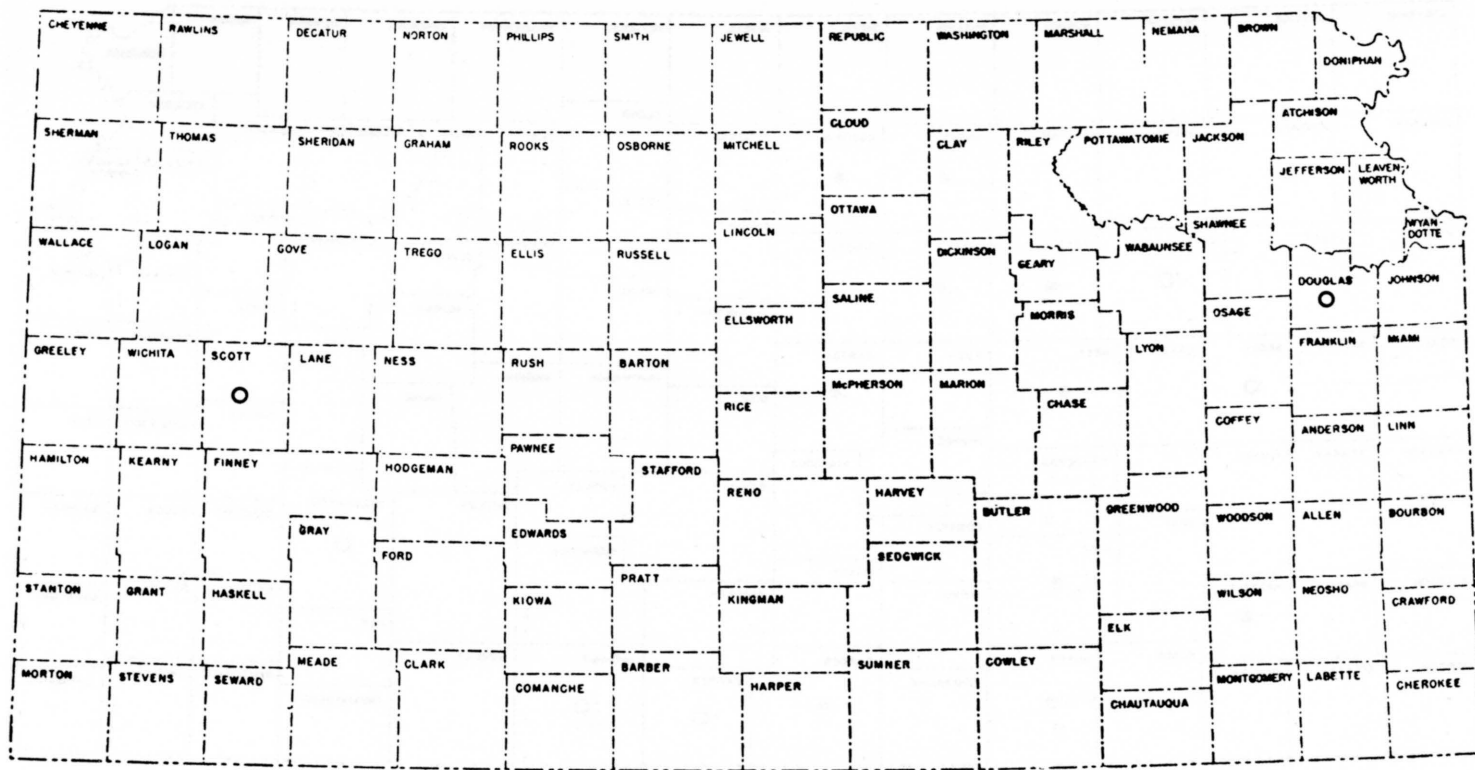
109) Olive Hairstreak
Mitoura gryneus



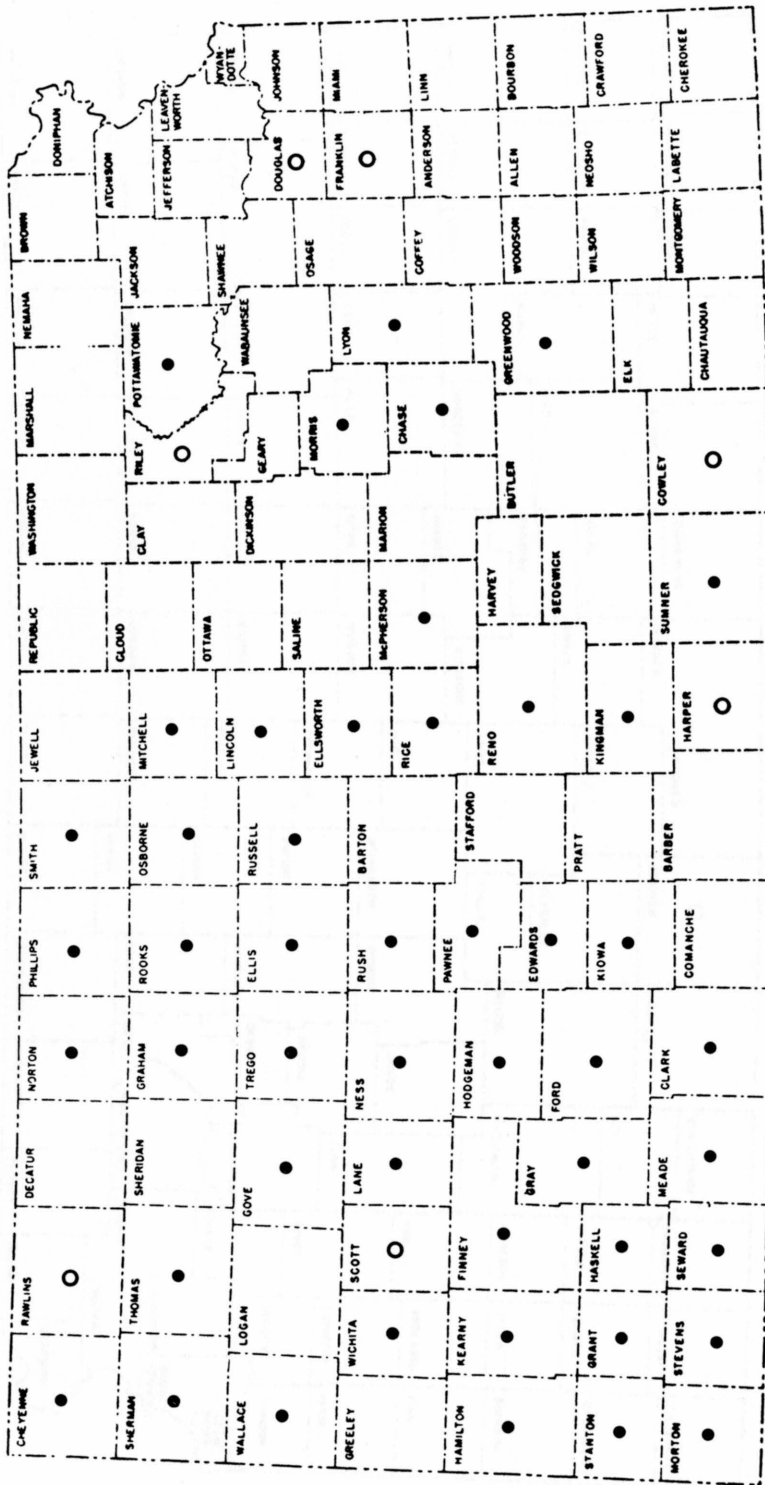
110) Henry's Elfin
Incisalia henrici



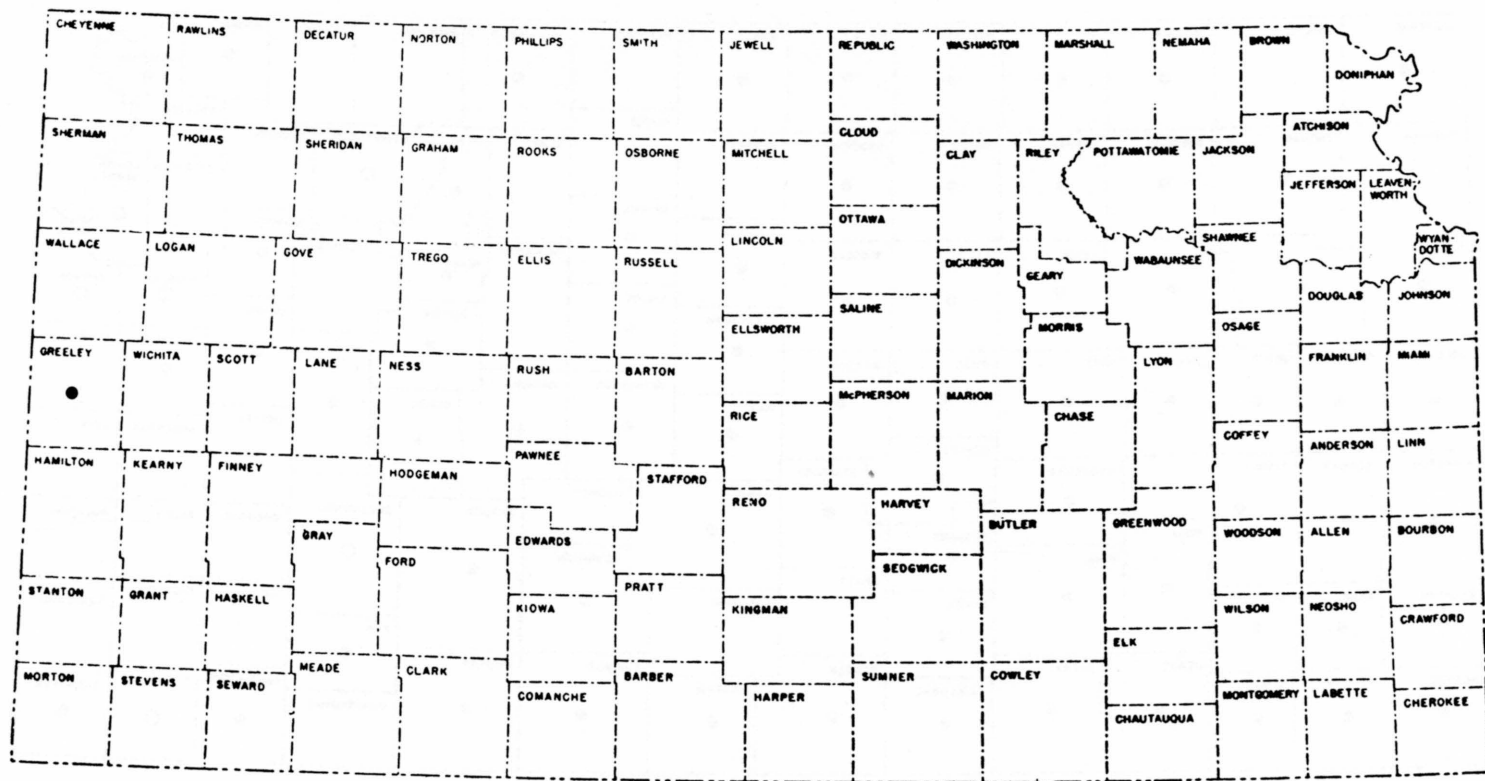
111) Ontario Hairstreak
 Euristrymon ontario



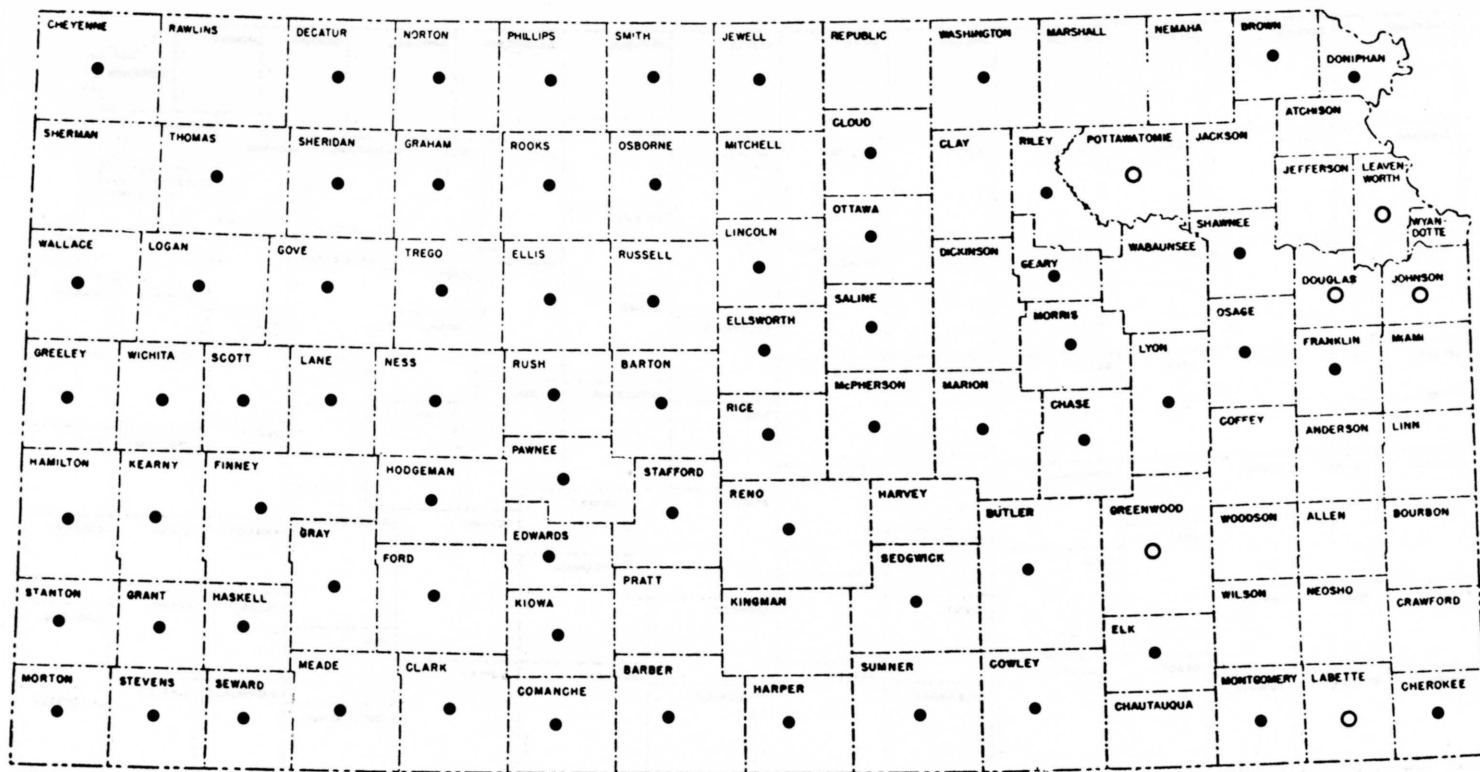
115) Cassius Blue
Leptotes cassius



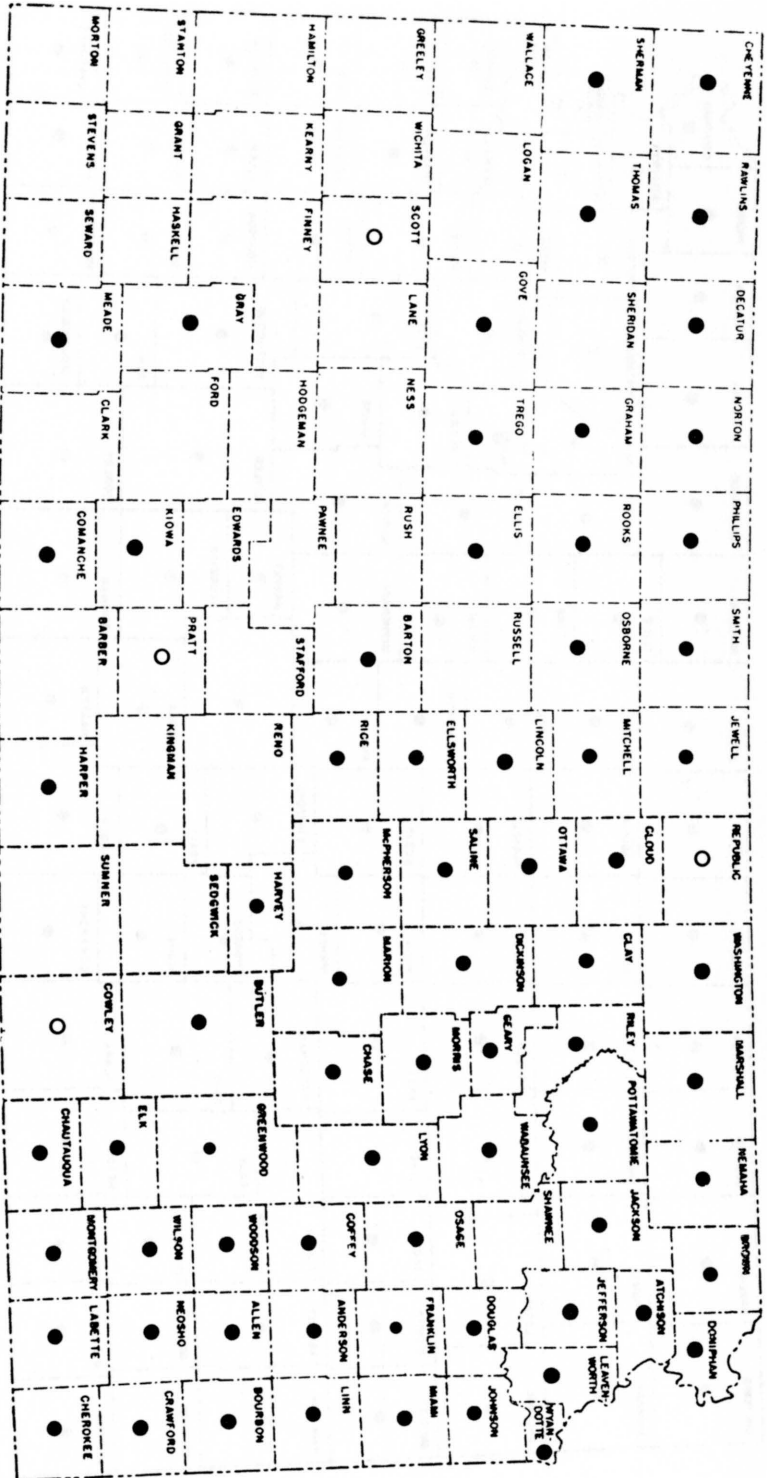
116) Marine Blue
Leptotes marina



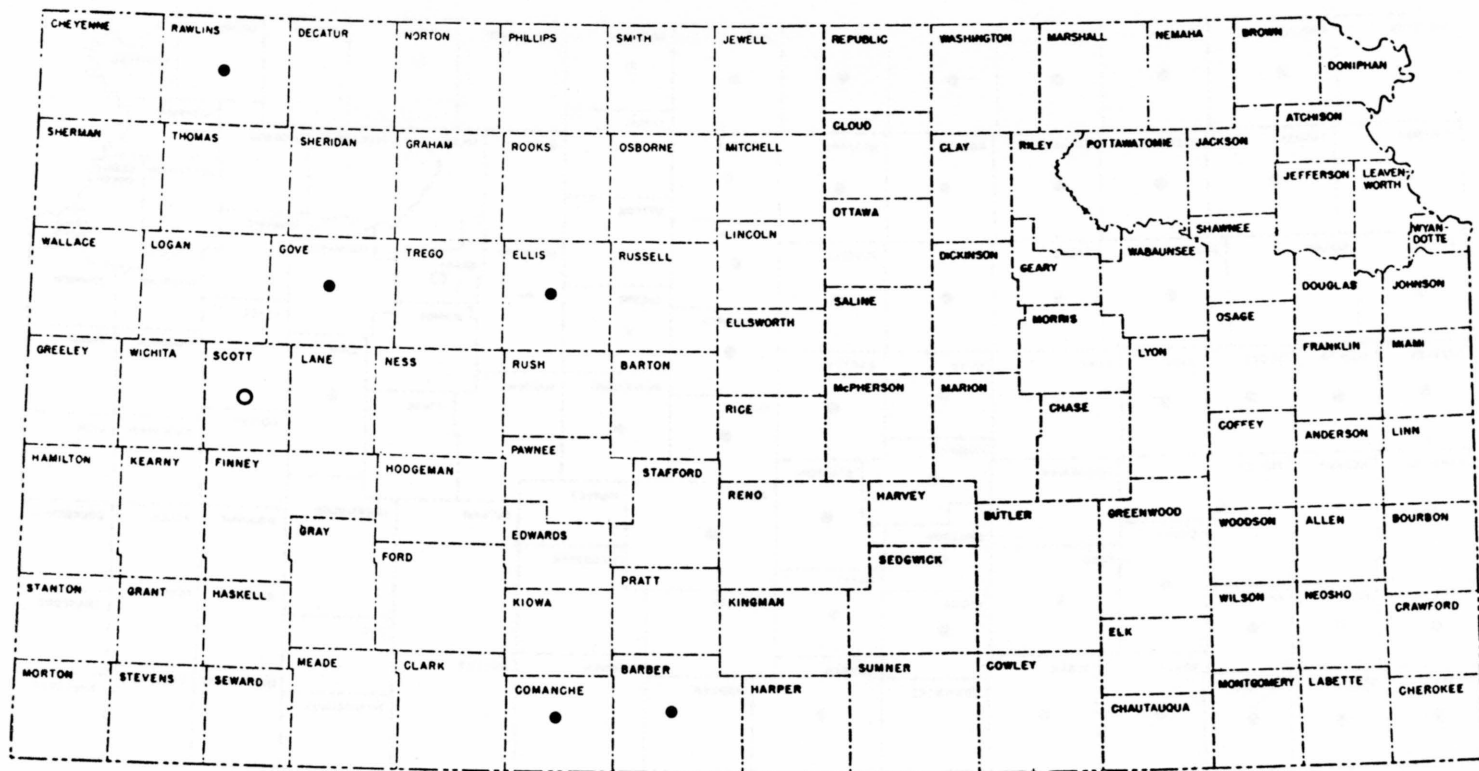
118) Antillean Blue
Hemiargus ceraunus



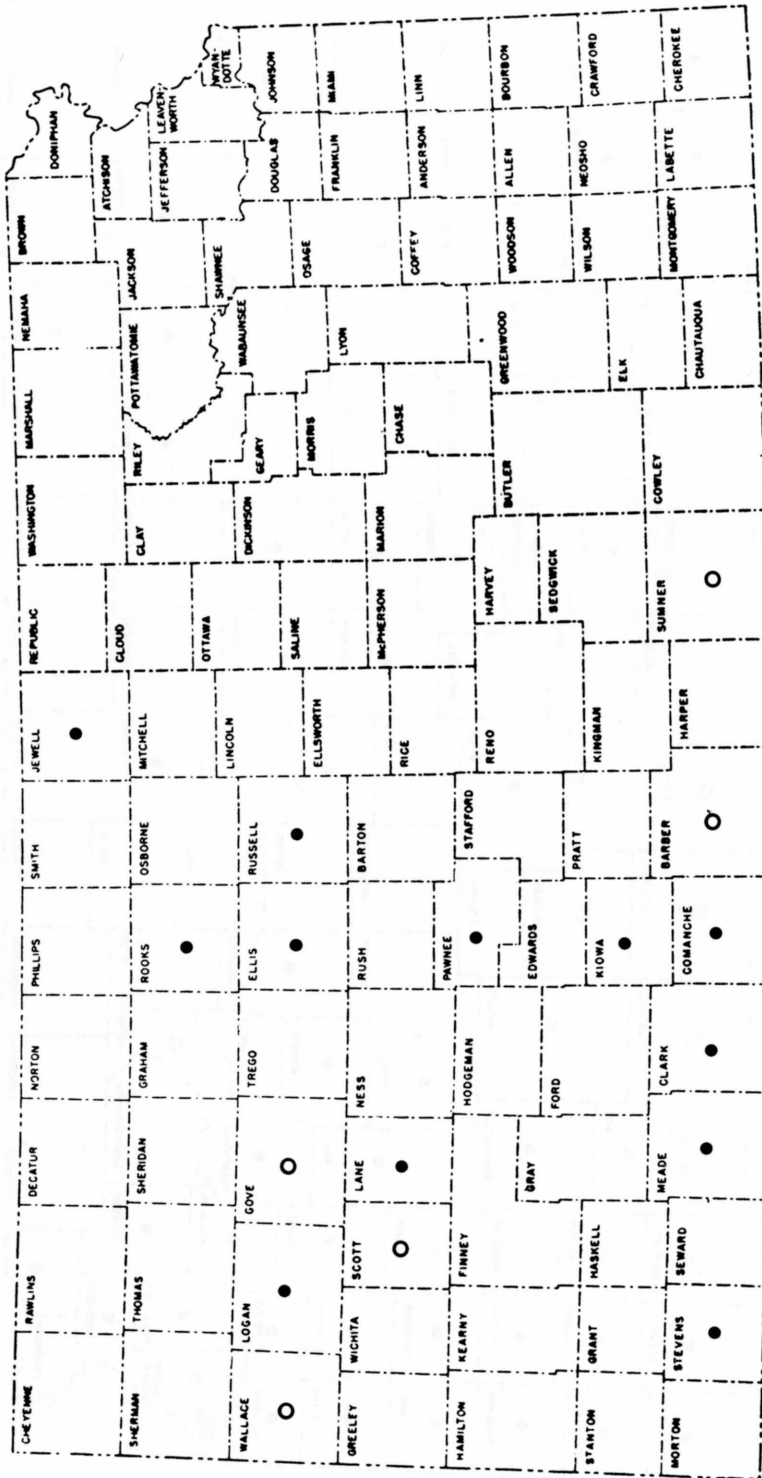
119) Isola Blue
Hemiargus isola



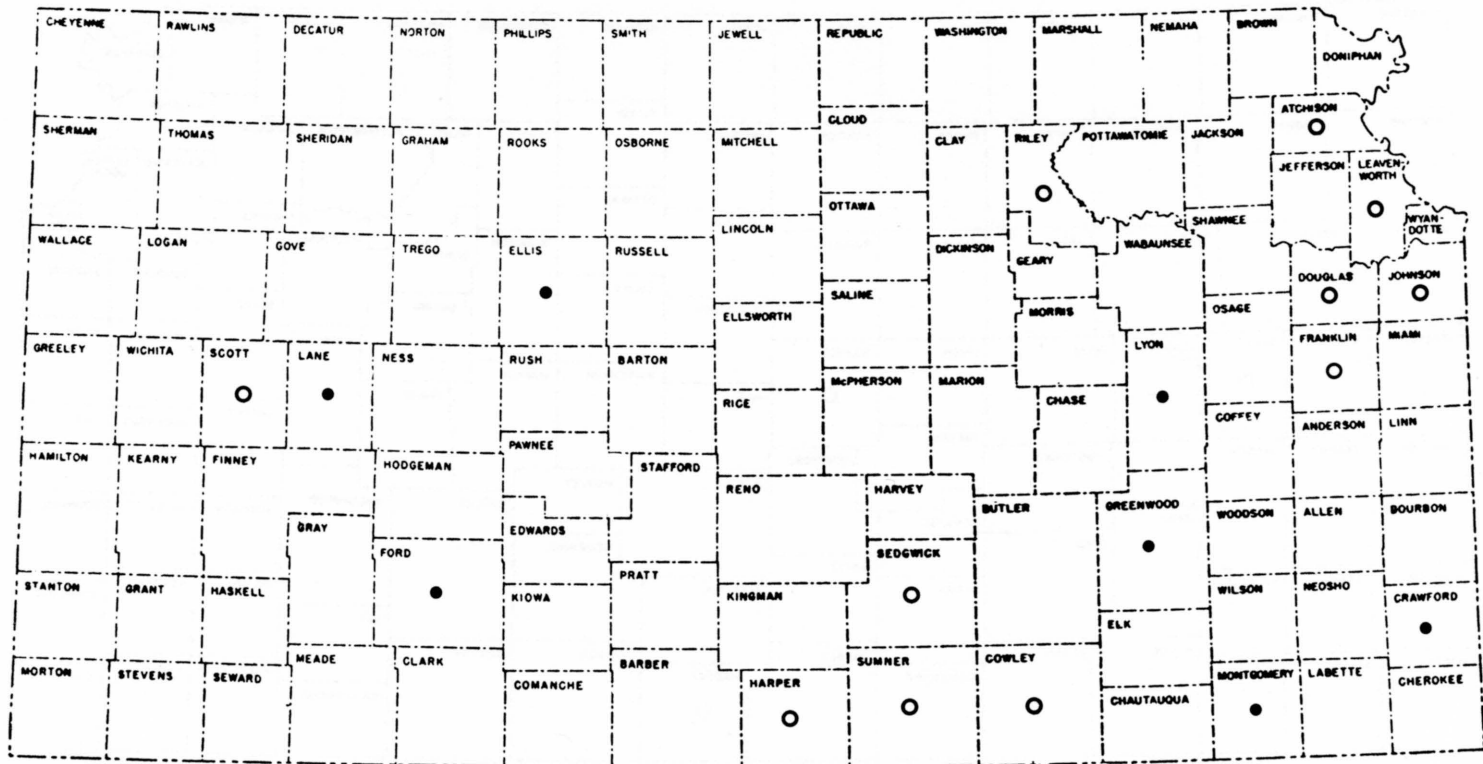
121) Spring Azure
 Celastrina ladon



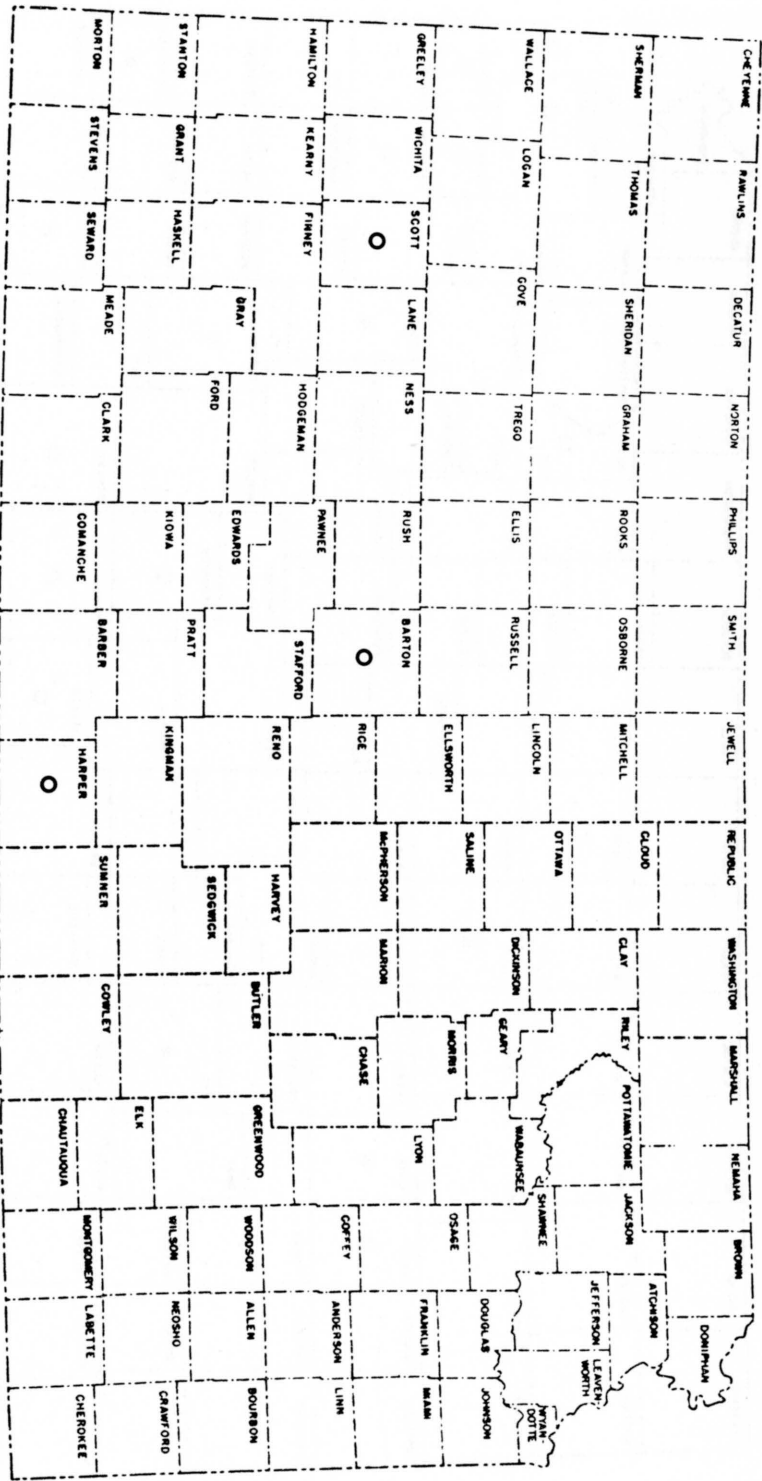
122) Silvery Blue
Glaucopsyche lygdamus



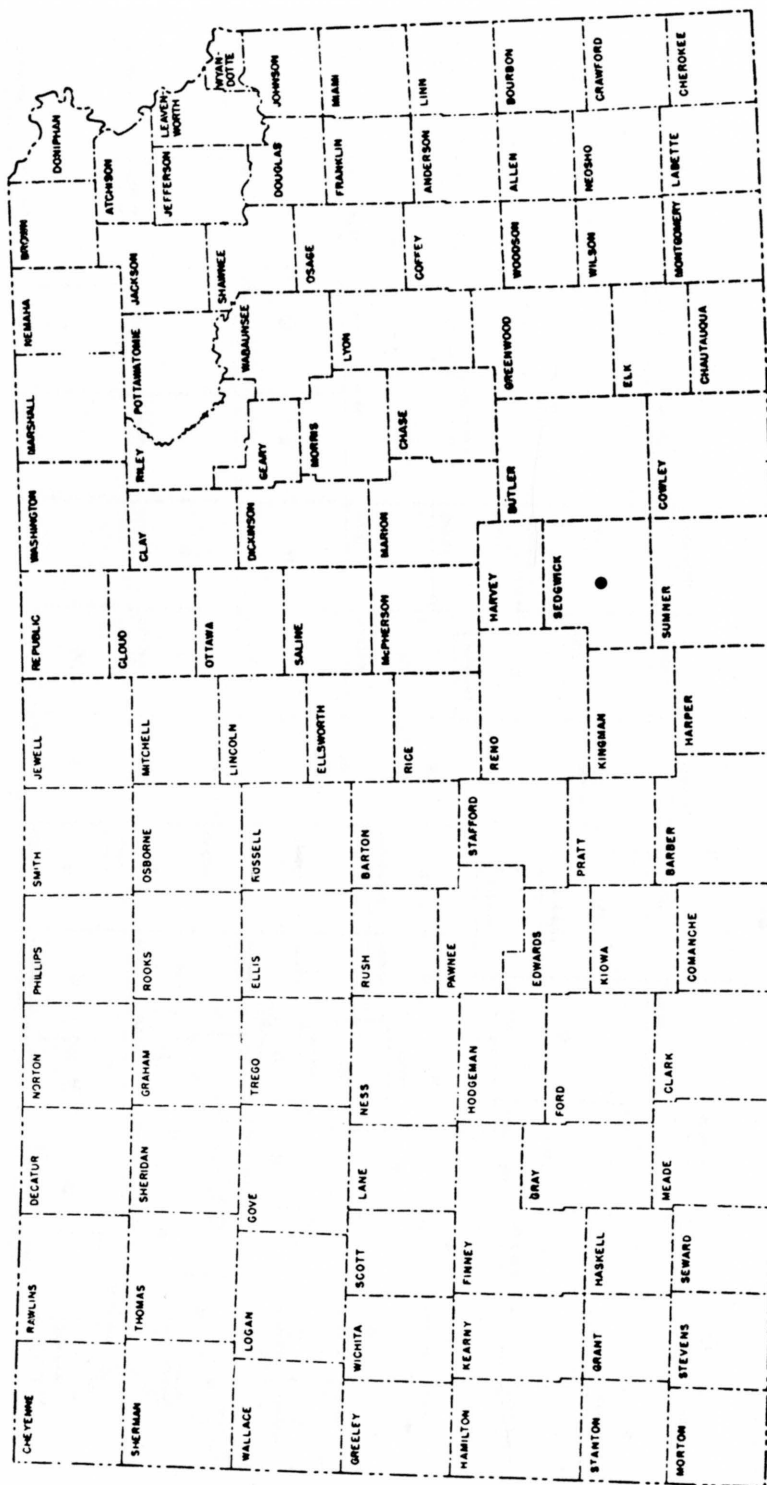
124) Acmonia Blue
Icaricia acmon



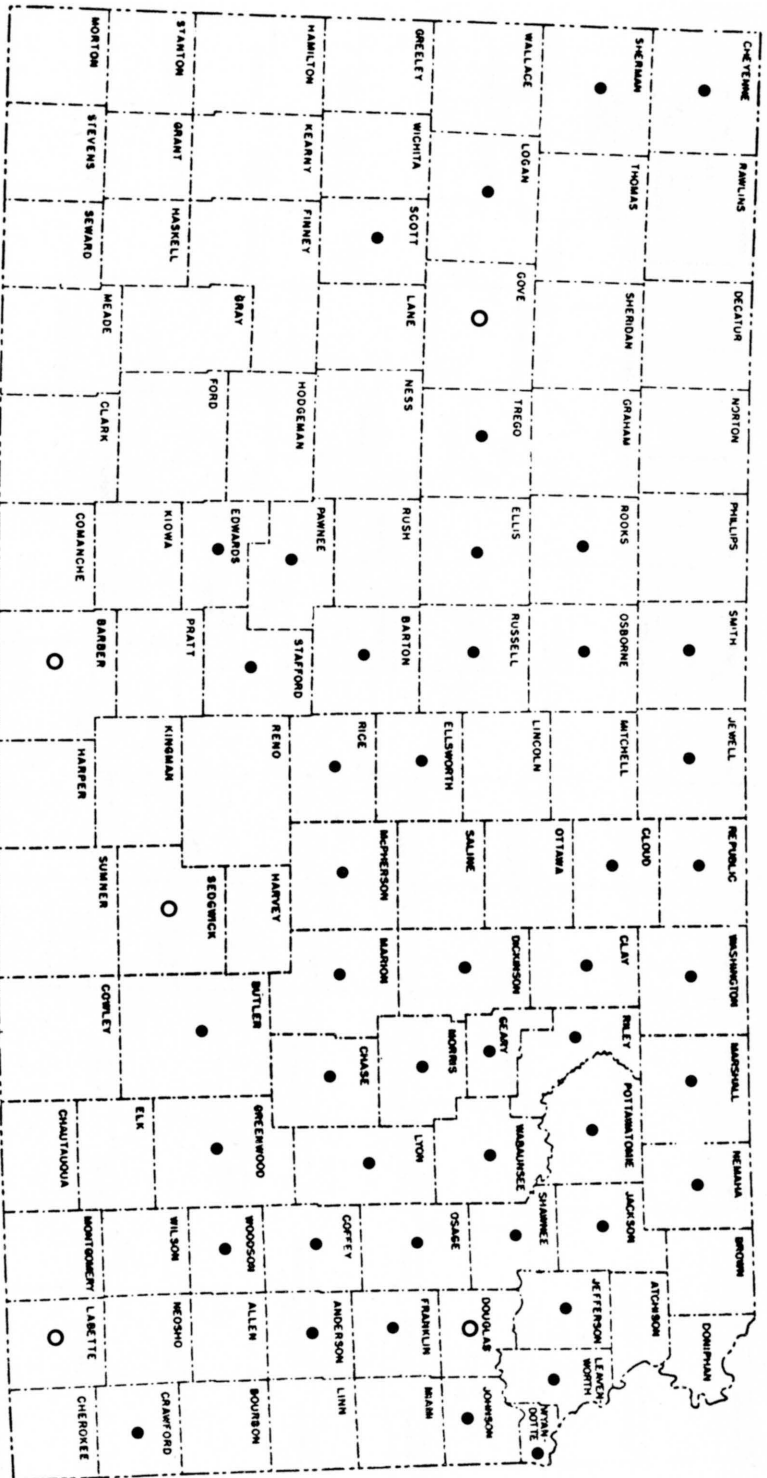
126) Gulf Fritillary
Agraulis vanillae



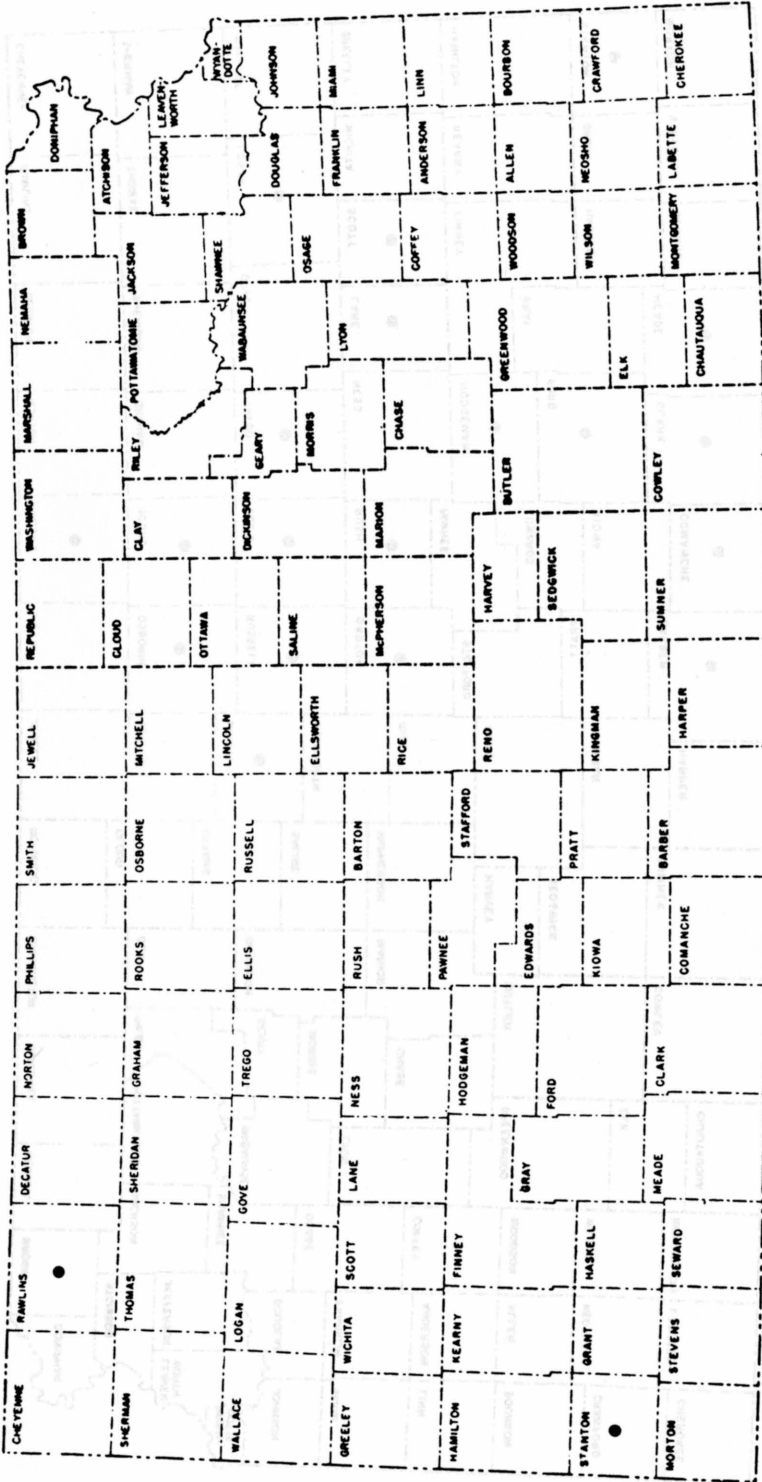
127) Zebra Butterfly
Heliconius charitonius



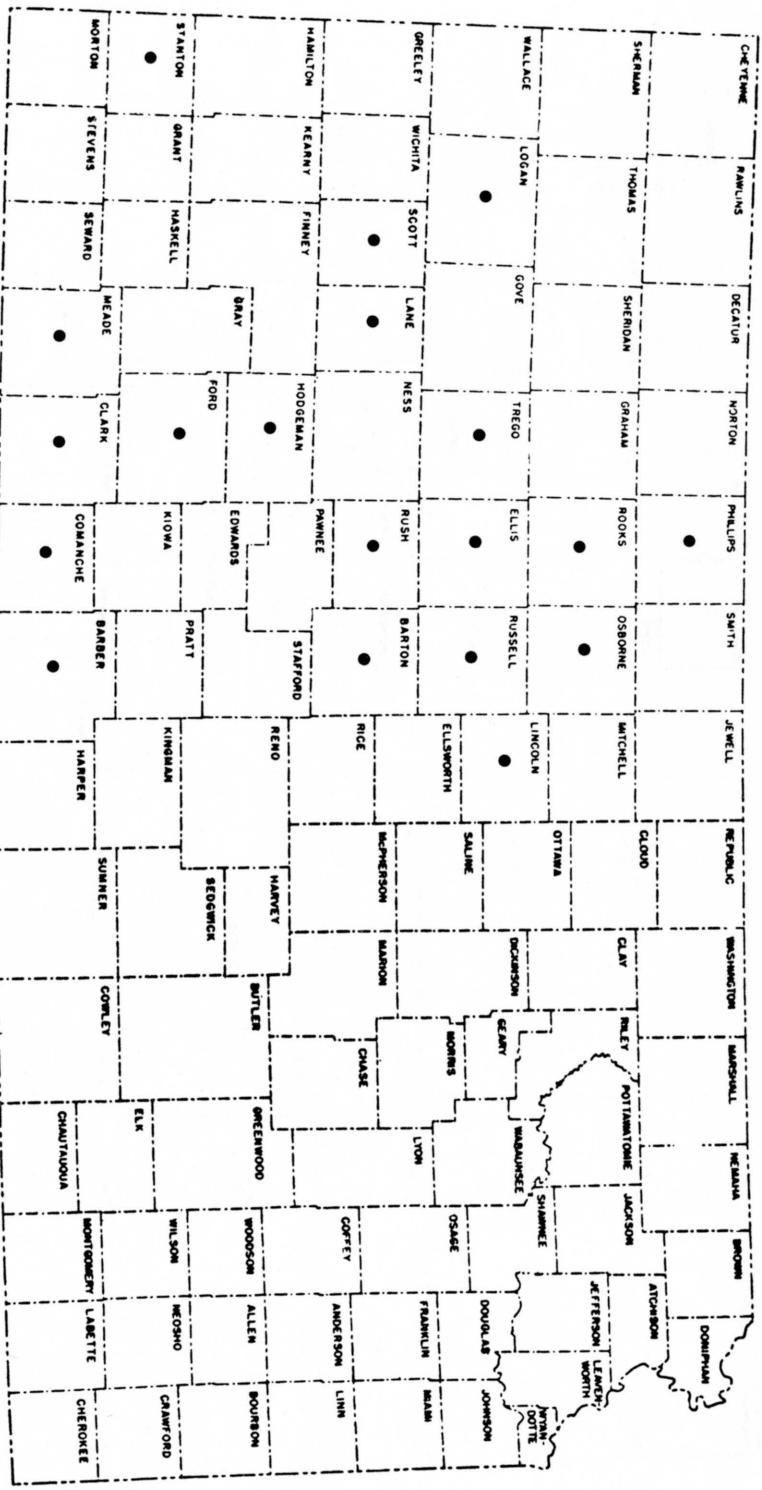
130) Aphrodite Fritillary
Speyeria aphrodite



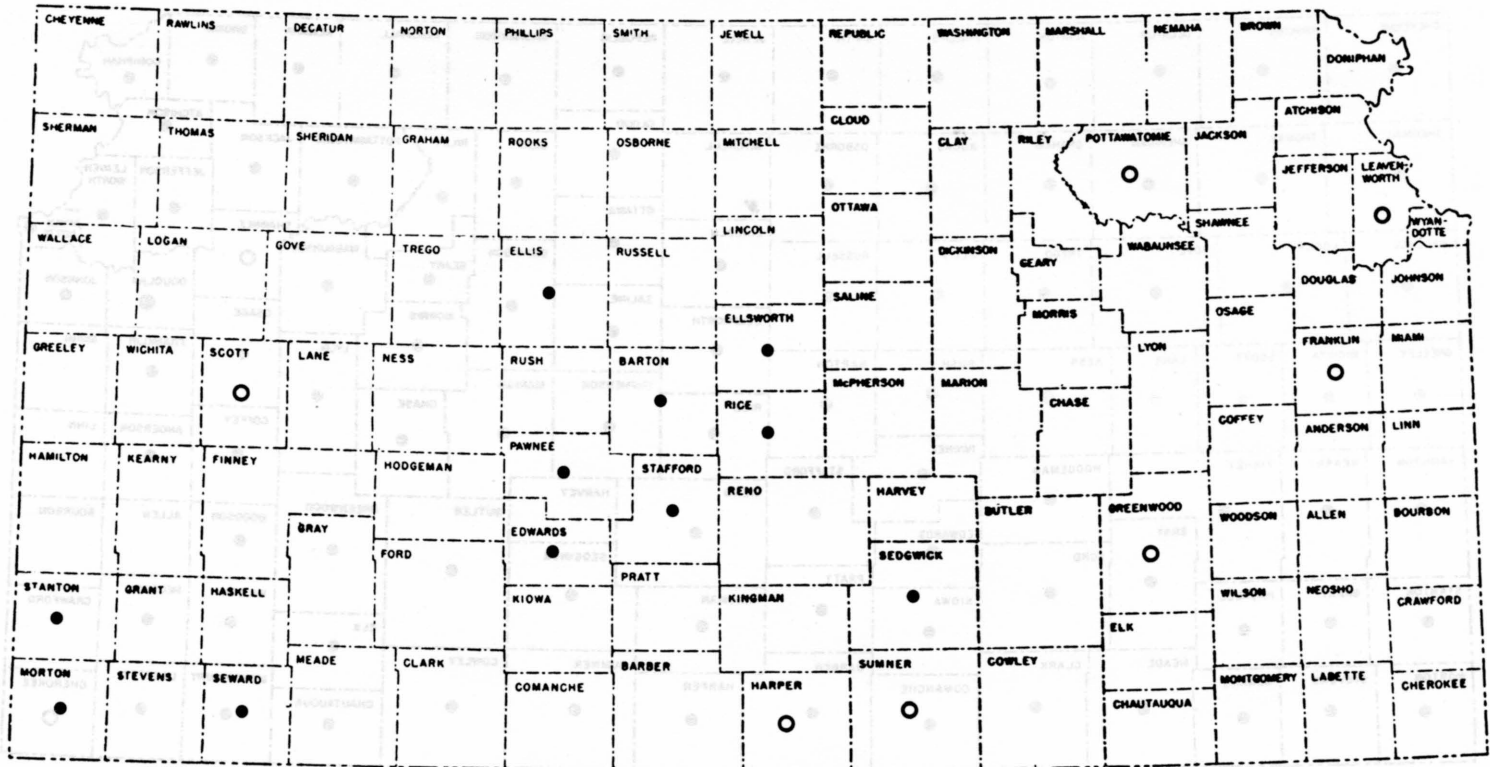
131) Regal Fritillary
 Speyeria idalia



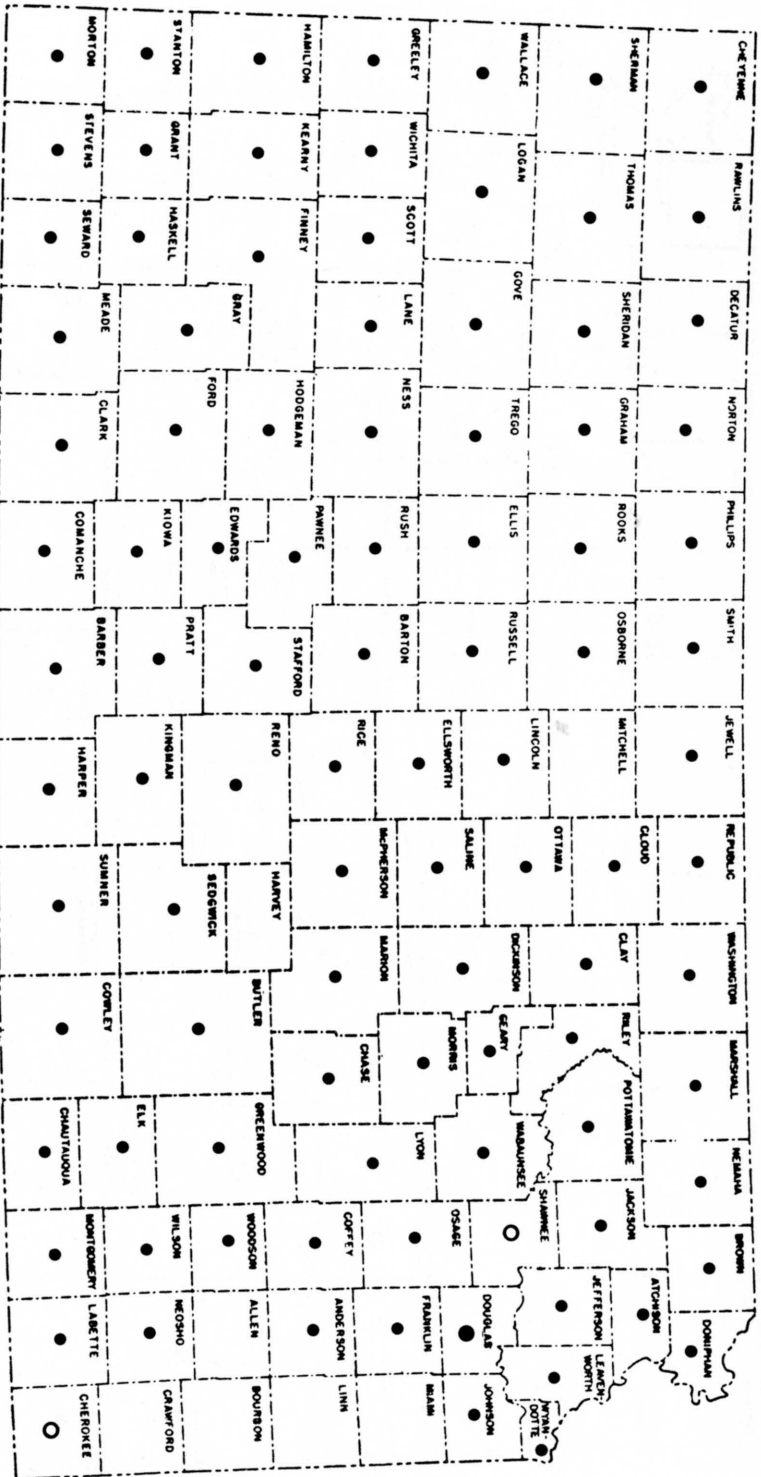
132) Edward's Fritillary
Speyeria edwardsii



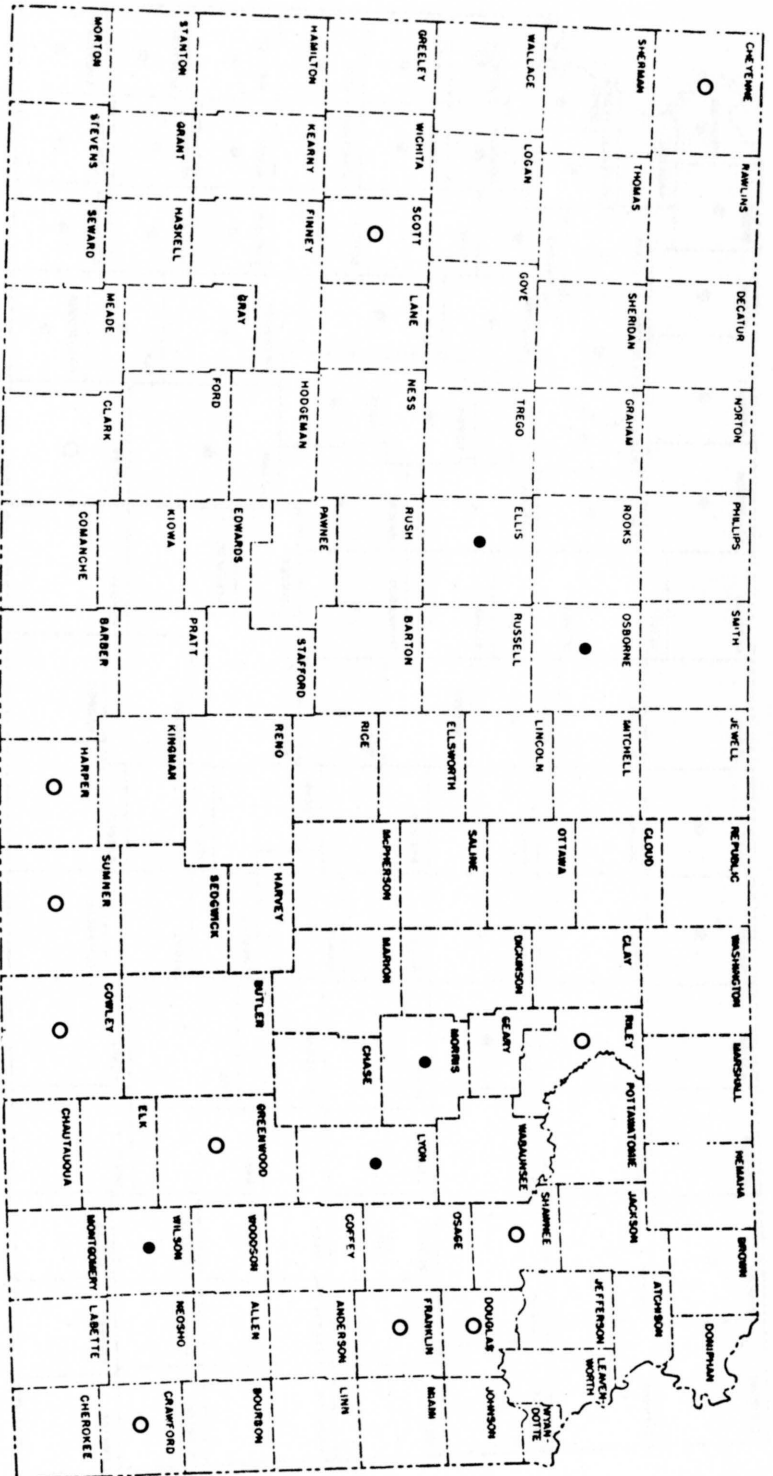
133) Fulvia Crescent
Thessalia fulvia



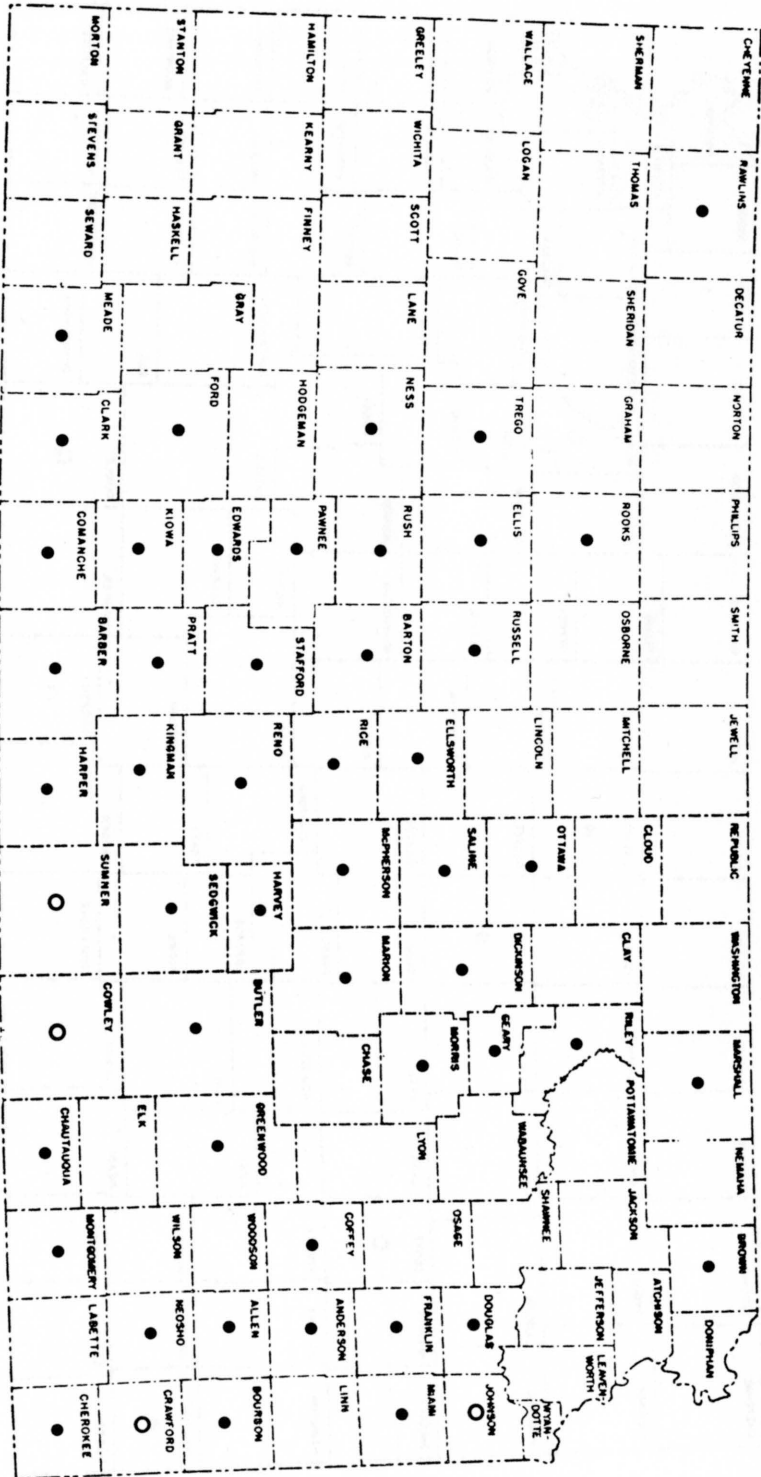
134) Geyer's Patched Butterfly
Chlosyne lacinia



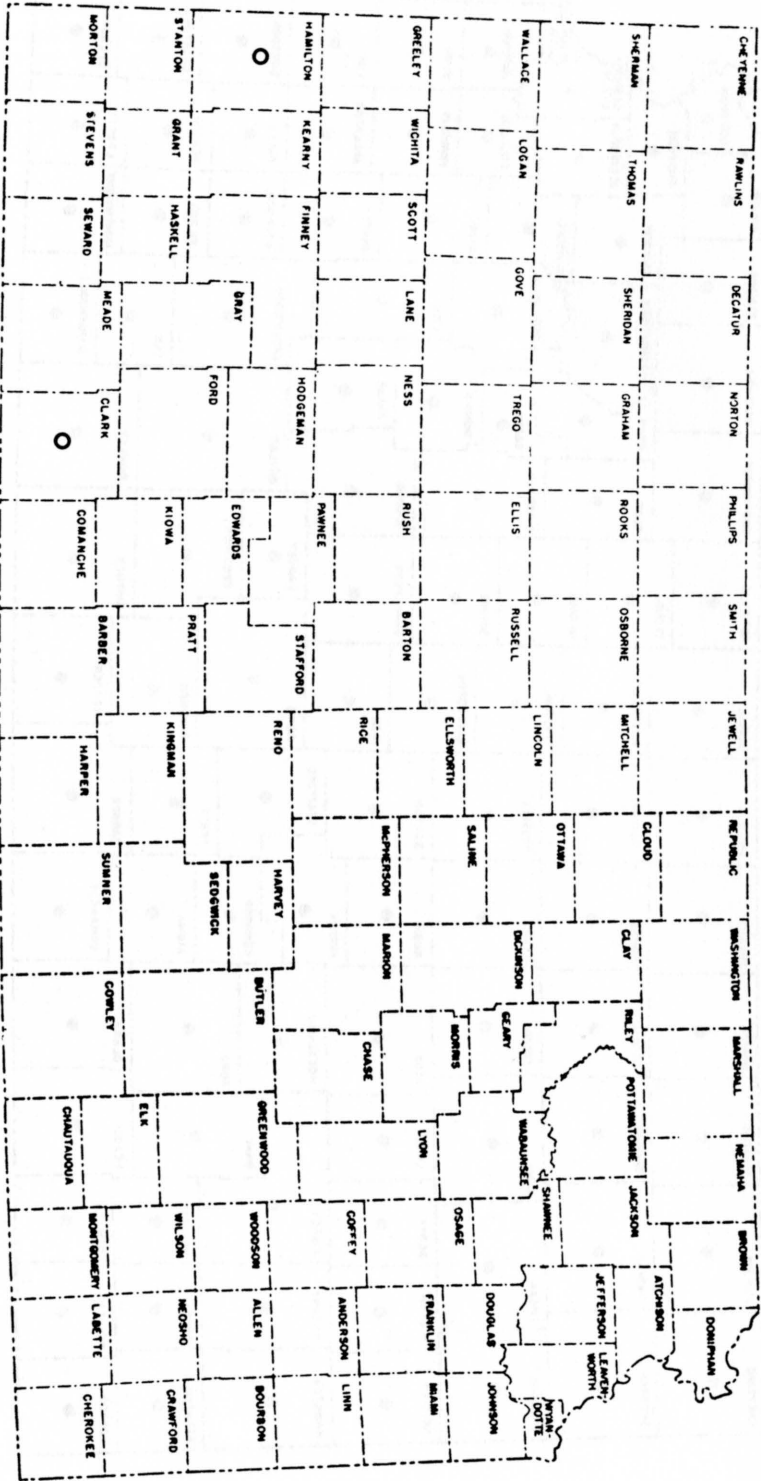
135) Gorgone Crescent
Charldryas gorgone



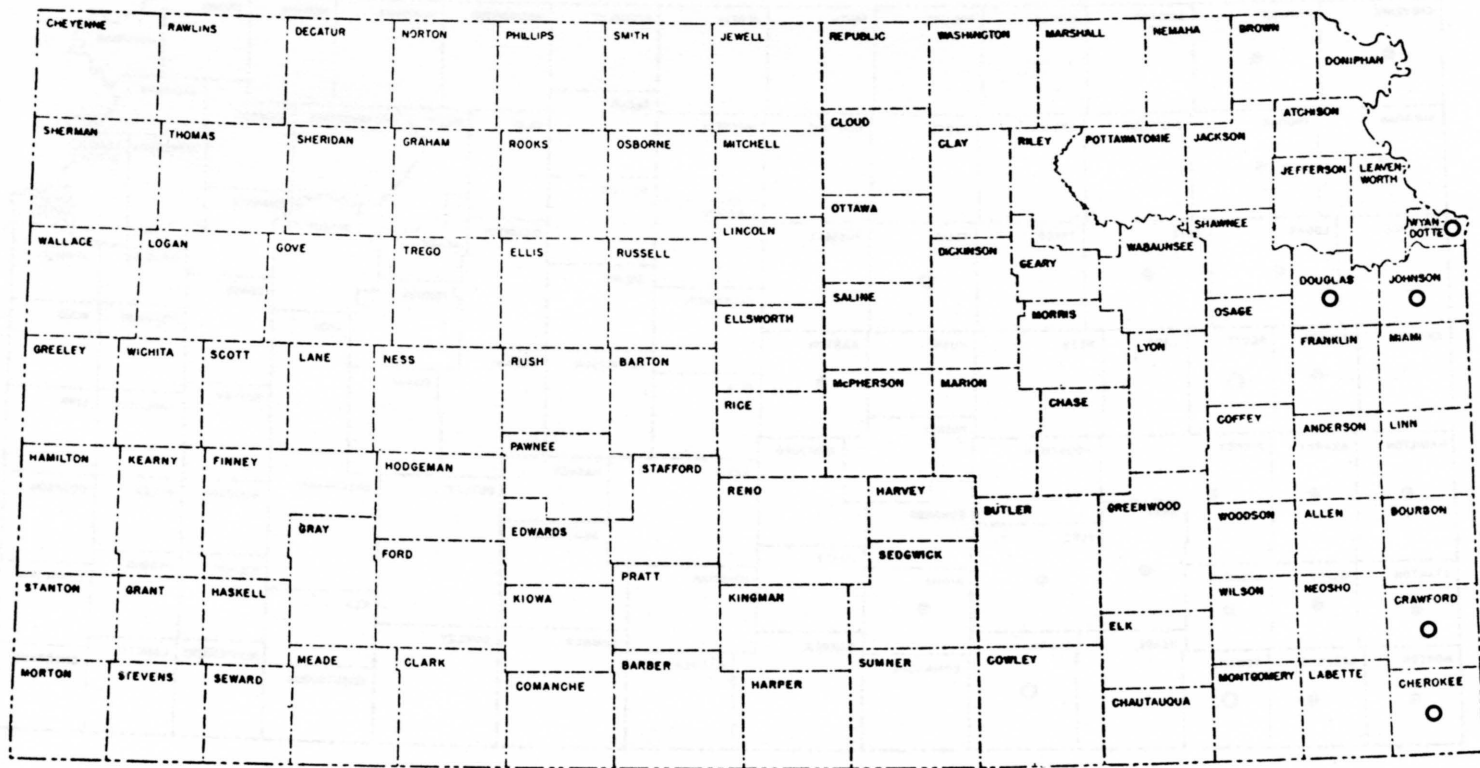
137) Texas Crescent
 Anthanassa texana



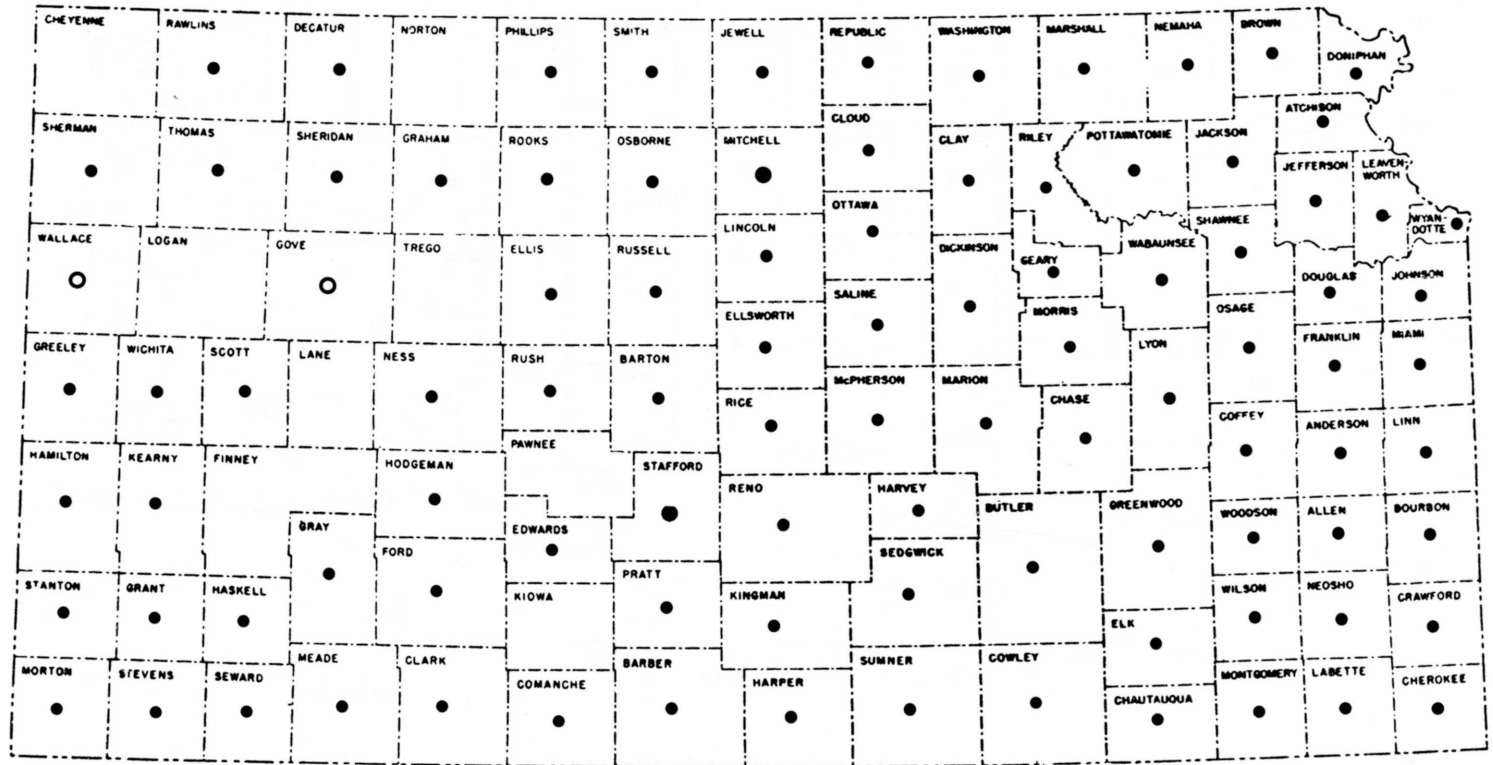
139) Phaeon Crescent
Phyciodes phaeon



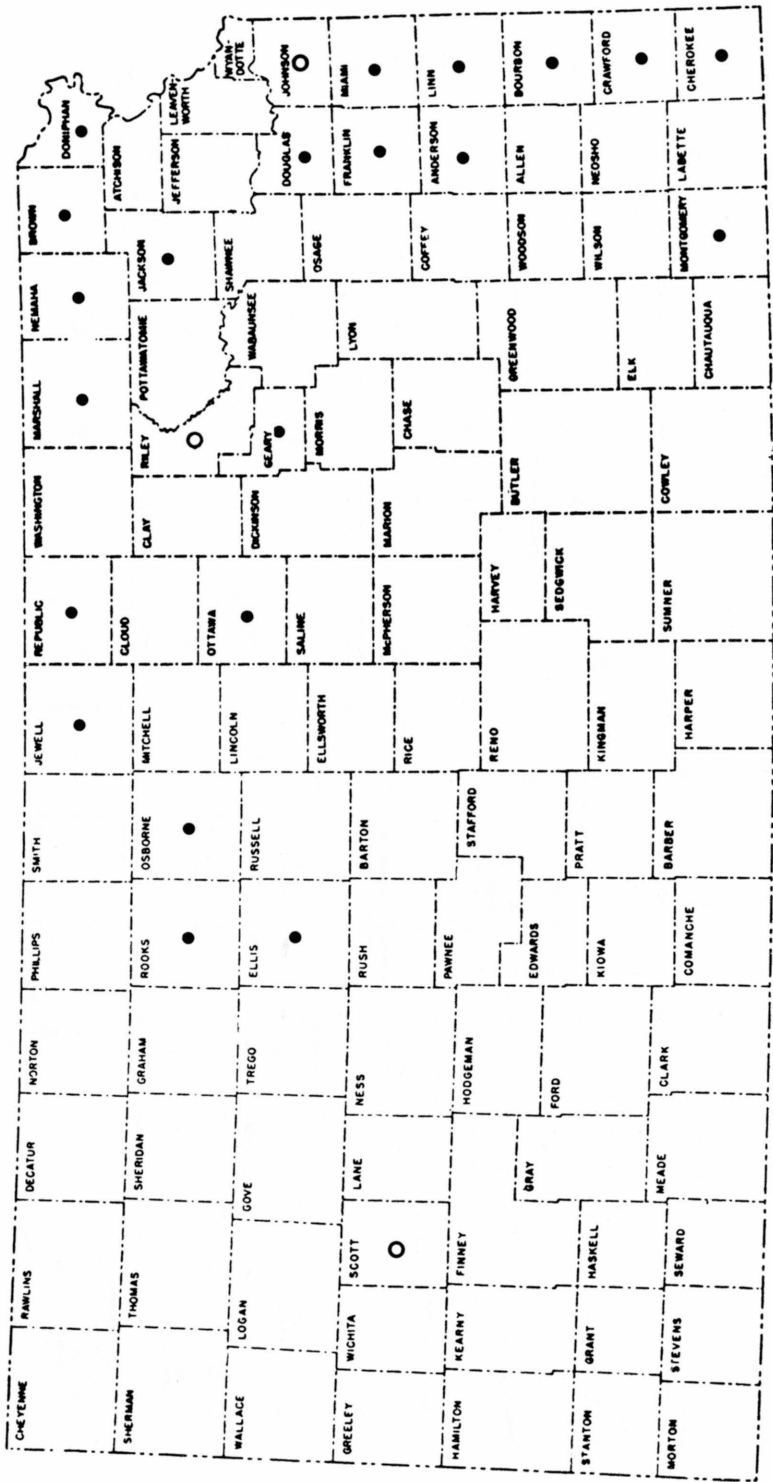
141) Field Crescent
Phycodes pratensis



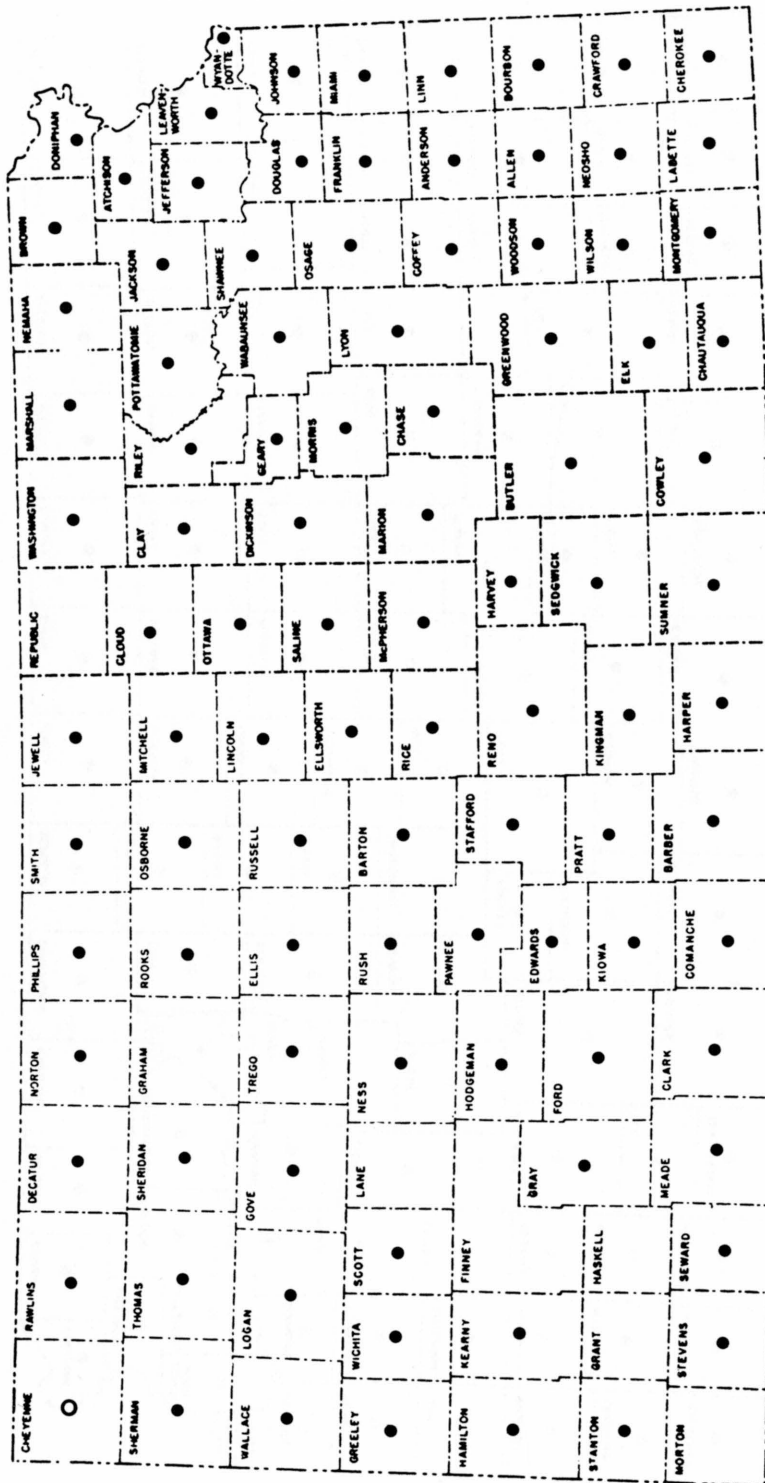
143) Baltimore
Euphydryas phaeton



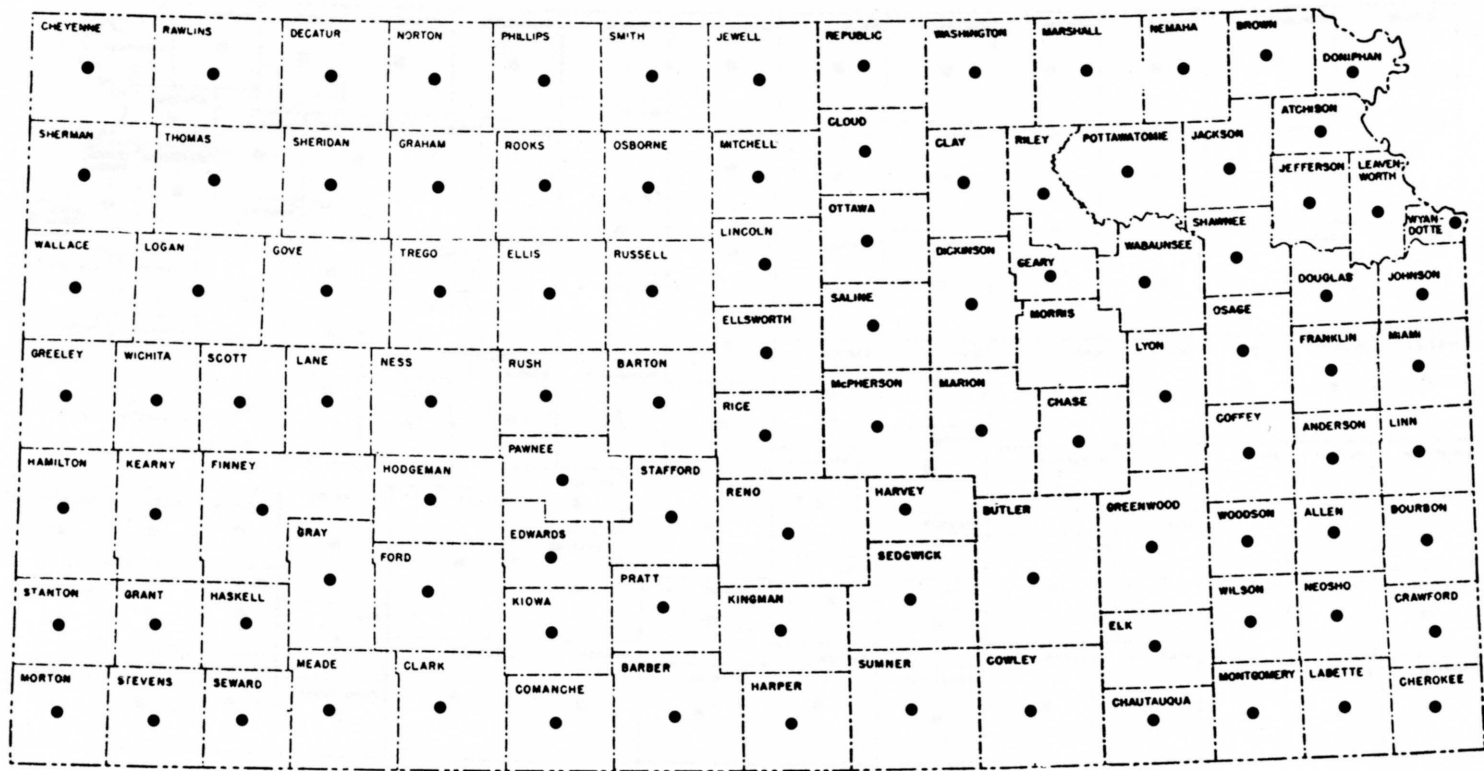
144) Question-mark
Polygonia interrogatoris



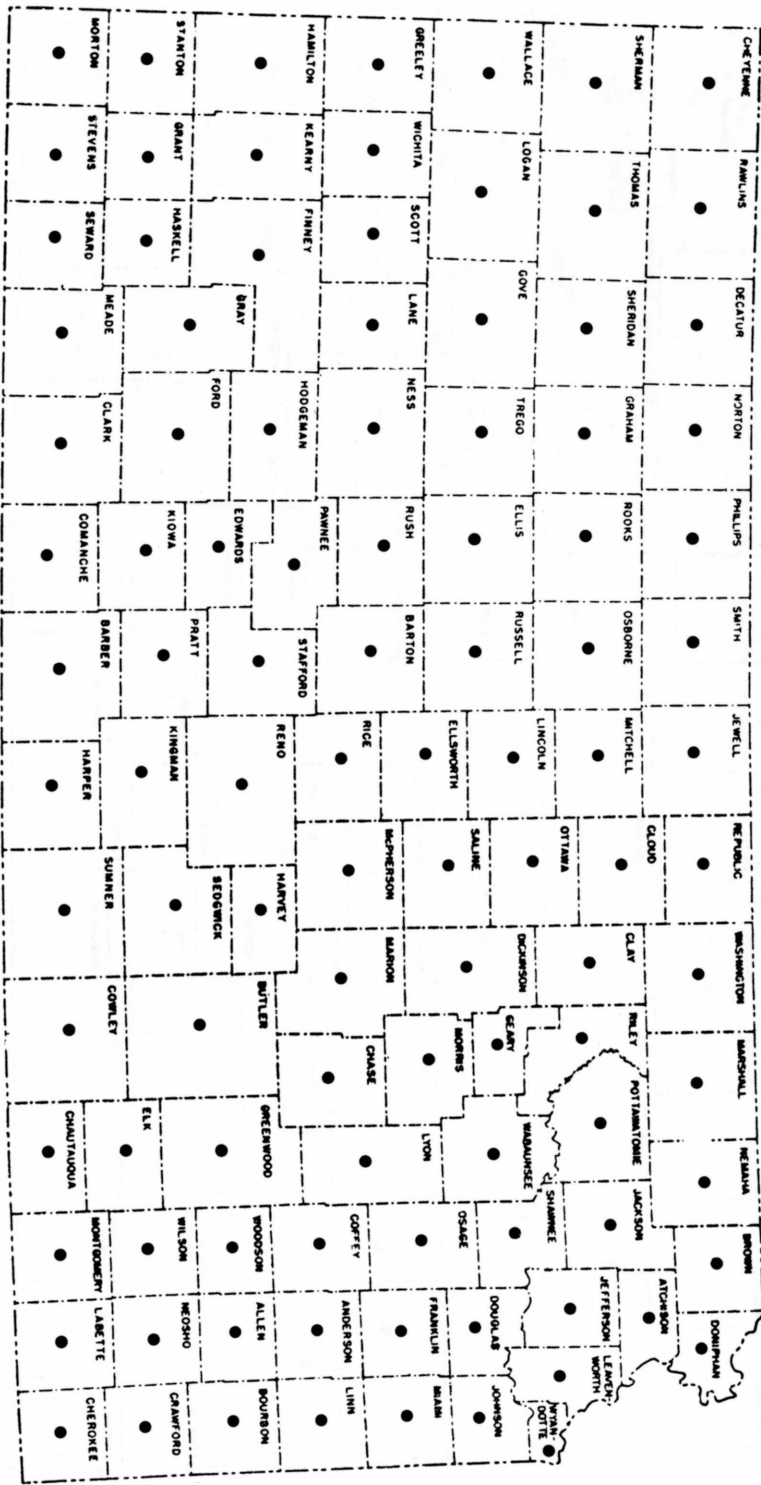
146) Gray Comma
Polygonia progné



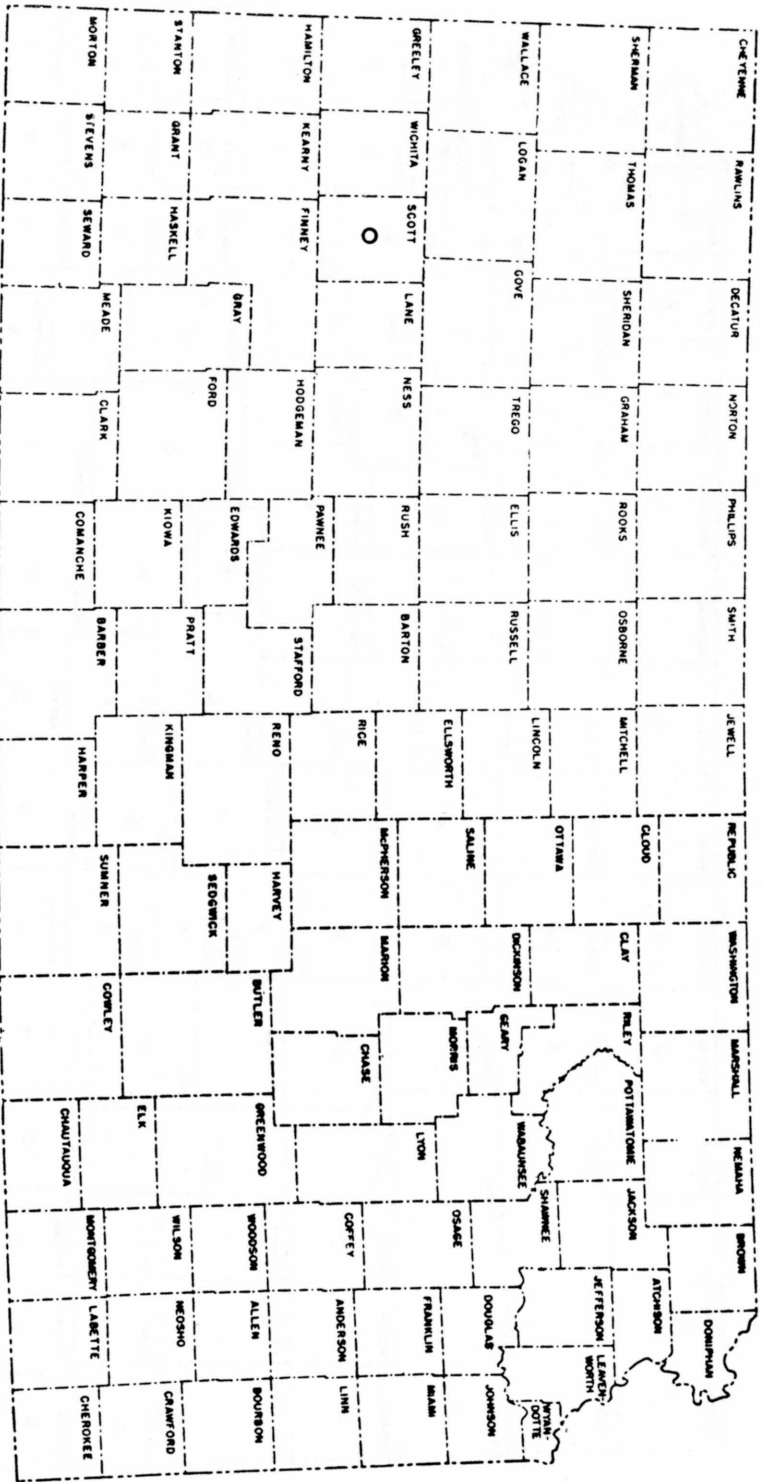
148) Virginia Lady
Vanessa virginiensis



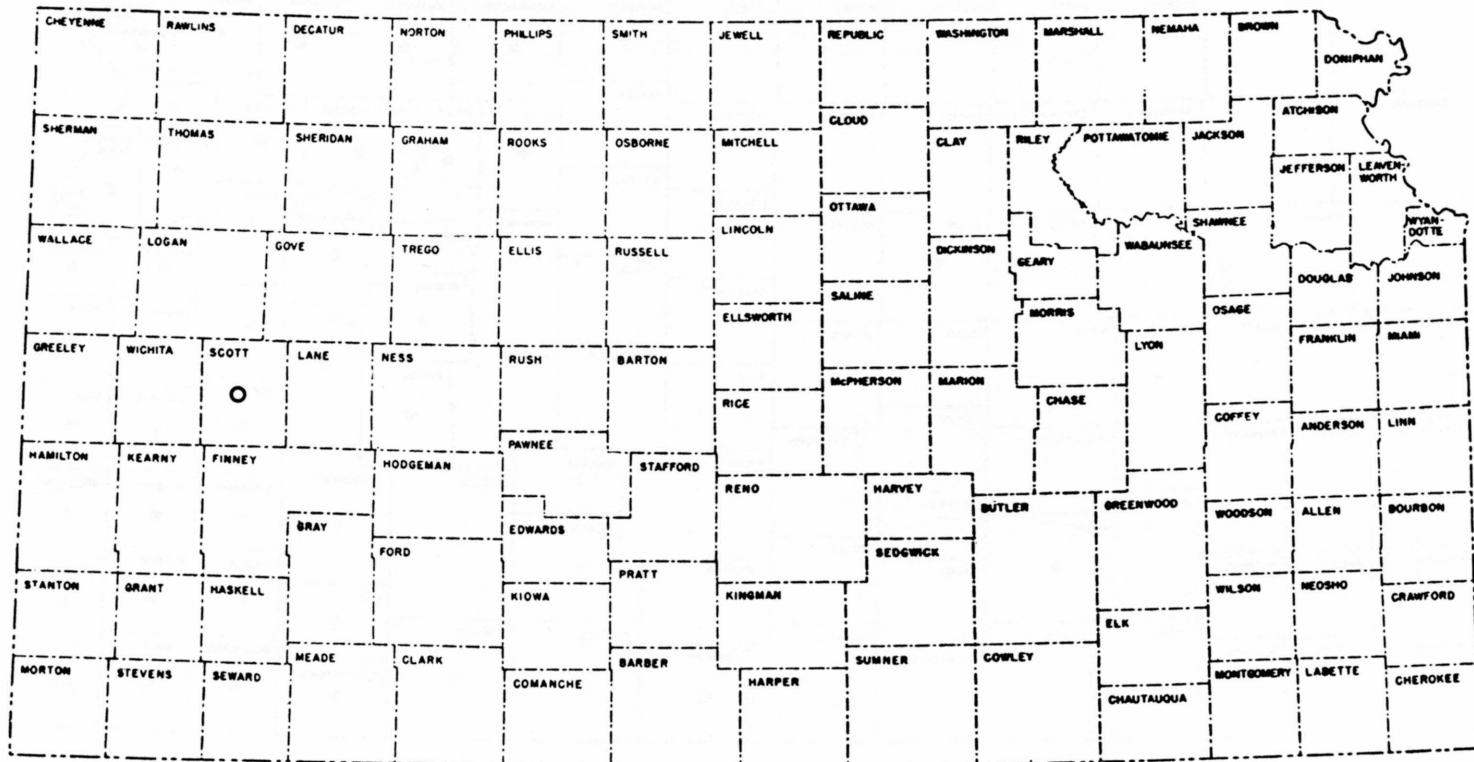
149) Painted Lady
Vanessa cardui



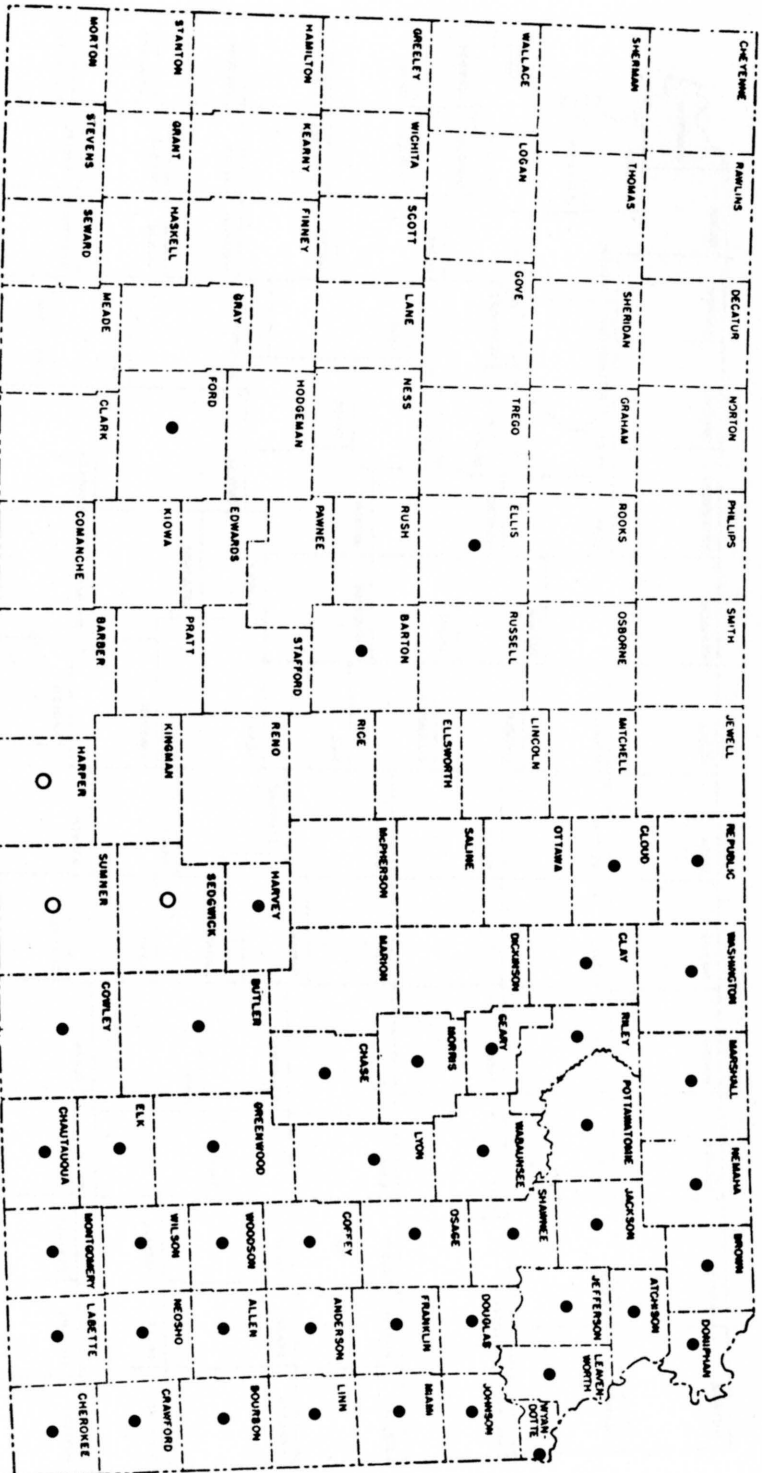
151) Red Admiral
 Vanessa atalanta



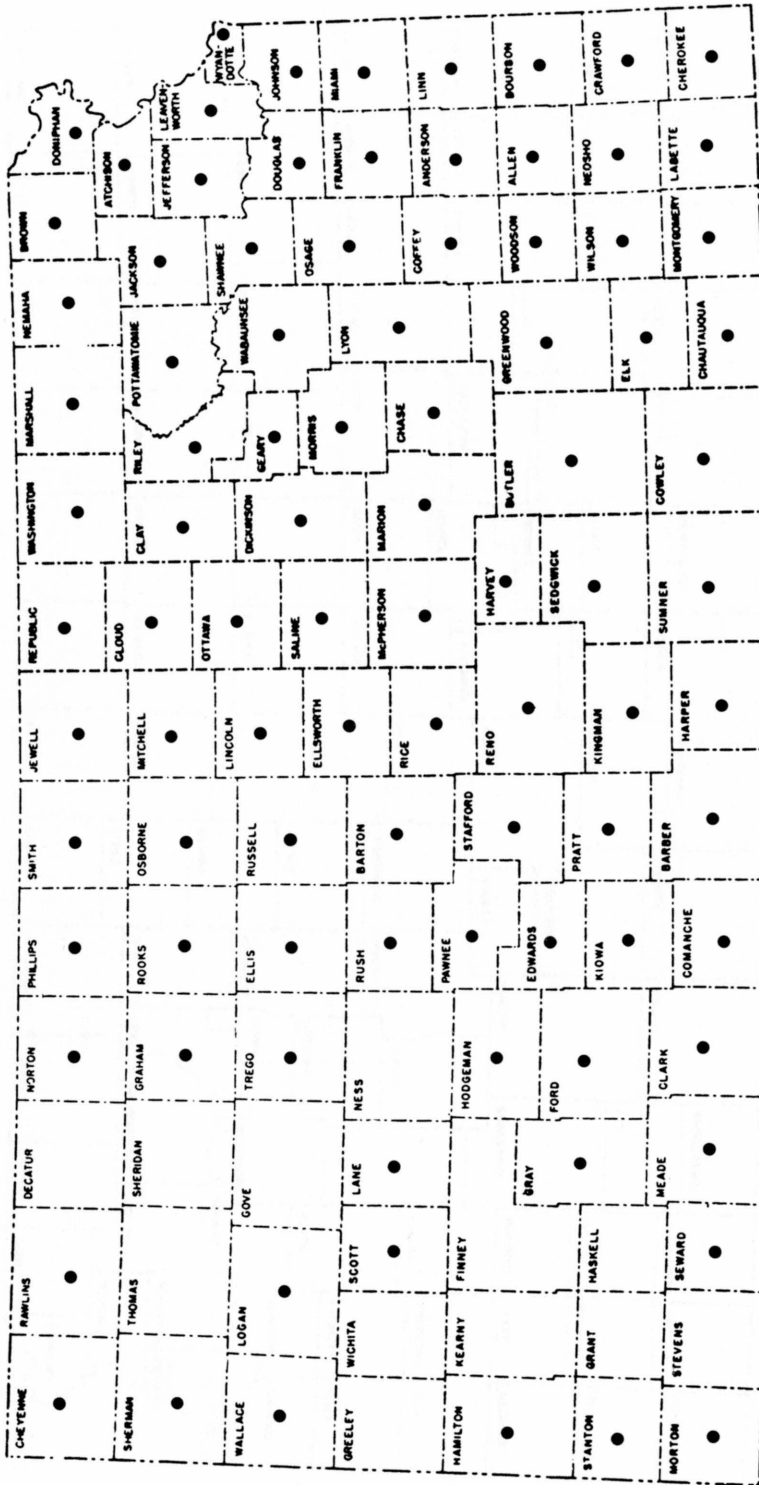
153) White Peacock
Antartia jatrophae



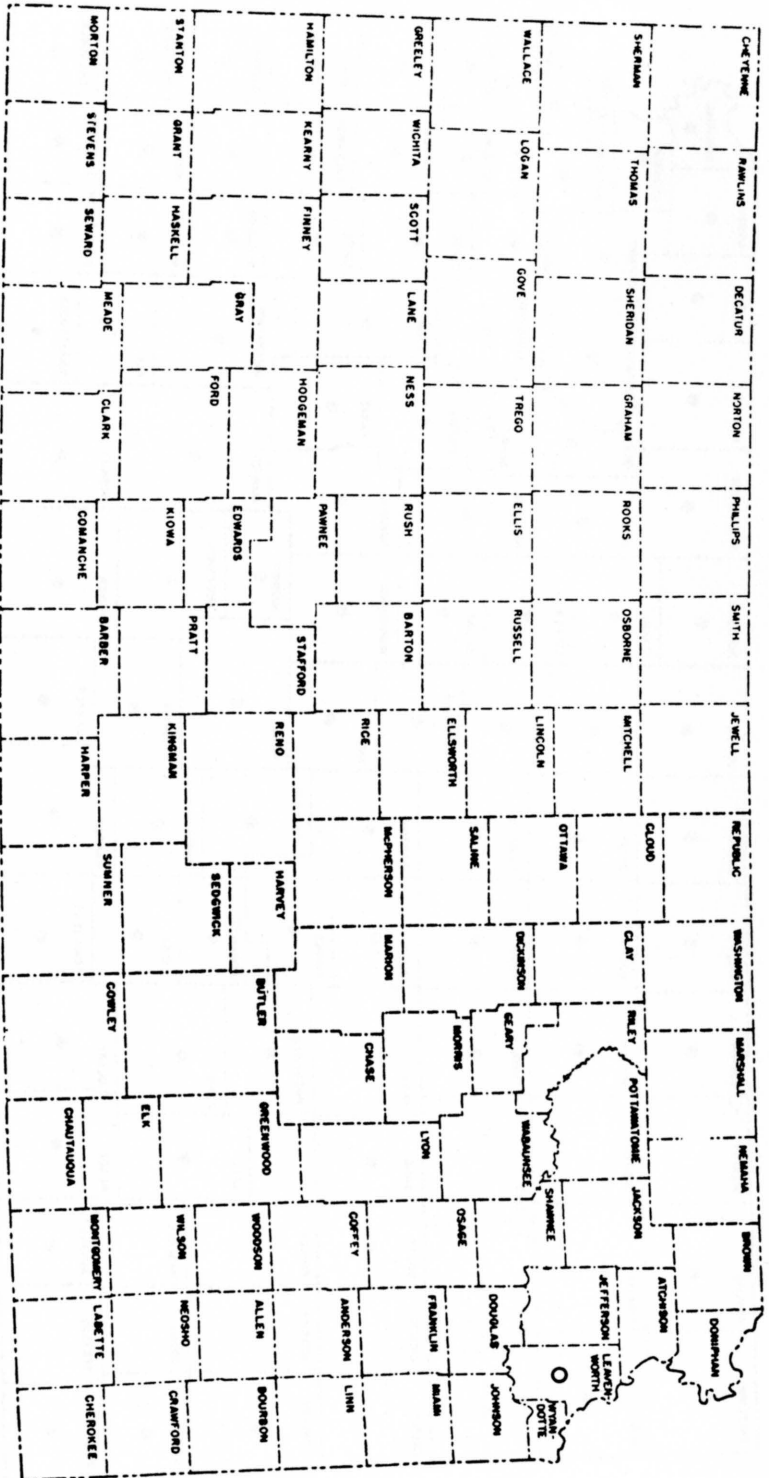
154) Pearly Malachite
Siproeta stelenes



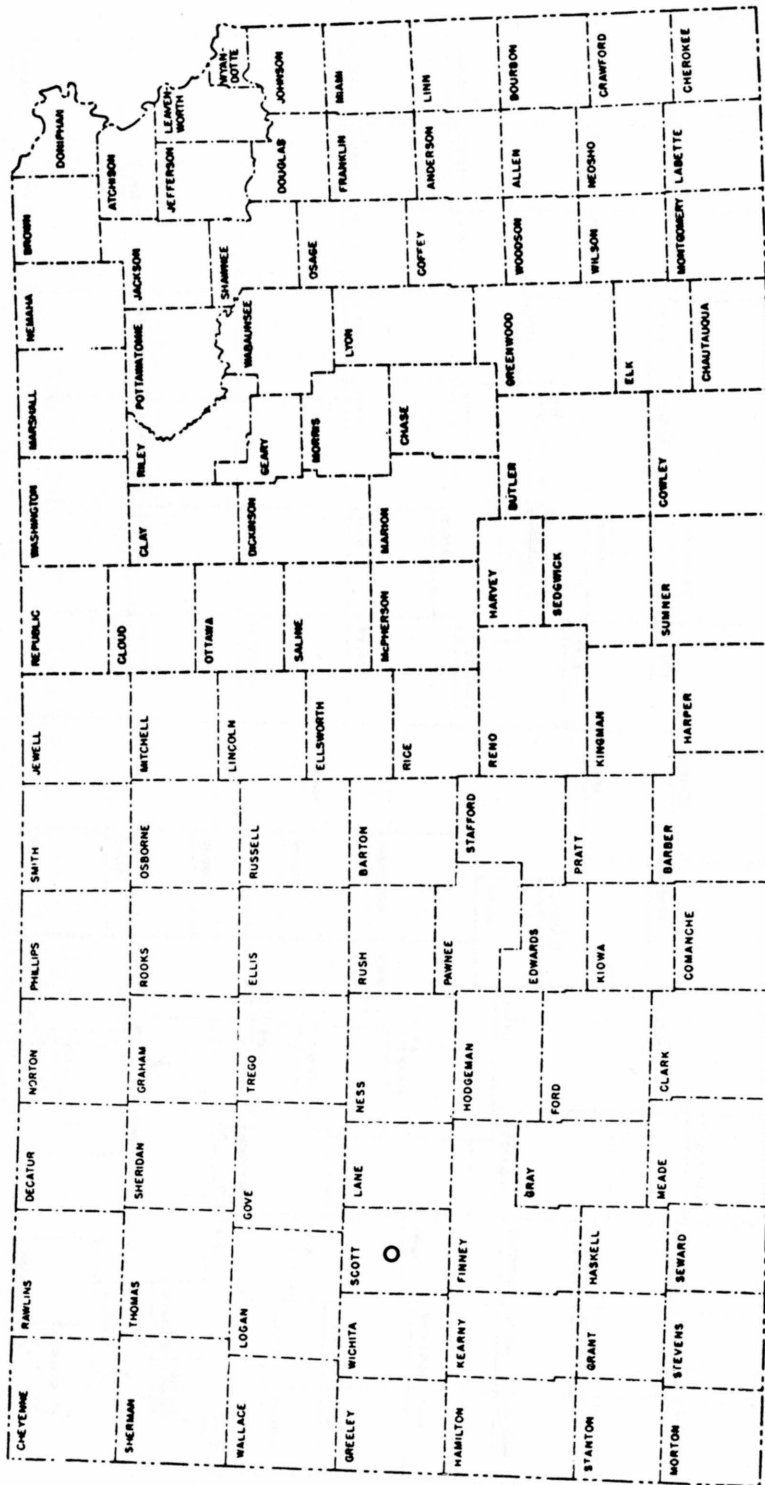
155) Red-spotted Purple
Basilarchia arthemis



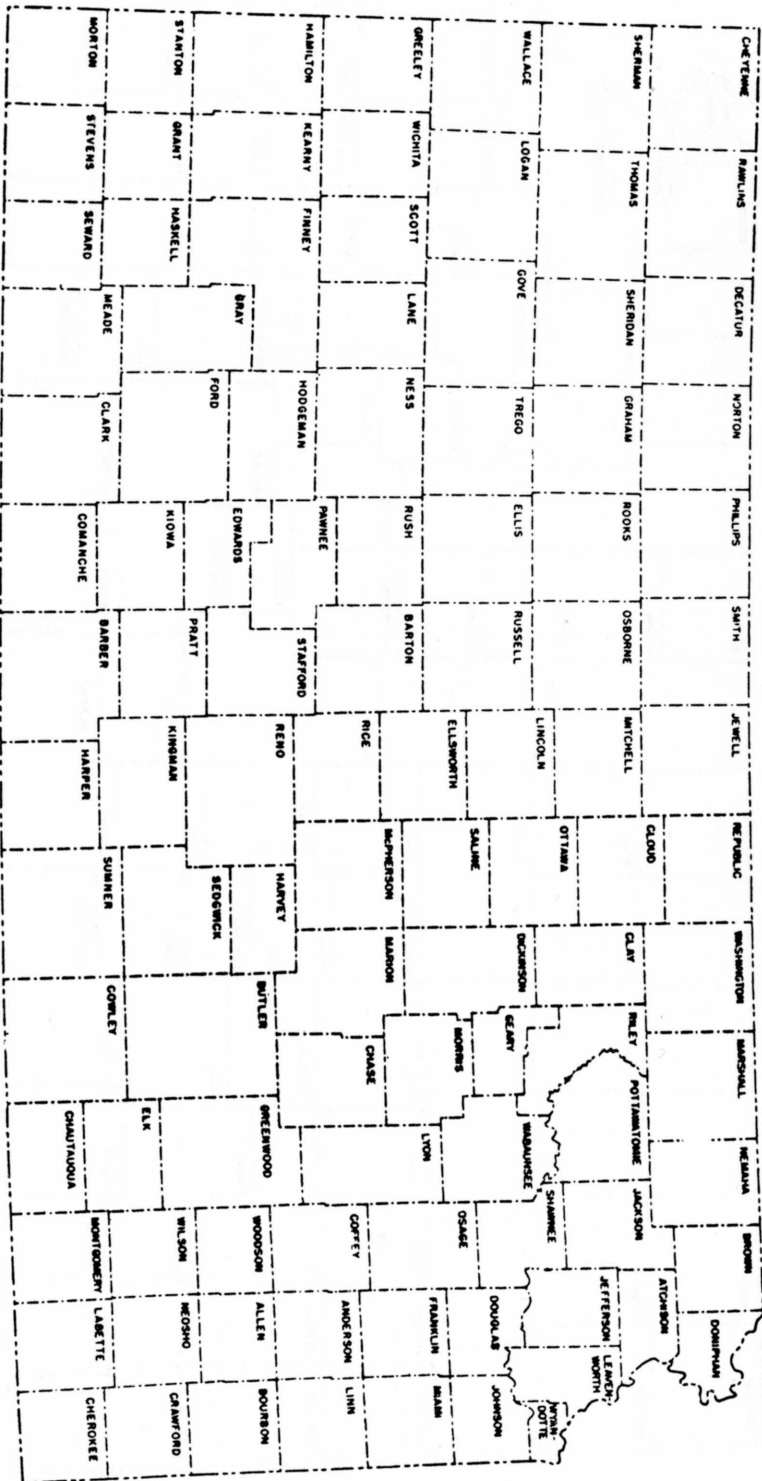
156) Eastern Viceroy
Basilarhia archippus



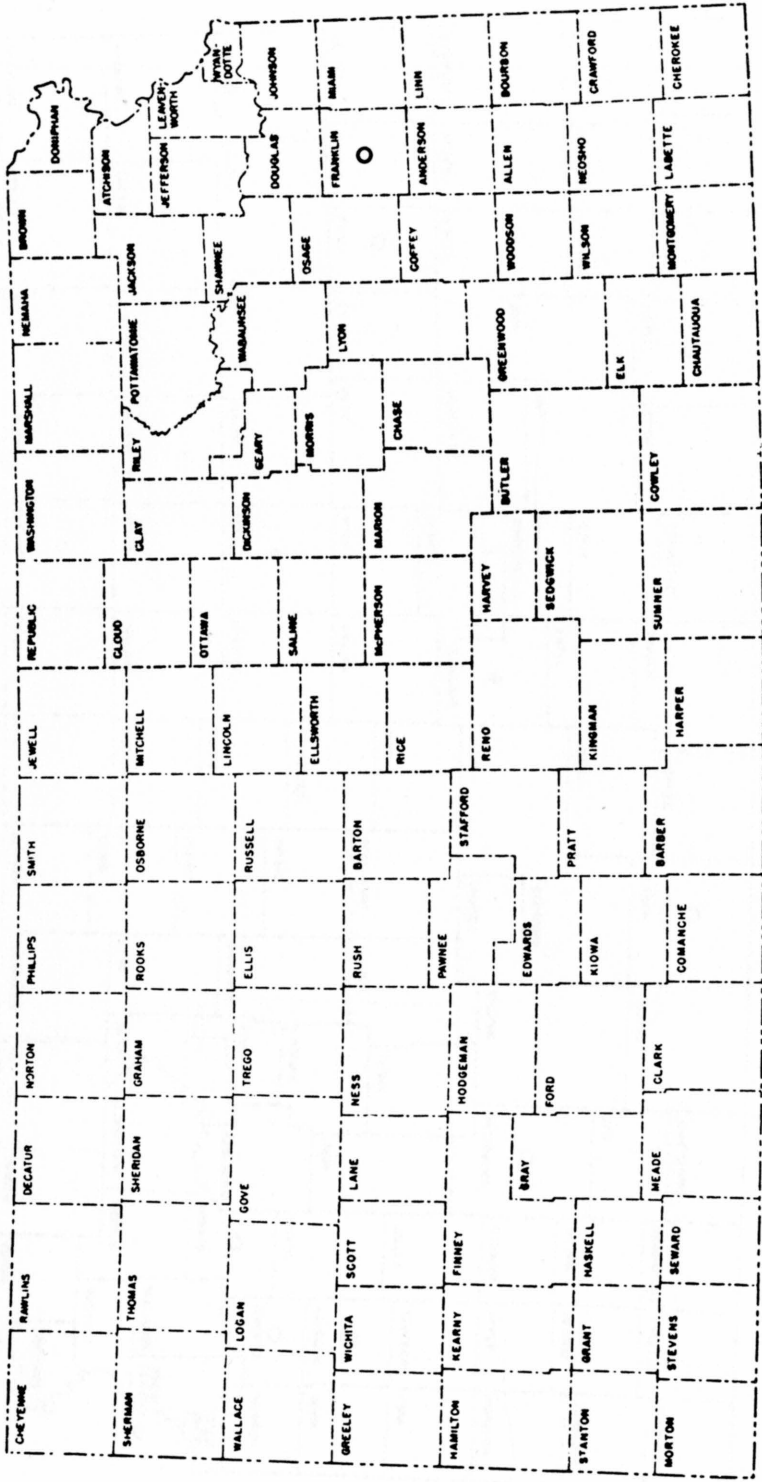
157) Weidemeyer's Admiral
 Basilarchia weidemeyerii



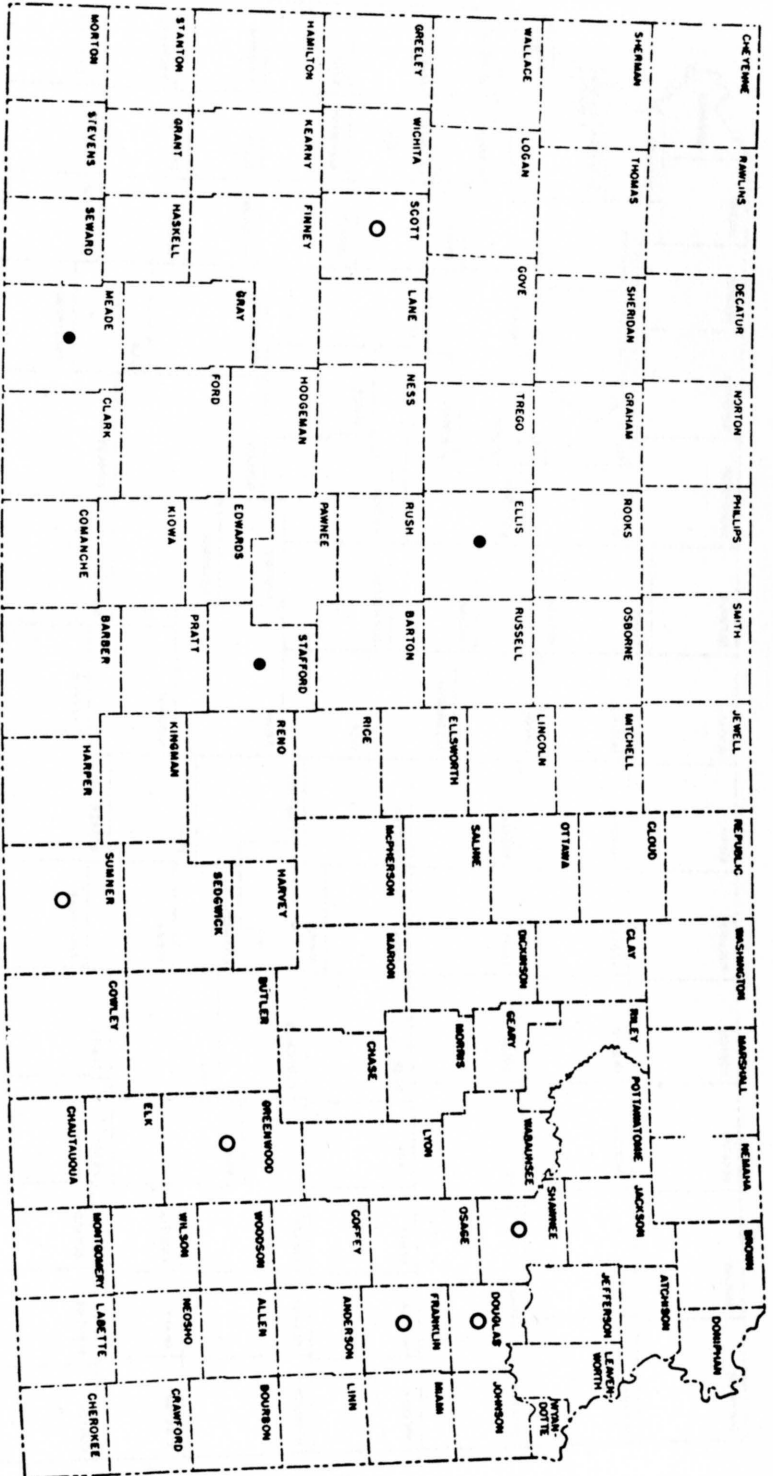
158) Mexican Sister
Adelpha bredowii



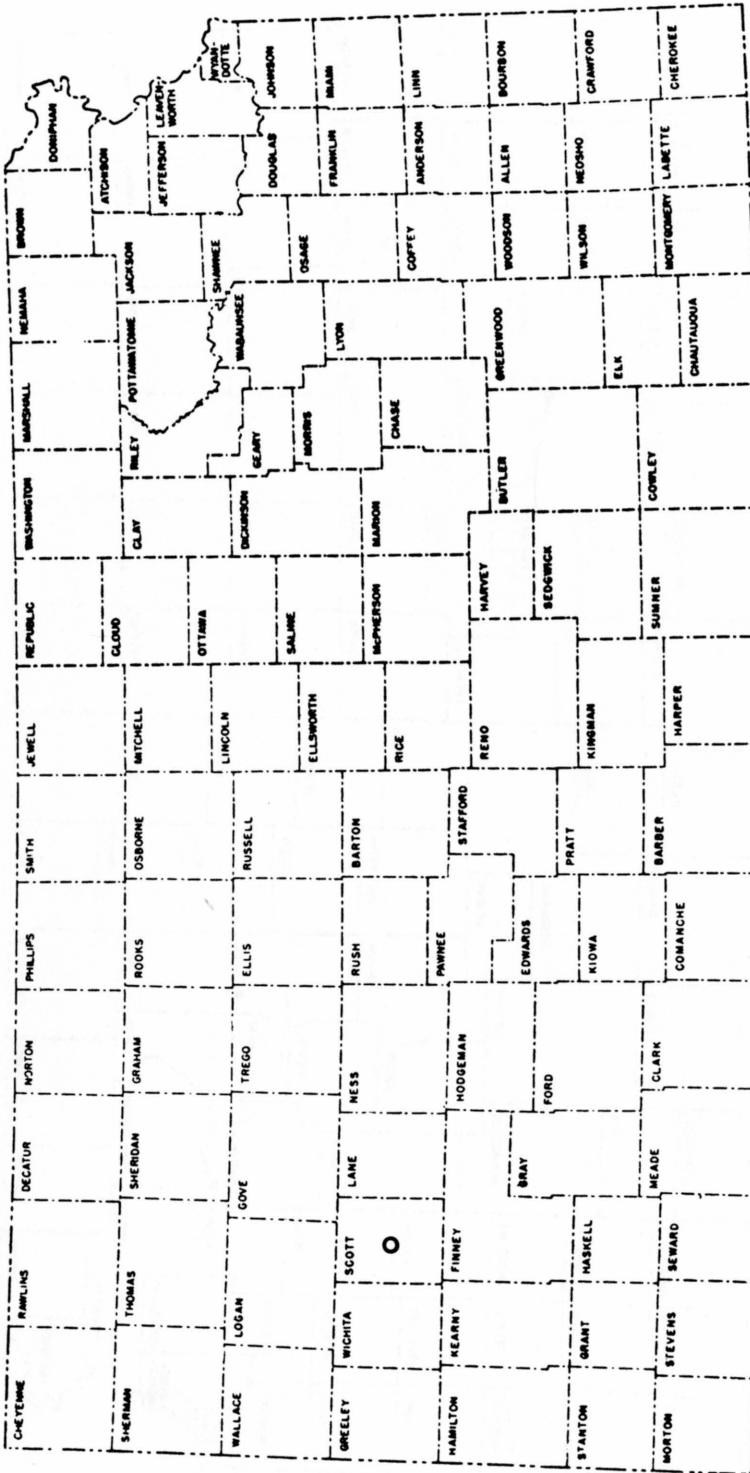
159) Dingy Purplewing
 Eunica monima



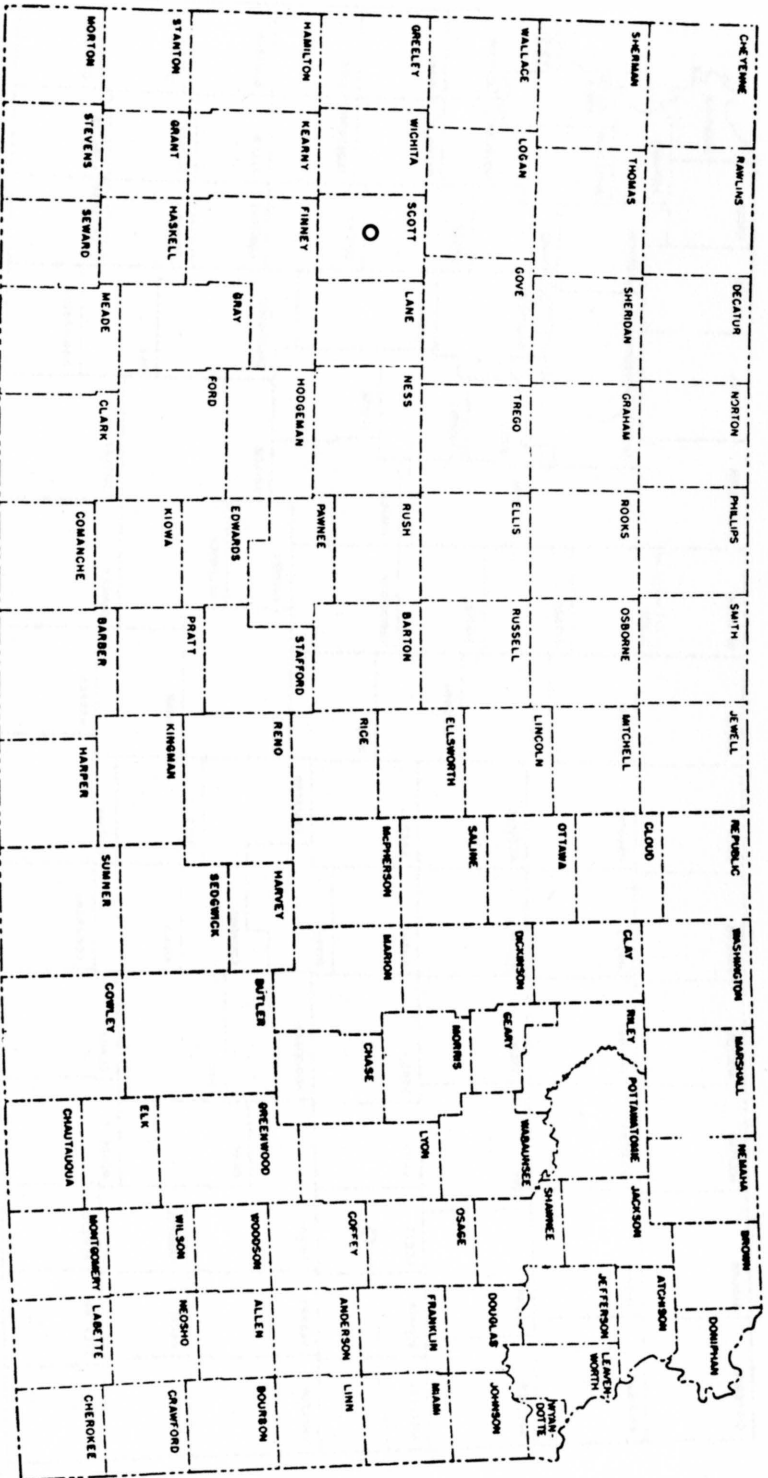
160) Mexican Purplewing
Eunice tatla



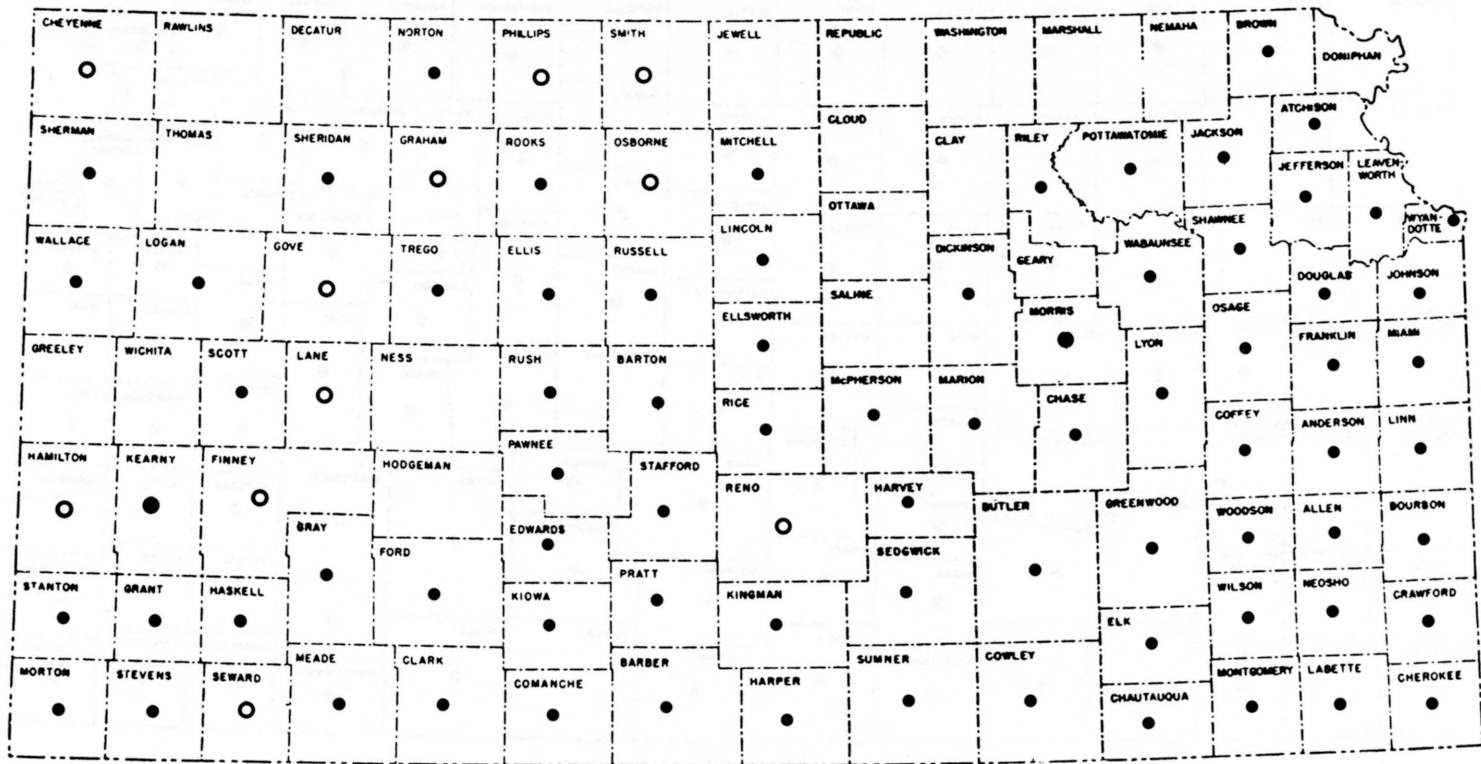
161) Amymone Butterfly
 Westra amyomone



162) Ruddy Daggerwing
Marpesia petreus

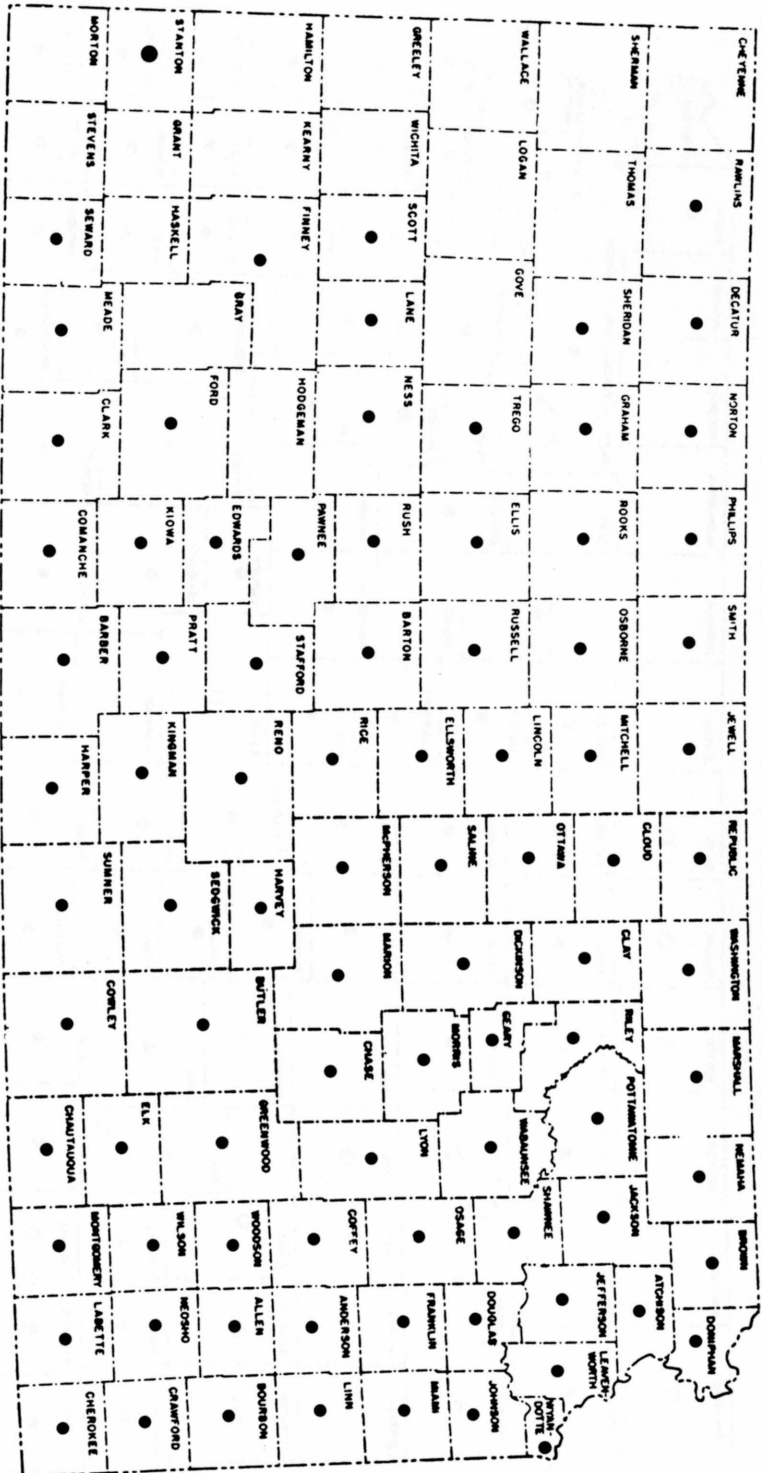


163) Eyed Goatweed
 Anaea aidea

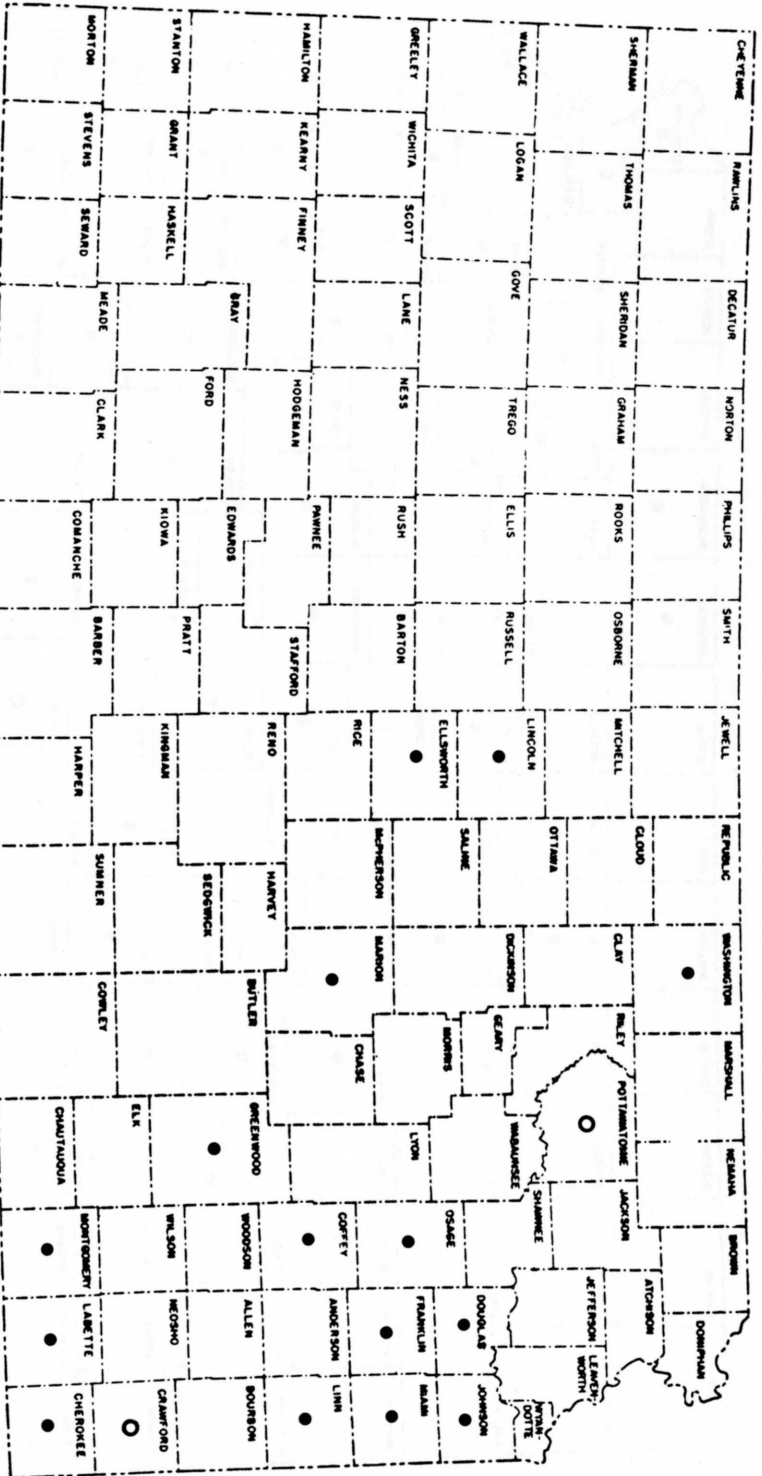


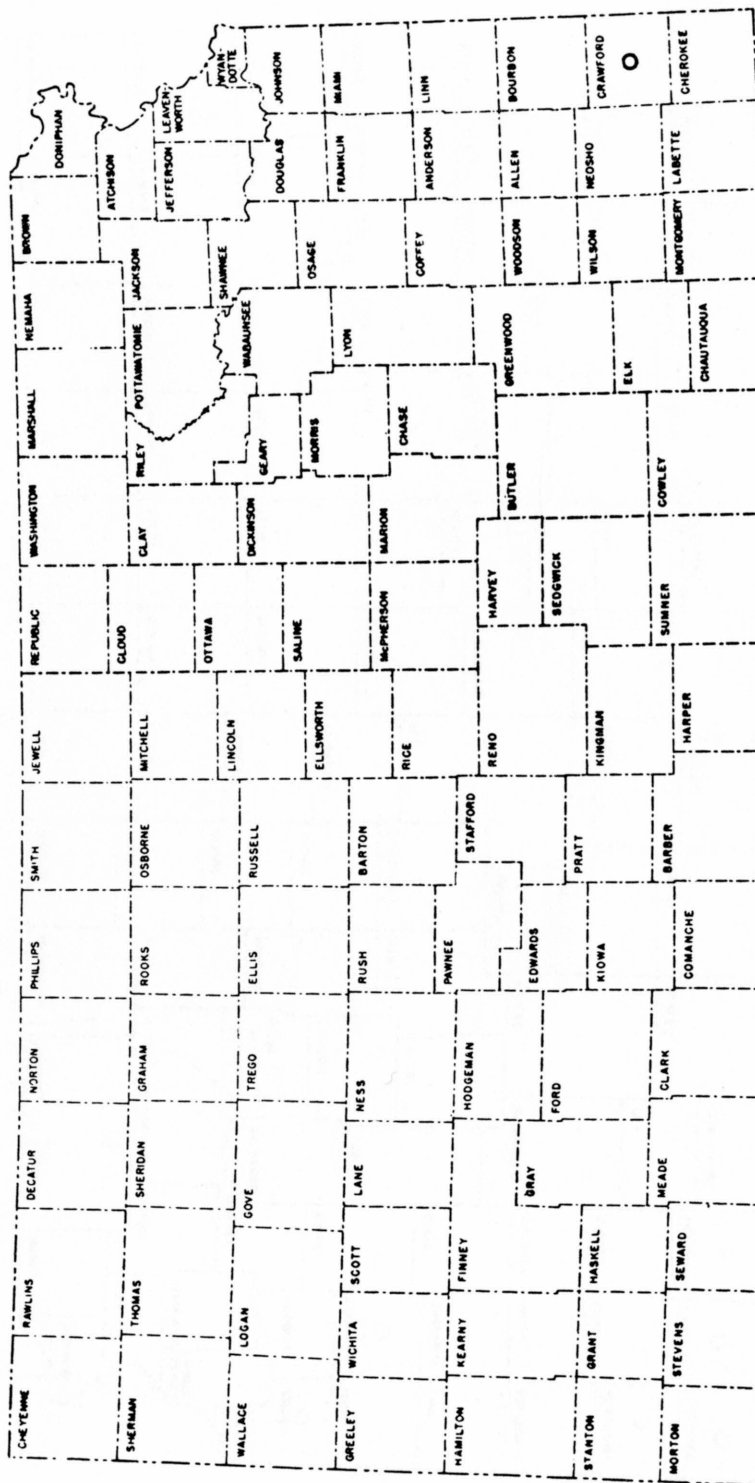
164) Goatweed Butterfly
Anaea andria

165) Hackberry Butterfly
Asterocampa celtis

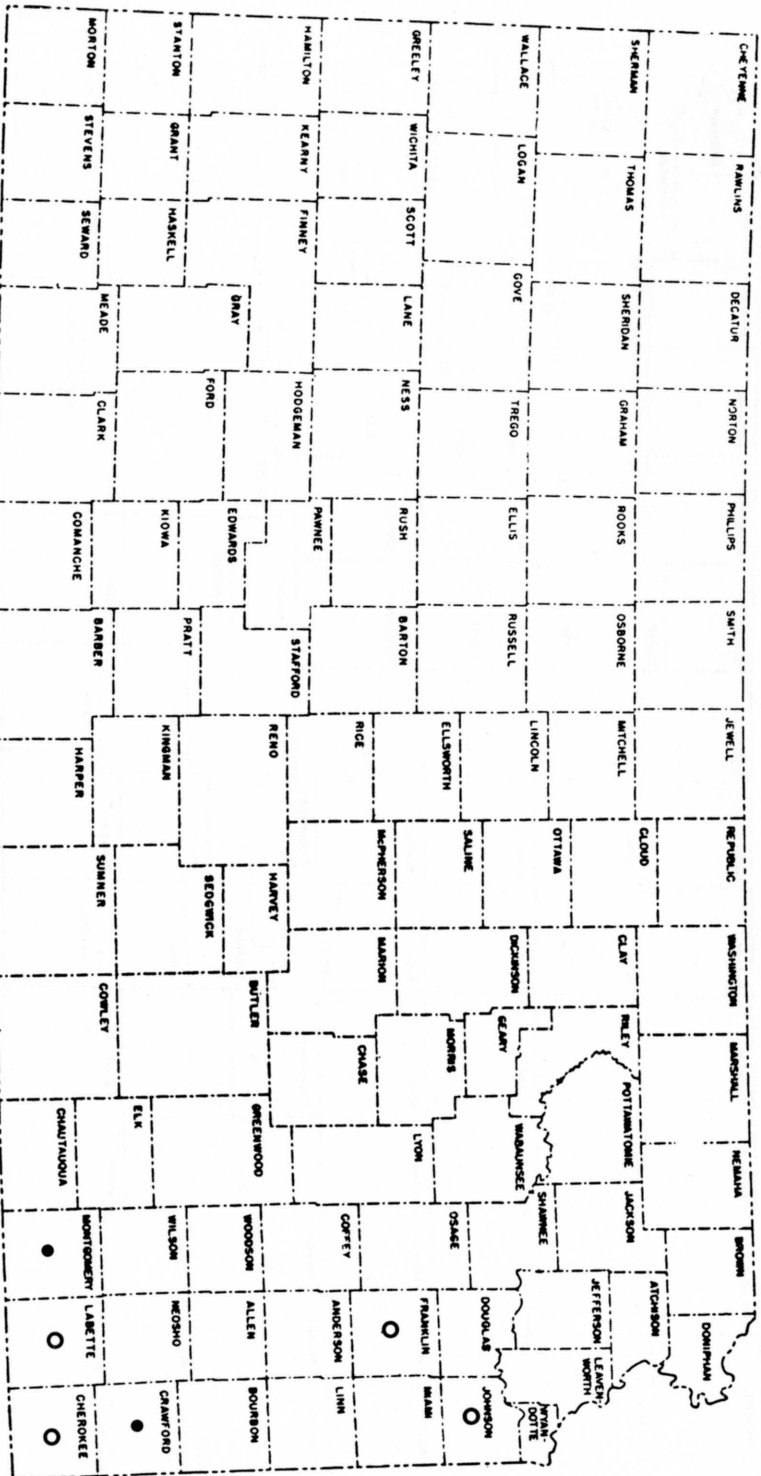


167) Northern Pearly Eye
Enodla anthedon

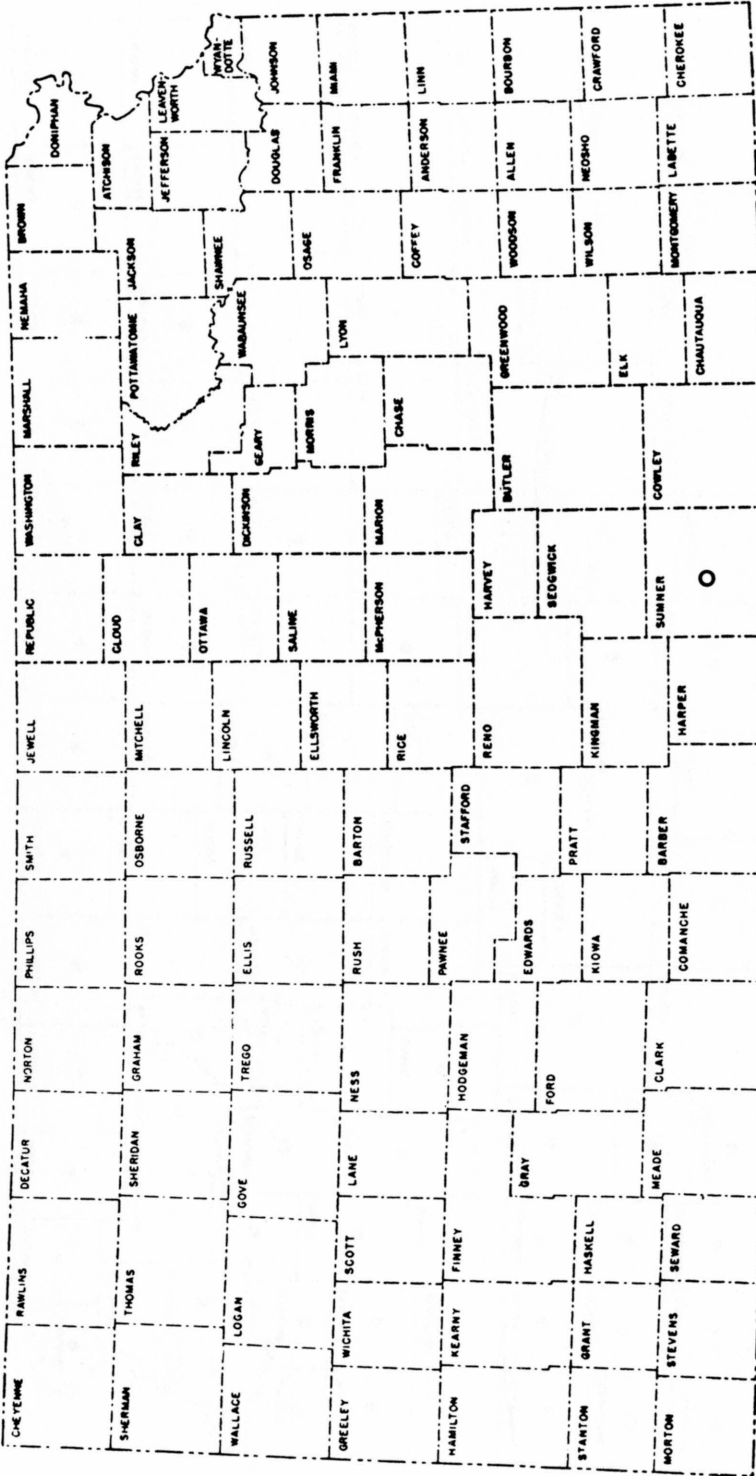




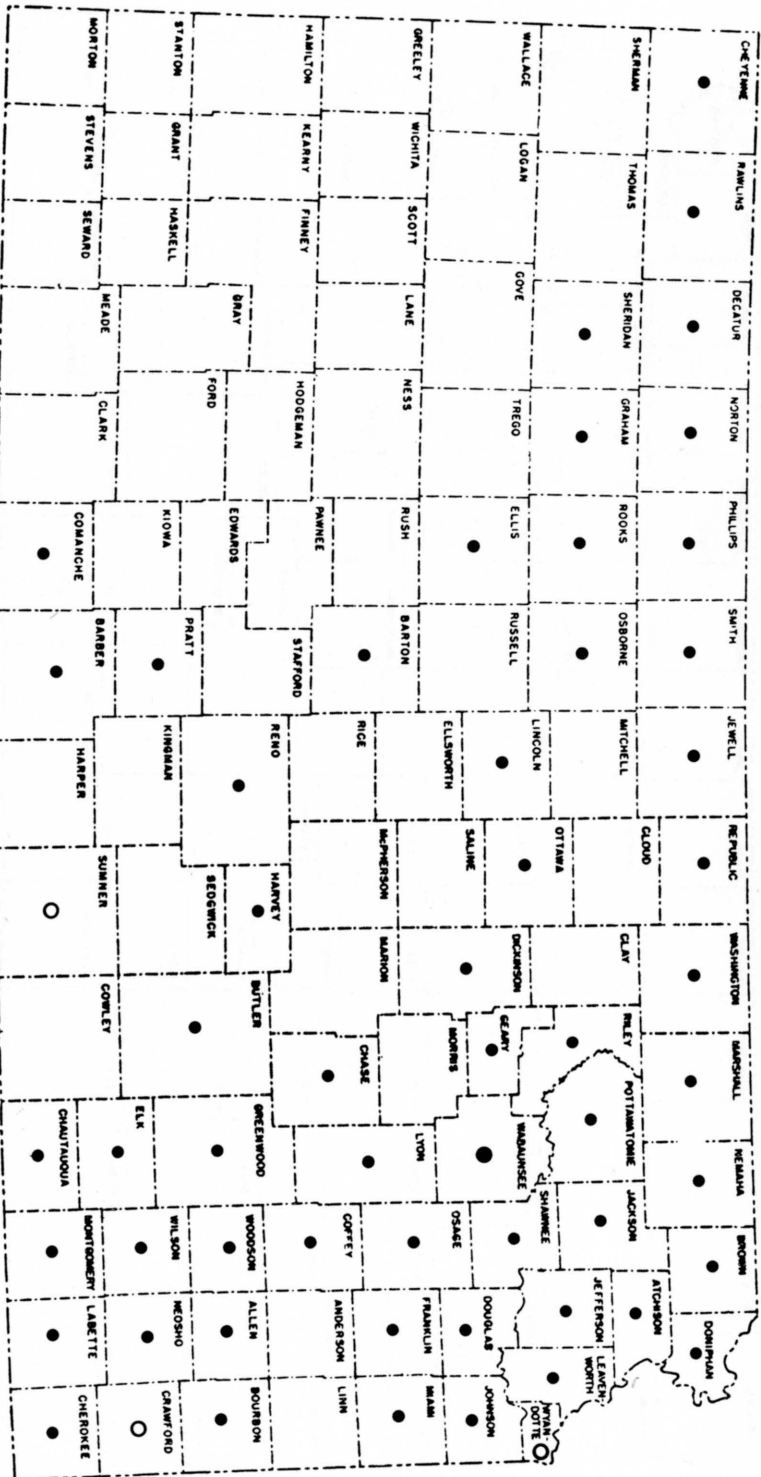
168) Creole Pearly Eye
Enodia creola



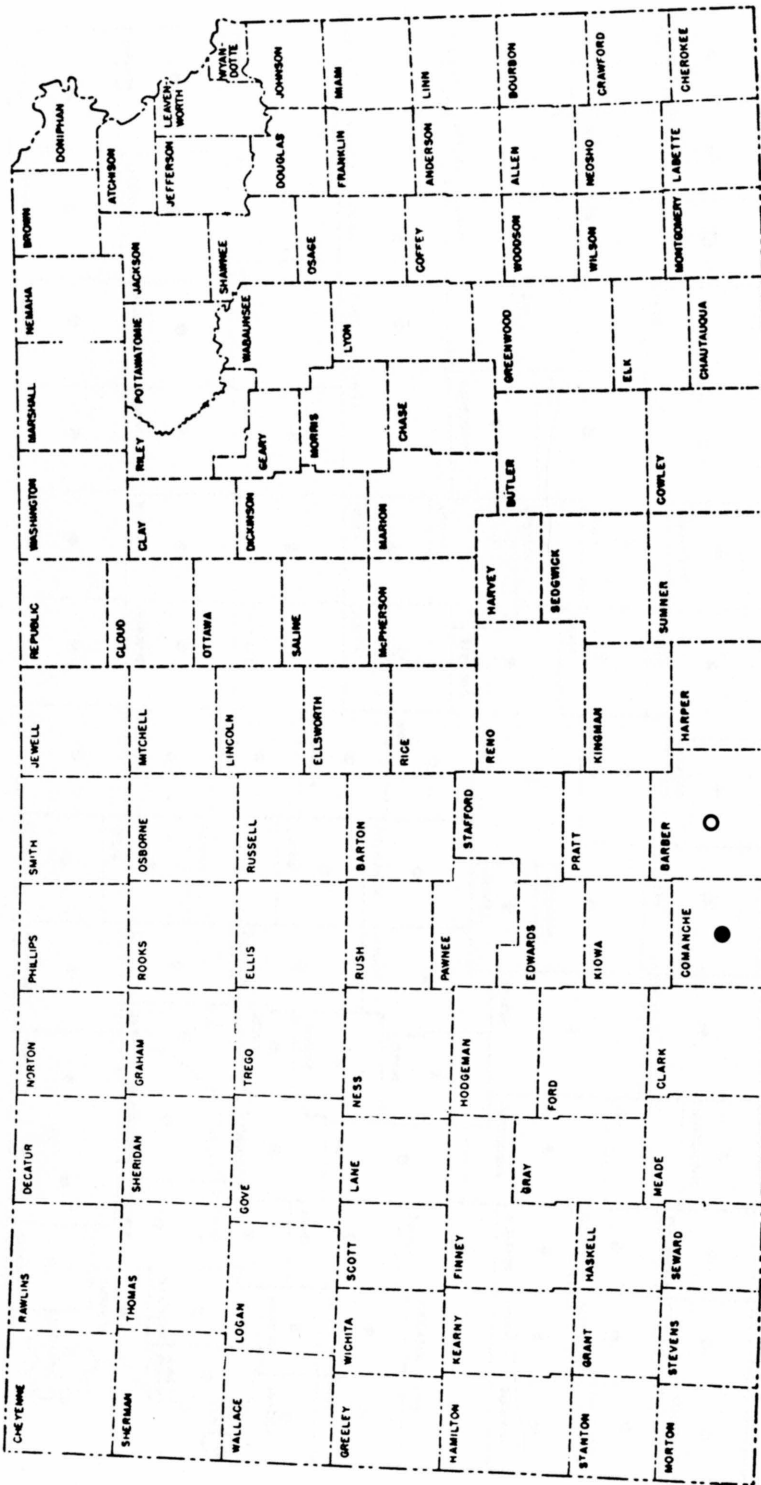
169) Gemmed Satyr
Cyllopsis gemma



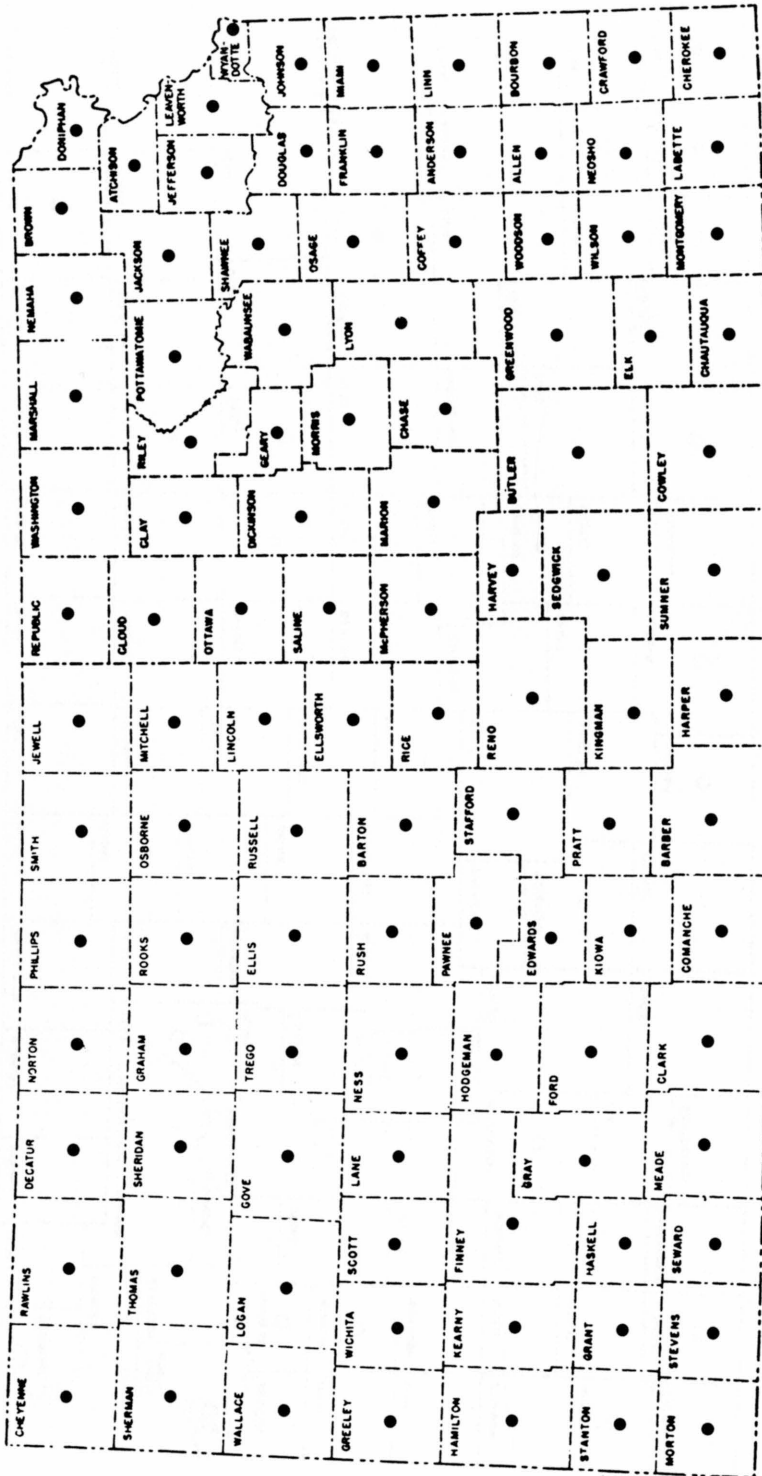
170) Carolina Satyr
Hermeuptychia sosybius



171) Little Wood Satyr
Megisto cymela



172) Red Satyr
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174) Monarch
Danaus plexippus

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