

North American Insect Status Review

Final Report of a research study conducted by the  
Department of Entomology, Smithsonian Institution  
under contract 14-16-0009-79-052 to the  
Office of Endangered Species  
U.S. Fish and Wildlife Service  
Department of the Interior

Compiled by Dr. Philip Don Perkins  
Research Entomologist  
Department of Entomology, Smithsonian Institution

## Introduction

The purpose of this report is to document depositories and locality data of 79 species of North American insects, and give literature citations pertaining to those insect species. The distribution data included herein were gathered from 21 insect collections, including all major collections in museums of the United States and Canada. These institutions are cited on the following page. Institutions surveyed and insect species were selected by the Office of Endangered Species, U. S. Fish and Wildlife Service, Department of Interior.

Distribution maps included herein reflect only specimens which were identified and available in the surveyed institutions; distribution data found in literature or that which may be present in private collections are not plotted. Maps are coded with symbols to distinguish among locality records for specimens which lacked date of collection information, specimens collected before 1920, specimens collected 1920-1939, specimens collected 1940-1959, and specimens collected 1960-1980. Clustering of symbols around a locality is sometimes necessary, therefore ranges on some maps will appear larger than actually indicated by the data.

## Abbreviations of Depositories

AMNH	American Museum of Natural History, New York
ASP	Academy of Sciences, Philadelphia
BCPM	British Columbia Provincial Museum, Victoria
CAS	California Academy of Sciences, San Francisco
CIS	California Insect Survey, Berkeley
CMNH	Carnegie Museum of Natural History, Pittsburgh
CNC	Canadian National Collection, Ottawa
CSLB	California State University, Long Beach
CU	Cornell University, Ithaca, New York
FMNH	Field Museum of Natural History, Chicago
FSCA	Florida State Collection of Arthropods, Gainesville
INHS	Illinois Natural History Survey, Urbana
LACM	Los Angeles County Museum, Los Angeles, California
LEM	Lyman Entomological Museum, Macdonald College, Quebec
MCZ	Museum of Comparative Zoology, Harvard University, Boston
OSU	Oregon State University, -Corvallis
UBC	University of British Columbia, Vancouver
UCD	University of California, Davis
UCR	University of California, Riverside
USNM	National Museum of Natural History, Smithsonian Institution
WUB	Warren U. Brigham collection, Urbana, Illinois

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British Columbia Provincial Museum, Victoria:

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California Academy of Sciences, San Francisco:

Dr. D. Kavanaugh, Dr. P. Arnaud

California Insect Survey, Berkeley:

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Carnegie Museum of Natural History, Pittsburgh:

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Canadian National Collection, Ottawa:

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Cornell University, Ithaca, New York:

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Field Museum of Natural History, Chicago:

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Los Angeles County Museum, Los Angeles, California:

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Lyman Entomological Museum, Macdonald College, Quebec:

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Dr. F. Thompson, Dr. E. Todd

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Aeshna mutata Hagen 1861

(Odonata: Aeshnidae)

- Hagen, H. 1861. Synopsis of the Neuroptera of North America.  
Washington, Smithsonian Institution, p. 124. (original  
description)
- Williamson, E. B. 1908. Three related American species of Aeshna  
(Odonata). Entomological News 19:264, 302. (notes on morphology)
- Walker, E. M. 1912. The North American dragonflies of the genus  
Aeshna. University of Toronto Studies, Biological Series 11: 198.  
(taxonomy and distribution)
- Garman, P. 1927. Guide to the insects of Connecticut. Part V. The  
Odonata or dragonflies of Connecticut. Bulletin of the State  
Geological and Natural History Survey of Connecticut 39:192.  
(notes on distribution)
- Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies  
of North America. Springfield, Illinois, C. C. Thomas, p. 142.  
(notes on distribution)
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies  
of North America (Anisoptera). University of California Press,  
Berkeley and Los Angeles, p. 309. (notes on distribution)
- Carle, F. L. 1979. Environmental monitoring potential of the Odonata,  
with a list of rare and endangered Anisoptera of Virginia,  
United States. Odonatologica 8(4):319-323. (note on rare status,  
no locality data cited)

Aeshna mutata Hagen 1861

Type-locality: "North America"

Aeshna mutata Hagen 1861

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Indiana</u>			
Bluffton, Vaneman Swamp	1923	5	USNM
Bluffton	1907	1	USNM
Bluffton	1922	2	CNC
Bluffton	1907	3	ANSP
Bluffton, Vaneman Swamp	1922	1	ANSP
Bluffton	1907	1	MCZ
Wells Co., Vaneman Swamp	1923	1	MCZ
No data	-	1	MCZ
Bluffton	1907	1	CU
Peabody Woods near Hoover	1929	1	CU
Allen Co., Aboite R.	1929	1	CU
<u>Michigan</u>			
St. Joseph Co.	1941	2	CU
<u>New York</u>			
Cinnamon Lake	1939	1	USNM
Cinnamon Lake	1939	1	CU

Note: "Cinnamon Lake, New York" has not been found on maps.

Aeshna mutata Hagen 1861

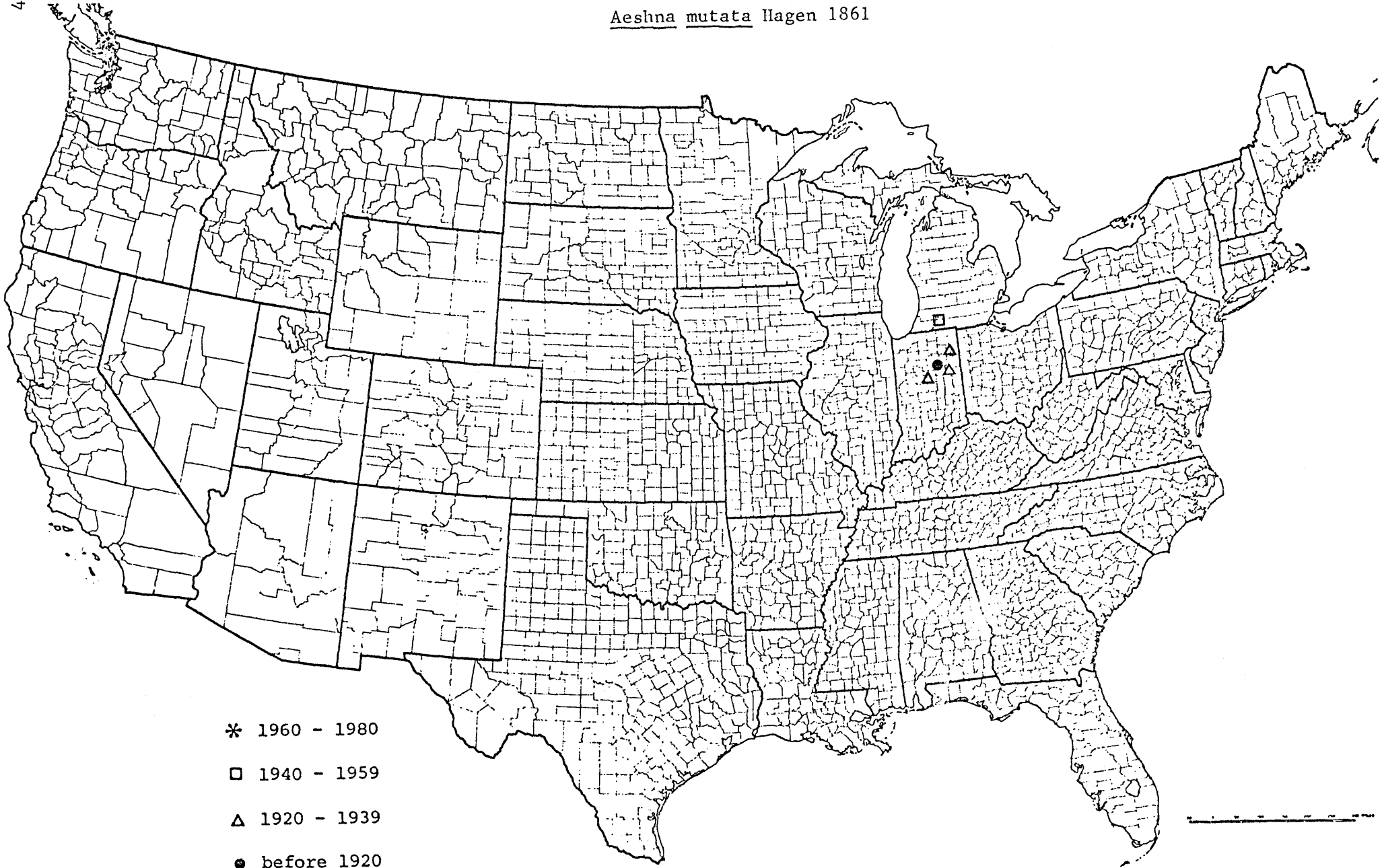
\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Aeshna persephone Donnelly 1961

(Odonata: Aeshnidae)

Donnelly, T. W. 1961. Aeshna persephone, a new species of dragonfly from Arizona, with notes on Aeshna arida Kennedy (Odonata: Aeshnidae). Proceedings of the Entomological Society of Washington 63:193. (original description)

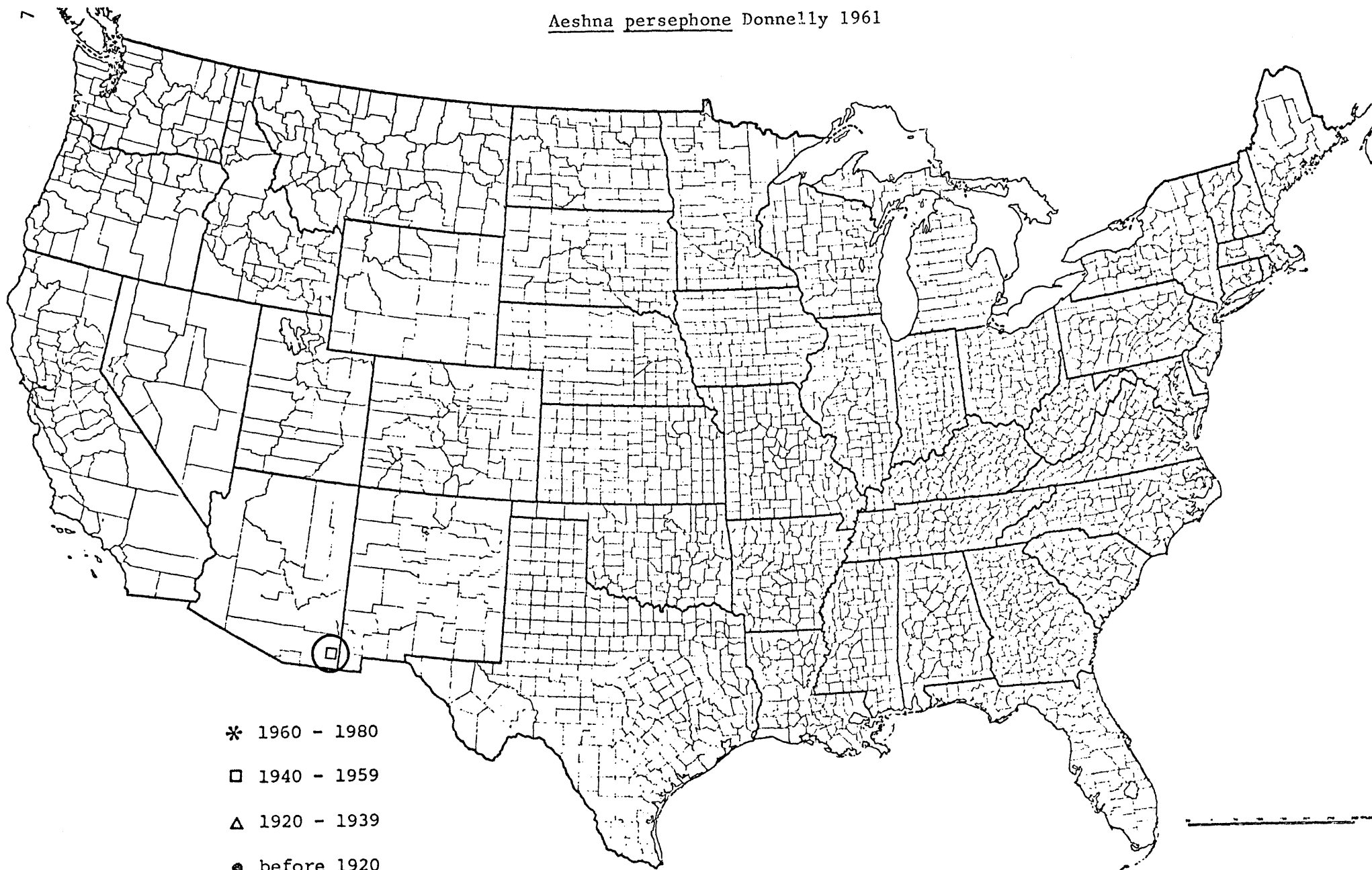
Type-locality: Herb Martyr Dam, on Cave Creek, near Portal, Arizona

Aeshna persephone Donnelly 1961

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Arizona</u>			
S. Arizona	1902	1	MCZ

Aeshna persephone Donnelly 1961



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Calopteryx aequabilis californica Kennedy 1918

(Odonata: Zygoptera: Calopterygidae)

Kennedy, C. H. 1917. Notes on the life history and ecology of the dragonflies (Odonata) of Central California and Nevada. Proceedings of the United States National Museum 52:483-635. (biology of C. aequabilis)

Kennedy, C. H. 1918. The varieties of the dragonfly, Agrion aequabile (Say). Canadian Entomologist 50:406-410. (original description)

Martin, R. D. C. 1939. Life histories of Agrion aequabile and Agrion maculatum (Argidae: Odonata). Annals of the Entomological Society of America 35:601-19. (biology)

Smith, R. F. and A. E. Pritchard. 1956. Odonata. In, Usinger, Ed., Aquatic Insects of California with keys to North American genera and California species. University of California Press, Berkeley and Los Angeles, p. 137. (in key)

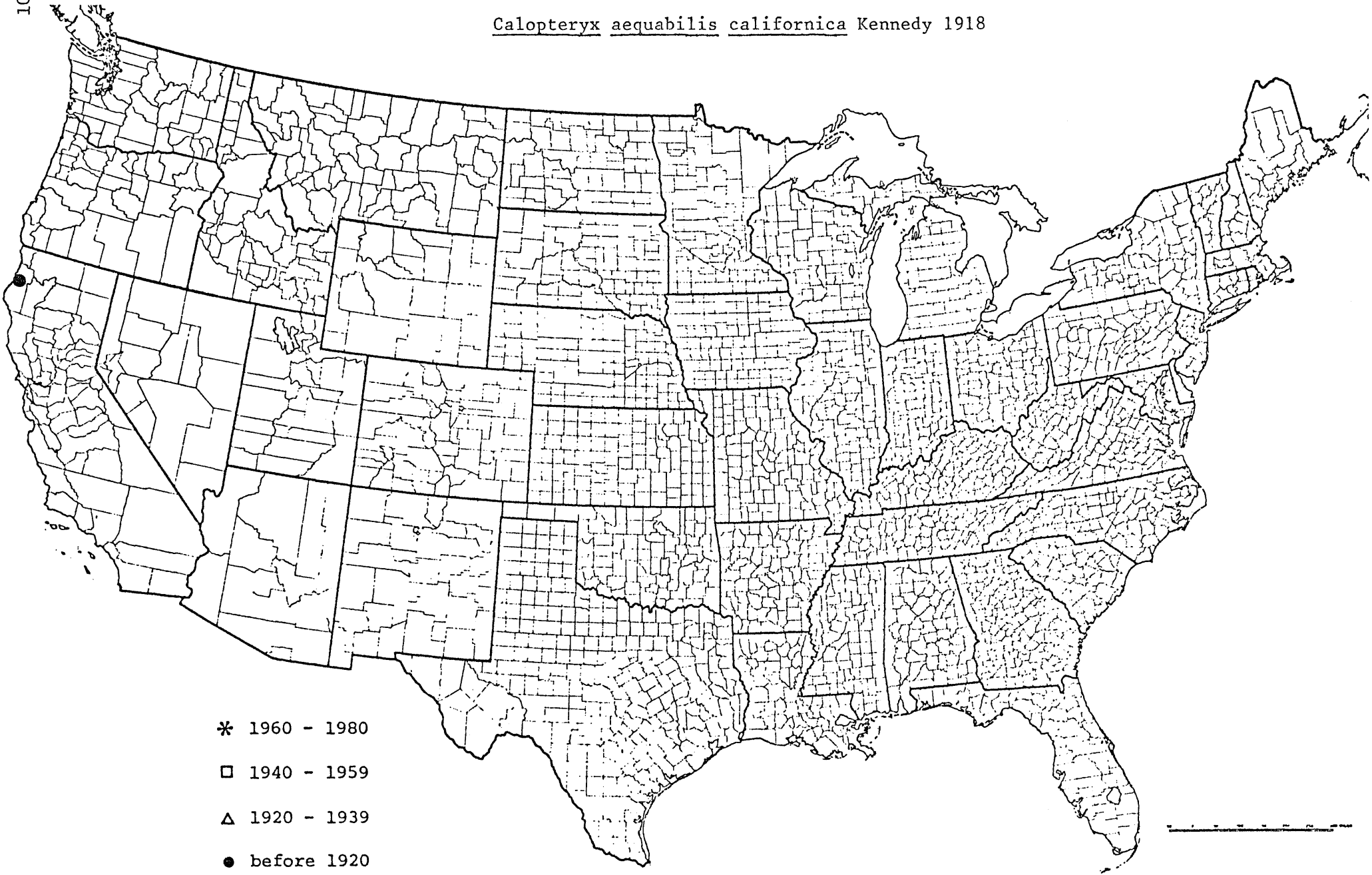
Type-locality: Blue Lake, Humboldt Co., California

Calopteryx aequabilis californica Kennedy 1917

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Humboldt Co., Blue Lake on Mad R.	1911	1	USNM

Calopteryx aequabilis californica Kennedy 1918



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date

Calopteryx angustipennis (Selys) 1853

(Odonata: Zygoptera: Calopterygidae)

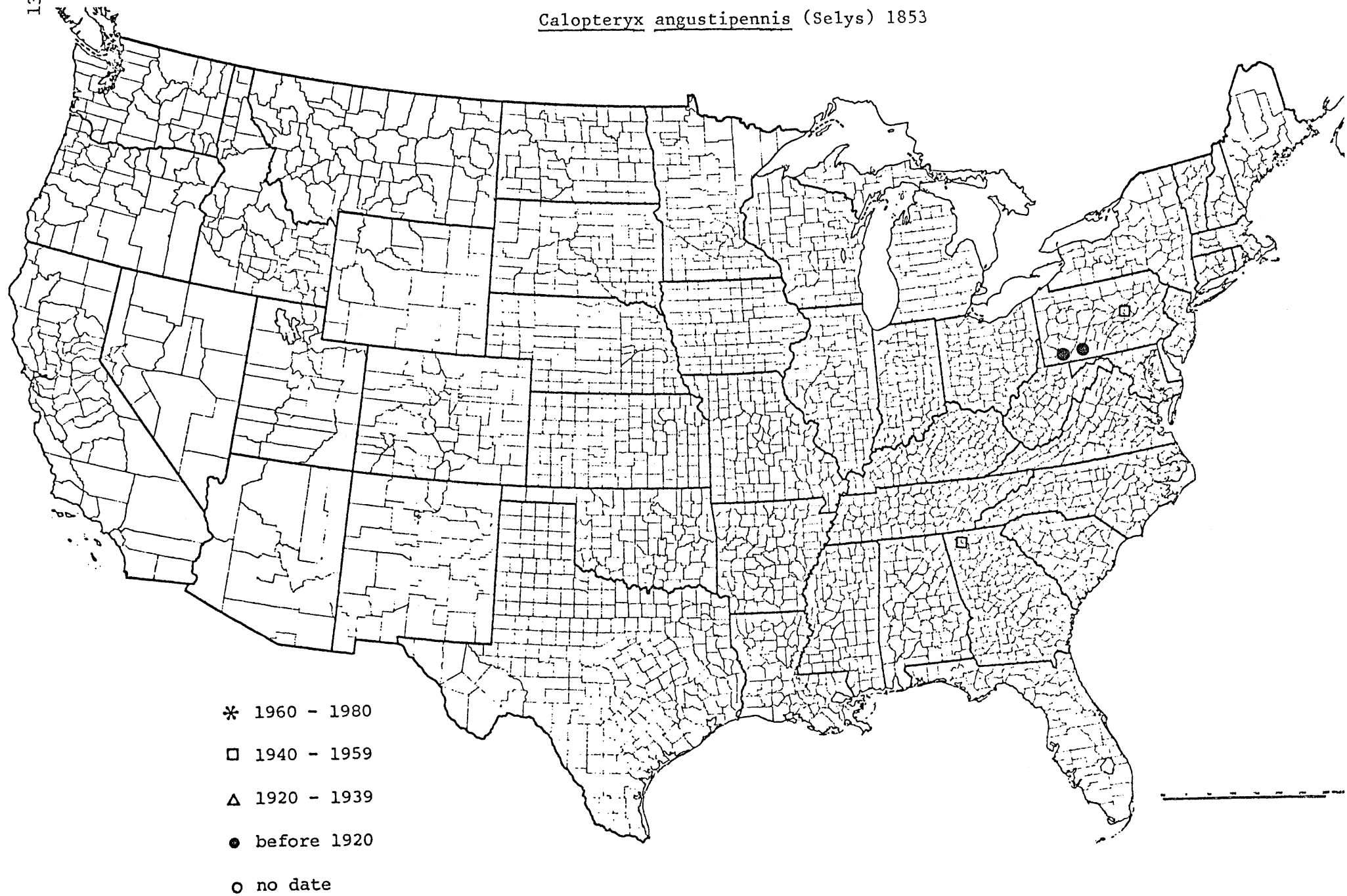
Selys-Longchamps, E. de. 1853. Synopsis des Calopterygines. Bulletin  
de l'Academie royale de Belgique 20, p. 9. (original description)

Type-locality: Georgia

Calopteryx angustipennis (Selys) 1853

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Georgia</u>			
Murray Co., Trib. of Coosawaltee River, 8 mi. N. of Co. line	1952	3	USNM
<u>North Carolina</u>			
Caldwell Co., trib. of Johns River, 2.5 mi. E. of Collettsville	1952	1	USNM
<u>Pennsylvania</u>			
Union Co., Penn's Creek, 3 miles W. of Weikert, "McConnell's Narrows"	1954	4	USNM
Fayette Co.	1899	1	USNM
Ohio Pyle	1900	6	USNM
Rockwood	1900	1	USNM
Ohio Pyle	1900	7	ANSP
Fayette Co.	1899	6	ANSP
Rockwood	1900	2	ANSP

Calopteryx angustipennis (Selys) 1853

Cordulegaster sayi Selys 1854

(Odonata: Anisoptera: Corduligastridae)

Selys-Longchamps, E. de. 1854. Synopsis des Gomphines. Bulletin de l'Academie royal des sciences de Belgique 21(2):104. (original description)

Selys-Longchamps, E. de. 1857. Monographie des Gomphines. Brussels and Leipzig, Nuquardt; Paris, Roret, p. 331 (note on distribution)

Hagen, H. A. 1861. Synopsis of the Neuroptera of North America. Washington, Smithsonian Institution, p. 115. (note on distribution)

Needham, J. G. 1903. Life-histories of Odonata. Bulletin of the New York State Museum 68:267. (biology)

Muttkowski, R. A. 1908. Review of the dragon-flies of Wisconsin. Bulletin of the Wisconsin Natural History Society 6:79. (note on distribution)

Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas, p. 155. (note on distribution)

Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 87. (note on distribution)

Type-locality: Georgia

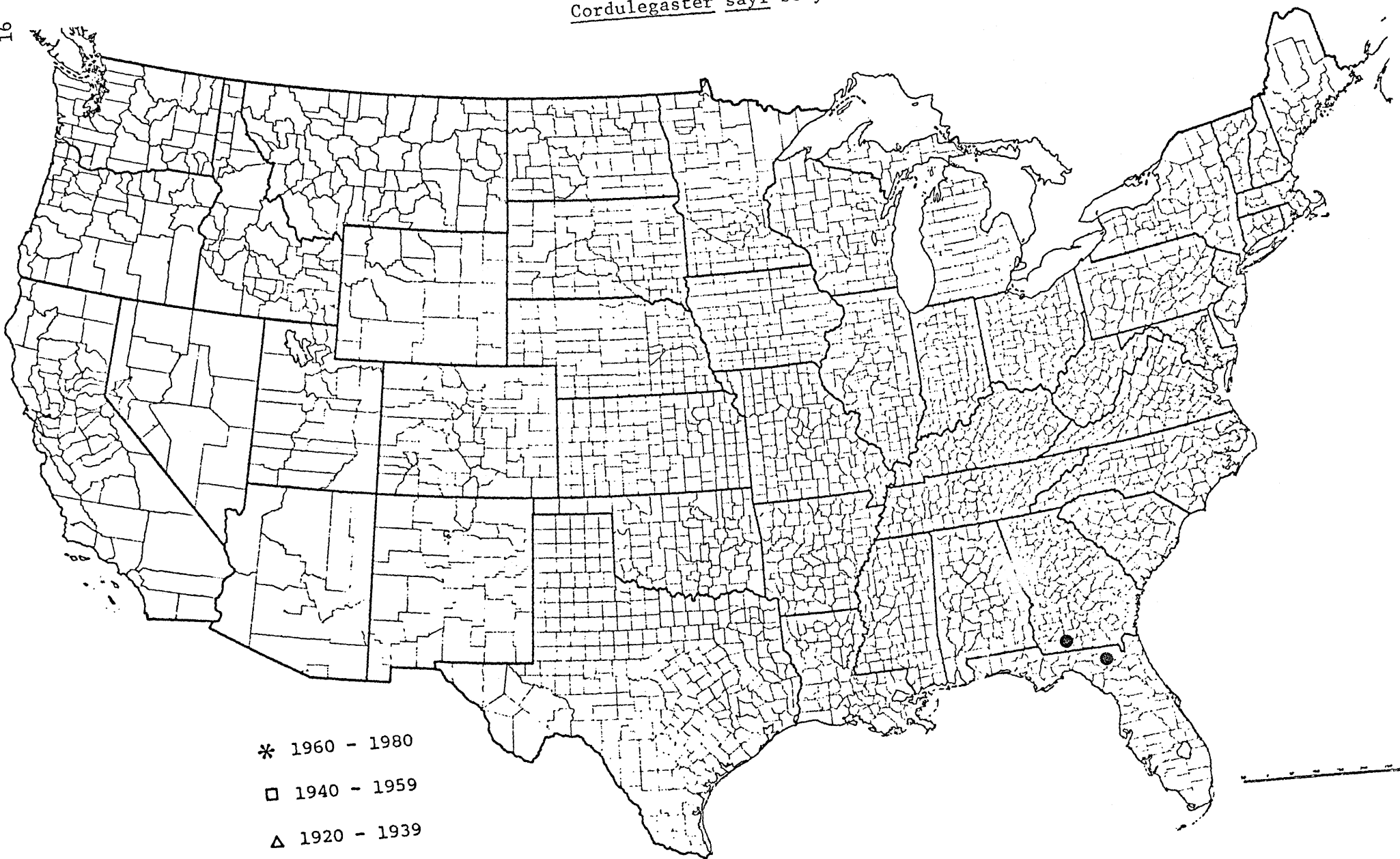
Cordulegaster sayi Selys 1854

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Florida</u>			
Lake City	-/1892/1897	1/1/1	CU
<u>Georgia</u>			
No data	-	3	MCZ
Thomasville	1904	1	ANSP



*Cordulegaster sayi* Selys 1854



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date

Enallagma laterale Morse 1895

(Odonata: Zygoptera: Coenagrionidae)

Morse, A. P. 1895. New North American Odonata. Psyche 7:274-5.

(original description)

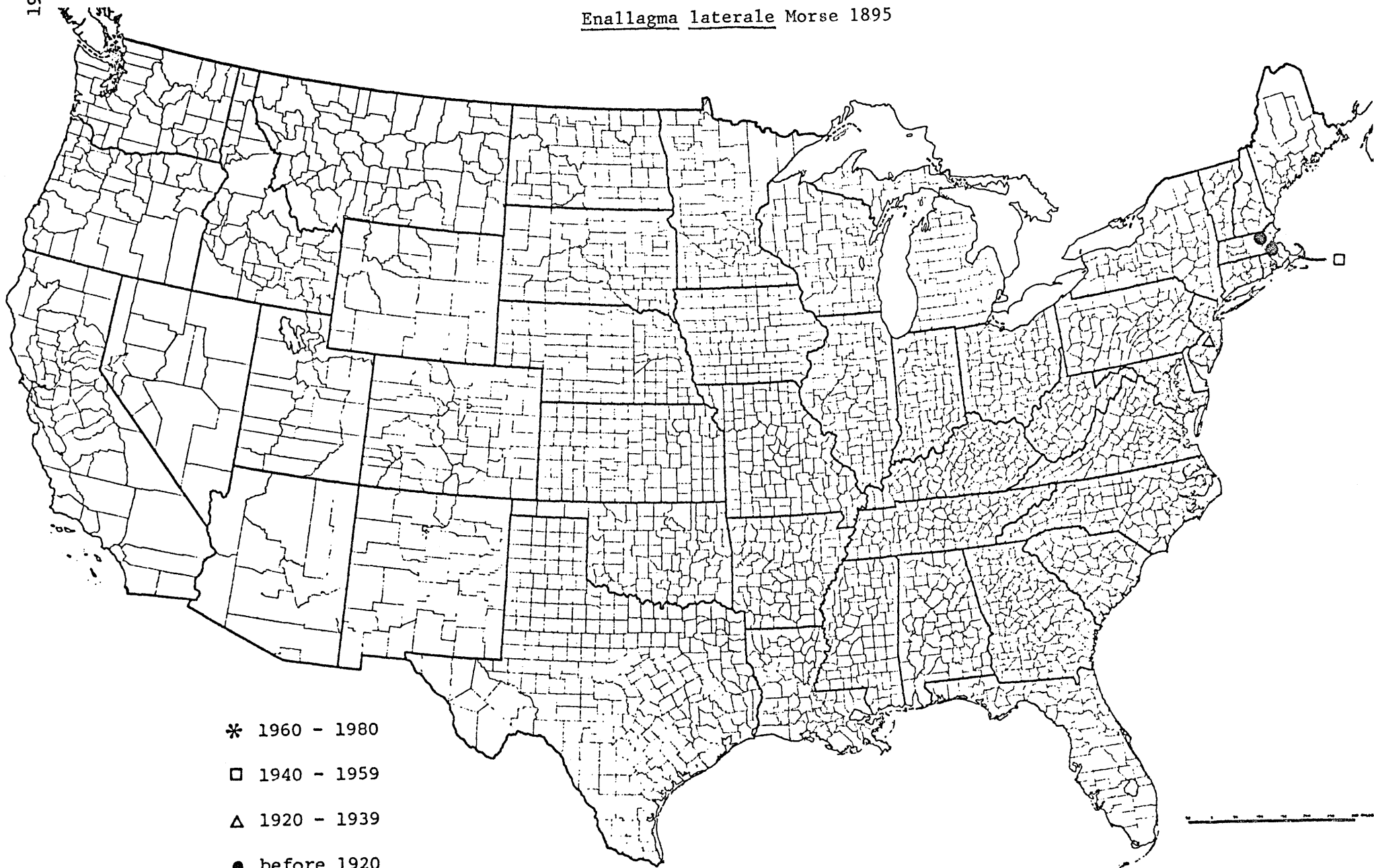
Byers, C. F. 1927. Key to the North American species of Enallagma,  
with a description of a new species (Odonata: Zygoptera). Transactions  
of the American Entomological Society 53:249-260. (in key)

Type-locality: Wellesley, Massachusetts

Enallagma laterale Morse 1895

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Massachusetts</u>			
Cape Cod, Jabinette's Pd., W. Yarmouth	1953/54	13/5	USNM
Barnstable Co., Harwich, Hawksnest Pond	1957	3	USNM
Concord	1917	7	USNM
Concord	1907	1	CNC
Concord	1916	2	AMNH
Wellesley	1895	16	MCZ
Cape Cod, Jabinette's Pd., W. Yarmouth	1954	2	CU
<u>New Jersey</u>			
Browns Mills	1921	1	AMNH

Enallagma laterale Morse 1895

\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date

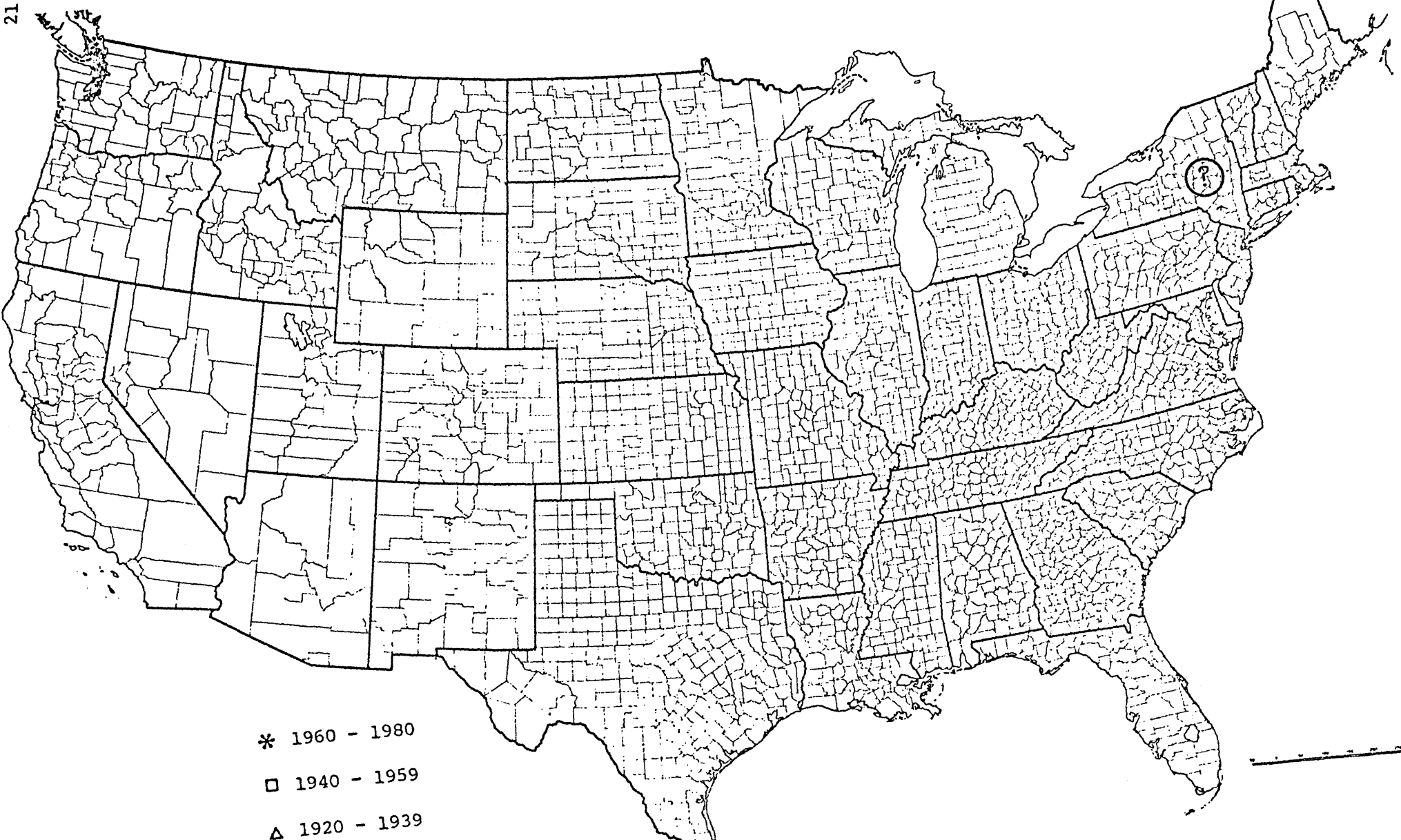
Gomphus adelphus Selys 1857

(Odonata: Anisoptera: Gomphidae)

- Selys-Longchamps, E. de. 1857. Monographie des Gomphines. Brussels and Leipzig, Nuquardt; Paris, Roret, p. 413. (original description)
- Hagen, H. A. 1861. Synopsis of the Neuroptera of North America. Washington, Smithsonian Institution, p. 104. (note on distribution)
- Selys-Longchamps, E. de. 1878. Quatriemes additions au synopsis des Gomphines. Bulletin de l'Academie royal des sciences de Belgique (2)46:457. (note on distribution)
- Howe, R. H. 1917. Manual of the Odonata of New England. Memoirs of the Thoreau Museum of Natural History 2:33.(note on distribution)
- Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas, p. 94.
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 186.
- Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. Odonatologica 8(4):319-323. (note on endangered status, no locality data cited)

Type-locality: New York

Gomphus adelphus Selys 1857



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date

Gomphus consanguis Selys 1879

(Odonata: Anisoptera: Gomphidae)

- Selys-Longchamps, E. de. 1879. Revision des Ophiogomphus et descriptions de quatre nouvelles Gomphines Americaines. Compte rendu Societe Entomologique de Belgique 22:66. (original description)
- Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas, p. 94. (note on distribution)
- Gloyd, L. K. 1936. Three new North American species of Gomphinae (Odonata). Occasional Papers of the Museum of Zoology, University of Michigan, no. 326:1-5. (note on distribution, as rogersi, n. sp.)
- Klots, E. B. 1944. Gomphus consanguis Selys (Odonata). American Museum Novitates, no. 1258:1-5. (note on distribution)
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles. (note on distribution)
- Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. Odonatologica 8(4):319-323. (note on endangered status, no locality data cited)

Gomphus consanguis Selys 1879

Type-locality: North Carolina



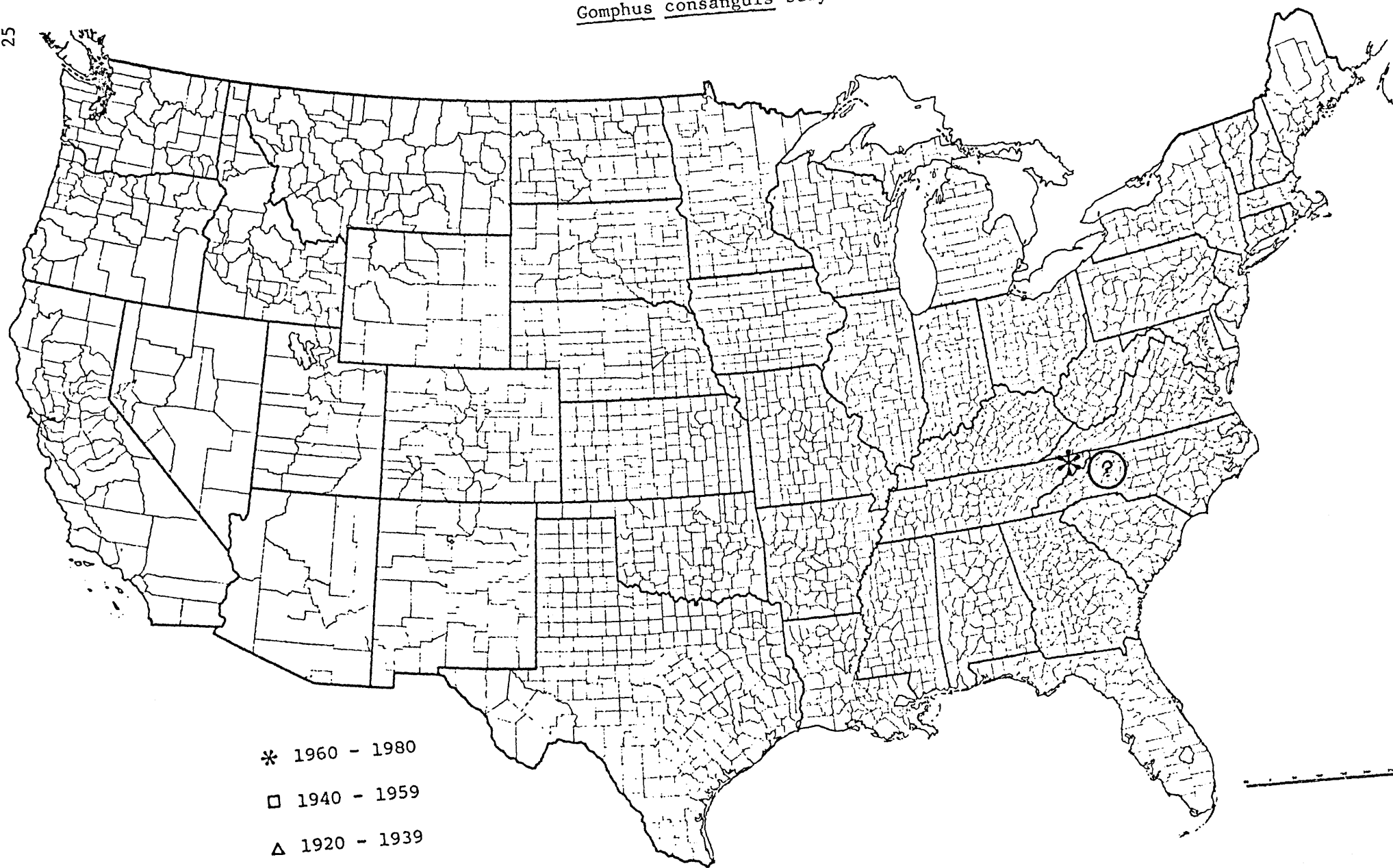
Gomphus consanguis Selys 1879

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Tennessee</u>			
Sullivan Co., Blountville, Fowler's Fish Hatchery	1966	2/1	USNM/CU
Sullivan Co., midway between Tri-Cities airport and Blountville, intersection of Adam's Chapel Road and Tenn. Hgwy. 37, small stream at Fowler's Fish Hatchery, 1600'	1960	1	CU

Gomphus consanguis Selys 1879

25



\* 1960 - 1980

□ 1940 - 1959

Δ 1920 - 1939

● before 1920

○ no date

Gomphus hodgei Needham 1950

(Odonata: Anisoptera: Gomphidae)

Needham, J. G. 1950. Three new species of North American dragonflies with notes on related species. Transactions of the American Entomological Society 76:1-12. (original description)

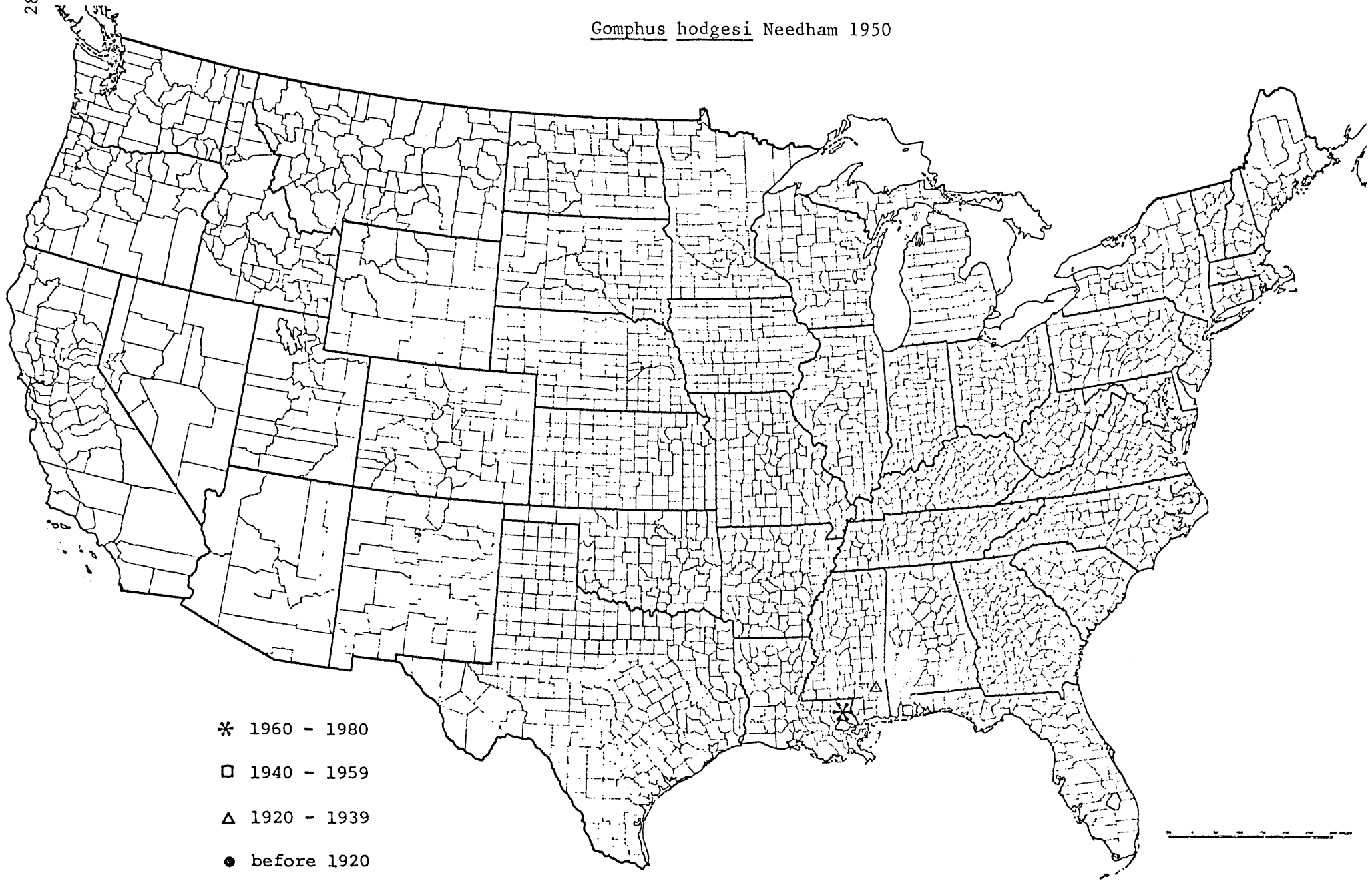
Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 215.

Type-locality: Baldwin County, Alabama, one mile south of Old Spanish Fort.

Gomphus hodgesi Needham 1950

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Louisiana</u>			
St. Tammany Parish, Talisheek	1964	1	USNM
<u>Mississippi</u>			
Clara	1932	1	CU

Gomphus hodgesi Needham 1950

Gomphus modestus Needham 1942

(Odonata: Anisoptera: Gomphidae)

Needham, J. G. 1942. Two new species of dragonflies collected by Mrs. Alice L. Dietrich in Mississippi. Canadian Entomologist 74:72  
(original description)

Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 195. (note on distribution)

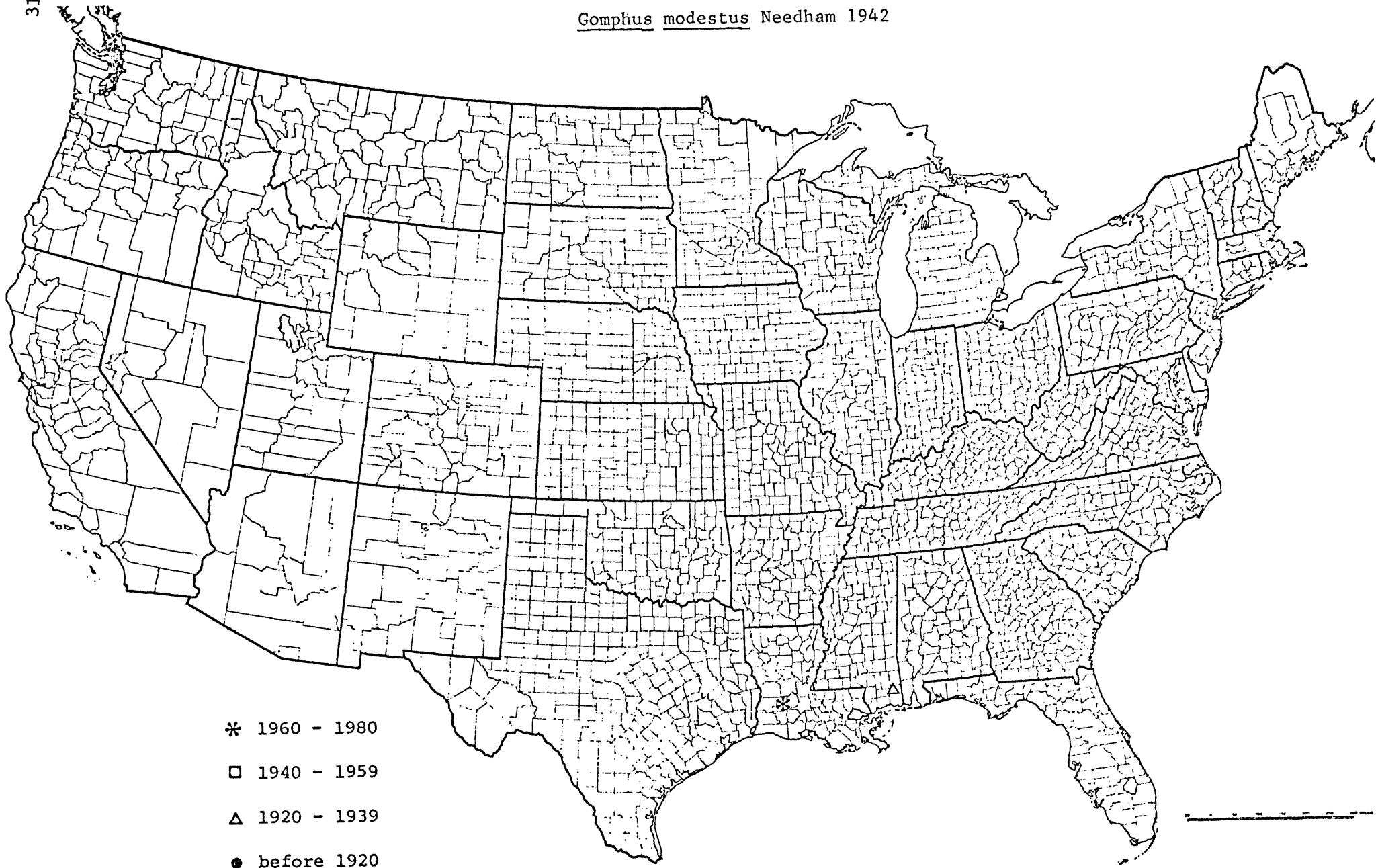
Type-locality: Lucedale, Mississippi

Gomphus modestus Needham 1942

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Louisiana</u>			
Allen Parish, Whiskey Chitto Creek at Hwy. #26	1970	1	USNM

Gomphus modestus Needham 1942



\* 1960 - 1980

□ 1940 - 1959

Δ 1920 - 1939

● before 1920

○ no date



Gomphus ozarkensis Westfall 1975

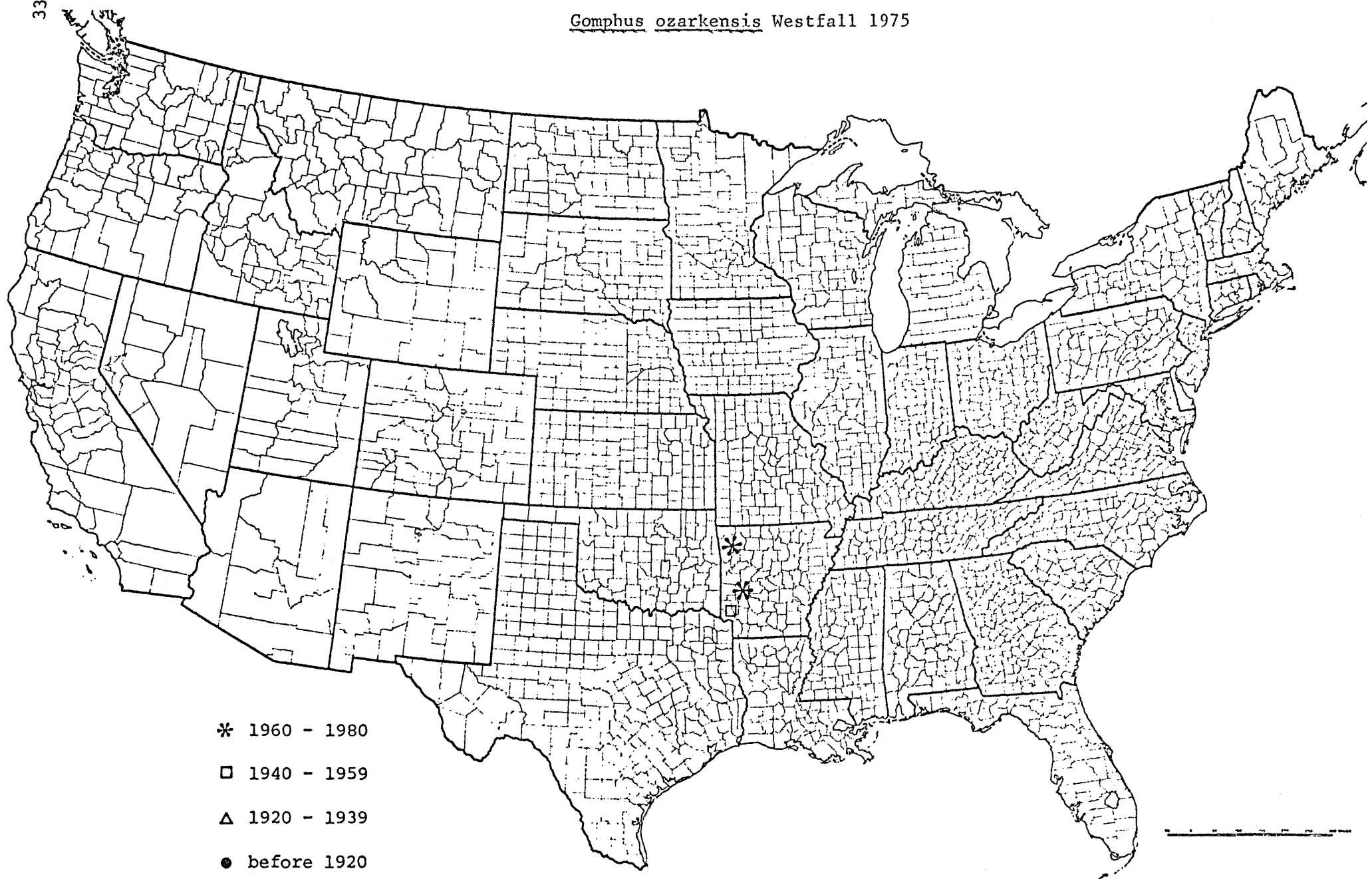
(Odonata: Anisoptera: Gomphidae)

Westfall, M. J. Jr. 1975. A new species of Gomphus from Arkansas  
(odonata: Gomphidae). The Florida Entomologist 58:91-95. (original  
description)

Type-locality: Arkansas, Washington Co., Devil's Den State Park

Note: No specimens seen; plots on map are from original description.

Gomphus ozarkensis Westfall 1975



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Gomphus rogersi Gloyd 1936

(Odonata: Anisoptera: Gomphidae)

- Gloyd, L. K., 1936. Three new North American species of Gomphinae (Odonata). Occasional Papers of the Museum of Zoology, University of Michigan 326:1-18. (original description)
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 187 (listed as synonym of G. consanguis Selys)
- Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. Odonatologica 8(4):319-323. (note on endangered status, no locality data cited)

Type-locality: Long Creek, Fentress County, Tennessee

Gomphus rogersi Gloyd 1936

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>North Carolina</u>			
Black Mtn., N. Fork Swannanoa	-	1	MCZ

Gomphus rogersi Gloyd 1936

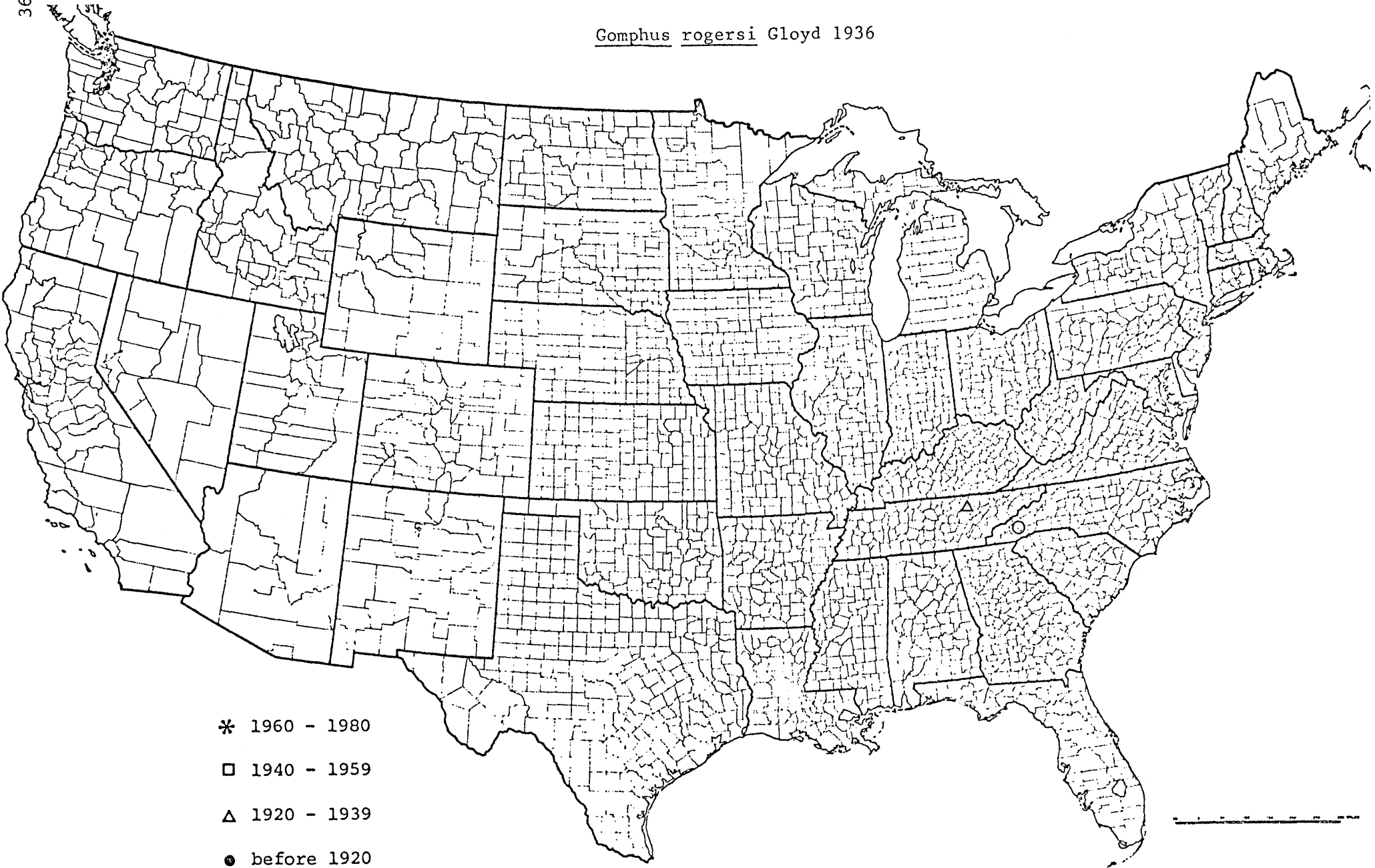
\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Gomphus septima Westfall 1956

(Odonata: Anisoptera: Gomphidae)

Westfall, M. J., Jr. 1956. A new species of Gomphus from Alabama (Odonata). Quarterly Journal of the Florida Academy of Sciences 19:253. (original description)

Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. Odonatologica 8(4):319-323. (note on endangered status, no locality data cited)

Type-locality: Warrior River above Blue Creek, Tuscalousa County,  
Alabama

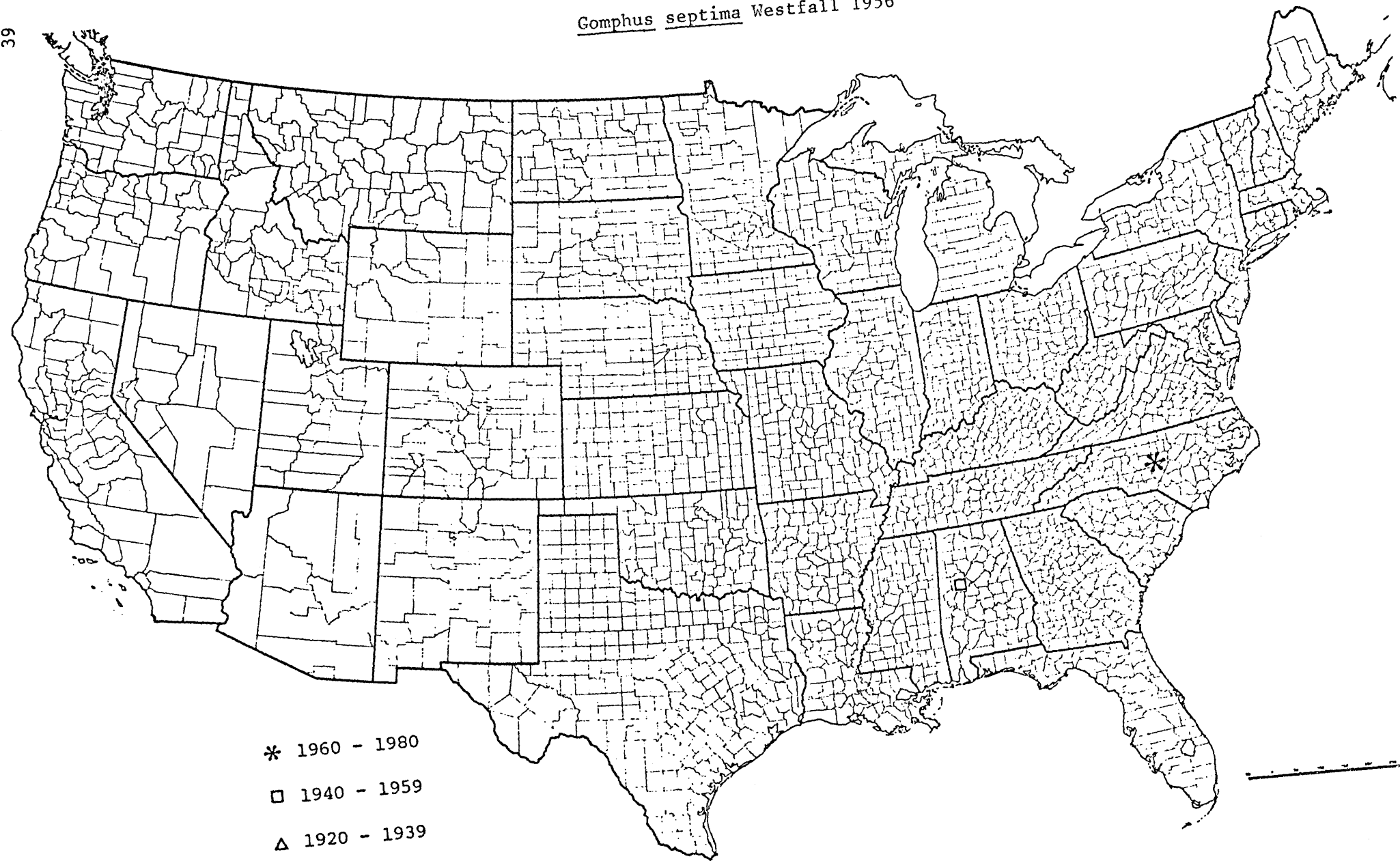
Gomphus septima Westfall 1956

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>North Carolina</u>			
Chatham Co., Rocky River	1970	2	USNM

Gomphus septima Westfall 1956

39



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Ischnura gemina (Kennedy) 1917

(Odonata: Zygoptera: Coenagrionidae)

Kennedy, C. H. 1917. Notes on the life history and ecology of the dragonflies (Odonata) of Central California and Nevada.

Proceedings of the United States National Museum 52:491.

(original description)

Smith, R. G. and A. E. Pritchard. 1956. Odonata. In, Usinger,

Ed., Aquatic insects of California with keys to North American genera and California species. University of California Press,

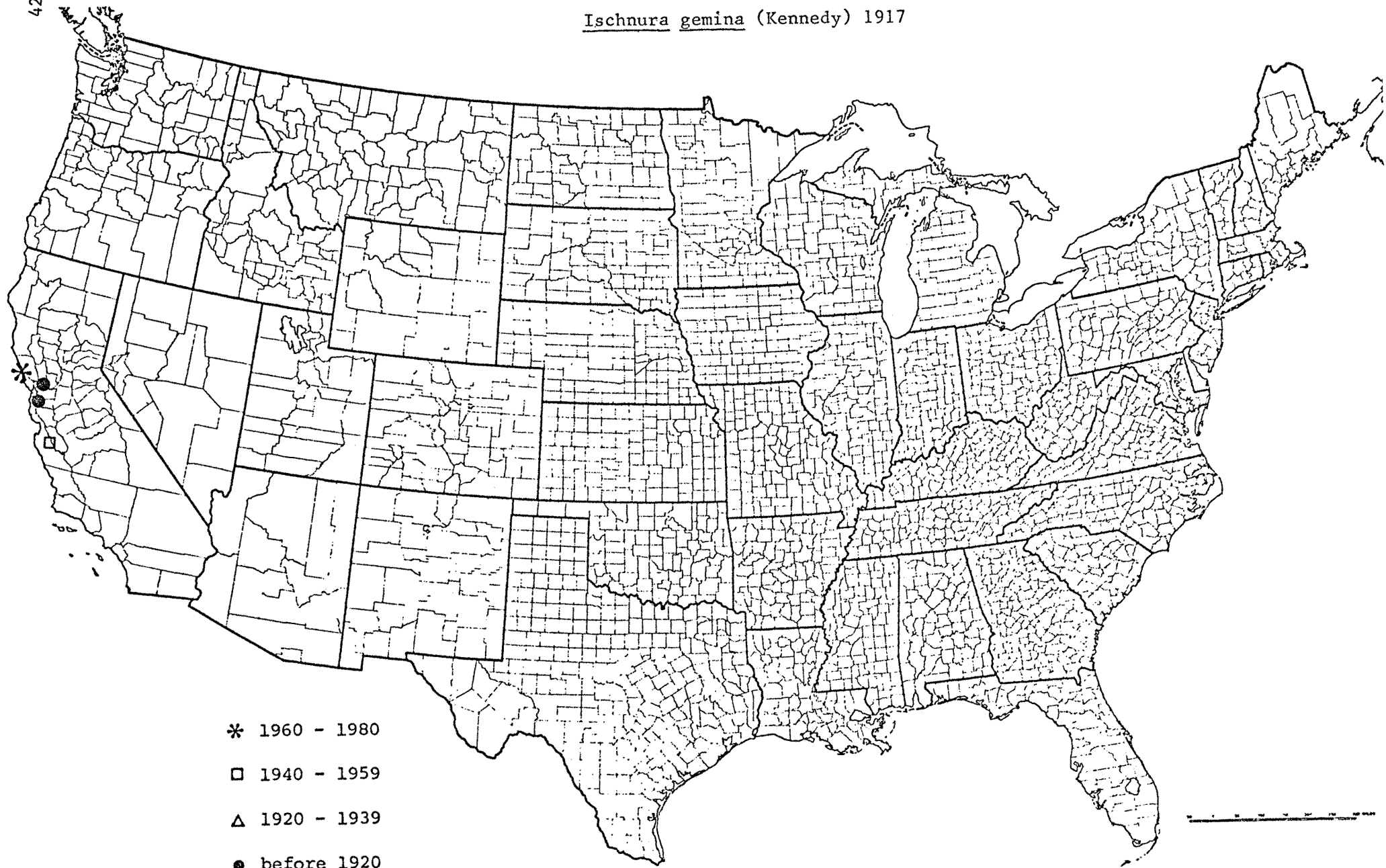
Berkeley and Los Angeles, p. 150. (in key)

Type-locality: Coyote Creek, San Jose, Santa Clara County, California

Ischnura gemina (Kennedy) 1917

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Monterey Co., Salinas River	1946	2	USNM
Sonoma Co., Bodega Head	1961	2	INHS
Baden	1897	24	MCZ
San Mateo	-	3	MCZ
Santa Cruz	1919	1	CAS
San Francisco	1910	1	CAS
So. San Francisco	1915	3	CIS
Berkeley	1914	1	CIS

Ischnura gemina (Kennedy) 1917

Macromia margarita Westfall 1947

(Odonata: Anisoptera: Libellulidae)

Westfall, M. J. Jr. 1947. A new Macromia from North Carolina.

Journal of the Elisha Mitchell Scientific Society 63:32-36.

(original description)

Carle, F. L. 1979. Environmental monitoring potential of the Odonata,

with a list of rare and endangered Anisoptera of Virginia,

United States. Odonatologica 8(4):319-323. (note on endangered

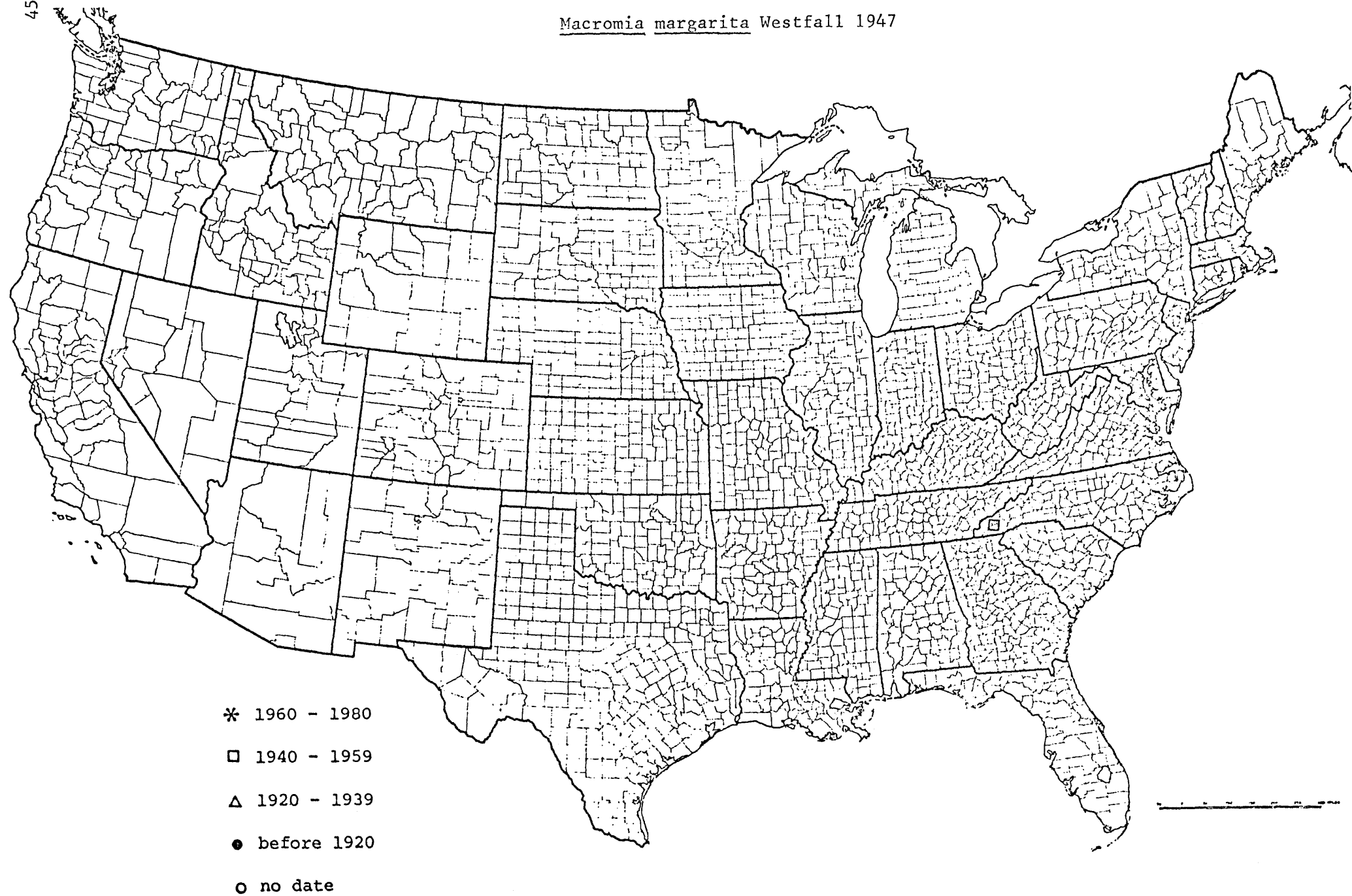
status, no locality data cited)

Type-locality: Little River near Brevard, North Carolina

Macromia margarita Westfall 1947

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>North Carolina</u>			
Little River nr. Brevard (holotype and allotype)	1941	2	CU

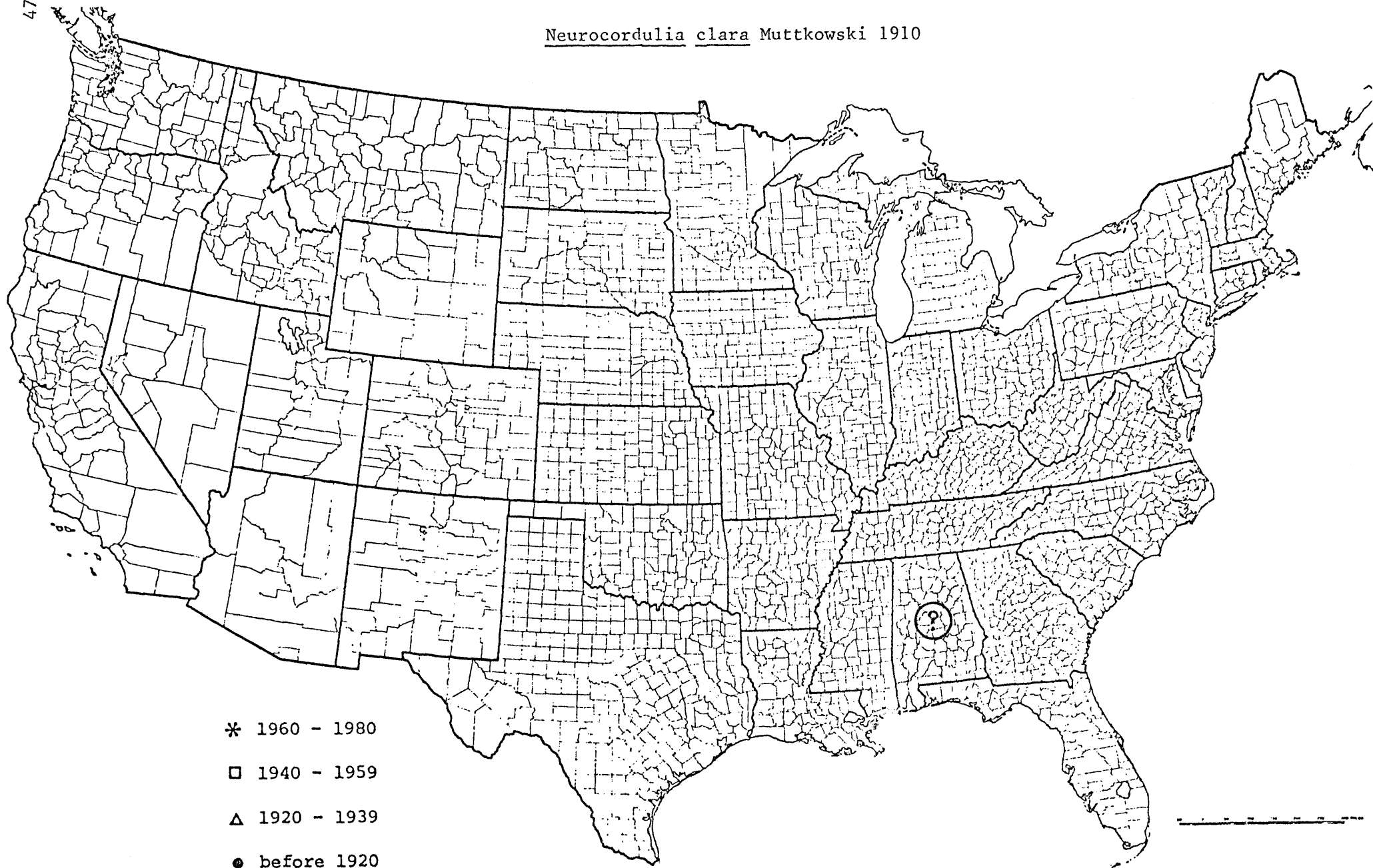
Macromia margarita Westfall 1947

Neurocordulia clara Muttkowski 1910

(Odonata: Anisoptera: Cordulidae)

- Muttkowski, R. A. 1910. Miscellaneous notes and records of dragonflies (Odonata). Bulletin of the Wisconsin Natural History Society 8:170. (original description; N. obsoleta clara)
- Davis, W. T. 1929. Notes on dragonflies of the genus Neurocordulia. Journal of the New York Entomological Society 37:449. (elevates clara to species; no new locality data)
- Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas. (consider clara a variety of obsoleta)
- Byers, C. F. 1937. A review of the dragonflies of the genera Neurocordulia and Platycordulia. Miscellaneous Publications of the Museum of Zoology, University of Michigan 36:17 (no new data; "if it be a species")
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 357. (notes on taxonomy and distribution)
- Type-locality: "Described from one female labelled Alabama in the Brooklyn Institute."

Neurocordulia clara Muttkowski 1910



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Ophiogomphus carolinus Hagen 1885

(Odonata: Anisoptera: Gomphidae)

Hagen, H. A. 1885. Monograph of the earlier stages of the Odonata.

Transactions of the American Entomological Society 12:258.

(original description)

Needham, J. G. 1899. Ophiogomphus. Canadian Entomologist 31:235.

(note on taxonomy, distribution and type-locality fixed)

Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas, p. 72.

(note on distribution)

Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies

of North America (Anisoptera). University of California Press,

Berkeley and Los Angeles, p. 126. (note on distribution)

Carle, F. L. 1979. Environmental monitoring potential of the Odonata,

with a list of rare and endangered Anisoptera of Virginia,

United States. Odonatologica 8(4):319-323. (note on rare status,

no locality data cited)

Type-locality North Carolina (fixed by Needham, 1899)

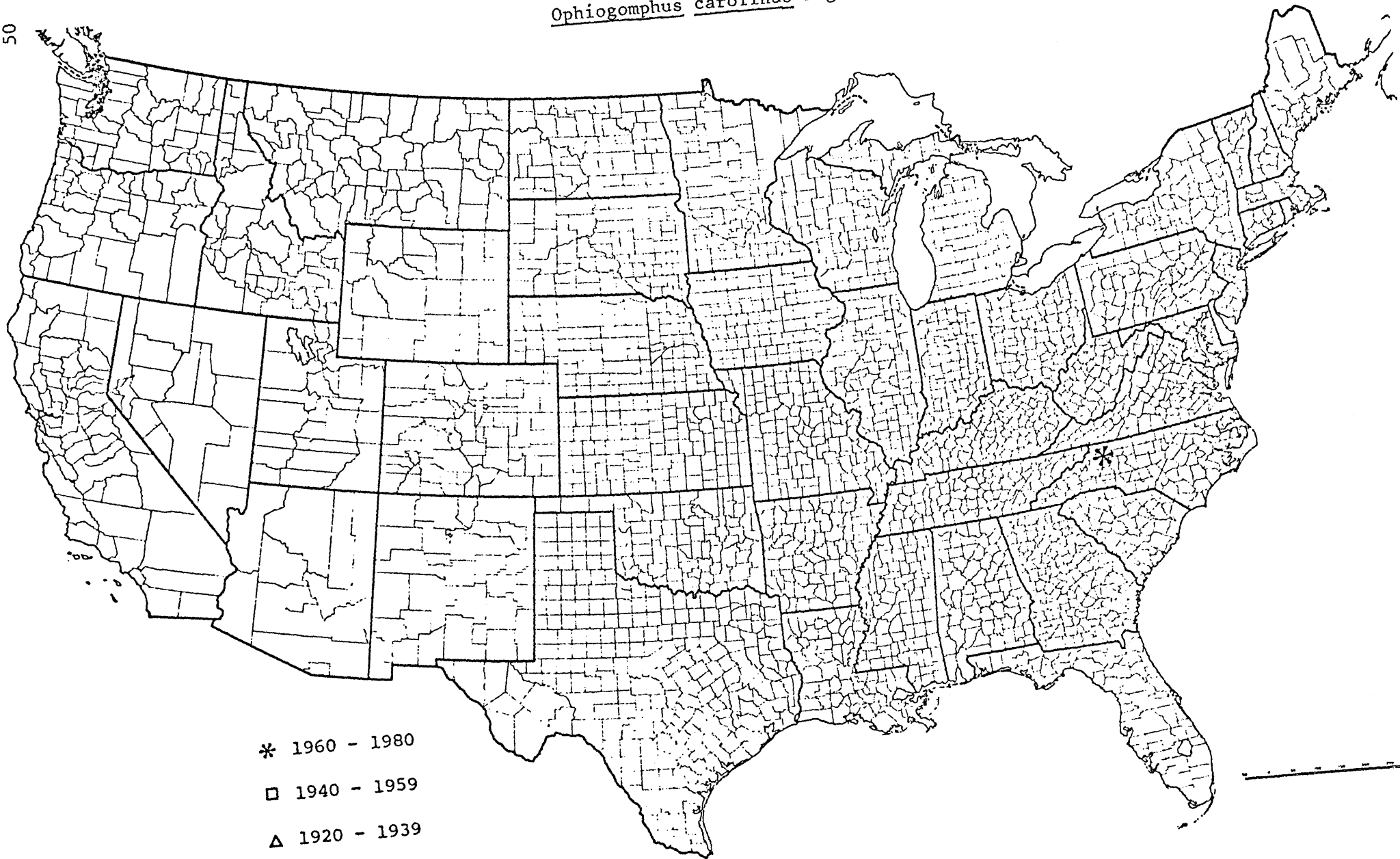
Ophiogomphus carolinus Hagen 1885

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>North Carolina</u>			
Wilkes Co., Lewis Fork Creek	1967	1	USNM
No data	-	3	MCZ

Ophiogomphus carolinus Hagen 1885

50



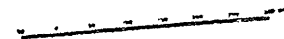
\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Ophiogomphus edmodo Needham 1951

(Odonata: Anisoptera: Gomphidae)

Needham, J. G. 1951. A new species of Ophiogomphus (Odonata).

Entomological News 62:41-43. (original description)

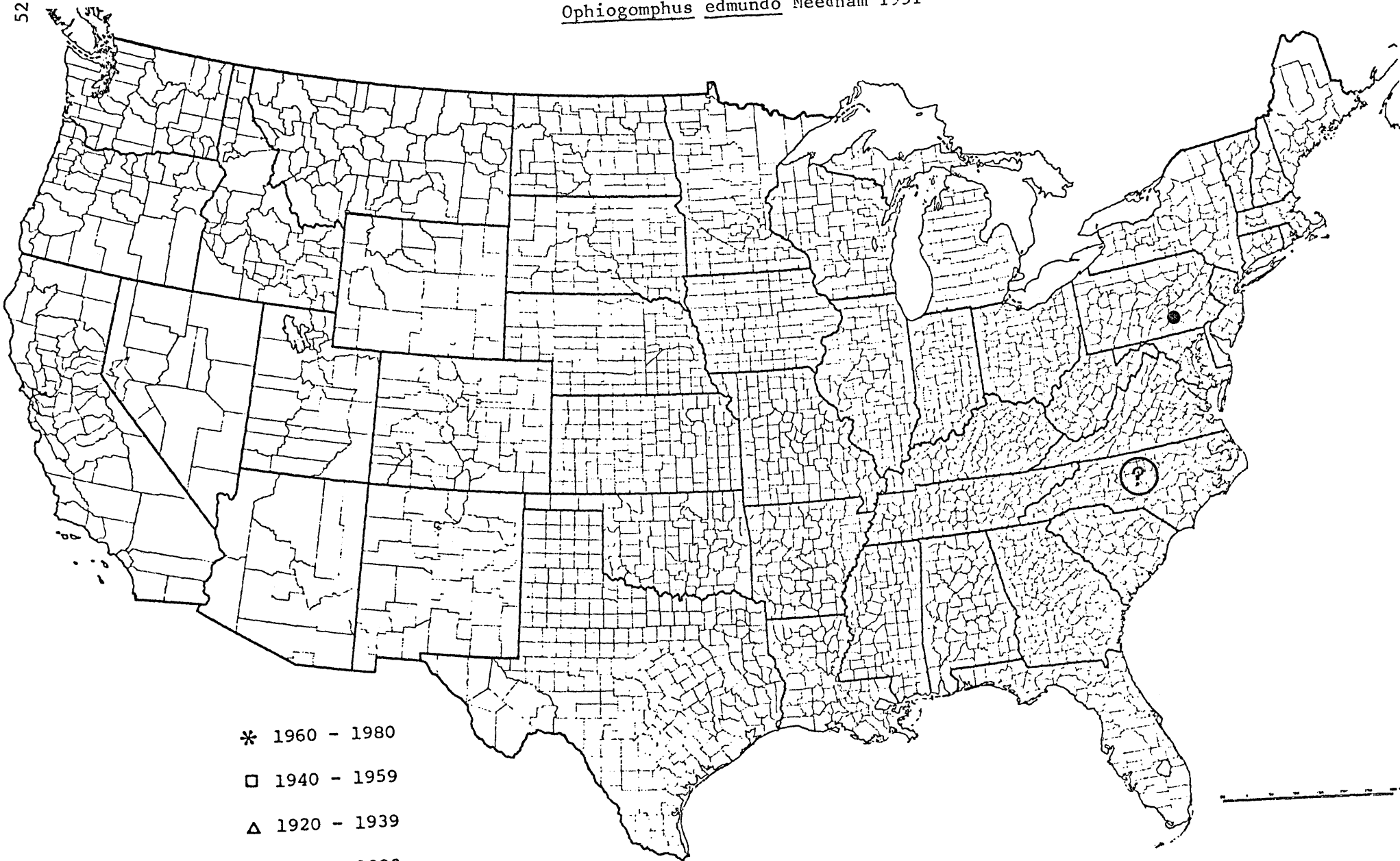
Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 129.

(note on distribution)

Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. Odonatologica 8(4):319-323. (note on endangered status, no locality data cited)

Type-locality: North Carolina

Note: No specimens seen; plots on map are from original description.



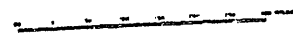
\* 1960 - 1980

□ 1940 - 1959

Δ 1920 - 1939

● before 1920

○ no date



Ophiogomphus howei Bromley 1924

(Odonata: Anisoptera: Gomphidae)

Bromley, S. W. 1924. A new Ophiogomphus (Aeschnidae: Odonata) from  
Massachusetts. Entomological News 35:345. (original description)

Garman, P. 1927. Guide to the insects of Connecticut: Part V, The  
Odonata or Dragonflies of Connecticut. Bulletin of the  
State Geological and Natural History Survey of Connecticut  
39:135. (note on distribution)

Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies  
of North America. Springfield, Illinois, C. C. Thomas, p. 76.  
(note on distribution)

Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies  
of North America (Anisoptera). University of California Press,  
Berkeley and Los Angeles, p. 131. (note on distribution)

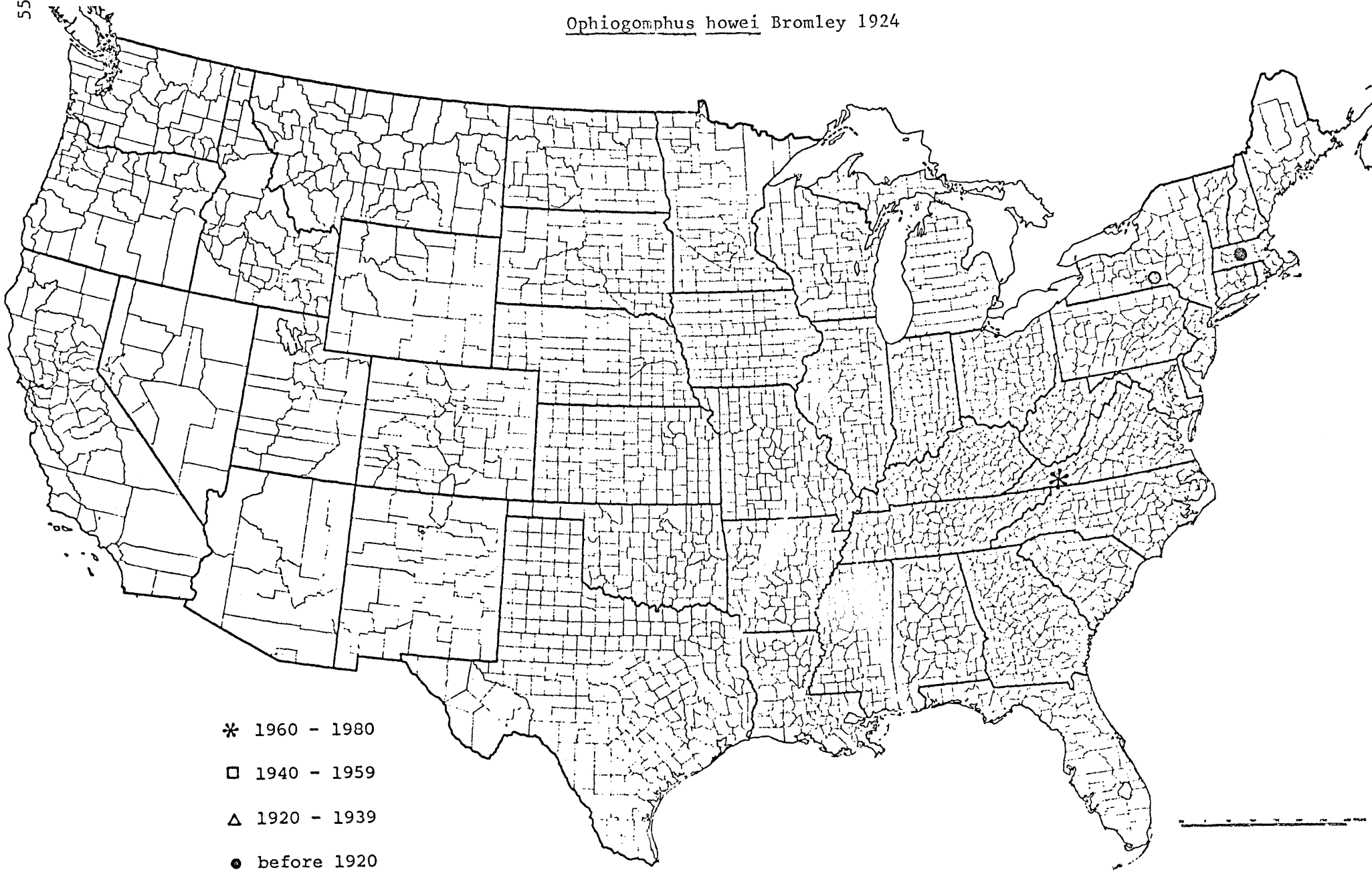
Type-locality: Amherst, Massachusetts

Ophiogomphus howei Bromley 1924

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>New York</u>			
Binghamton	-	1	MCZ
<u>Virginia</u>			
Grayson Co., New River, 1 mi. downstream from Rt. 58 bridge	1977	4 adults 8 larvae	USNM

Ophiogomphus howei Bromley 1924





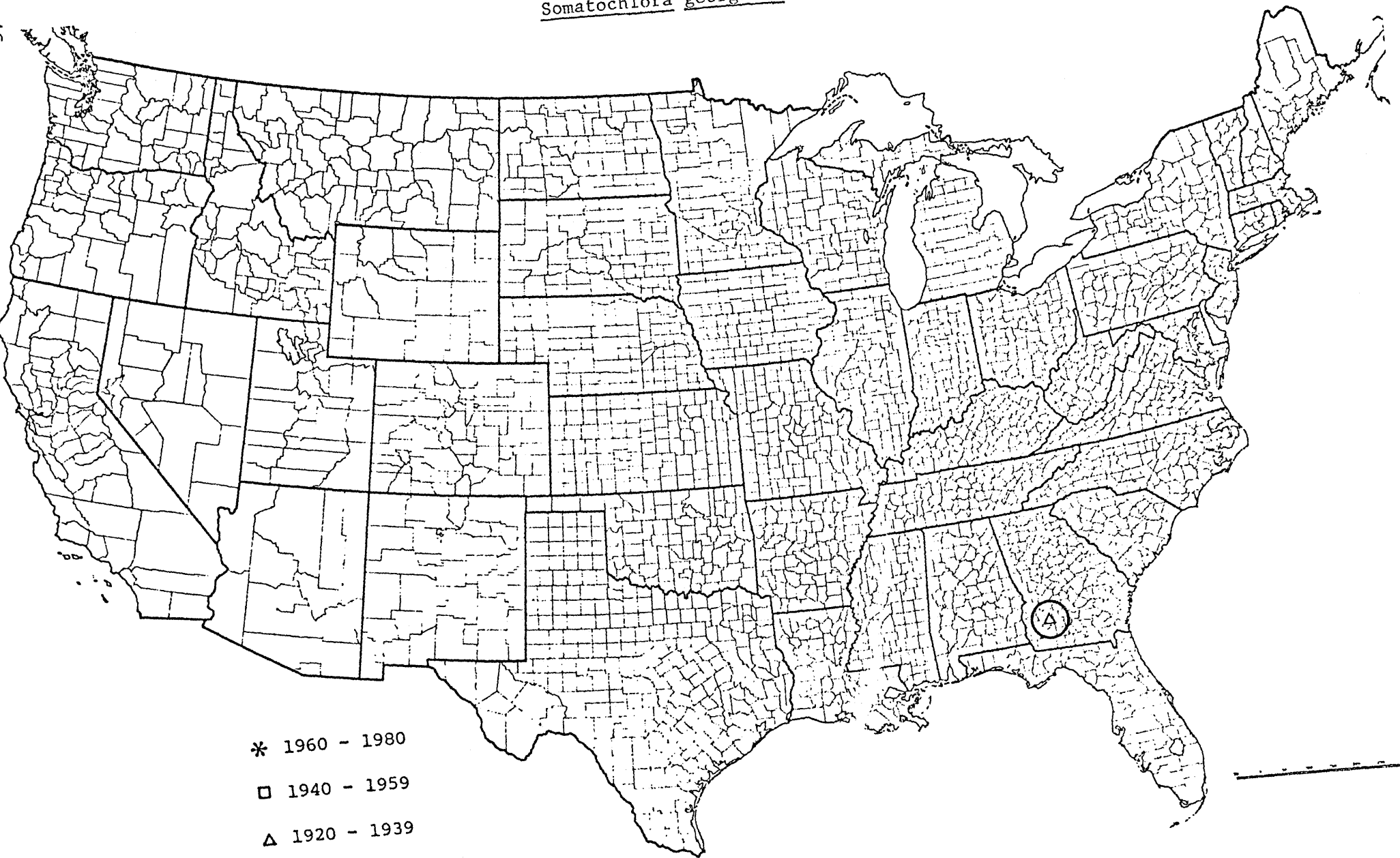
Somatochlora georgiana Walker 1925

(Odonata: Anisoptera: Cordulidae)

- Root, F. M. 1924. Notes on dragonflies (Odonata) from Lee County, Georgia, with a description of Enallagma dubium n. sp. Entomological News 35:320. (distribution-Somatochlora sp.?)
- Walker, E. M. 1925. The North American dragonflies of the genus Somatochlora. University of Toronto Studies, Biological Series 26. (original description)
- Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas, p. 186. (notes on distribution)
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 399. (notes on distribution)
- Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. Odonatologica 8(4):319-323. (note on rare status, no locality data cited)

Type-locality: Leesburg, Georgia

*Somatochlora georgiana* Walker 1925



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date

Somatochlora hineana Williamson 1931

(Odonata: Anisoptera: Cordulidae)

Williamson, E. B. 1931. A new North American Somatochlora (Odonata-Cordulinae). Occasional Papers of the Museum of Zoology, University of Michigan 225:1-8. (original description)

Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 399. (notes on distribution)

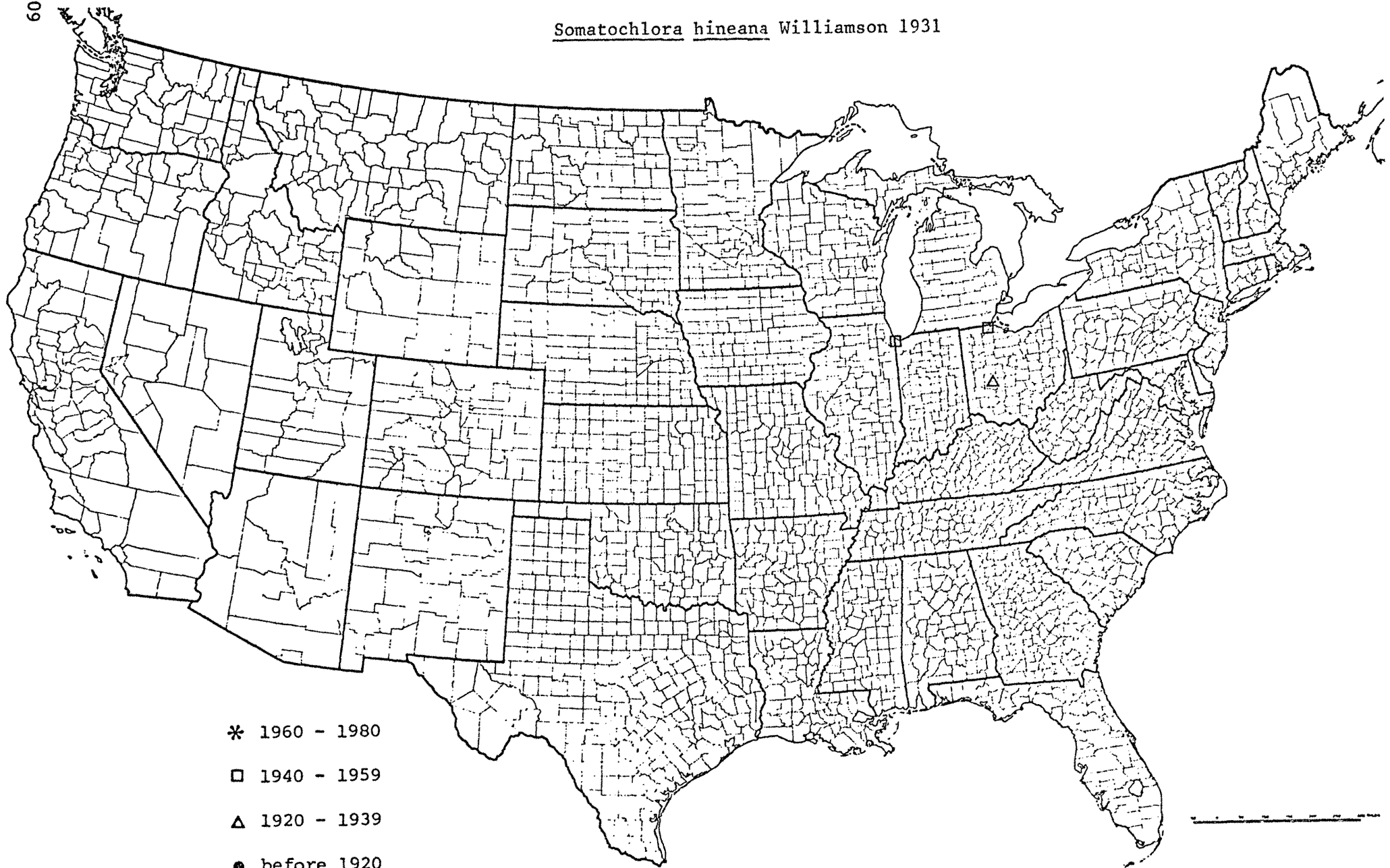
Type-locality: "...along dredged channel of North Fork of Little Miami River, near Indian Lake, Logan County, Ohio."

Somatochlora hineana Williamson 1931

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Indiana</u>			
Gary	1945	1	USNM
<u>Ohio</u>			
Lucas Co., Oak Openings	1952	1	USNM
Lucas Co., Oak Openings	1952	2	ANSP

Somatochlora hineana Williamson 1931



Somatochlora ozarkensis Bird 1933

(Odonata: Anisoptera: Cordulidae)

Bird, R. D. 1933. Somatochlora ozarkensis, a new species from Oklahoma (Odonata-Cordulinae). Occasional Papers of the Museum of Zoology, University of Michigan 261:1-7. (original description)

Williamson, E. B. and L. K. Gloyd. 1933. A new Somatochlora from Florida (Odonata-Cordulinae). Occasional Papers of the Museum of Zoology, University of Michigan 262:1,5. (notes on distribution)

Pritchard, A. E. 1936. Notes on Somatochlora ozarkensis Bird. (Odonata, Libellulidae, Corduliinae). Entomological News 47:99. (notes on biology and distribution)

Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 405. (notes on distribution)

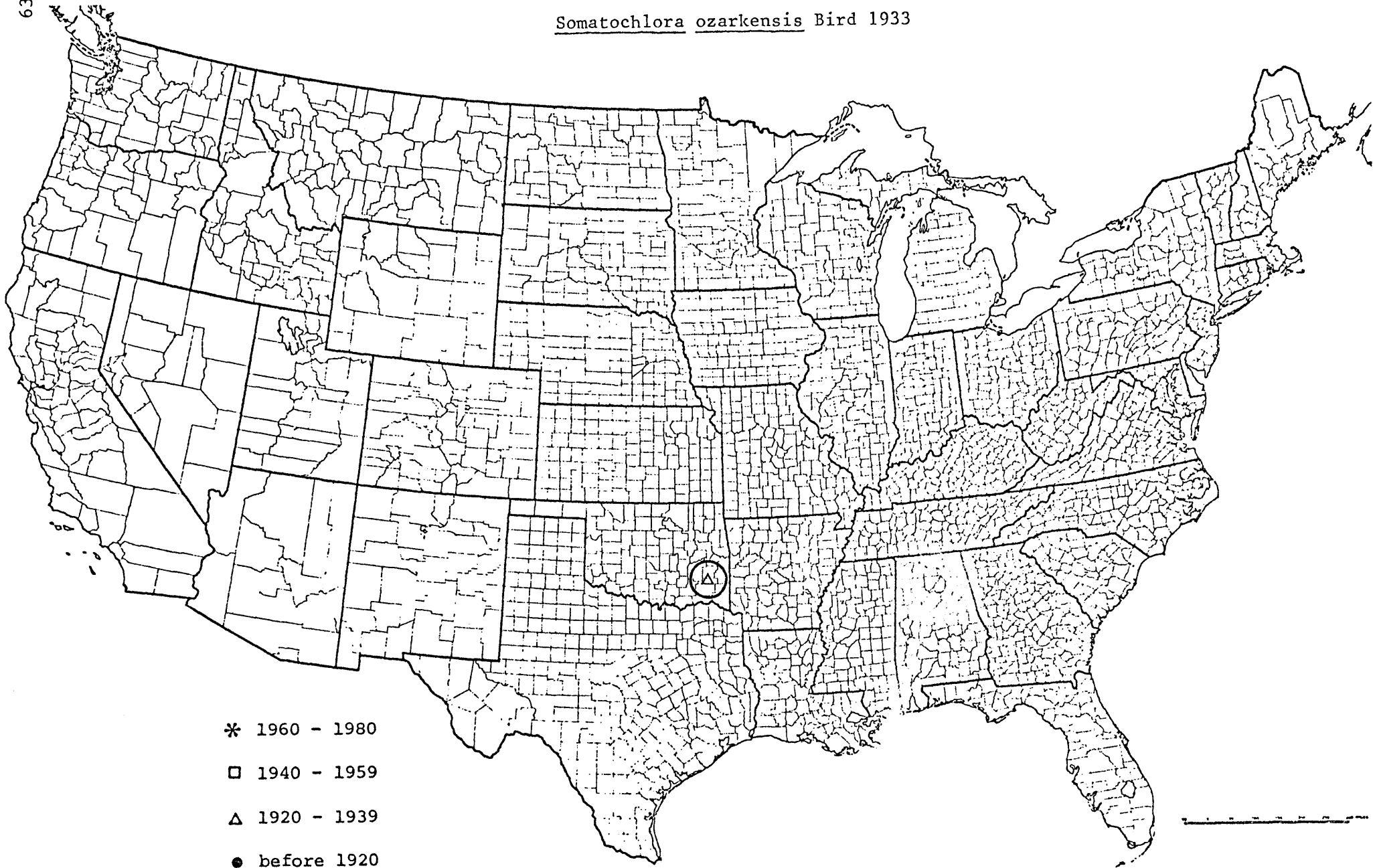
Type-locality: Cunneotubby Creek, two and one-half miles northwest of Wilburton, Latimer County, Oklahoma.

Somatochlora ozarkensis Bird 1933

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Oklahoma</u>			
Wilburton	1931	1	USNM
Page	1934	2	ANSP
Wilburton	-	1	MCZ
Wilburton	1934	2	CU

Somatochlora ozarkensis Bird 1933



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Tachopteryx thoreyi Hagen 1857

(Odonata: Anisoptera: Libellulidae)

- Hagen, H. A. 1857. Tachopteryx thoreyi. In., Selys, Monographie des Gomphines. Brussels and Leipzig, Nuquardt; Paris, Roret, p. 373. (original description)
- Hagen, H. A. 1861. Synopsis of the Neuroptera of North America. Washington, Smithsonian Institution, p. 117. (note on distribution)
- Williamson, E. B. 1900. On the habits of Tachopteryx Thoreyi (Order Odonata). Entomological News 11:398. (notes on habitat and distribution)
- Williamson, E. B. 1901. On the manner of oviposition and on the nymph of Tachopteryx thoreyi. Entomological News 12:1-3. (biology)
- Kennedy, C. H. 1917. Notes on the life history and ecology of the dragon flies (Odonata) of central California and Nevada. United States National Museum 52:513. (biology)
- Garman, P. 1927. Guide to the insects of Connecticut: Part V, The Odonata or dragonflies of Connecticut. Bulletin of the State Geological and Natural History Survey of Connecticut 39:116. (note on distribution)
- Needham, J. G. and H. B. Heywood. 1929. A handbook of the dragonflies of North America. Springfield, Illinois, C. C. Thomas, p. 55. (biology)
- Byers, C. F. 1930. A contribution to the knowledge of Florida Odonata. University of Florida Publications, Biological Sciences Series 1:42, 242. (note on distribution)

- Fisher, E. G. 1940. A list of Maryland Odonata. *Entomological News* 51:39. (note on distribution)
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 72. (biology, distribution)
- Donnelly, T. W. 1961. The Odonata of Washington, D. C. and vicinity. *Proceedings of the Entomological Society of Washington* 63:1-13. (notes on distribution)
- Carle, F. L. 1979. Environmental monitoring potential of the Odonata, with a list of rare and endangered Anisoptera of Virginia, United States. *Odonatologica* 8(4):319-323. (note on local distribution)

Type-locality: New York

Tachopteryx thoreyi Hagen 1857

## LOCALITY DATA

<u>Locality</u>	<u>Date</u>	<u>Number of Specimens</u>	<u>Depository</u>
<u>Florida</u>			
Alachua County, NW Gainesville	1976	1	WUB
Alachua County, Seep in NW Gainesville	1978	1(nymph)	WUB
<u>Georgia</u>			
Rockmart, 4.5 mi. E., small branch in woods	1946	1	CU
<u>Maryland</u>			
Great Falls	1907	1	USNM
Beltsville	1913	2	USNM
Plummers Island	1908	1	USNM
Beltsville	1910	4	USNM
<u>New Jersey</u>			
No data	-	1	AMNH
<u>New York</u>			
West Point	1917	1	USNM
Watkins	1925	1	CU
Ithaca, Coy Glen	1917	1	CU
Ithaca, Coy Glen	1938	7	CU
Ithaca, Coy Glen	1947	1	CU
<u>North Carolina</u>			
Brevard	1941	2	USNM
No data	-	2	CU

Tachopteryx thoreyi Hagen 1857North Carolina

Brevard	1939/44	3/1	CU
Valley of Black Mtns.	1906	2	AMNH
Transylvania Co., small falls off bluff into roadside ditch along road following North Fork of French Broad River, approx. 5 mi. NNW of Rosman; among dead leaves	1974	1(nymph)	WUB

Pennsylvania

Linglestown	1914	1	USNM
Ohio Pyle	1900	1	USNM
Pittsburgh	1899	1	CU

Texas

San Jacinto Co.	1977	1	WUB
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Virginia

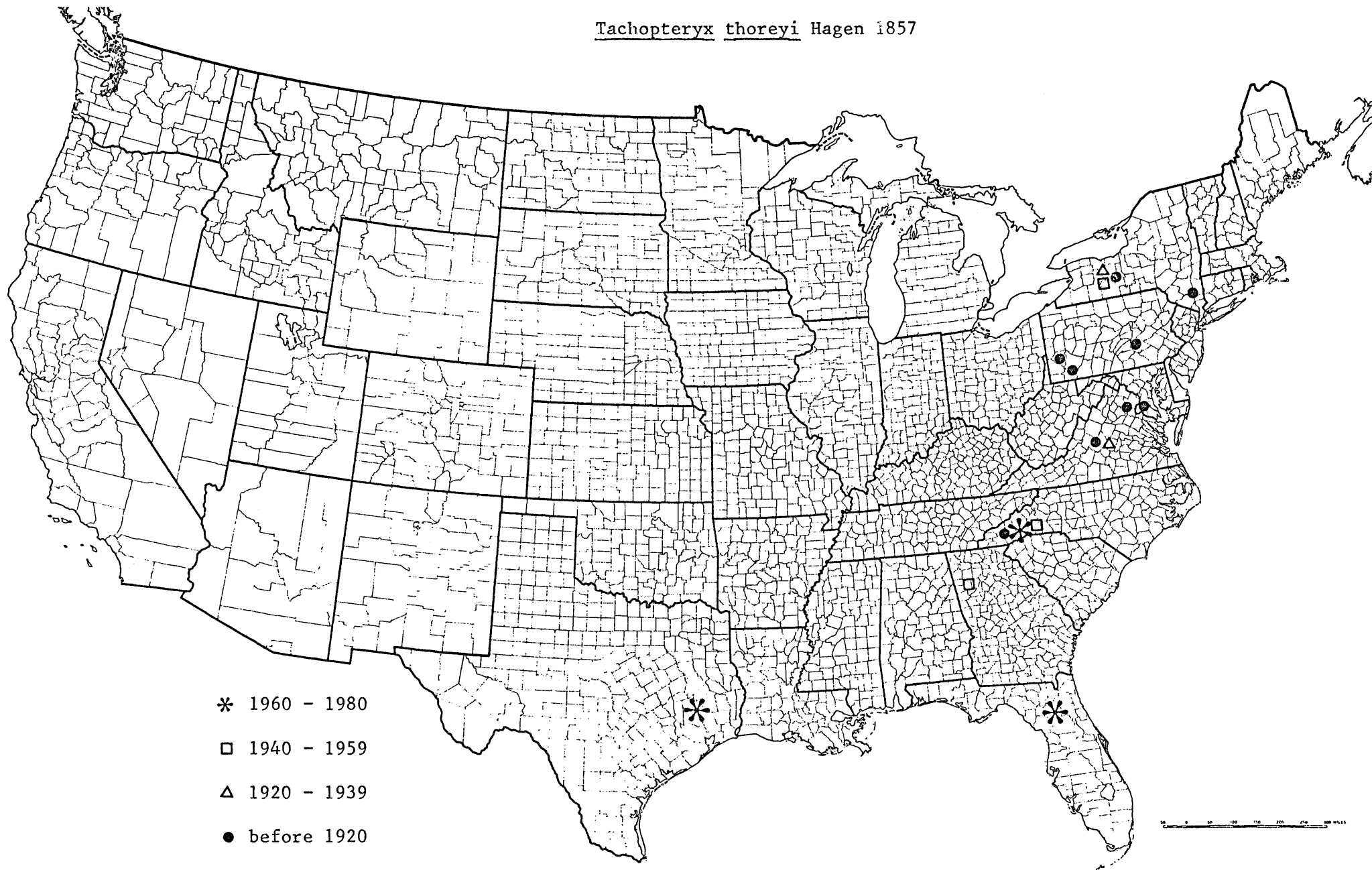
Nelson County	1917-19	3	USNM
Nelson County	1923-28	4	USNM
Great Falls	1914	1	USNM
Colchester	1923	1	USNM
Potomac Run	1916	1	USNM

Washington, D.C.

Rock Creek Park	1898	1	USNM
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NOTES

Two specimens in CU have data "Camp Toreya, Florida". This locality has not been located on maps.

Tachopteryx thoreyi Hagen 1857

Williamsonia lintneri (Hagen) 1878

(Odonata: Anisoptera: Cordulidae)

- Hagen, H. A. 1878. Cordulia lintneri. In, Selys, Secondes Additions au Synopsis des Cordulines. Bulletin de l'Academie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique (2)45:187. (original description)
- Hagen, H. A. 1890. Descriptions of some North American Cordulina. Psyche 5:371. (notes on distribution)
- Davis, W. T. 1913. Williamsonia, a new genus of dragonflies from North America. Bulletin of the Brooklyn Entomological Society 8:93. (note on distribution)
- Howe, R. H. 1923. Williamsonia lintneri (Hagen), its history and distribution. Psyche 30:222-225. (lists distribution records; notes on habitat)
- Williamson, E. B. 1923. A new species of Williamsonia. Canadian Entomologist 55:98. (notes on distribution)
- Davis, E. M. 1940. Dragonfly collecting in eastern Massachusetts: 1939 (Odonata). 1940. Entomological News 51:61. (notes on distribution)
- Montgomery, B. E. 1943. Williamsonia fletcheri Williamson (Odonata: Cordulidae) from New England. Entomological News 54:1-4. (note on distribution)
- Needham, J. G. and M. J. Westfall, Jr. 1955. A manual of the dragonflies of North America (Anisoptera). University of California Press, Berkeley and Los Angeles, p. 421. (note on distribution)

Type-locality: Albany, New York

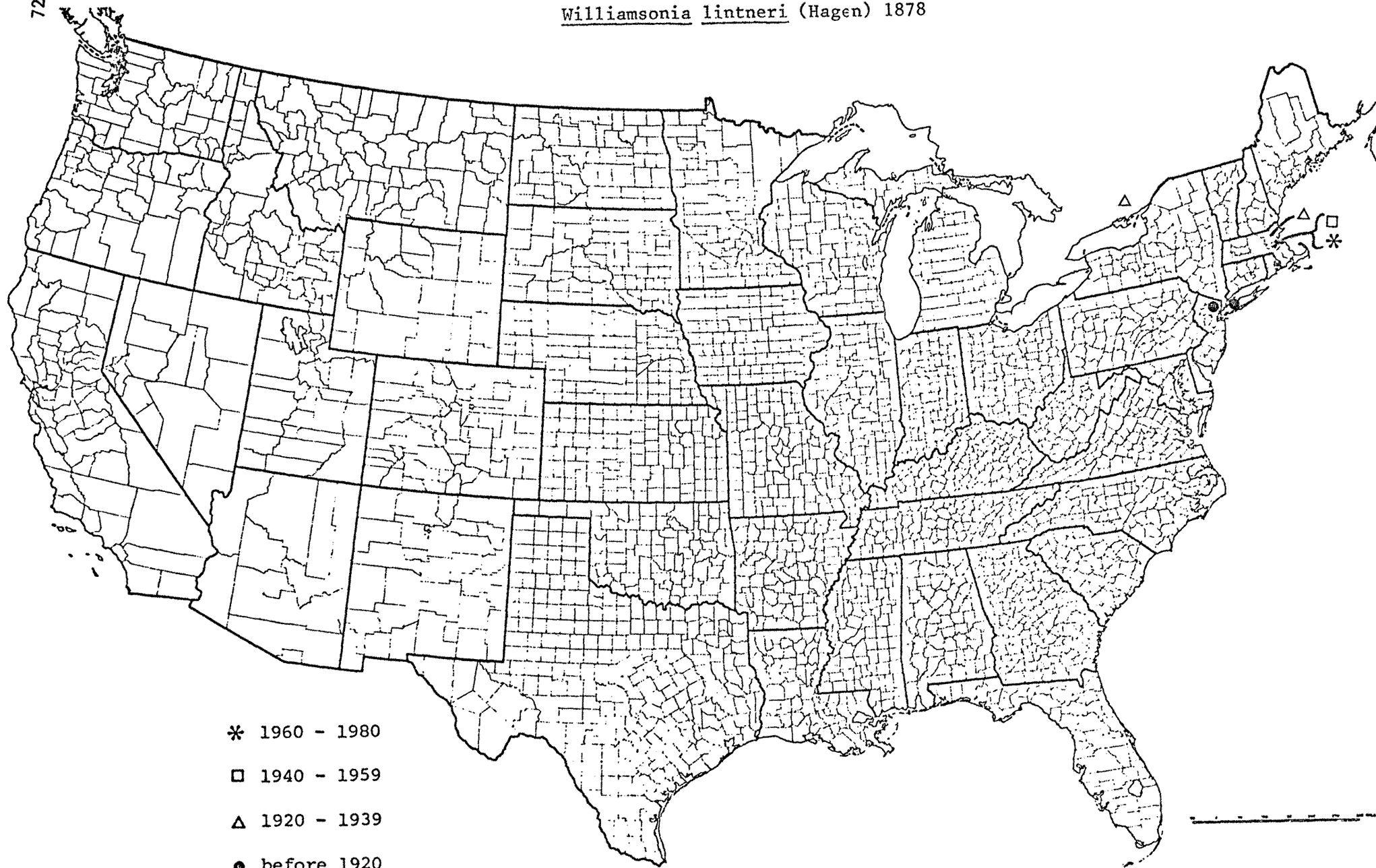
Williamsonia lintneri (Hagen) 1878

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Massachusetts</u>			
Milt., Blue Hills	1942	1	USNM
Norfolk Co., Blue Hills Reservation, Milton, Ponkapoag Pond	1968	2	USNM
Stoneham	1923	1	CU
Stony Brook	-	1	MCZ
Blue Hills	1925	9	MCZ
No data	-	1	MCZ
<u>New Jersey</u>			
Paterson	1904	1	AMNH
<u>Canada</u>			
<u>Ontario</u>			
Mer Bleue	1925	1	AMNH



Williamsonia lintneri (Hagen) 1878



Boloria napaea halli Klots 1940

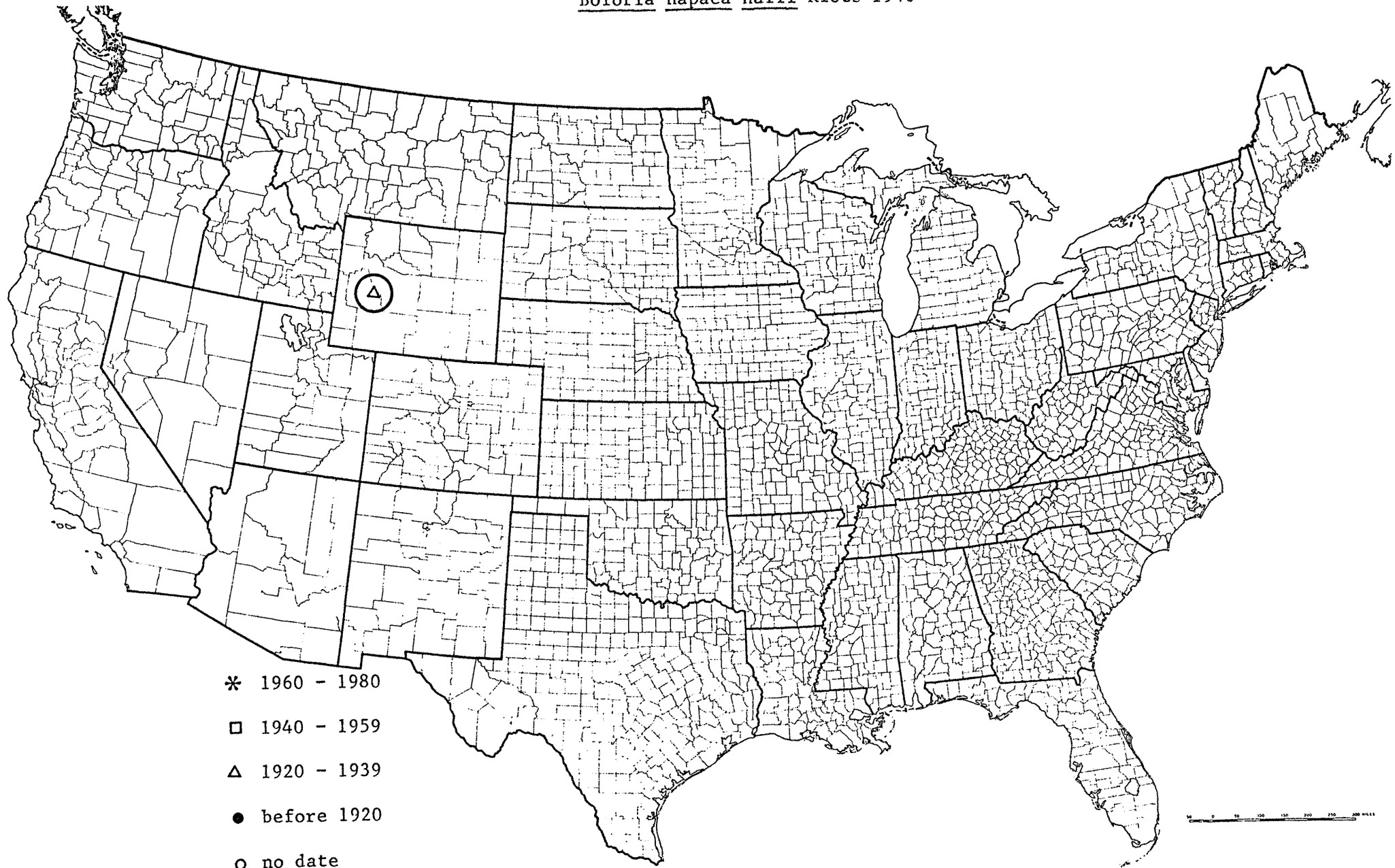
(Lepidoptera: Nymphalidae: Argynninae)

Klots, A. B. 1940. New butterfly subspecies from Wyoming. American Museum Novitates, no. 1054. (original description and notes on habitat)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 244. (notes on habitat and distribution)

Type-locality: "vicinity of Green River Pass, Wind River Range, Sublette Co., Wyoming"

Boloria napaea halli Klots 1940



Catocala marmorata Edwards 1864  
(Lepidoptera: Noctuidae: Catocalinae)

Edwards, W. H. 1864. Descriptions of certain species of Catocala,  
found within the United States. Proceedings of the Entomological  
Society of Philadelphia 2:508. (original description)

Holland, W. J. 1903. The moth book. Doubleday, Page and Co., New  
York, p. 263. (note on distribution)

Type-locality: Yreka, California

Catocala marmorata Edwards 1864

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Illinois</u>			
Chicago	1899	1	FMNH
Cook Co., Wilmette	1899	1	FMNH
Evanston	1896	1	FMNH
Chicago	-	1	CMNH
Chicago	1901	1	INHS
<u>Indiana</u>			
Evansville	1923	4	USNM
<u>Kentucky</u>			
No data	1906	2	USNM
No data	-	1	ASP
Logan Co.	-	5	AMNH
Louisville	1904	2	AMNH
Lexington	-	1	CMNH
Louisville	-	2	CAS
<u>Missouri</u>			
St. Louis	1904/06	1/1	FMNH
Louisiana	1907	1	CAS
<u>New Jersey</u>			
No data	-	1	AMNH

Catocala marmorata Edwards 1864New Jersey

Bayonne	-	2	MCZ
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New York

No data	-	1	USNM
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N.Y. City, West Farms	-	1	AMNH
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New Windsor	1872	1	AMNH
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Woodmere	1932	1	MCZ
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No data	-	2	CU
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North Carolina

Ashville	1907	1	FMNH
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Fontana	-	1	CMNH
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Swain Co., Fontana	1951	4	CMNH
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Brevard	1940	1	CU
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Pennsylvania

New Brighton	1899	1	USNM
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Pittsburgh	1928	1	CMNH
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Vermont

Manchester	1883	1	USNM
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Virginia

Montgomery Co.	1902	15	USNM
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Montgomery Co.	-	2	LACM
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Montgomery Co.	-	2	AMNH
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No data	-	3	AMNH
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Amherst	1936	8	CMNH
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Catocala marmorata Edwards 1864Virginia

Amherst	1936	8	CMNH
Richmond	1912	2	CMNH
Montgomery Co.	-	1	CMNH
Montgomery Co.	-	1	CAS
Amherst Co., Amherst	1937	12	CMNH

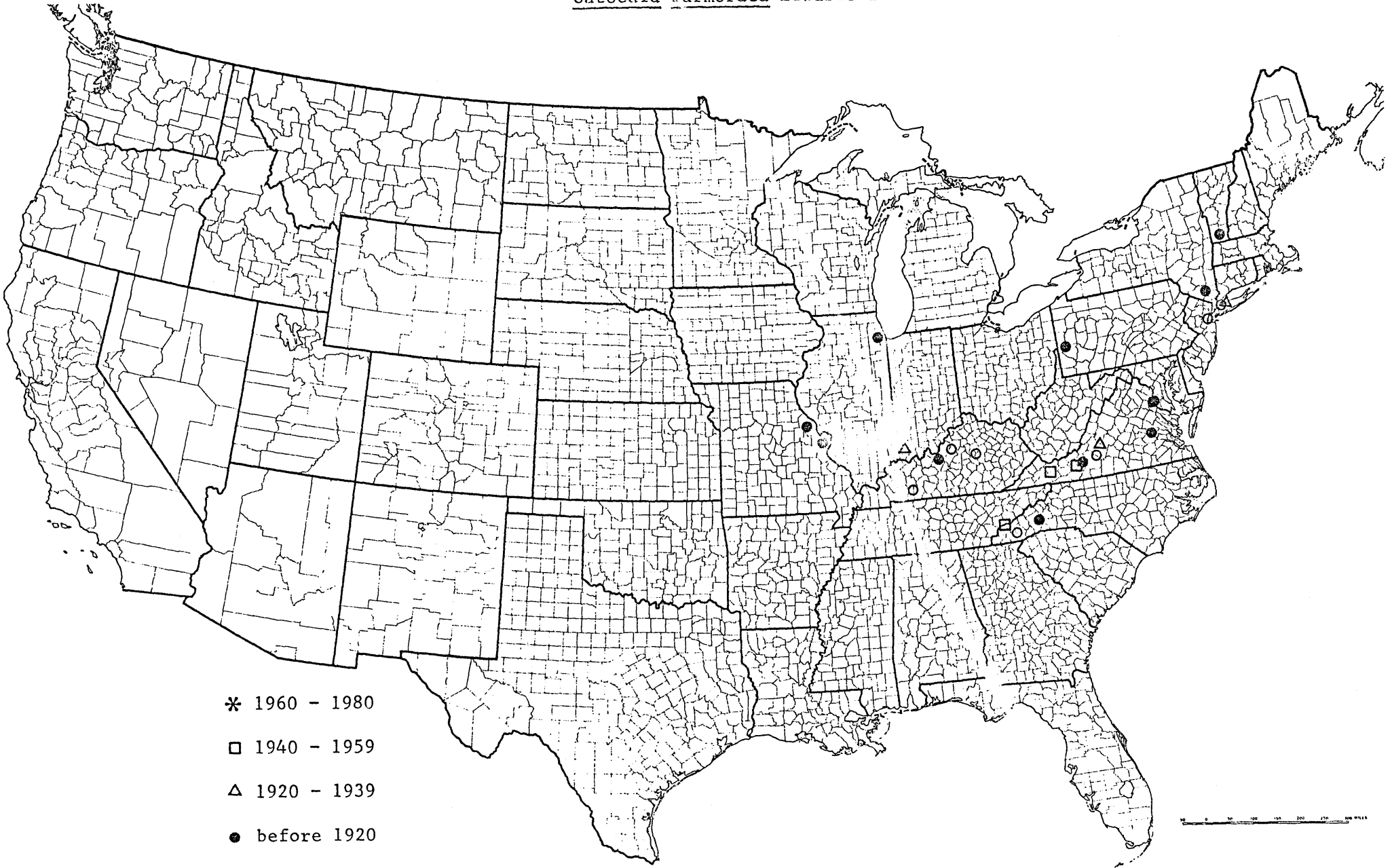
Washington, D.C.

No data	1882	1	USNM
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NOTES:

F. G. Franclemont (Cornell Univ.) suggests (pers. com.) that the Wedge Plantation in McClellanville, South Carolina (headquarters of the Moths of North America project) may have recently collected specimens of C. marmorata from South Carolina.

Catocala warmorata Edwards 1864





Catocala piatrix dionyza H. Edwards 1884

(Lepidoptera: Noctuidae: Catocalinae)

Edwards, H. 1884. Apparently new species of N. American Heterocera.

Papilio 4:124. (original description)

Hessel, S. A. 1976. A preliminary scan of rare and endangered nearctic moths. Atala 4:19-21. (notes on distribution and decline)

Type-locality: Arizona

Catocala piatrix dionyza H. Edwards 1884

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Arizona</u>			
Cochise Co.	-	1	USNM
Huachuca Mts.	1907	5	USNM
So. Arizona	1930	2	USNM
Cochise Co., Paradise	-	1	USNM
Cochise Co., Palmerlee	-	3	USNM
Pima Co., Baboquivari Mts.	1923	6	USNM
Redington	-	2	USNM
Cochise Co., Chiricahua Mts.	-	1	USNM
Baboquivari Mts.	1923	1	LACM
Chiricahua Mts., Texas Canyon	-	1	CNC
Patagonia Mts.	-	2	CNC
Maricopa	-	1	CNC
Cave Creek, Chir. Mts.	-	1	CNC
Cochise Co., Ramsey Cyn., Huachuca Mts.	1969	40	AMNH
Cochise Co., Ash Canyon, Huach. Mts.	1968	11	AMNH
Cochise Co., Portal, S.W.R.S.	1955	8	AMNH
Cochise Co., Montezuma Pass	1967	1	AMNH
Cochise Co., Carr Cyn.	1968	3	AMNH

Catocala piatrix dionyza H. Edwards 1884Arizona

Oak Cr. Canyon	1941/50	2/1	AMNH
Santa Cruz Co., 4 mi. S. Patagonia	1961	1	AMNH
Cochise Co., Miller Cyn.	1969	3	AMNH
Yavapai Co., Minnehaha	1926	2	AMNH
Paradise	-	1	AMNH
Prescot	1905	1	AMNH
Pinaleno	1964	1	AMNH
Southern Arizona	-	2	FMNH
Hereford	-	3	FMNH
Pima Co., Baboquavaria Mts.	1903	1	FMNH
Eureka Springs	1902	1	FMNH
Paradise	-	2	CMNH
Palmerlee	1910	2	CMNH
Southern Arizona	-	1	CMNH
Southern Arizona	1925	1	MCZ
Prescot	-	2	MCZ
Paradise	-	1	MCZ

California

Los Angeles Co., 5 mi. N. Beverly Hills	1954	1	LACM
San Bernardino Co., Upland	1958	4	LACM
El Cajon	1964	1	LACM
Hemet, Riverside	1947	1	LACM

Catocala piatrix dionyza H. Edwards 1884California

Santa Paula	1929	1	LACM
Los Angeles	1917	1	LACM
Riverside	1933	1	LACM
Pasadena	1913	1	LACM
Riverside	1933/40/45	1/8/1	AMNH
L.A. Co., canyon SW of West Covina	1941	3	AMNH
L.A. Co., Chatsworth	1974	1	AMNH
Riverside	1934	1	MCZ

Texas

Jeff Davis Co., Ft. Davis	1965/69	1/1	AMNH
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Data for specimens which are probably misidentified:

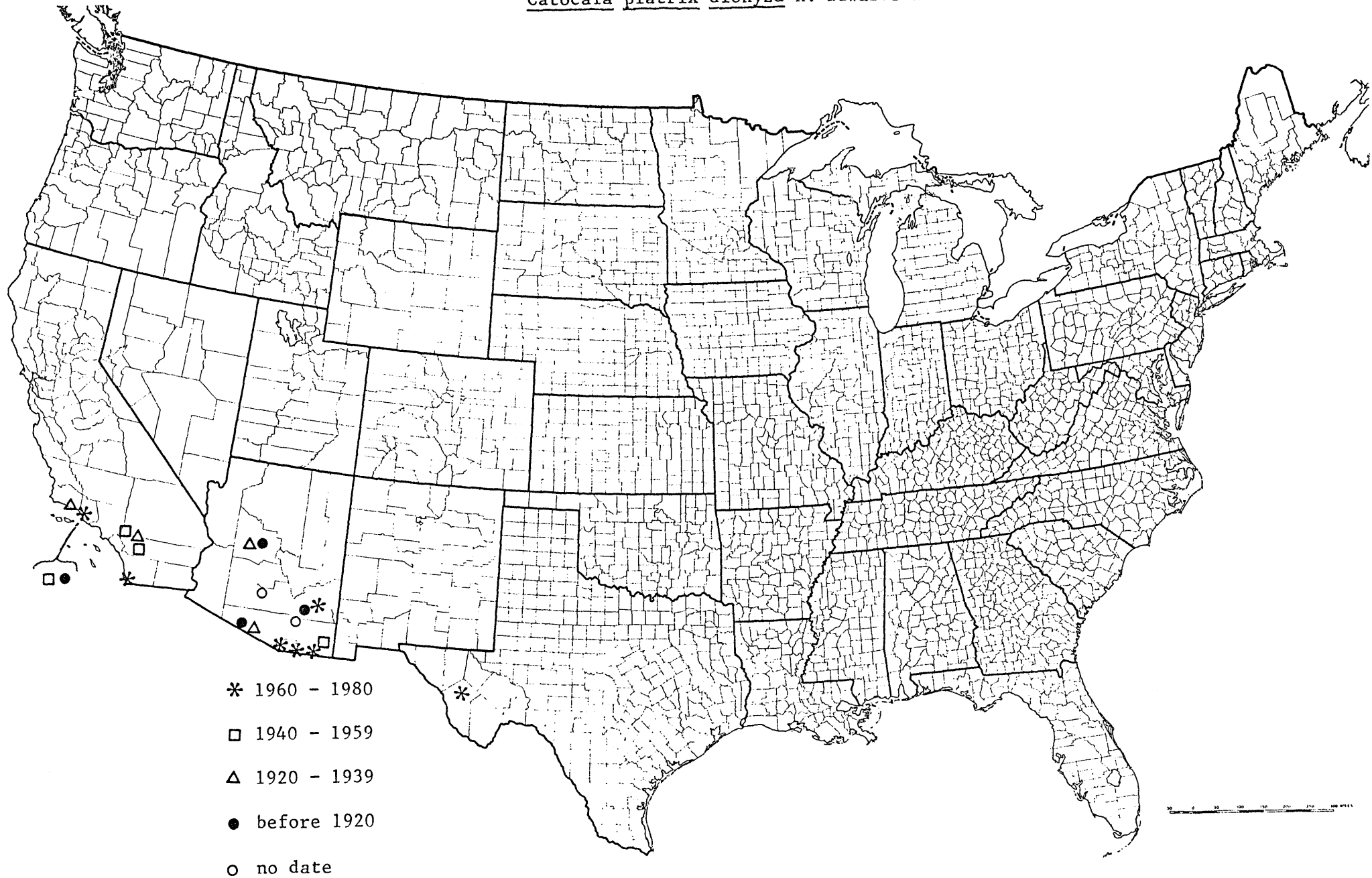
New York

Woodmere	1935/40	5/1	MCZ
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Pennsylvania

Wernersville	1931	2	MCZ
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Catocala piatrix dionyza H. Edwards 1884



Catocala pretiosa Lintner 1876

(Lepidoptera: Noctuidae: Catocalinae)

Lintner, J. A. 1876. On Catocala pretiosa, n. s. Canadian Entomologist  
8:121. (original description)

Hessel, S. A. 1976. A preliminary scan of rare and endangered nearctic  
moths. Atala 4:19-21. (notes on decline and distribution)

Type-locality: Schenectady, New York

Catocala pretiosa Lintner 1876

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Connecticut</u>			
No data	-	1	USNM
<u>Florida</u>			
No data	-	1	USNM
No data	-	1	AMNH
<u>Illinois</u>			
Palos Park	1899	3	FMNH
Glen Ellyn	1908	1	FMNH
Belvidere	1900	1	FMNH
Arlington Hts.	1931	1	FMNH
Chicago	1904	1	FMNH
<u>Kentucky</u>			
No data	-	1	FMNH
<u>Maine</u>			
Kittery Pt.	1903	1	MCZ
<u>Maryland</u>			
No data	-	1	AMNH
<u>Massachusetts</u>			
W'ville (Newtonville?)	1874	1	MCZ

Catocala pretiosa Lintner 1876Missouri

St. Louis	1906	2	FMNH
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New Hampshire

Farmington	-	1	MCZ
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Manchester	-	1	MCZ
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New Jersey

No data	1883	1	USNM
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No data	1913	2	USNM
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Geneva	-	1	MCZ
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New York

No data	-	3	USNM
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Centre	1877	2	USNM
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N.Y. City	-	1	USNM
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Schenectady	1875	2	USNM
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No data	1900	6	AMNH
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N.Y. City, West Farms	-	1	AMNH
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Bronx	-	1	AMNH
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Schenectady	1876	1	AMNH
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Manh	1911	1	FMNH
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Ohio

Columbus	-	2	USNM
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Columbus	-	2	FMNH
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Pennsylvania

Pittsburgh	1923	1	LACM
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Catocala pretiosa Lintner 1876Tennessee

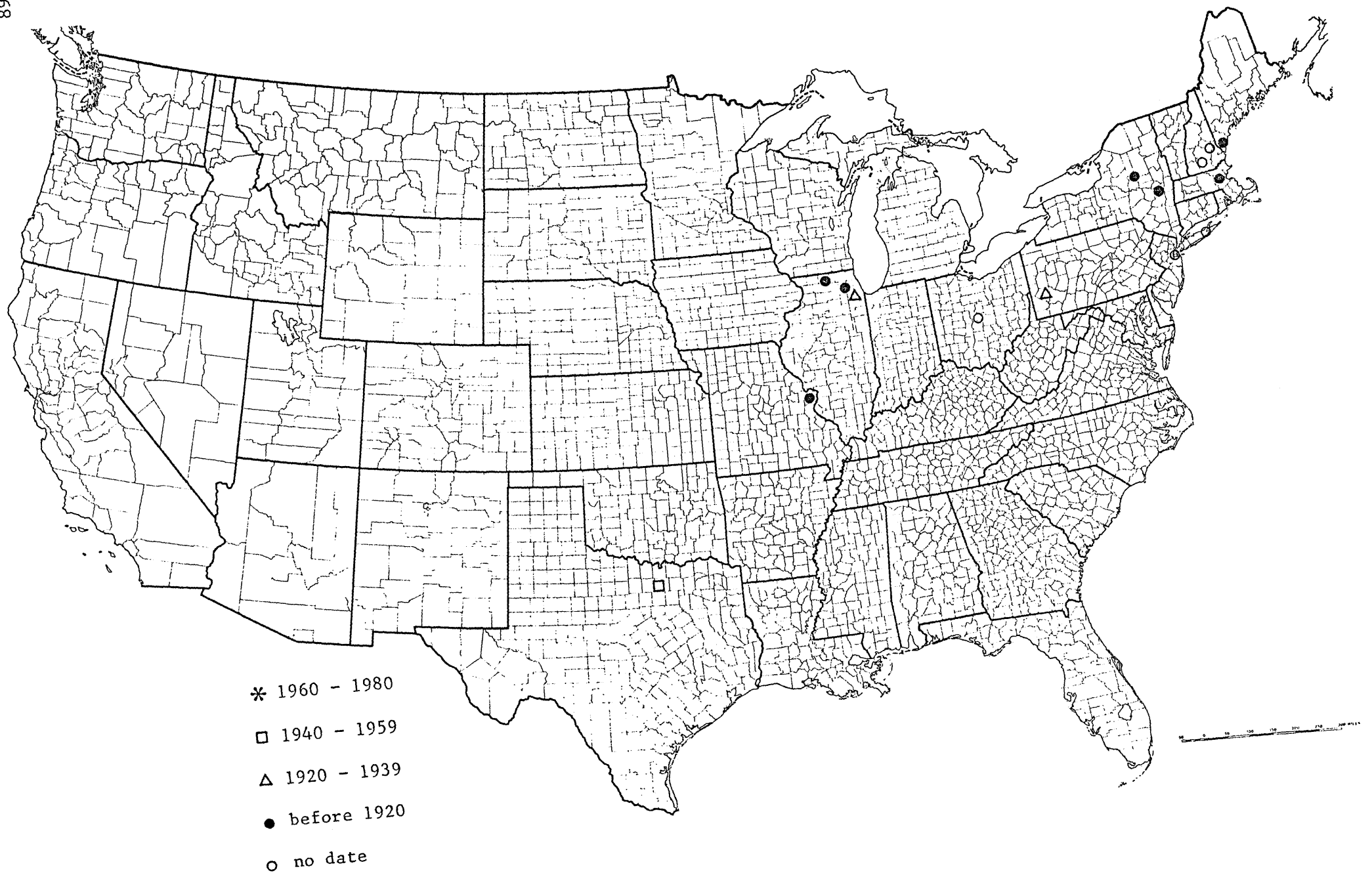
No data	-	2	USNM
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Texas

No data	-	1	USNM
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Montague	1943	2	FMNH
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*Catocala pretiosa* Lintner 1876



Callophrys (Incisalia) lanoraieensis (Sheppard) 1934

(Lepidoptera: Lycaenidae: Theclinae)

Sheppard, A. C. 1934. A new species of the genus Incisalia (Lepidoptera).

Canadian Entomologist 66:141-2. (original description)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co.,

Inc., New York, p. 289. (notes on biology and distribution)

Type-locality: Lanoraie, Province of Quebec, Canada. "...a large swampy area at Lanoraie, P.Q., on the north side of the St. Lawrence River and about forty miles east of Montreal ..."

Callophrys (Incisalia) lanoraieensis (Sheppard) 1934

## LOCALITY DATA

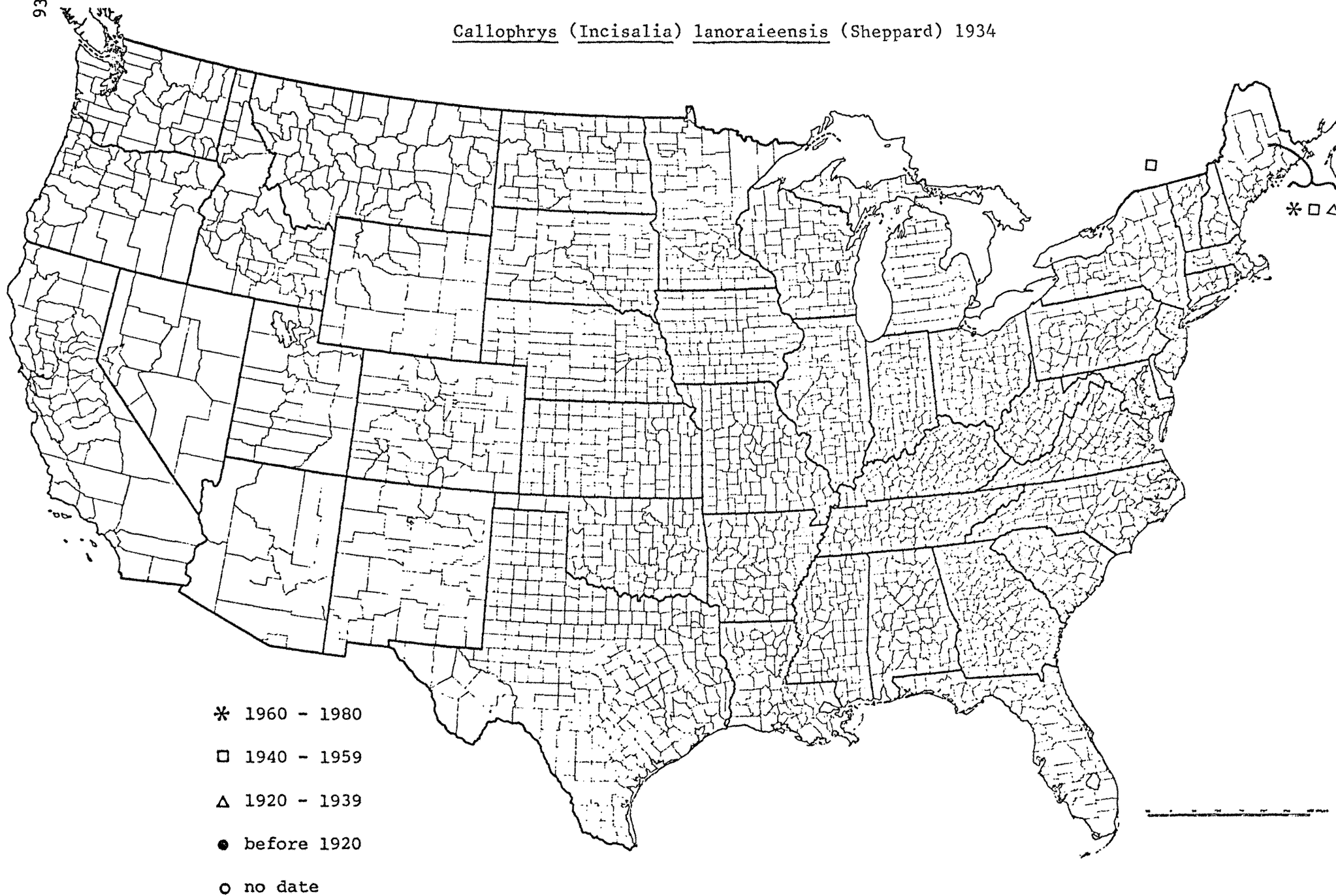
Locality	Date	Number of Specimens	Depository
<u>Maine</u>			
Lincoln	1938	13	USNM
Dead Stream Bog	1940	2	USNM
Lincoln	1934	2	LACM
Lincoln, Dead Stream Bog	1937/43	1/2	LACM
Lincoln, Dead Stream Bog	1958-60	16	
Passadumkeag	1935/59	1/5	LACM
Enfield	1936	2	LACM
Dead Stream Bog	1941-47	5	CNC
Passadumkeag	1935	2	CNC
Lincoln	1934-37/49	3/2	CNC
Lincoln	1934	2	ANSP
Lincoln	1930's	22	AMNH
Passadumkeag	1930's	8	AMNH
Passadumkeag	1966	4	AMNH
Dead Stream Bog	1940	4	AMNH
Lincoln	1951	3	AMNH
Lincoln	1934-38	12	CMNH
Lincoln, Dead Stream Bog	1940-49	8	CMNH
Lincoln, Dead Stream Bog	1951-57	12	CMNH
Passadumkeag bog	1951	1	CMNH
Lincoln Co., Dead Stream	1951	1	INHS

Callophrys (Incisalia) lanoraieensis (Sheppard) 1934

Maine

Lincoln	1940	1	MCZ
Dead Stream Bog	1940	1	MCZ
Lincoln, Dead Stream Bog	1944	9	OSU
Lincoln	1959	4	OSU
Passadumkeag	1976	2	OSU

Callophrys (Incisalia) lanoraieensis (Sheppard) 1934



Eumaeus atala florida (Rober) 1926

(Lepidoptera: Lycaenidae: Theclinae)

- Rober, J. K. M. 1926. Lepidopterologisches. Entomologische Mitteilungen 15(5/6):373. (original description)
- Schwarz, E. A. 1888. Notes on Eumaeus atala. Insect Life 1:38. (biology of E. atala)
- Healy, J. L. 1910. The larva of Eumaeus atala. Entomological News 21:179, 327. (biology of E. atala)
- Klots, A. B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 132. (notes on biology, range and decline)
- Rawson, G. W. 1962. The recent rediscovery of Eumaeus atala (Lycaenidae) in southern Florida. Journal of the Lepidopterists Society 15(4): 237. (notes on distribution)
- Funk, R. S. 1966. Record of Eumaeus atala (Lycaenidae) from the Florida Keys. Journal of the Lepidopterists Society 20(4):216. (note on distribution)
- Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 277. (notes on biology, range and decline)

Type-locality: Florida

Eumaeus atala florida (Rober) 1926

## LOCALITY DATA

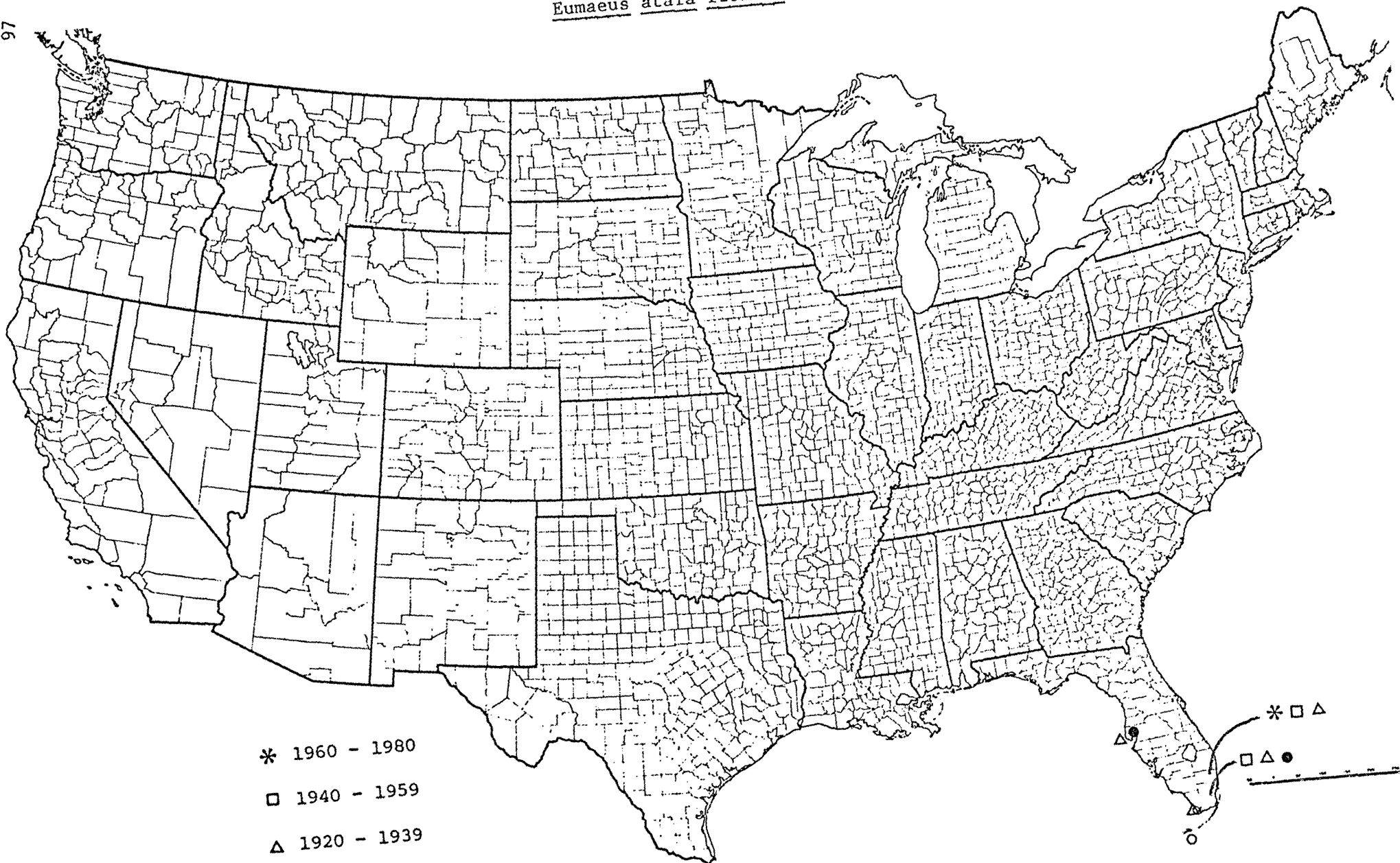
Locality	Date	Number of Specimens	Depository
<u>Florida</u>			
Miami	1900-23	350	USNM
Fort Lauderdale	1923/60	3/5	USNM
Broward Co.	1960	2	USNM
Cutler	-	2	USNM
Miami	1915-20	83	LACM
Everglades	1929-30	8	LACM
Miami	1918-34	11	FSCA
Miami	1913-19	13	CNC
Miami	1910-1920's	50	AMNH
Homestead	1923	2	AMNH
Bisc. Bay	-	1	AMNH
Royal Palm Park	1929/33	1/1	AMNH
Key West	-	4	AMNH
Florida City	1934	1	AMNH
Broward Co., Ft. Lauderdale, Birch Park	1956/58/60	1/1/6	AMNH
Broward Co., Ft. Lauderdale, Birch Park	1961	3	AMNH
No data	-	5	FMNH
Miami	1900-03/46	3/1	FMNH



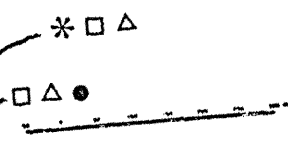
Eumaeus atala florida (Rober) 1926Florida

Miami	1912	1	FMNH
Key West	-	1	FMNH
Lutz	1917	5	CMNH
Dunedin	1922	2	CMNH
Miami	1920's	96	CMNH
Royal Palm Park	1923	2	CMNH
Long Pine Key	1933/37	1/1	CMNH
Cape Sable	1923	2	CMNH
Coconut Grove	1924	1	CMNH
Paradise Key	1934	1	CMNH
Miami	1900-11	16	INHS
No data	-	9	MCZ
Homestead	1924	1	MCZ
Miami	-	15	CAS
Miami	1919	1	CAS
Key West	-	1	CAS
Miami	1903-19	22	CU
Coconut Grove	1905	5	CU
Fort Lauderdale	1920	1	CU

Eumaeus atala florida (Rober) 1926



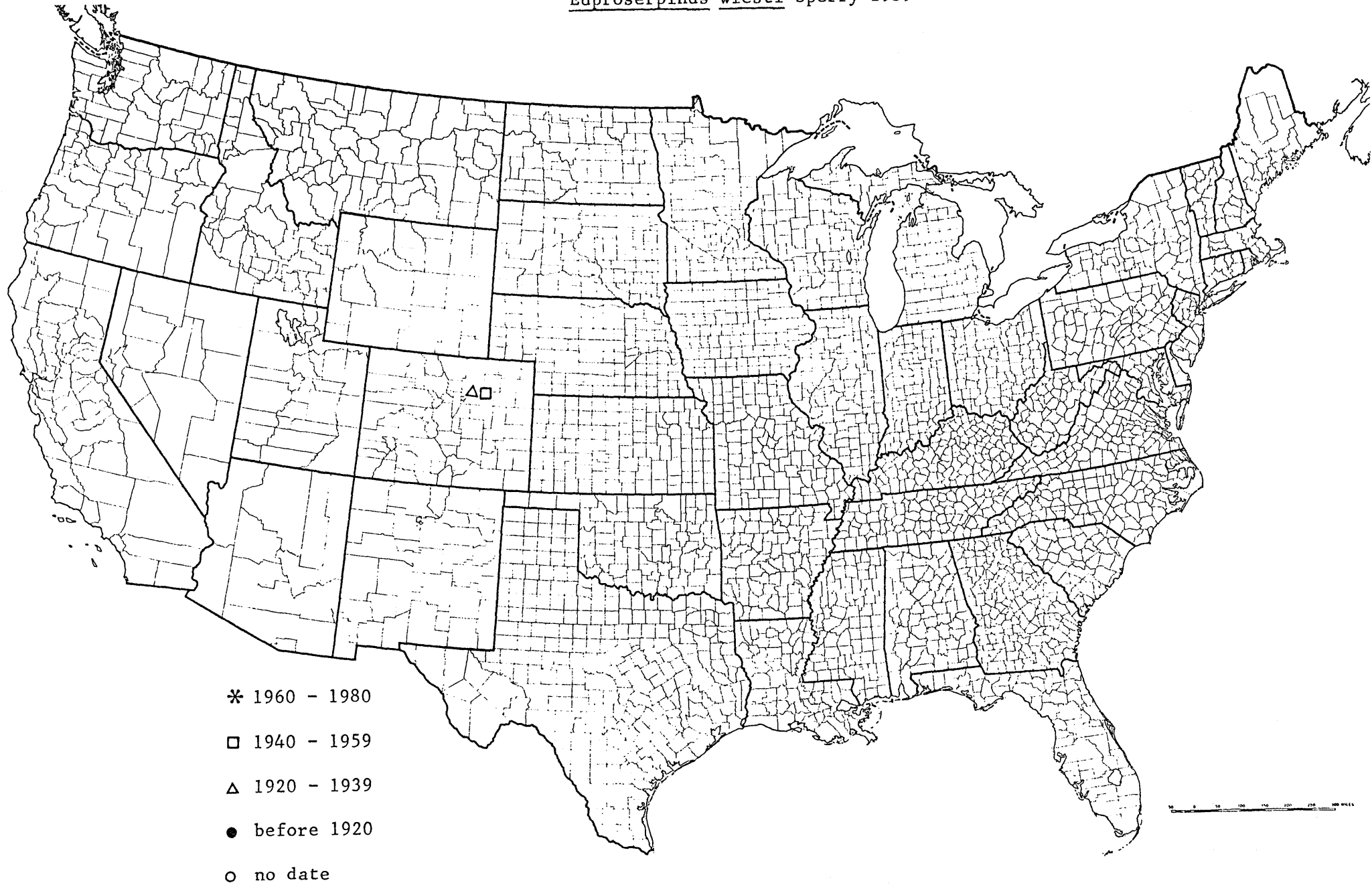
- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Euproserpinus wiesti Sperry 1939

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Colorado</u>			
Roggen	1939	1	USNM
Roggen	1939	1	CNC
Roggen	1940	1	AMNH

Euproserpinus wiesti Sperry 1939

Euptychia mitchellii (French) 1889

(Lepidoptera: Satyridae: Satyrinae)

- French, G. H. 1889. A new species of Neonympha. Canadian Entomologist 21:25. (original description)
- Klots, A. B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 69.  
(notes on distribution)
- Badger, F. S. 1958. Euptychia mitchellii (Satyridae) in Michigan and Indiana tamarack bogs. The Lepidopterists News 12(1-2):41-6.  
(notes on distribution)
- McAlpine, W. s., S. P. Hubbell and T. E. Pliske. 1960. The distribution, habits and life history of Euptychia mitchellii (Satyridae). Journal of the Lepidopterists Society 14:209-226. (distribution, habits and life history)
- Moore, S. 1960. A revised annotated list of the butterflies of Michigan. Occasional papers of the museum of Zoology, University of Michigan 617:1-39. (notes on distribution)
- Rutkowski, F. 1966. Rediscovery of Euptychia mitchellii (Satyridae) in New Jersey. Journal of the Lepidopterists Society 20(1):43-4.  
(notes on distribution)
- Muller, J. 1970. New records for New Jersey with notes of other scarce captures in 1967. Journal of the Lepidopterists Society 24(1):1-3.  
(notes on distribution)
- Nielsen, M. C. 1970. New Michigan butterfly records. Journal of the Lepidopterists Society 24(1):42. (notes on distribution)

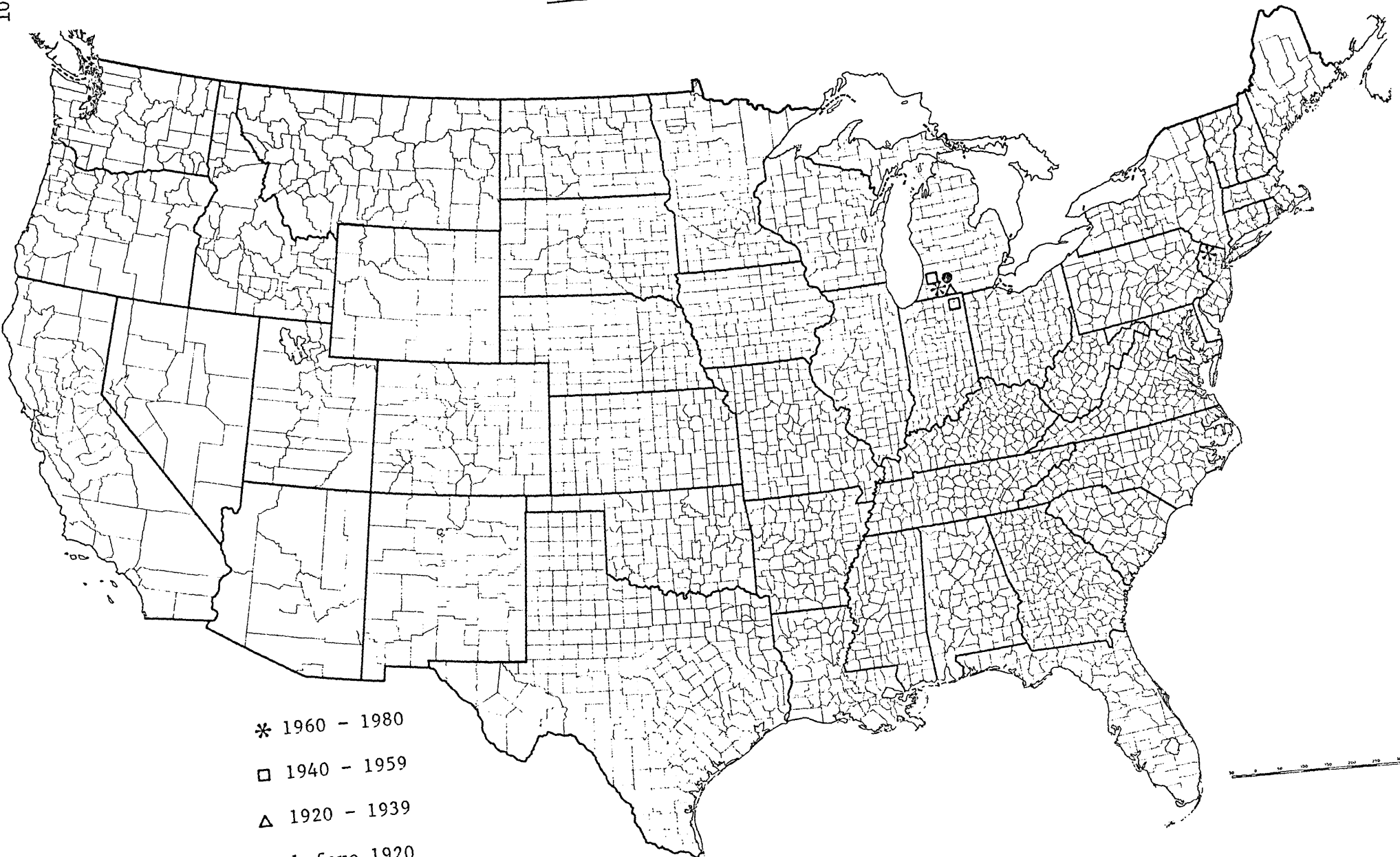
Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 108. (notes on habitat, distribution and decline)

Euptychia mitchellii (French) 1889

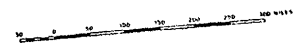
## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Indiana</u>			
Lagrange Co., Bay E. of Cedar Lake	1953	1	USNM
<u>Michigan</u>			
Cass Co., Wakelee	1930-73	32	INHS
No data	-	100	USNM
Cass Co., Wakelee	1936/74	7/2	USNM
Cass Co., Wakelee	1936	10	CNC
Cass Co., Wakelee	1934-35	4	CMNH
No data	1889	7	CMNH
Wakelee	1920	1	CMNH
Wakelee	1924	2	CIS
Cass Co., Wakelee	1940	10	CU
<u>New Jersey</u>			
Sussex Co., Springdale	1963	1	USNM
Sussex Co., Springdale	1965	4	CNC

*Euptychia mitchellii* (French) 1889



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date





Hesperia dacotae (Skinner) 1911  
(Lepidoptera: HesperIIDae: HesperIIDae)

- Skinner, H. 1911. New species or subspecies of North American butterflies (Lepid.). Entomological News 22:412. (original description)
- Bell, E. L. 1938. A catalogue of the original descriptions of the Rhopalocera found north of the Mexican border. Bulletin of the Cheyenne Mountain Museum, vol. 1, part 1. (lists original citation and type-locality)
- Klots, A. B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 238. (notes on habitat and distribution)
- Huber, R. L. 1971. Investigations into the proposal that Hesperia dacotae (Skinner) be considered for placement on either the threatened or endangered species lists, a preliminary survey of Minnesota populations. (unpublished report to Office of Endangered Species)

Type-locality: Volga, South Dakota

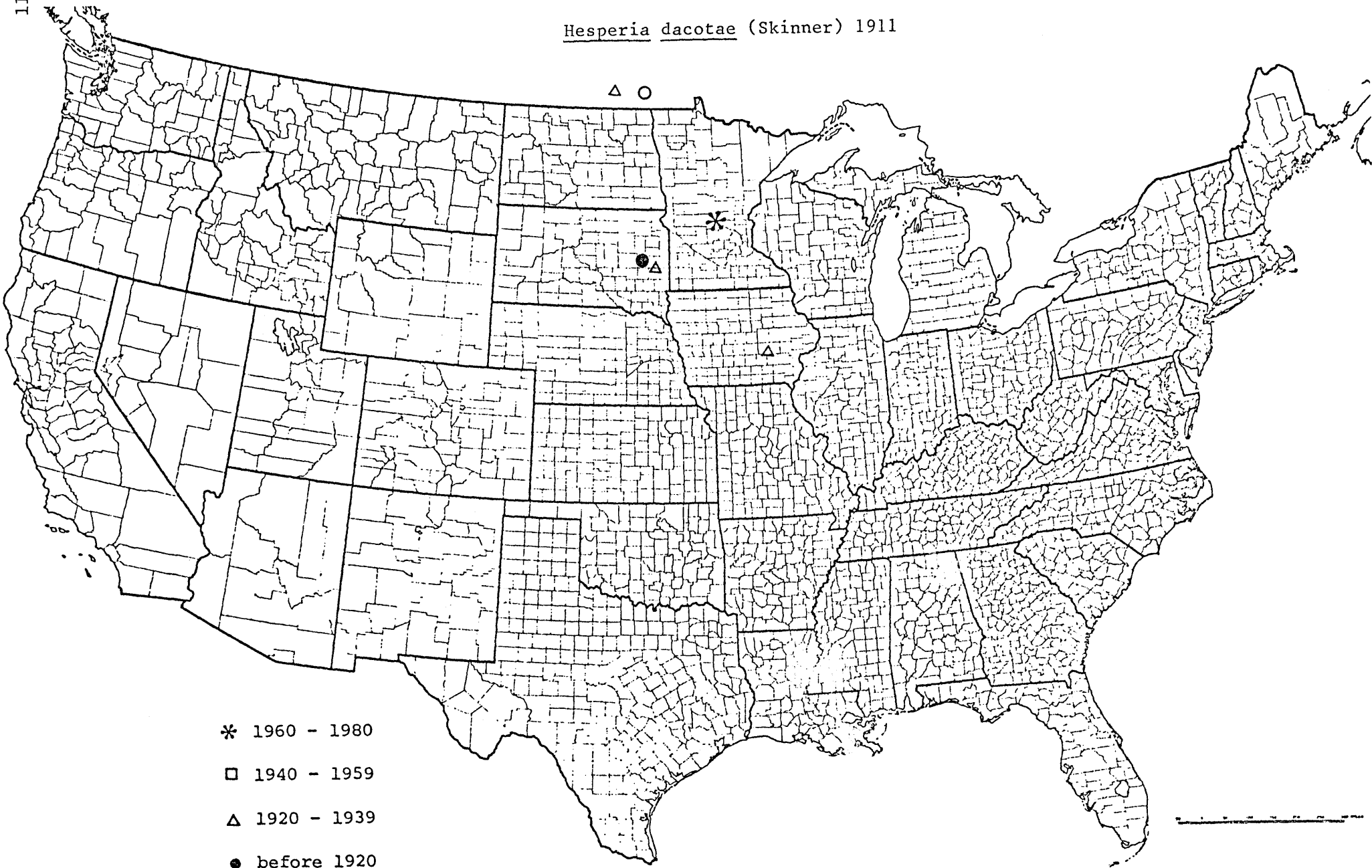
Hesperia dacotae (Skinner) 1911

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Iowa</u>			
"Ioa."	-	1	USNM
Grinnell	1928	1	AMNH
Grinnell	1928	6	CMNH
<u>Minnesota</u>			
Stearns Co., 2.5 mi. W. Roscoe	1966	1	FSCA
<u>South Dakota</u>			
Volga	1916	3	USNM
No data	-	1	USNM
Volga	1924	1	AMNH
Volga	1924	7	CMNH
Brookings	1916	1	CMNH
Sassacus	-	1	CAS
Volga	-	10	CU
<u>Canada</u>			
<u>Manitoba</u>			
Kelwood	1929	1	AMNH
Winnipeg	-	2	CMNH

Hesperia dacotae (Skinner) 1911

- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Hesperia ottoe Edwards 1866

(Lepidoptera: HesperIIDae: HesperIInae)

Edwards, W. H. Description of certain species of diurnal Lepidoptera found within the limits of the United States and British America, No. 5. Proceedings of the Entomological Society of Philadelphia 6:207. (original description)

Bell, E. L. 1938. A catalogue of the original descriptions of the Rhopalocera found north of the Mexican border. Bulletin of the Cheyenne Mountain Museum, vol. 1, part 1. (lists original citation and type-locality)

Klots, A. B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 239. (notes on habitat and distribution)

Hesperia ottoe Edwards 1866

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Colorado</u>			
Plainview	1905-11	4	AMNH
<u>Illinois</u>			
Waukegan	1946	1	FMNH
Mason Co., Mason St. Forest nr. Forest City	1963	1	INHS
<u>Iowa</u>			
Sioux City	1938	3	LACM
Sioux City	1922	1	AMNH
Jefferson	-	1	MCZ
Sioux City	1938/44	13/40	CU
Plymouth County	1944	2	CU
No data	-	1	USNM
<u>Kansas</u>			
Ellsworth	1929	1	AMNH
Barber Co.	1974	1	INHS
Rawlins County	1933	1	CU
<u>Michigan</u>			
Allegan Co., Allegan St. Game area	1975	4	INHS

Hesperia ottoe Edwards 1866Montana

Miles City	-	4	USNM
No data	-	1	AMNH

Nebraska

Omaha	1923-29	7	LACM
Pilger	1925	1	LACM
Omaha	1927	8	CNC
Valentine	1917/33	2/1	AMNH
Omaha	1920's	18	AMNH
Hackberry Lake, Cherry Co.	1911	1	AMNH
Wauneta	1933	1	AMNH
Omaha	1929/30	1/1	MCZ
Dodge Co.	-	3	CAS

Ohio

No data	-	2	USNM
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Oklahoma

Luther	1930	3	LACM
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South Dakota

Black Hills	-	2	AMNH
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Texas

Higgins	-	1	CAS
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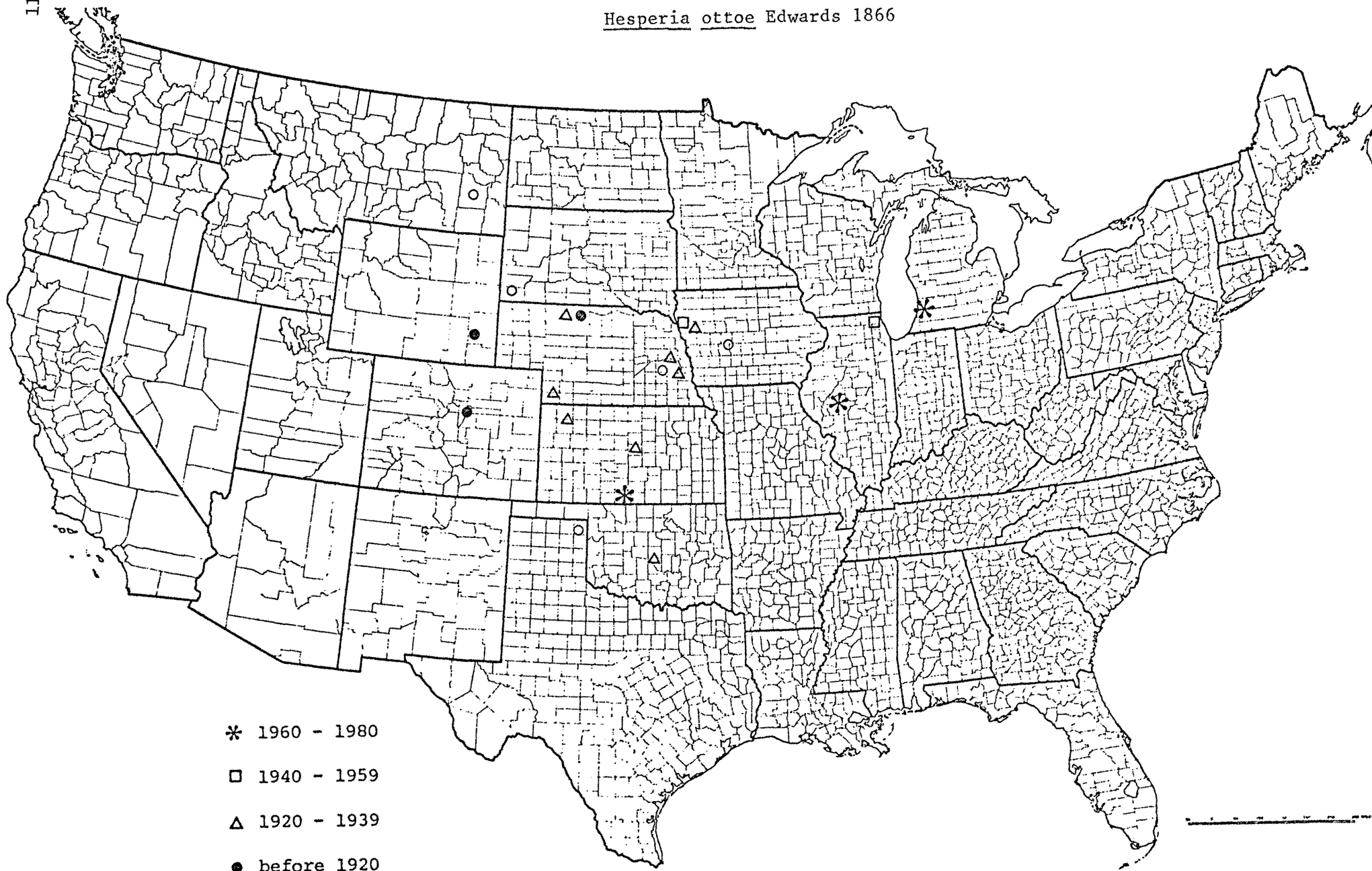
Wyoming

Diamond Ranch, Platte Co.	1919	1	AMNH
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Hesperia ottoe Edwards 1866

NOTES:

Dr. J. M. Burns, Smithsonian Institution, states (pers. com.) that many specimens of H. ottoe were collected during a survey of prairie sites in the Loess Hills of Iowa during the summer of 1980; these specimens were not yet prepared and in depositories at the time of this survey.

*Hesperia ottoe* Edwards 1866

\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Hyalophora columbia (S. I. Smith) 1865

(Lepidoptera: Saturniidae: Saturniinae)

- Smith, S. I. 1865. Description of a species of Samia, supposed to be new, from Norway, Me. Proceedings of the Boston Society of Natural History 9:343. (original description)
- Fernald, C. H. 1878. On the early stages of Samia columbia Smith. Canadian Entomologist 10:43-48. (biology)
- Holland, W. J. 1903. The moth book. Doubleday, Page and Co., New York, p. 84. (note on distribution)
- Packard, A. S. 1914. Monograph of the bombycine moths of North America, part 3. Memoirs of the National Academy of Sciences 12. (notes on biology and distribution)
- Sweadner, W. R. 1937. Hybridization and the phylogeny of the genus Platysamia. Annals of the Carnegie Museum of Natural History 25:181. (notes on biology and range restriction)
- Freeman, T. N. 1940. Notes on the occurrence of Platysamia columbia Sm. in the Ottawa region (Lepid., Saturniidae). Canadian Entomologist 72:129-130. (notes on biology)
- McGugan, B. M., W. H. Haliburton and J. E. MacDonald. 1952. Forest insect survey, Province of Ontario. Annual report to the Forest Insect and Disease Survey, Canada Department of Agriculture, for 1951, pp. 39-65. (notes on Canadian distribution)

- Collins, M. M. and R. D. Weast. 1961. Wild silk moths of the United States. Collins Radio Company, Cedar Rapids, Iowa. (notes on distribution in Wisconsin)
- Ferguson, D. C. 1972. Bombycoidea, Saturniidae. In Dominick, R. B. et al., The moths of North America, fascicle 20.2B, pp. 251-6. (notes on relationships, biology and distribution)
- Hessel, S. A. 1976. A preliminary scan of rare and endangered nearctic moths. *Atala* 4:19-21. (notes on decline and distribution)
- Lemaire, C. 1978. Les Attacidae Americains...The Attacidae of America (=Saturniidae) Attacinae. Edition C. Lemaire, 42 boulevard Victor Hugo, F-92200 Neuilly-sur-Seine, France. (considers H. columbia, H. gloveri and H. nokomis to be conspecific)

Hyalophora columbia (S. L. Smith) 1865

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Colorado</u>			
Denver	1937	1	FMNH
<u>Connecticut</u>			
Norwich	-	1	INHS
<u>Maine</u>			
Lincoln	1936	2	USNM
Orono	-	1	USNM
No data	-	3	USNM
Hancock	1938	1	AMNH
Orono	-	1	CMNH
Orono	-	1	CU
<u>Michigan</u>			
Lake Superior	-	4	USNM
Birmingham	1935	1	USNM
Oakland Co., Scripps est.	1953	2	USNM
Ann Arbor	1936	2	LACM
Oakland Co., Pontiac	1934	1	LACM
Oakland Co., Birmingham	1935	4	LACM
Detroit	-	1	CNC

Hyalophora columbia (S. L. Smith) 1865Michigan

Detroit	-	4	AMNH
Oakley Co., Pontiac	1932	3	AMNH
Oakland Co.	1908	6	FMNH
Oakland Co., Pontiac	1935	3	CMNH
Adrian	1935	4	CMNH
Oakland Co., Pontiac	1935/36	1/1	INHS
Lake Superior	--	1	CMNH
No data	1941	3	CU
No data	-	2	CU

New York

No data	-	2	USNM
New Windsor	1892	1	AMNH

CanadaManitoba

Beulah	1939	3	AMNH
Birtle	1942	1	AMNH
Birtle	1942	1	FMNH
Whitemouth	1933	43	CMNH
Winnipeg	1933	3	CMNH
Mimola	-	1	CU

New Brunswick

Dorchester	1953	11	USNM
Kouchibouguac Nat. Pk.	1977	1	CNC

Hyalophora columbia (S. L. Smith) 1865Newfoundland

No data	1904	1	AMNH
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Nova Scotia

Lunen Co., Green Bay	1956	1	USNM
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Queens Co., Caledonia	1957	1	USNM
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Ontario

Toronto	-	1	USNM
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Bell's Corners	1933-41	47	CNC
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Huntley	1942	5	CNC
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Stittsville	1940	1	USNM
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Almonte	1895	2	CNC
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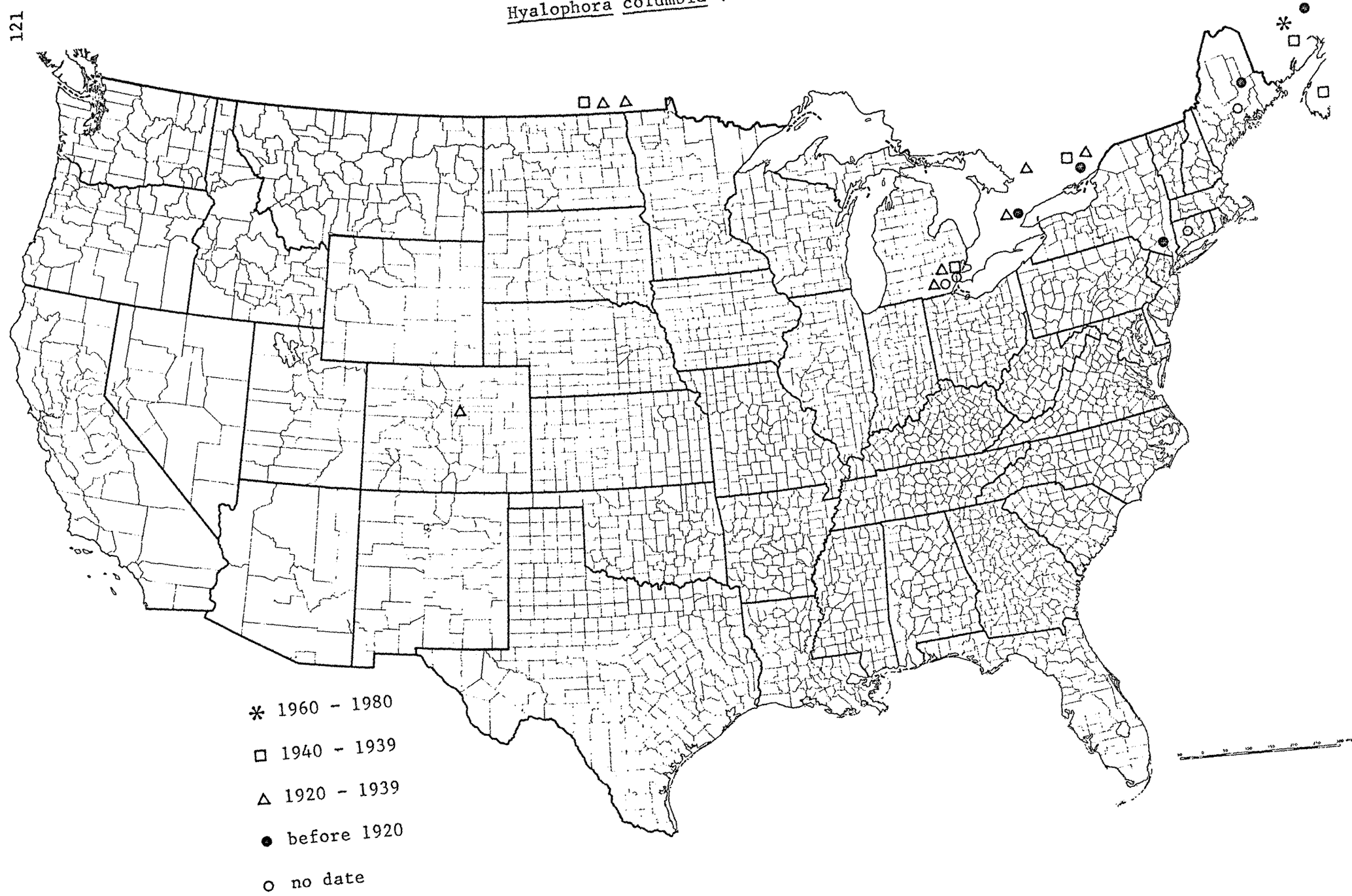
Bell's Corner	1920-40	7	AMNH
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Huntley	1942	1	AMNH
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London	1920	1	CMNH
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12 mi. N. of North Bay	1933	1	CMNH
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*Hyalophora columbia* (S. I. Smith) 1865



Lycaena dorcas claytoni Brower 1940

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Maine</u>			
Springfield	1938	50	USNM
"	1957	55	USNM
"	1955/59	2	FSCA
"	1961	1	FSCA
"	1937-42	33	CNC
"	1937-66	131	AMNH
"	1938	7	FMNH
"	1941-46	53	CMNH
"	1938-42	48	MCZ
"	1938-69	19	CAS
Lee	1938	2	USNM
"	1938	2	CNC
"	1938	5	AMNH
"	1938	1	FMNH
"	1938	1	MCZ
Springfield	1942	6	CU

*Lycaena dorcas claytoni* Brower 1940

\* 1960 - 1980

□ 1940 - 1959

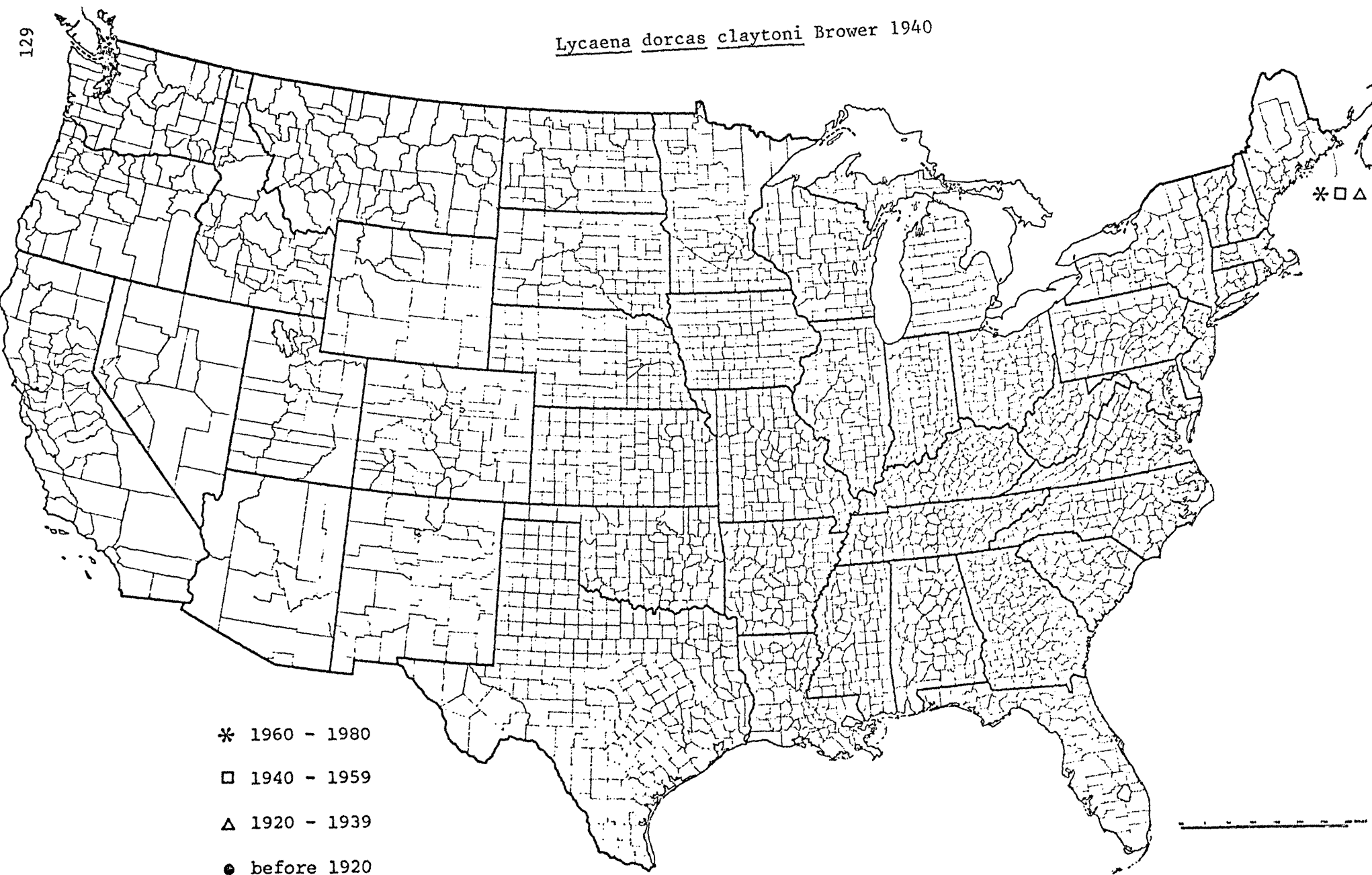
△ 1920 - 1939

● before 1920

○ no date



\* □ △





Dirig, R. and J. F. Cryan. 1976. The karner blue project: January 1973 to December 1976. *Atala* 4(1-2):22-6. (status of Albany population)

Type-locality: Albany, New York

Lycaeides melissa samuelis Nabokov 1943

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Illinois</u>			
Elgin	1948	2	AMNH
Chicago	1909-16	3	AMNH
<u>Indiana</u>			
Hammond	1954	2	CNC
Tremont	1951	1	AMNH
Hessville	1908	1	AMNH
Millers	1917	1	AMNH
Porter Co., Dune Acres	1961	5	FMNH
Miller	1933	1	INHS
Miller	1949	2	INHS
Hessville	1915	8	INHS
Hessville	1922	1	INHS
Hessville	1960-69	15	INHS
Tremont	1944-48	3	INHS
<u>Massachusetts</u>			
No data	-	3	AMNH
<u>Michigan</u>			
Newago Co., Hess Lake	1938	2	CNC

Lycaeides melissa samuelis Nabokov 1943Michigan

Allegan Co., State Game Area	1972	2	FMNH
Allegan Co.	1975	2	AMNH
Newago Co., Hess Lake	1938	2	MCZ
Detroit	-	1	MCZ
Allegan Co., Allegan State Game Area	1977	4	CAS

Minnesota

Alpha	1919	2	INHS
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New Hampshire

Nashua	1907	3	MCZ
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New York

Centre	1876	2	USNM
Colonie	1963	3	CNC
Karner	1960	1	CNC
Albany	1947	5	CNC
Ulan, Sullivan Co.	1920	2	CNC
(New Ligkeard Co.)	-	1	CNC
Albany	1908-60	156	AMNH
New York City & vicinity	-	2	AMNH
Genesee Co., Ton. Ind. Res.	1968/70	57/6	CU

Lycaeides melissa samuelis Nabokov 1943Ohio

Sylvania	1940	12	CNC
Sylvania	1940-45	4	MCZ

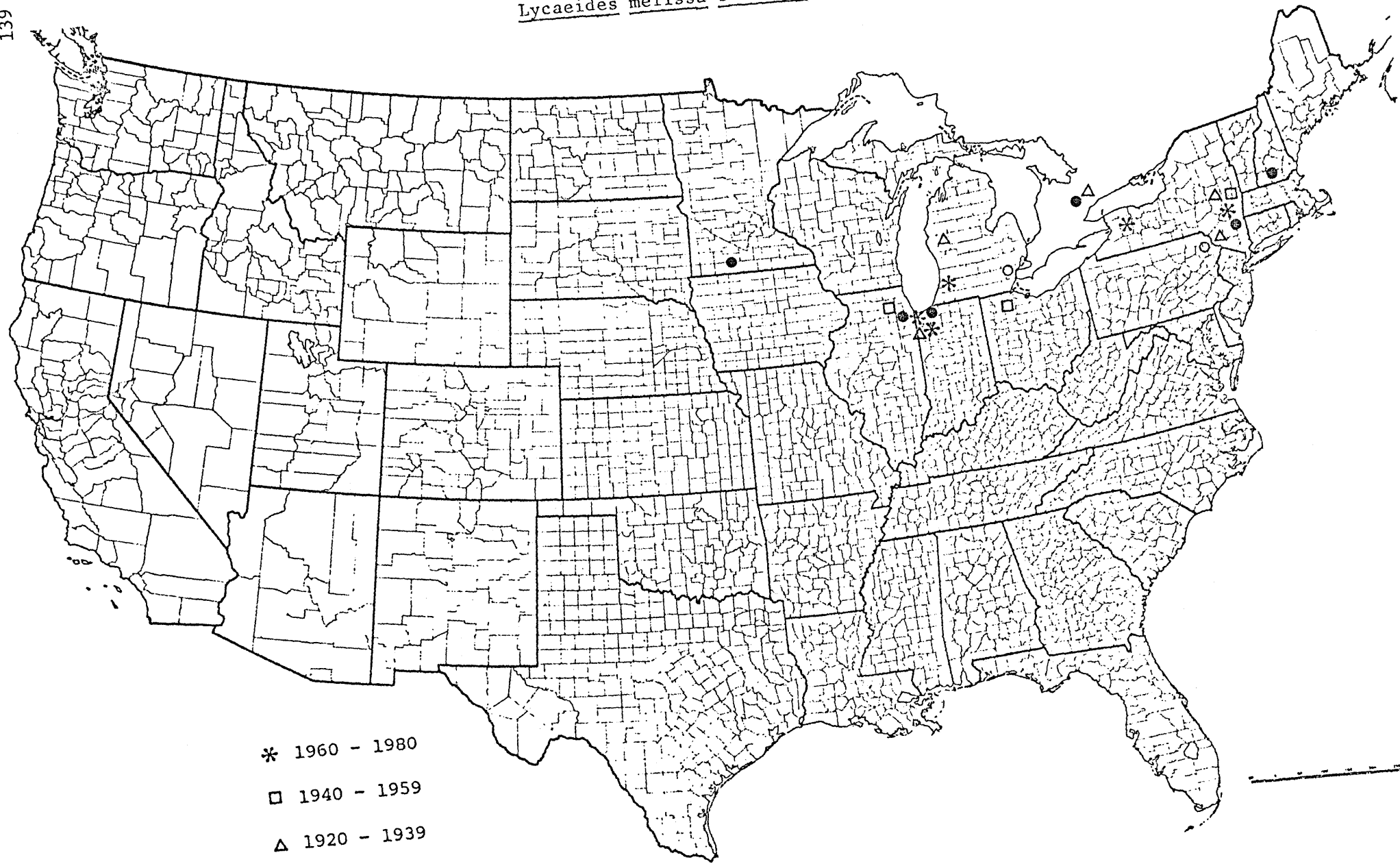
Pennsylvania

Wayne Co.	-	3	AMNH
No data	-	3	AMNH

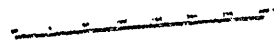
CanadaOntario

Toronto	1884	13	CNC
Toronto	1896	3	MCZ
Toronto	1920	1	MCZ

*Lycaeides melissa samuelis* Nabokov 1943



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Mitoura hesseli Rawson and Ziegler 1950

(Lepidoptera: Lycaenidae: Theclinae)

Rawson, G. W. and J. B. Ziegler. 1950. A new species of Mitoura Scudder from the pine barrens of New Jersey (Lepidoptera, Lycaenidae).

Journal of the New York Entomological Society 68:69-80.

(original description)

Klots, A. B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 141.

(notes on biology and distribution)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 293. (notes on biology and distribution)

Type-locality: Lakehurst, Ocean County, New Jersey

Mitoura hesseli Rawson and Ziegler 1950

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Massachusetts</u>			
Milton, Blue Hills	1941	1	CMNH
<u>New Jersey</u>			
Lakehurst	1949-50	23	USNM
Lakehurst	1954	1	USNM
Lakehurst	1971	4	USNM
Ocean Co.	1950-52	4	LACM
Lakehurst	1950	1	LACM
Burlington Co.	1963	1	LACM
Ocean City	1952	2	CNC
Lakehurst	1949	2	CNC
Ocean Co., Wavetown	1949	1	AMNH
Ocean Co.	1951	69	AMNH
Lakehurst	1951	1	AMNH
Ocean City	1951	4	FMNH
Ocean Co., Lakehurst	1949/51	2/5	CMNH
Ocean Co.	1950	8	CMNH

Mitoura hesseli Rawson and Ziegler 1950New Jersey

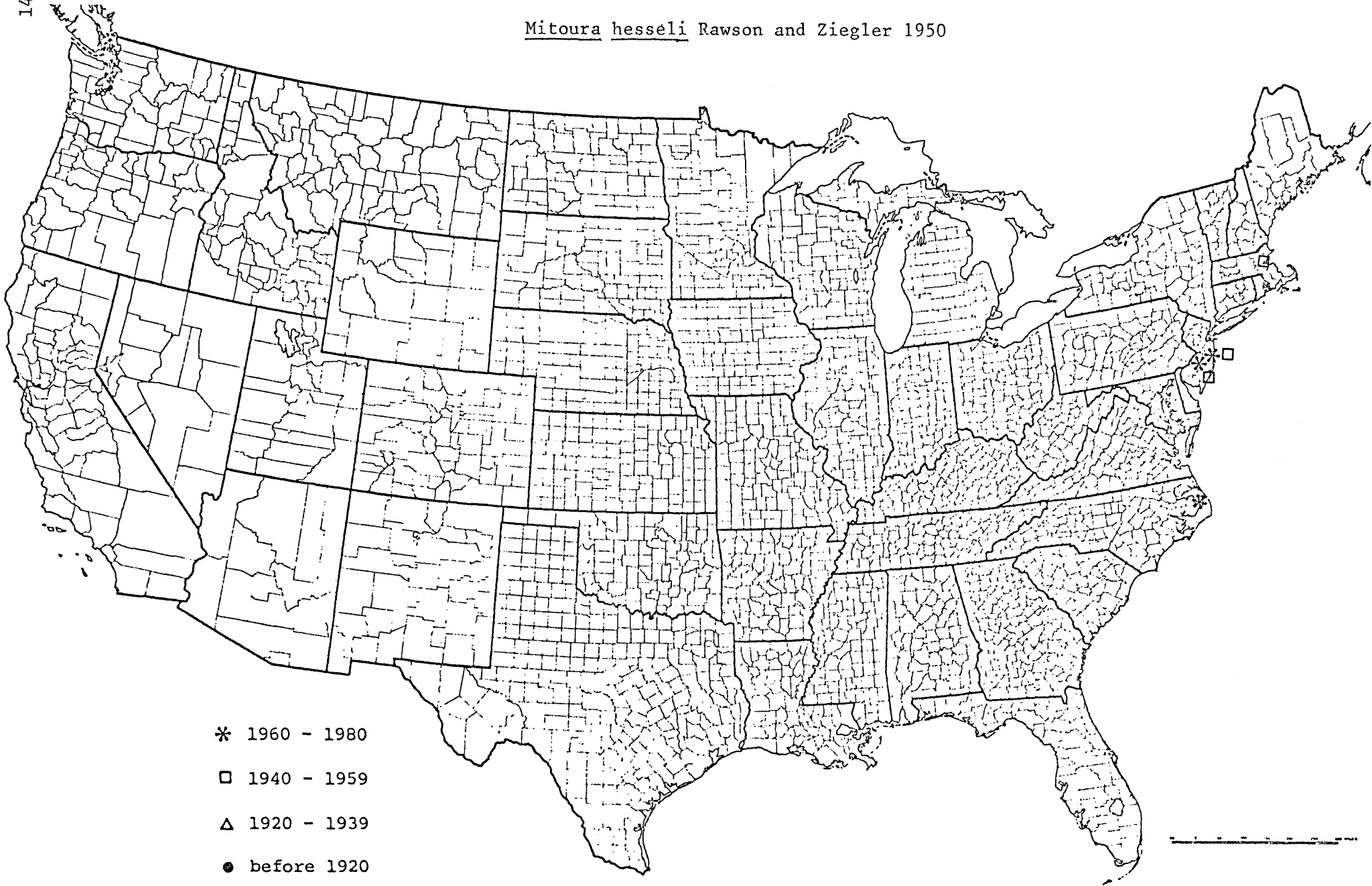
Ocean Co.	1951	4	INHS
Chatsworth	1972	1	INHS
Lakehurst	1949/50	2/4	MCZ
Ocean Co., Lakehurst	1952	2	CU

North Carolina

Dare Co., Milltail Creek	1975	3	CMNH
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Mitoura hesseli Rawson and Ziegler 1950



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date

Oarisma powesheik (Parker) 1870

(Lepidoptera: HesperIIDae: HesperIInae)

Parker, H. W. 1870. A new hesperian. American Entomologist 2:271.

(original description)

Willard, H. G. 1892. Thy. poweshiek. Entomological News 3:232.

(notes on biology)

Bell, E. L. 1938. A catalogue of the original descriptions of the Rhopalocera found north of the Mexican border. Bulletin of the Cheyenne Mountain Museum, vol. 1, part 1. (lists original citation and type-locality)

Type-locality: "a grass prairie slope, at Grinnell, Iowa"

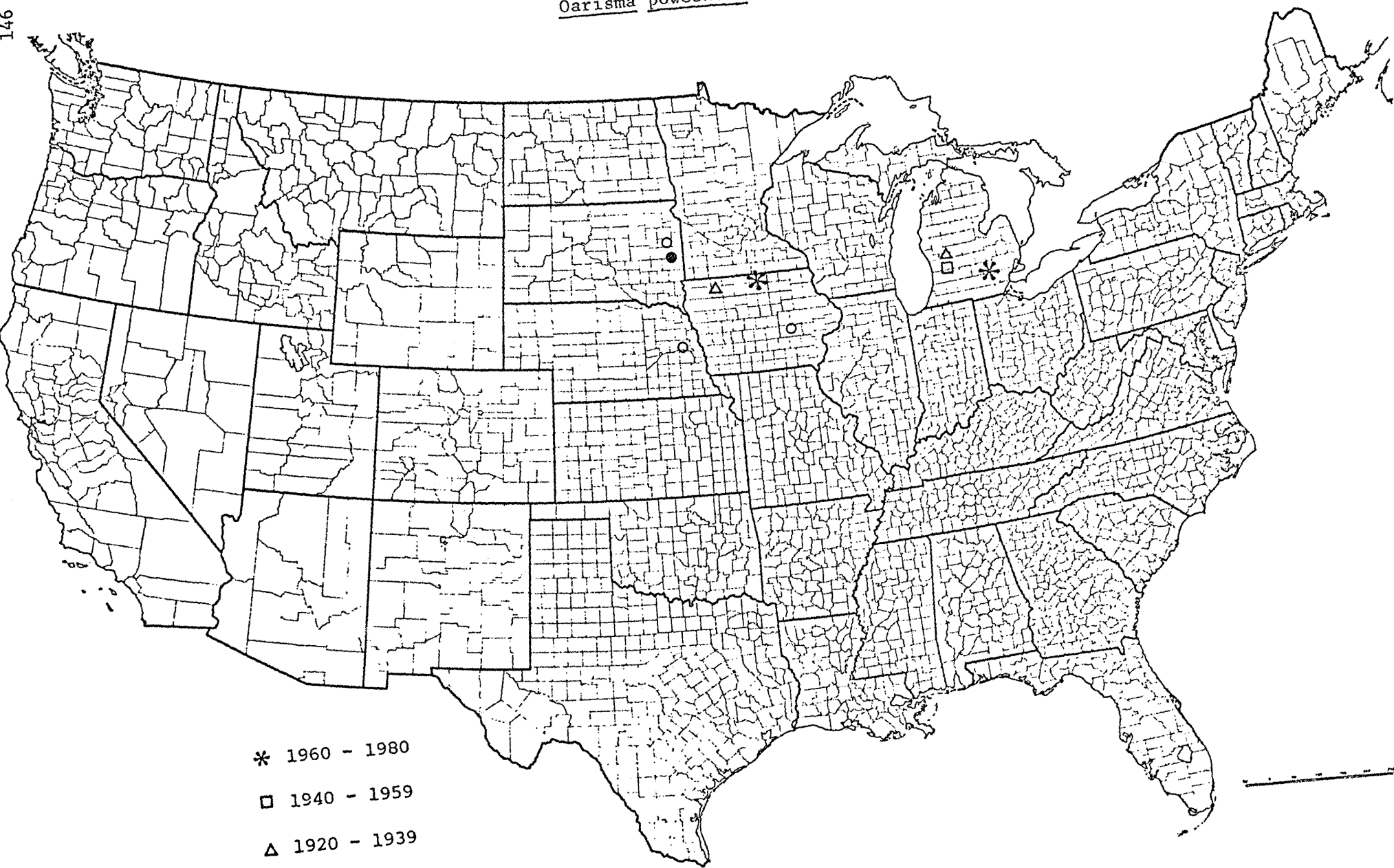
Oarisma powesheik (Parker) 1870

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Iowa</u>			
Howard Co., Hogden Prairie	1975	3	USNM
Lake Okoboji	1921-22	10	USNM
Lake Okoboji	1921-22	14	LACM
Lake Okoboji	1921	11	AMNH
Grinnel	-	2	MCZ
Lake Okoboji	1921	2	CU
<u>Michigan</u>			
Grand Rapids, Kent Co.	1930-39	15	USNM
Grand Rapids, Kent Co.	1940-50	15	USNM
Livingston, T3N, R6E, Sec. 12	1970-71	4	LACM
Livingston Co., Fenton Rd., 2 mi. N. Hwy. 59	1971	2	FSCA
Livingston Co., Jct. Fenton and Hibner Roads	1973	2	INHS
<u>Nebraska</u>			
Dodge	-	3	MCZ
<u>South Dakota</u>			
Volga	-	1	USNM
Volga	1894	5	FMNH
No data	-	3	CU

Oarisma powesheik (Parker) 1870

146



- \* 1960 - 1980
- 1940 - 1959
- Δ 1920 - 1939
- before 1920
- no date

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 394. (notes on range and biology)

Patterson, W. D. 1975. Butterflies and the Auburn dam. *Atala* 3:37. (notes on habitat destruction)

Dornfeld, E. J. 1980. The butterflies of Oregon. Timber Press, Forest Grove, Oregon, pp. 77, 243. (notes on distribution and threatened habitat)

Papilio oregonius Edwards 1880

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Colorado</u>			
Glenwood Springs	-	3	USNM
Roaring Fork	1891	1	CU
<u>Montana</u>			
Martina	1925	1	LACM
<u>Nevada</u>			
Clark Co.	1930	2	USNM
Goodwill Hills, Cklickrar Co.	1928	1	USNM
Goodwill Hills, Cklickrar Co.	1940	1	USNM
<u>Oregon</u>			
Umatilla	1882	1	USNM
Heppner	1914	2	LACM
Wilson Creek	1919	4	LACM
Portland	-	1	CAS
Gateway	1918-35	4	OSU
Sherman Co.	1965	1	OSU
W. of Arlington	1957	1	OSU
Sherman Co., Fulton Canyon	1964-66	5	OSU
Sherman Co., Rufus	1964	1	OSU

Papilio oregonius Edwards 1880Oregon

Sherman Co., Briggs Jct.	1964	2	OSU
Biggs	1956	1	OSU
Sherman	-	1	CU

Utah

Vineyard	1904-17	3	USNM
Vineyard	1923-31	3	USNM
Ogden	1933	1	USNM
Provo	1931	2	USNM
Stockton, Tooele Co.	1923	1	USNM

Washington

Oroville	1922	2	USNM
Okanogan Co., Black Canyon	1952	5	FSCA
Brewster	1936	2	FSCA
Wawawai	1902	1	USNM
Brewster	1958	7	LACM
Brewster	1951	15	CNC
Pateros	1937	3	CNC
Lakeside	1942	2	CNC
Vantage	1940	3	USNM
Pateros	1931	1	CIS
Port Columbus	1915	1	CMNH
Pateros	-	2	CMNH

Papilio oregonius Edwards 1880Washington

Brewster	-	2	CMNH
Port Columbia	1915	4	INHS
Port Columbia	1915	1	CAS
Port Columbia	1923	1	CAS
Brewster	1952-55	3	CAS
Goodnoe Hill	1927-29	5	CAS
Brewster	1950-51	2	OSU
Okanogan Co., Oroville	1963	1	OSU
Pateros	1930	1	CU
Oroville	1927	1	CU

CanadaBritish Columbia

Vernon	1903-06	5	CNC
Keremoes	1933	1	CNC
Olivey	1937	1	CNC
Lillooet	1916	1	CNC
Lillooet	1926	1	CNC
Kamloops	1937	1	CNC
Pavillon Lake	1938	1	CNC
Brackendale	1916	1	CNC
Oliver	1934-38	2	CNC
Osogoos	-	1	CNC



Papilio oregonius Edwards 1880British Columbia

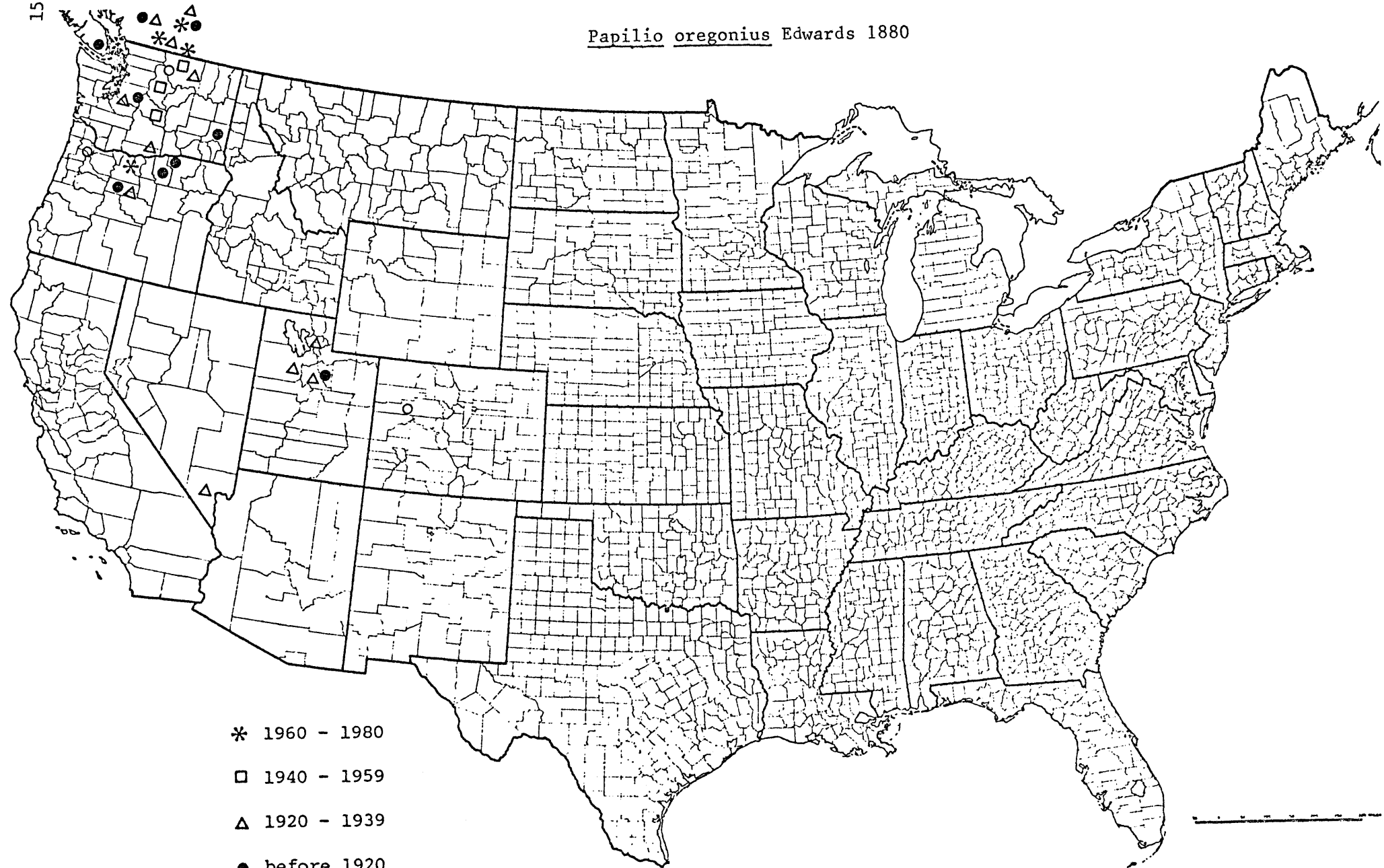
Vancouver, Victoria	-	2	INHS
Vernon	1905/08	1/1	UBC
Enderby	1924	1	UBC
Armstrong	1912	1	UBC
Penticton	1920	1	UBC
Cosen's Bay, Coldstream	1975	1	BCPM
Vaseux L.	1913	1	BCPM
No data	1898	1	BCPM
West Bench, Penticton	1962/63	1/1	BCPM
Campbell Mt., Penticton	1964	1	BCPM

NOTES:

Roaring Fork, Colorado cannot be located on maps.

"Goodwill Hills, Clarkr Co., Nevada" cannot be found in gazetteers or on maps, it probably refers to Goodnoe Hills, Washington.

Papilio oregonius Edwards 1880



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date

Problema bulenta (Boisduval and LeConte) 1833

(Lepidoptera: HesperIIDae: HesperIIDinae)

- Boisduval, J. A. and J. LeConte. 1833. Histoire general et iconographie des Lepidopteres et des chenilles de l'Amerique Septentrionale, vol. 1. (original description)
- Bell, E. L. 1938. A catalogue of the original descriptions of the Rhopalocera found north of the Mexican border. Bulletin of the Cheyenne Mountain Museum, vol. 1, part 1. (lists original citation and type-locality)
- Klots, A. B. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 238. (notes on habitat and distribution).
- Covell, C. V. and G. B. Straley. 1973. Notes on Virginia butterflies, with two new state records. Journal of the Lepidopterists Society 27(2):146-7. (notes on biology and distribution in Virginia, New Kent Co.)
- Cooper, J. E., et al. 1977. Endangered and threatened plants and animals of North Carolina, proceedings of the symposium on endangered and threatened biota of N. Carolina, Meredith College, Raleigh, Nov. 7, 1975. North Carolina Museum of Natural History. (notes on distribution and status)
- Opler, P. A. 197 . Freshwater and terrestrial insects, in D. Linzey, Ed., Endangered and threatened species of Virginia. University of Virginia Press, Charlottesville. (notes on distribution and status)

Type-locality: "North America"

Problema bulenta (Bdv. & LeC.) 1833

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Florida</u>			
Sarasota	1962	1	FSCA
<u>Georgia</u>			
Ft. Wentworth	1962	4	FSCA
<u>North Carolina</u>			
Wilmington	1925/26	1/1	USNM
Brunswick Co., Leland	1945	4	USNM
Brunswick Co., Leland	1978	6	USNM
Wilmington	-	2	LACM
Wilmington	1959	2	LACM
Leland	1925	1	CNC
Wilmington	1905	4	AMNH
Wilmington	1928	1	AMNH
Leland	1940's	68	AMNH
Leland	1945	2	CMNH
nr. Wilmington	1970	1	CMNH
Brunswick Co., 1.3 mi. W. of Wilmington in brackish swamp	1962	1	CMNH
Leland	1944	2	CU

Problema bulenta (Bvd. & LeC.) 1833

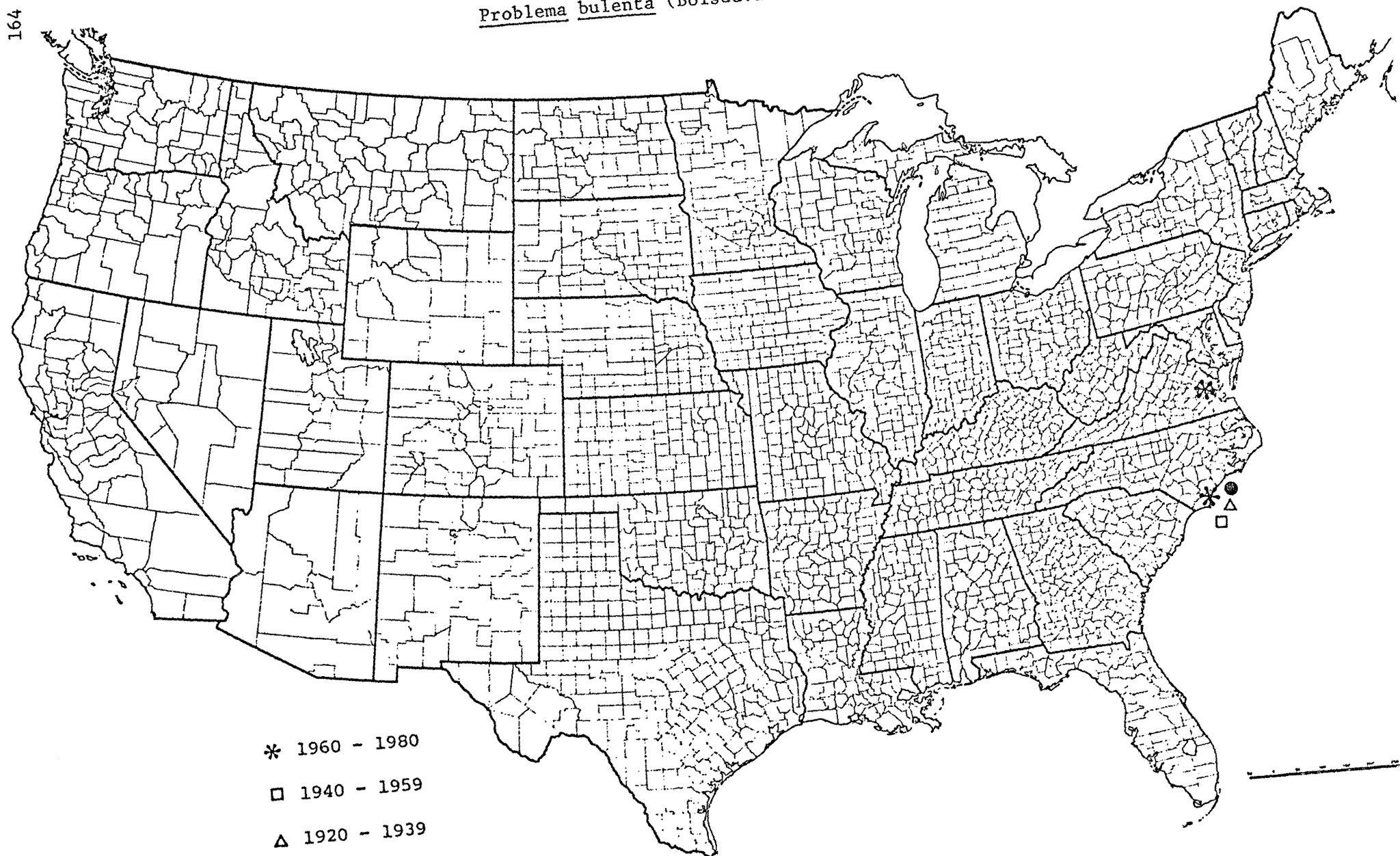
Virginia

New Kent Co., nr. Lanexa	1961	1	CMNH
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NOTE:

"Ft. Wentworth, Georgia" cannot be found on maps, in gazetteers  
or in geographical dictionaries.

*Problema bulenta* (Boisduval and LeConte) 1833



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date

Speyeria diana (Cramer) 1779

(Lepidoptera: Nymphalidae: Argynninae)

Cramer, P. 1779. Papillons exotiques des trois parties du monde, l'Asie, l'Afrique et l'Amerique. Amsterdam, I(1775)-IV(1782).

(original description)

Edwards, W. H. 1874. Notes on the larvae of Argynnis cybele, aphrodite and diana. Canadian Entomologist 6:121. (biology)

Edwards, W. H. 1876. Butterflies of North America. (biology)

Scudder, S. H. 1889. Butterflies of Eastern United States and Canada. (biology)

dos Passos, C. F. and L. P. Grey. 1947. Systematic catalogue of Speyeria (Lepidoptera, Nymphalidae) with designations of types and fixations of type localities. American Museum Novitates no. 1370.

(Speyeria catalogue; type-locality fixed)

Klots, A. T. 1951. A field guide to the butterflies of North America, east of the Great Plains. Houghton Mifflin Co., Boston, p. 86.

(notes on habitat and distribution)

Hovanitz, W. H. 1963. Geographical distribution and variation of the genus Argynnis, III. Argynnis diana. Journal of Research on

Lepidoptera 1:201-8. (notes on distribution)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 212. (notes on habitat and distribution)

Type-locality: Jamestown, James City County, Virginia

Speyeria diana (Cramer) 1779

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Arkansas</u>			
Faulkner Co., Hope Hill Farm	1945-47	3	AMNH
Tarry	1920	1	AMNH
Baileyville	1900	2	LACM
Smoky Mtns.	1929	1	LACM
Stafford	1930	1	LACM
Hope	1921	1	FMNH
<u>Georgia</u>			
Fannin Co.	1958	2	USNM
Fannin Co., Cooper State Rec. Area	1974	12	FSCA
Skeinah	-	1	AMNH
Fannin Co.	1904	1	AMNH
Fannin Co.	1958	2	AMNH
Fannin Co.	1961	2	AMNH
Chattahoochie Natl. Forest	1961	1	AMNH
Fannin Co., Cooper Cr.	1960	1	AMNH
Blairville	1957	5	LACM
Fannin Co., Blue Ridge Mts.	1959	4	LACM
Fannin Co., Cades Cove	1950	1	LACM



Speyeria diana (Cramer) 1779Georgia

Fannin Co.	1957-59	7	LACM
Fannin Co.	1960	1	LACM
Rabun Co.	1953	1	LACM
Union Co.	1958	5	LACM
Towns Co.	1958	1	LACM
Union Co., Copper Cr.	1961	1	FMNH
Rabun Co., 3 mi. W. Clayton	1971	2	FMNH

Illinois

Southern Illinois	1890	1	USNM
Cobden	1869	1	USNM
Carbondale	1881	1	FMNH

Indiana

No data	-	5	USNM
Evansville	-	1	USNM

Kentucky

No data	1953	1	USNM
Cumberland Mts.	1888	1	CNC
No data	-	1	AMNH
Louisville	-	1	MCZ
Louisville	-	1	LACM
Cumberland Mt.	-	1	CU

North Carolina

Cranberry	1898	1	USNM
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Speyeria diana (Cramer) 1779North Carolina

Brevard, Conestee Falls	1941	1	USNM
Great Smoky Mts.	1929/32	1/1	USNM
Cedar Mtn.	1931	1	USNM
No data	-	3	USNM
Vade MeCum	1953	2	AMNH
Black Mts.	1911	3	AMNH
L. Toxaway	-	3	AMNH
Cedar Mtn.	1932	2	AMNH
Dillsboro	1895	4	AMNH
Brevard	1948	3	FMNH
Macon Co., Coweeta Hydrol. Lab.	1971/72	1/1	FMNH
Lake Toxaway	1952-53	5	LACM
Lenori	1924	1	LACM
Nashville	1937	1	LACM
Tuxed	1931	1	LACM
Conestee Falls nr. Brevard	1937	47	CMNH
Gastonia	-	2	CMNH
Swain Co., Ela	1953	21	CMNH
Cranberry	1898	2	CMNH
Brevard	1949	3	CAS
Cedar Mtn.	-	3	CIS
Cedar Mtn.	1929/54	1/2	CIS
Pisgah N. Forest, Mt. Pisgah	1924	1	CU

Speyeria diana (Cramer) 1779North Carolina

Cedar Mt.	1932	1	CU
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Pennsylvania

New Brighton	1908	1	FMNH
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South Carolina

Charleston	1927	1	AMNH
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Greenville	1971	1	CAS
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Tennessee

Chattanooga	1895	3	USNM
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Deer Lodge	1926	4	USNM
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Gr. Smoky Mts. N. P., Cades Cove	1962	7	USNM
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Falls, Fall Cr.	1959	2	FSCA
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Gr. Smokey Mtn. N. P., Sevier Co.	1975	1	FSCA
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Grand View	1921	1	AMNH
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Cumberland Gap	1929	1	AMNH
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Monteagle	1931	3	AMNH
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Deer Lodge	1926	1	AMNH
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Crabtree	1927	1	AMNH
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Burrrville, Morgan Co.	1950	4	FMNH
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Cumberland Co., Crossville	1949	1	FMNH
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Cumberland Mt. State Park	1949	1	FMNH
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Deer Lodge	1926	2	FMNH
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Nashville	1928	1	FMNH
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Grand View	1921	2	AMNH
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Speyeria diana (Cramer) 1779Tennessee

Deer Lodge	1914/16	1/1	LACM
Deer Lodge	1926-37	3	LACM
Roan Station	1899	1	LACM
Smoky Mt. Nat. Pk.	1937	1	LACM
Sunbright	1937	1	LACM
Smoky Mts. Park	1937	1	FMNH
Deer Lodge	1936	2	INHS
Chattanooga	1931	3	INHS
Soddy	1931	1	CAS
Monteagle	1930	3	CU

Virginia

Surry Co., Spring Grove	1938	6	USNM
Surry Co., Cabin Point	1939	1	USNM
Blacksburg	-	2	USNM
Burkes Garden	1940	3	USNM
Bath Co., Warm Springs	1922-24	4	USNM
Giles Co., Mtn. Lake	1942	1	USNM
Bedford Co., Apple Orchard Mt.	1934	2	USNM
Wise Co., Tacoma	1940	1	USNM
Iron Mt.	1896	1	USNM
McDowell	1939	1	USNM
White Top Mtn.	1936	1	USNM
Jack Mtn.	1939	1	USNM

Speyeria diana (Cramer) 1779Virginia

Jamestown	1939	1	USNM
Washington Co.	1907	1	USNM
Montgomery Co.	1900-02	18	USNM
Montgomery Co., Poverty Hollow	1938/61	2/1	USNM
Bush Mtn.	1960	3	USNM
Blacksburg	1972	1	USNM
Montgomery Co., Brush Mtn.	1960	1	USNM
Suffolk	1945	8	AMNH
Holland	1944	1	AMNH
Surry Co.	1944	2	AMNH
Blacksburg	1912	1	AMNH
Giles Co., Mountain Lake	1955	1	AMNH
Blacksburg	1896	6	FMNH
Montgomery Co.	1899	1	FMNH
No data	1901	1	LACM
Blacksburg	1900	1	LACM
Rockbridge Co., Camp Powhatan	1938	6	LACM
Rockbridge Co., Ft. Louis Mt.	1938	1	LACM
Montgomery Co.	1896	2	LACM
Giles Co., Mt. Lake	1955/57	1/1	LACM
Roanoke Co., Salem	1936-37	8	LACM
Mt. Lake	1934	10	CMNH

Speyeria diana (Cramer) 1779Virginia

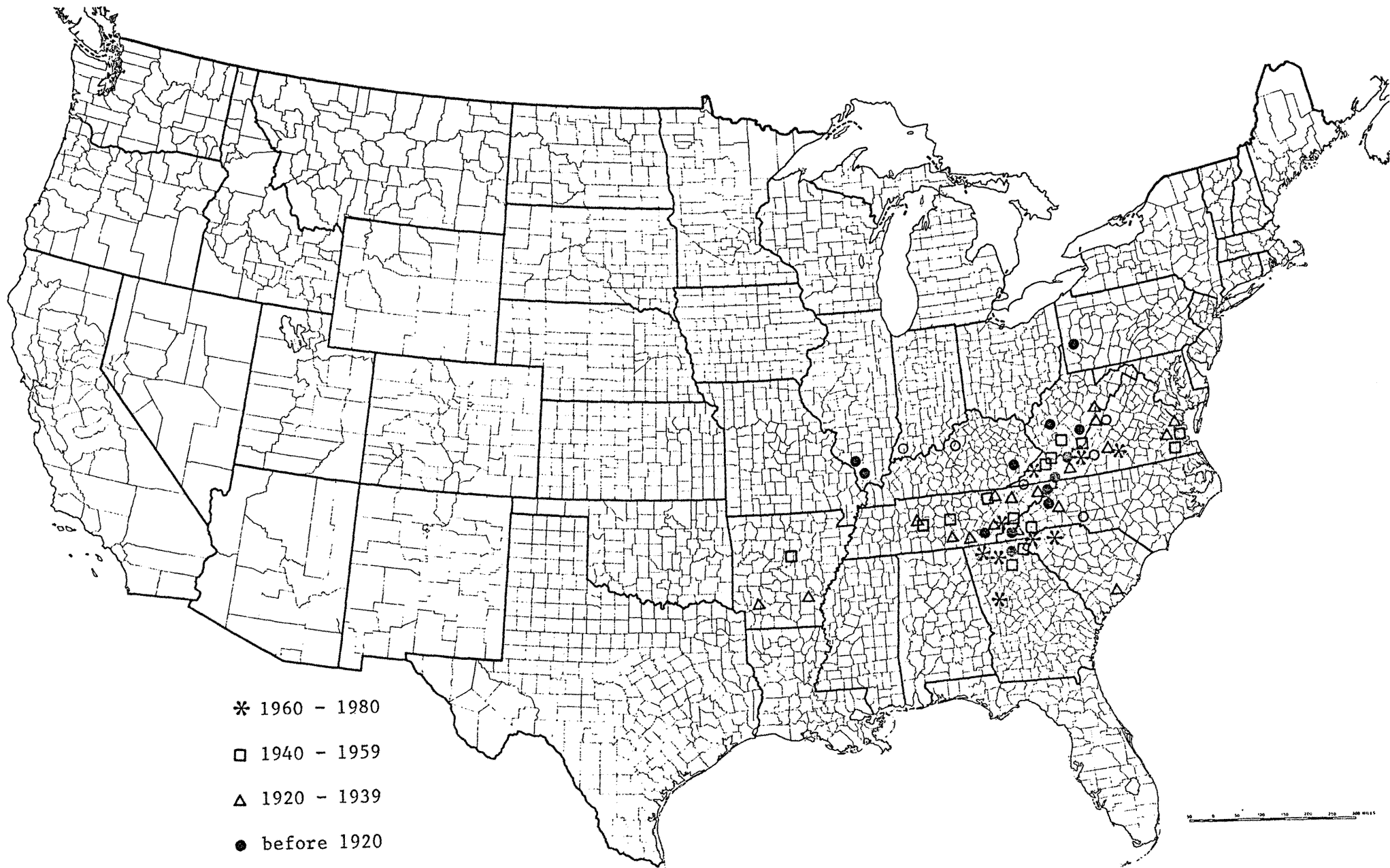
Salem	1937	2	CMNH
Damanus, Holston Mt.	1941	1	CMNH
Spring Grove	1940	1	CMNH
Montgomery Co.	-	3	CMNH
Montgomery Co., Blacksburg	1974	1	INHS
Hot Springs	-	3	MCZ
Montgomery Co.	-	3	MCZ
Kanawha	-	2	MCZ
Pennington Gap	-	2	MCZ
Montgomery Co., Poverty Hollow	1969	24	CAS
Mountain Lake	1957	2	CAS
Otter Creek	1962	1	CAS
Blacksburg	1969	2	CAS
Wise Co., 4 mi. N. Appalachia	1978	5	CAS
Giles Co., Salt Pond Mtn. nr. Mt. Lake	1946	1	CIS
No data	1914	2	CU
No data	-	9	CU

West Virginia

No data	1889	4	USNM
Monroe Co., Kire	1957	2	USNM
Coalburgh	1891	1	CNC
No data	-	3	AMNH
Kanawah Valley	1884	1	CMNH

Speyeria diana (Cramer) 1779West Virginia

Charlestown	1900	1	INHS
White Sulphur Springs	1896	2	MCZ



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date



Speyeria hydaspes conquista dos Passos and Grey 1945

(Lepidoptera: Nymphalidae: Argynninae)

dos Passos, C. F. and L. P. Grey. 1945. A new species and some new subspecies of Speyeria (Lepidoptera, Nymphalidae). American Museum Novitates, no. 1297, p. 8. (original description)

Comstock, J. A. 1940. Argynnid notes. Bulletin of the Southern California Academy of Sciences 39:75. (biology of S. hydaspes)

dos Passos, C. F. and L. P. Grey. 1947. Systematic catalogue of Speyeria (Lepidoptera, Nymphalidae) with designations of types and fixations of type localities. American Museum Novitates no. 1370. (Speyeria catalogue; type-locality fixed)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co., Inc., New York, p. 240. (notes on distribution)

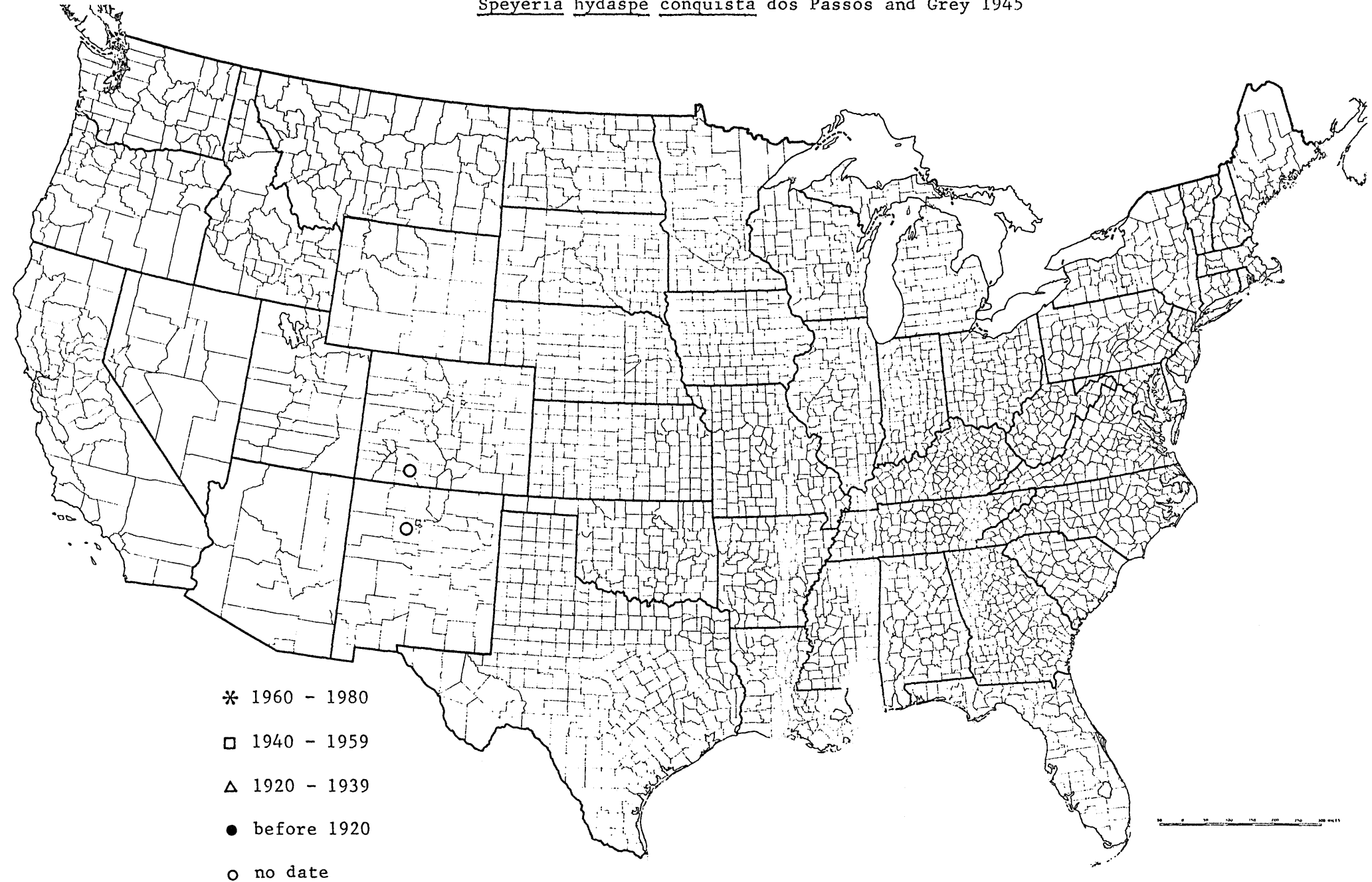
Type-locality: Little Tesuque Canyon, near Sante Fe, Sante Fe County, New Mexico, 8000 feet.

Speyeria hydaspe conquista dos Passos and Grey 1945

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Colorado</u>			
San Juan Mts.	-	2	CNC
<u>New Mexico</u>			
Jemez Springs (determined as "near <u>conquista</u> ")	-	1	USNM
Sante Fe Co., Little Tesuque Canyon near Sante Fe (holotype)	1941	1	AMNH

Speyeria hydaspes conquista dos Passos and Grey 1945



Speyeria idalia (Drury) 1770

(Lepidoptera: Nymphalidae: Argynninae)

Drury, D. 1770. Illustrations of Exotic Entomology 1, pl. 13.

(original description)

Edwards, W. H. 1879. Description of preparatory stages of Argynnis

idalia, Drury. Canadian Entomologist 11:217. (biology)

dos Passos, C. F. and L. P. Grey. 1947. Systematic catalogue of Speyeria

(Lepidoptera; Nymphalidae) with designations of types and fixations

of type localities. American Museum Novitates no. 1370. (Speyeria

catalogue; type-locality fixed)

Klots, A. B. 1951. A field guide to the butterflies of North America,

east of the Great Plains. Houghton Mifflin Co., Boston, p. 86.

(notes on biology and distribution)

Hovanitz, W. H. 1963. Geographical distribution and variation of the

genus Argynnis. Journal of Research on Lepidoptera 1(2):117-23.

(distribution)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co.,

Inc., New York, p. 217. (notes on biology, distribution and decline)

Type-locality: New York City, New York

Speyeria idalia (Drury) 1770

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Colorado</u>			
Wray	-	1	CMNH
<u>Connecticut</u>			
Weston	1941	1	USNM
Washington	1959-61	12	AMNH
Greenwich	-	1	AMNH
Sharon	1940	1	AMNH
Stamford	1936	1	AMNH
Litchfield	1961	1	AMNH
Stamford	1891	1	MCZ
Coventry	1967	1	CAS
New Haven	1925	11	CU
<u>Illinois</u>			
No data	-	4	USNM
Ridgeland	1896	1	CNC
Chicago	1914	2	AMNH
Chicago	1941	10	AMNH
Harvard	-	13	CMNH
Chicago	-	1	CMNH
Antioch	1924	1	INHS
Algonquin	1907	1	INHS

Speyeria idalia (Drury) 1770Illinois

Grundy Co., Devine, Goose Lake	1968	1	INHS
Grundy Co., Devine, Goose Lake	1968	1	INHS
1 mi. SE Crete	1965	7	INHS
Volo Bog	1926	3	INHS
La Grange	1937	2	INHS
Chicago	1899	2	INHS
Berwyn	1916	2	INHS
Palos Peak	1947	6	INHS
St. Anne	1936	1	INHS
Galerberg	-	1	INHS
Leroy	1907	1	INHS
Mason Co., Sand Ridge State Forest	1975	1	INHS
Chicago, Oak Park	-	2	MCZ
Mercer Co.	1954	3	CAS

Indiana

No data	-	1	USNM
Culver	1962	1	INHS

Iowa

Des Moines	1930	12	AMNH
Des Moines	1956	1	CMNH
Near L. W. Okoboji, Lakeside Labs.	1959	1	CMNH
Lake Okoboji	1922	1	CAS

Speyeria idalia (Drury) 1770Kansas

Lawrence	1938	3	USNM
Lawrence	1960	2	USNM
Donaldson Past., Riley Co.	1968	10	USNM
Eureka	1940	1	USNM
Topeka	-	2	USNM
Hamilton	1926	1	USNM
Oswego, Labette Co.	1968	3	USNM
Manhattan, Riley Co.	1968	2	USNM
Elmdale, Chase Co.	1962	1	FSCA
Near Lawrence, Douglas Co.	1964	1	FSCA
Sand Hills, Ottawa	1949	2	AMNH
Sand Hills, Ottawa	1958	1	AMNH
Baldwin Hill	1951	3	AMNH
Mears Park, Franklin Co.	1961	3	AMNH
Manhattan, Riley Co.	1971	2	AMNH
Jo. Co.	1956	2	AMNH
Lawrence, West Hills Pioneer Cemetery	1950	1	AMNH
Douglas Co., Lawrence	1960-62	15	CAS
Douglas Co.	-	1	CU

Maryland

No data	-	3	USNM
Brinklow	1904	1	USNM

Speyeria idalia (Drury) 1770Massachusetts

Woods Hole	1891	2	USNM
No data	-	1	USNM
Fall River	1928	1	ASP
Nantucket	1908	1	AMNH
Nantucket	-	9	MCZ
Nantucket	1878	1	MCZ
Granby	1883	1	MCZ
Wollaston	1883	1	MCZ
Lexington	1897	1	MCZ
Woods Hole	1919/27	4/1	CU

Michigan

Detroit	1938	1	USNM
Spring Lake	1925	1	CU

Minnesota

Clay Co., Hawley	1967	6	USNM
Minneapolis	1949	1	CAS
Minneapolis	1896	1	CU

Missouri

Lowry City	1961	3	FSCA
Oseola	1961	1	FSCA
Lowry City, St. Clair Co.	1961	2	AMNH
Oseola, St. Clair Co.	1963	2	AMNH
St. Clair Co., Lowry City	1961	4	CAS
St. Clair Co., Osceola	1962	4	CAS
Vernon Co.	1959	2	CIS



Speyeria idalia (Drury) 1770Nebraska

Glensco	1912	1	AMNH
Martell	1958	1	CMNH
Douglas Co., Valley	1969	1	INHS
Lancaster Co., 8.8 km. W. of Crete Corner	1962	9	CAS
Jamaica	1962	1	CAS
Lancaster Co., near Martell	1958	9	CAS
Ames	1960	1	CAS
Fremont	1903	1	CAS
Pilger	1927	1	CAS
Dodge Co.	-	2	CAS
Loratto	1914	1	CAS
Brown Co., 8 mi. SE Jonestown	1976	1	CAS
Lancaster Co., Lincoln	1960	1	CIS
Omaha	1917	2	CIS
Omaha	1923	3	CU
Ogallala	1952	1	CU
Central City, Platte R.	1949	1	CU

New Hampshire

Farmington	1881	2	MCZ
North Hampton	1932	1	CAS

New Jersey

Pluckemin	1958	3	USNM
Sterling, Possaic R. Swamp	1951	1	USNM
Oak Ridge	1904	2	USNM

Speyeria idalia (Drury) 1770New Jersey

Jamesbury	1904	1	USNM
Culvers Lake	1947	1	USNM
No data	-	1	USNM
Rosella Park	1911	2	USNM
Plainfield	-	1	AMNH
Jamesburg	1938	1	AMNH
Morris Co.	1939	3	AMNH
Green Village	1938	5	AMNH
Stirling	1951	2	AMNH
Nyack, South Mtn.	1915	3	AMNH
Paterson	1904	2	AMNH
Newark	-	2	AMNH
Orange Mts.	1951	2	AMNH
Elizabeth	1905	1	AMNH
Westfield	1915	1	AMNH
Princeton	1900	3	CMNH
Crawford	1912	4	MCZ
Paterson	1918	1	CAS

New York

Alleghany St. Pk.	-	1	USNM
No data	-	6	USNM
Long Island, Corona	-	2	USNM

Speyeria idalia (Drury) 1770New York

Long Island, Central Park	1916	1	USNM
Bedford	1938	3	FSCA
Bedford	1942	2	FSCA
Mt. Kisco	1915	2	AMNH
Croton	1919	2	AMNH
Hempstead	1941	1	AMNH
Somers	1922-34	3	AMNH
Bedford	1932	3	AMNH
New York and vicinity	-	2	AMNH
Lake Charlotte	1918	1	AMNH
Albany	1933	2	AMNH
Rye	1933	1	AMNH
Ghent	-	3	AMNH
Oakdale	1910	1	AMNH
Long Island, Wantagh	1913	1	AMNH
New York and vicinity	1920	1	CU
No data	-	2	CU
L.I., Say Harbor	1922	1	CU
Chaffee	1927	1	CU
Crystal Lake	1931	1	CU

Speyeria idalia (Drury) 1770North Carolina

Near Linville Falls	1962	1	USNM
Alleghany Co., New River at Co. Rd.	1968	1	AMNH

North Dakota

McLeod, Ransom Co.	1972	1	USNM
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Ohio

Sylvania	1940	1	USNM
Russell	1938	7	CU
Wakeman	1933	1	CU
Oakopenings, Lucas Co.	1941	1	USNM
Millport	1916	3	CMNH
Millport	1925	8	CMNH
Summittville	1932	2	CMNH
Mohican State Park	1959	1	CMNH
Wooster	1959	1	CMNH
Sylvania	1939	1	CAS
Canton	1938	1	CAS

Pennsylvania

Delaware Co.	1889	2	USNM
Sciota, Monroe Co.	1930	1	USNM
Eastern	-	1	USNM
Castle Rock	1947	1	USNM
Gilbert, Monroe Co.	1972	1	USNM

Speyeria idalia (Drury) 1770Pennsylvania

York. Holtwood	1925	2	ASP
Mt. Airy	1928	3	ASP
Pittsburgh vicinity	1918	8	AMNH
Butler	1944	1	AMNH
Pittsburgh	1899	12	CMNH
Gettysburg	1886	1	CMNH
Alleg. Co., Oak Station	1919	4	CMNH
Butler	-	7	CMNH
Sharpsburg	-	1	CMNH
Beaver Co., Darlington	1965	27	CMNH
Slippery Rock	1939	1	CAS

Rhode Island

No data	-	1	USNM
Westerly	1929	1	CMNH

South Dakota

Volga	-	1	AMNH
No data	-	1	CNC

Virginia

Blacksburg	-	1	USNM
Spottsylvania	1922	1	USNM
Orange Co.	1922	1	USNM
Fairfax Co.	1911	1	USNM
Blacksburg	1960	3	USNM

Speyeria idalia (Drury) 1770Virginia

Blacksburg	1961	1	USNM
Konnarock	1936	1	USNM
Difficult Run	1936	1	USNM
Montgomery Co.	1926	4	USNM
Gainsboro	1936	1	USNM
Afton, Montgomery Co.	1961	1	USNM
Draper	1938	1	USNM
Mt. Vernon	1937	6	CNC
Salem	1940	1	AMNH
Skyline nr. Salem	1940	1	CAS

Washington, D.C.

No data	-	5	USNM
No data	1908	2	USNM
No data	1930	3	USNM

West Virginia

Konawha Station	1915	1	USNM
Wellsburg	1931	1	USNM
Wellsburg	1931	3	AMNH
Clay Co., Clay	-	2	CMNH
Lewis Co., Jackson's Mill	-	1	CMNH
Pughtown	1933	1	CU

Wisconsin

Worden Township, Clark Co.	-	1	AMNH
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Speyeria idalia (Drury) 1770CanadaOntario

Strathrox

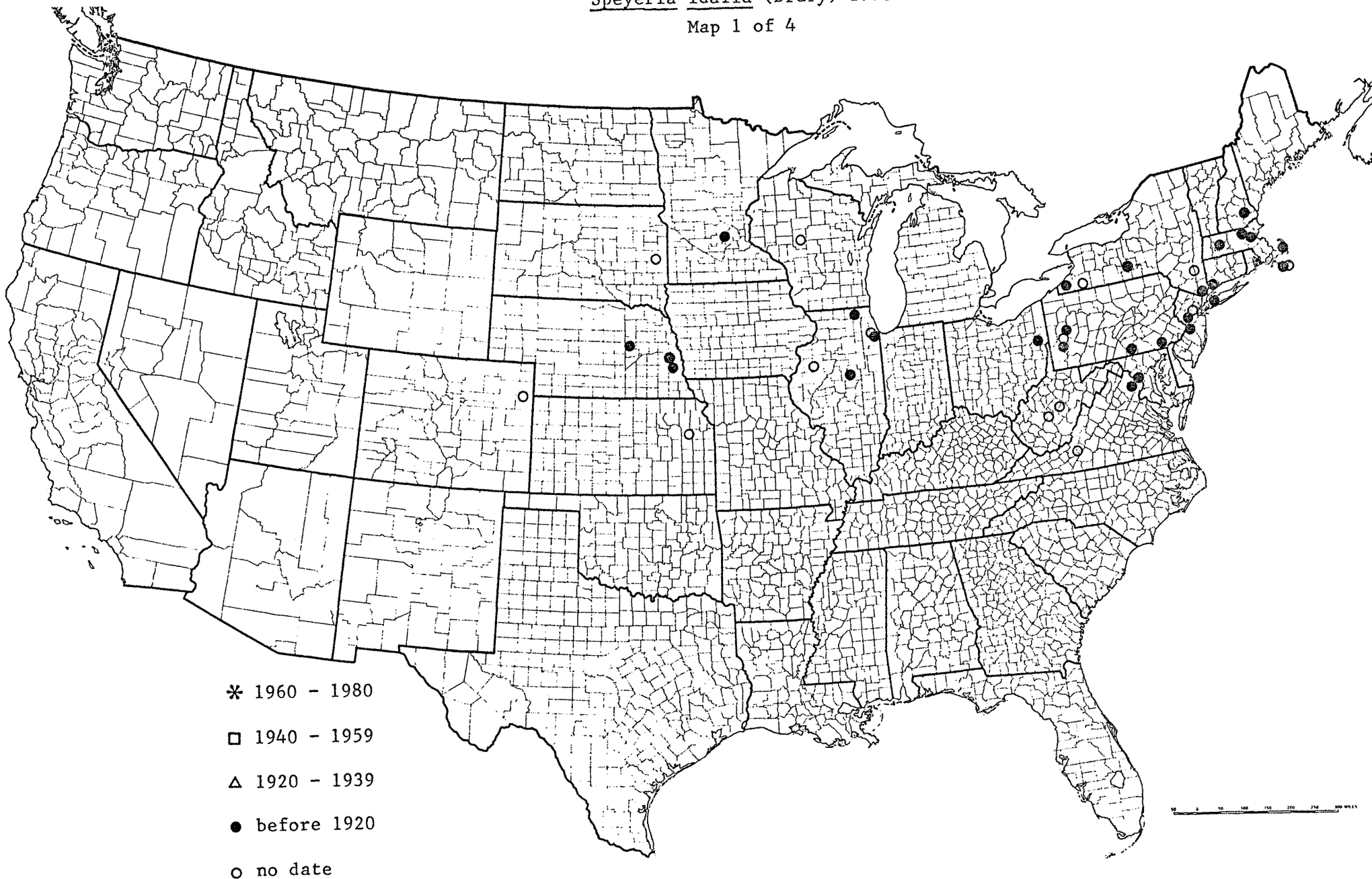
1938

6

CNC

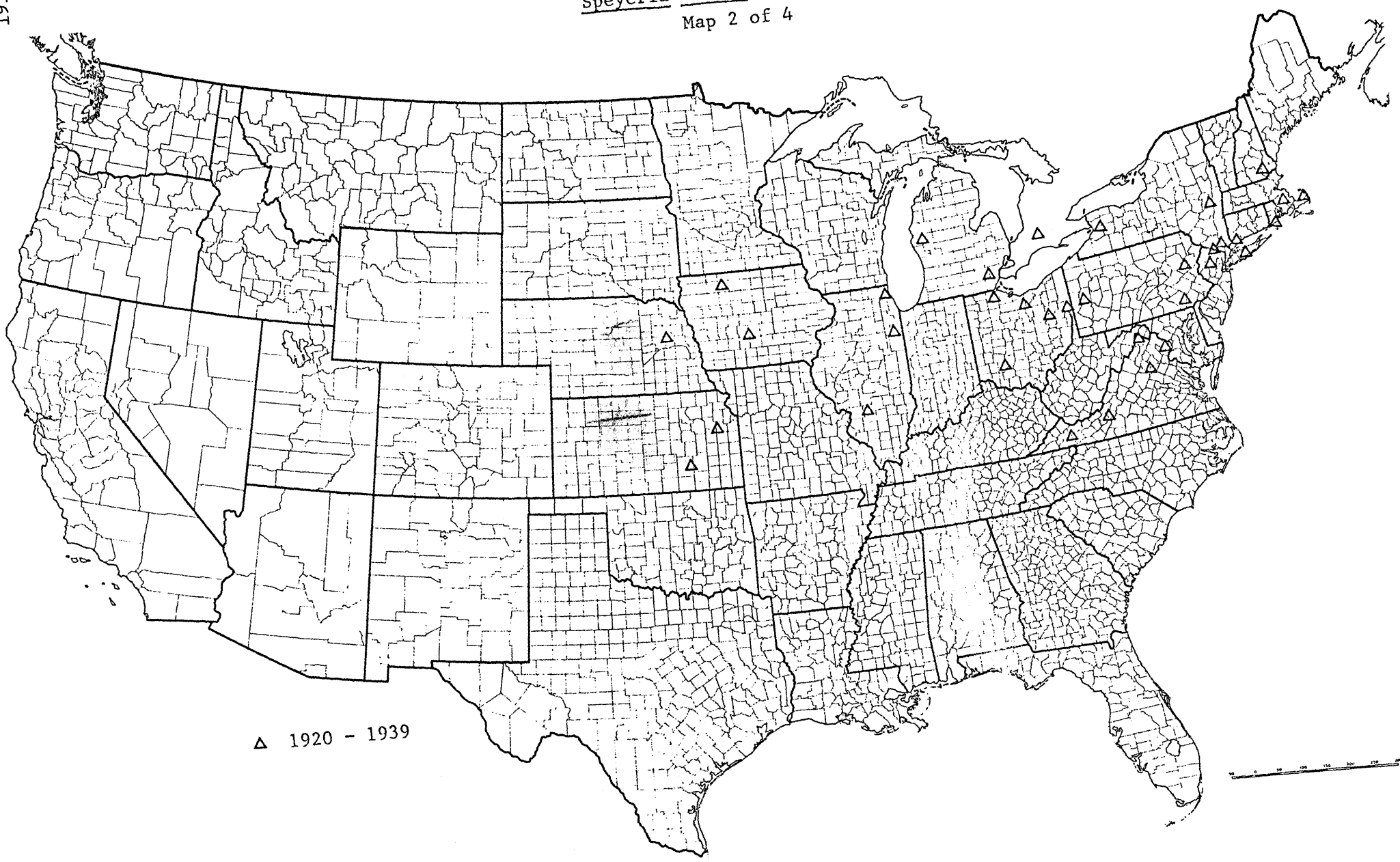
Speyeria idalia (Drury) 1770

Map 1 of 4



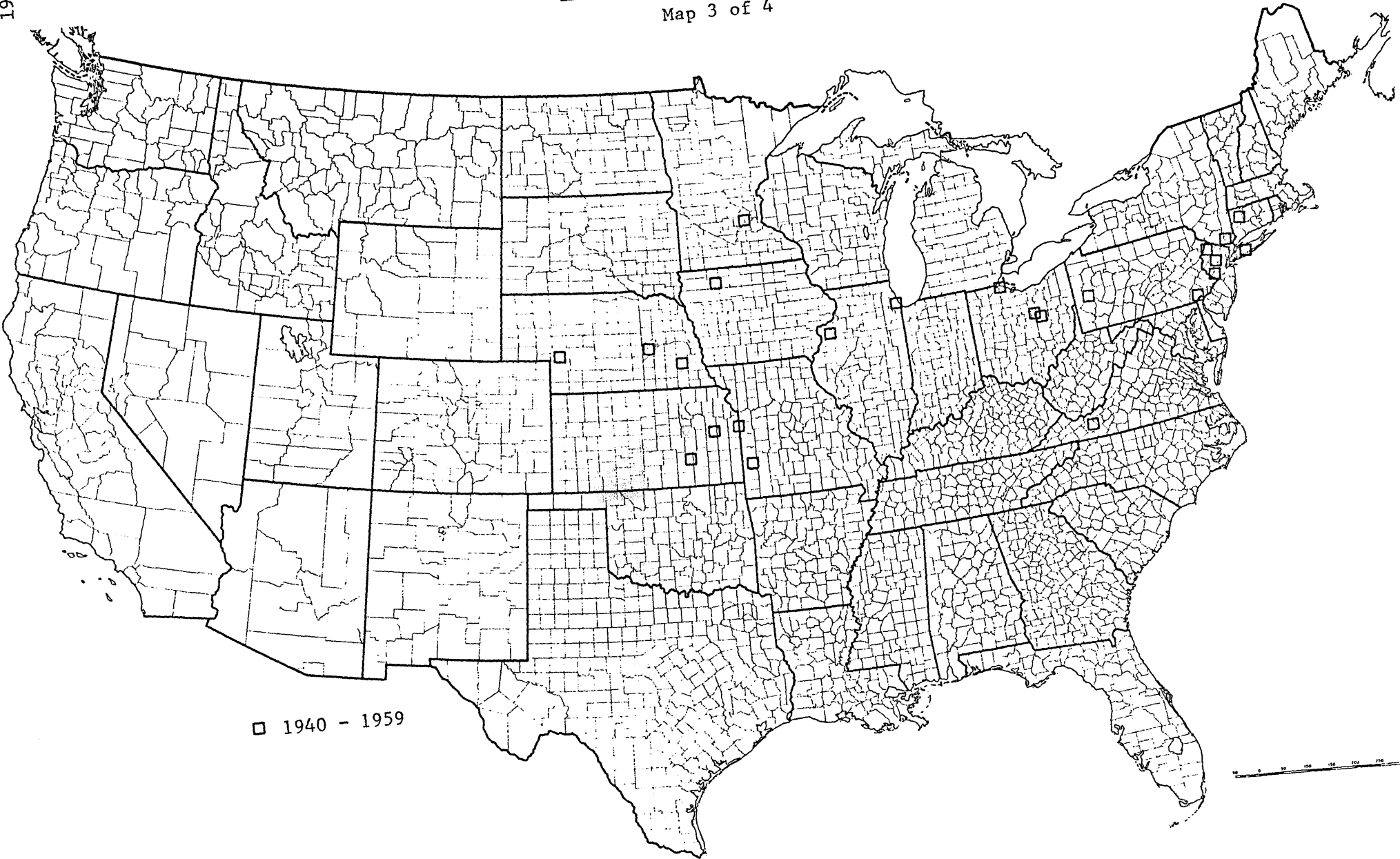


Speyeria idalia (Drury) 1770  
Map 2 of 4

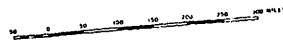


*Speyeria idalia* (Drury) 1770

Map 3 of 4



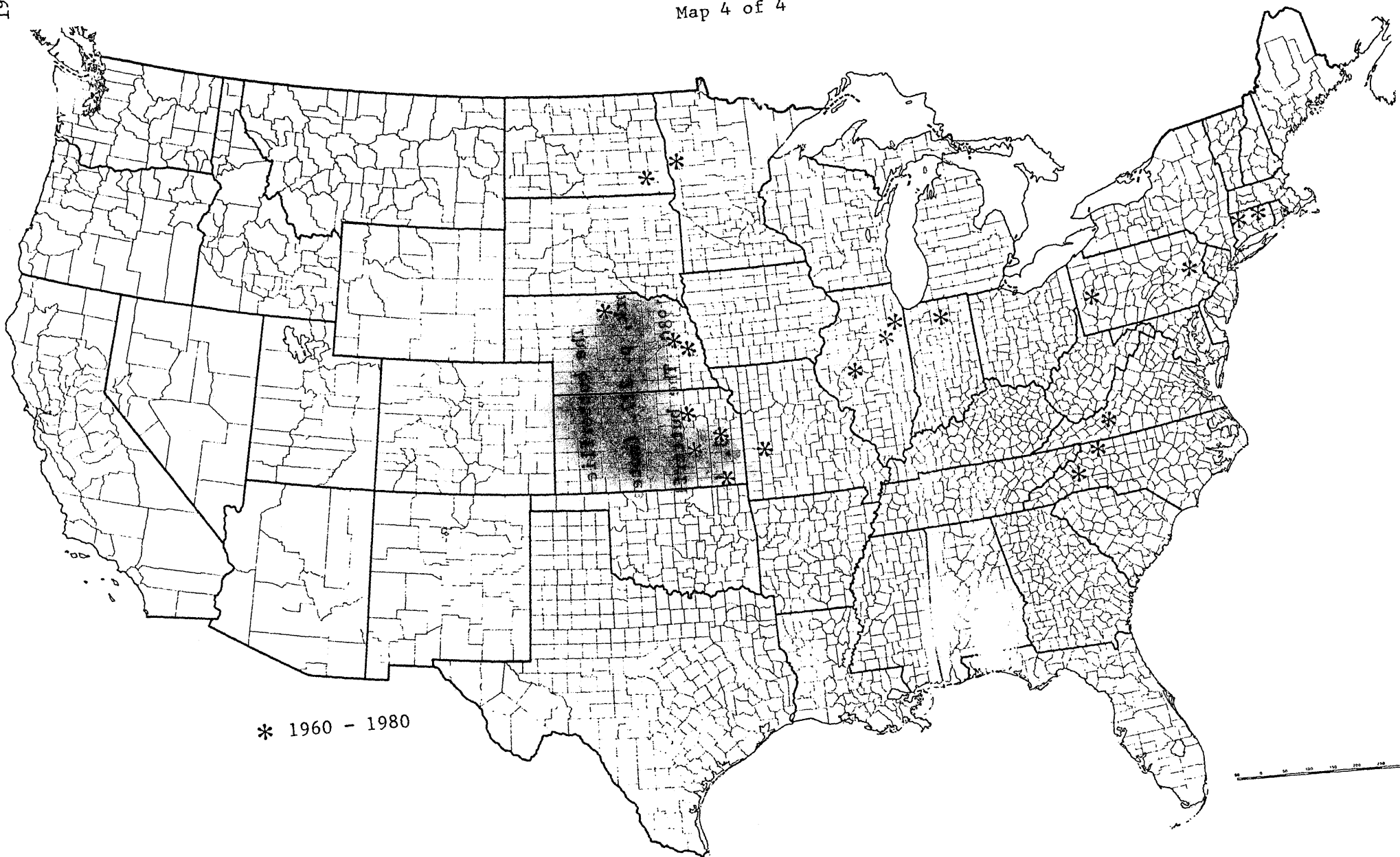
□ 1940 - 1959



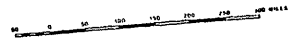
*Speyeria idalia* (Drury) 1770

Map 4 of 4

191



\* 1960 - 1980



Speyeria zerene behrensii (Edwards) 1869

(Lepidoptera: Nymphalidae: Argynninae)

Edwards, W. H. 1869. Descriptions of new species of diurnal

Lepidoptera found within the United States. Transactions of the  
American Entomological Society 2:370 (original description)

dos Passos, C. F. and L. P. Grey. 1947. Systematic catalogue of Speyeria  
(Lepidoptera, Nymphalidae) with designations of types and fixations  
of type localities. American Museum Novitates no. 1370, p. 13.

(type-data)

Howe, W. H. 1975. The butterflies of North America. Doubleday and Co.,  
Inc., New York, p. 227. (notes on distribution)

Dornfeld, E. J. 1980. The butterflies of Oregon. Timber Press, Forest  
Grove, Oregon, pp. 77, 243. (notes on distribution and threatened  
habitat)

Type-locality: Mendocino, California

Speyeria zerene hippolyta (Edwards) 1879

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Quincy	1897	2	MCZ
Siskiyou Co.	-	2	MCZ
Trinity, Brown's Mead	1928	1	CU
<u>Oregon</u>			
No data	-	3	USNM
Yamhill Co., Baker Creek	31	1	FSCA
Oceanside	1930	1	CNC
No data	-	1	CNC
Tillamook Co., Oceanside	1930/37	1/5	AMNH
East Creek	1937	1	AMNH
Lake Co., Dairy Cr., vic. Happy Camp	1972	1	AMNH
Tillamook Co., Cape Meares Lighthouse	1931	1	AMNH
Trail	1925-26	6	INHS
<u>Washington</u>			
No data	1936	1	AMNH
L. Crescent, Rosemary Inn	1923/41	1/1	AMNH
Mt. Rainier	1927	1	AMNH

Speyeria zerene hippolyta (Edwards) 1879Washington

Takoma	1917	1	AMNH
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Tenino	-	1	INHS
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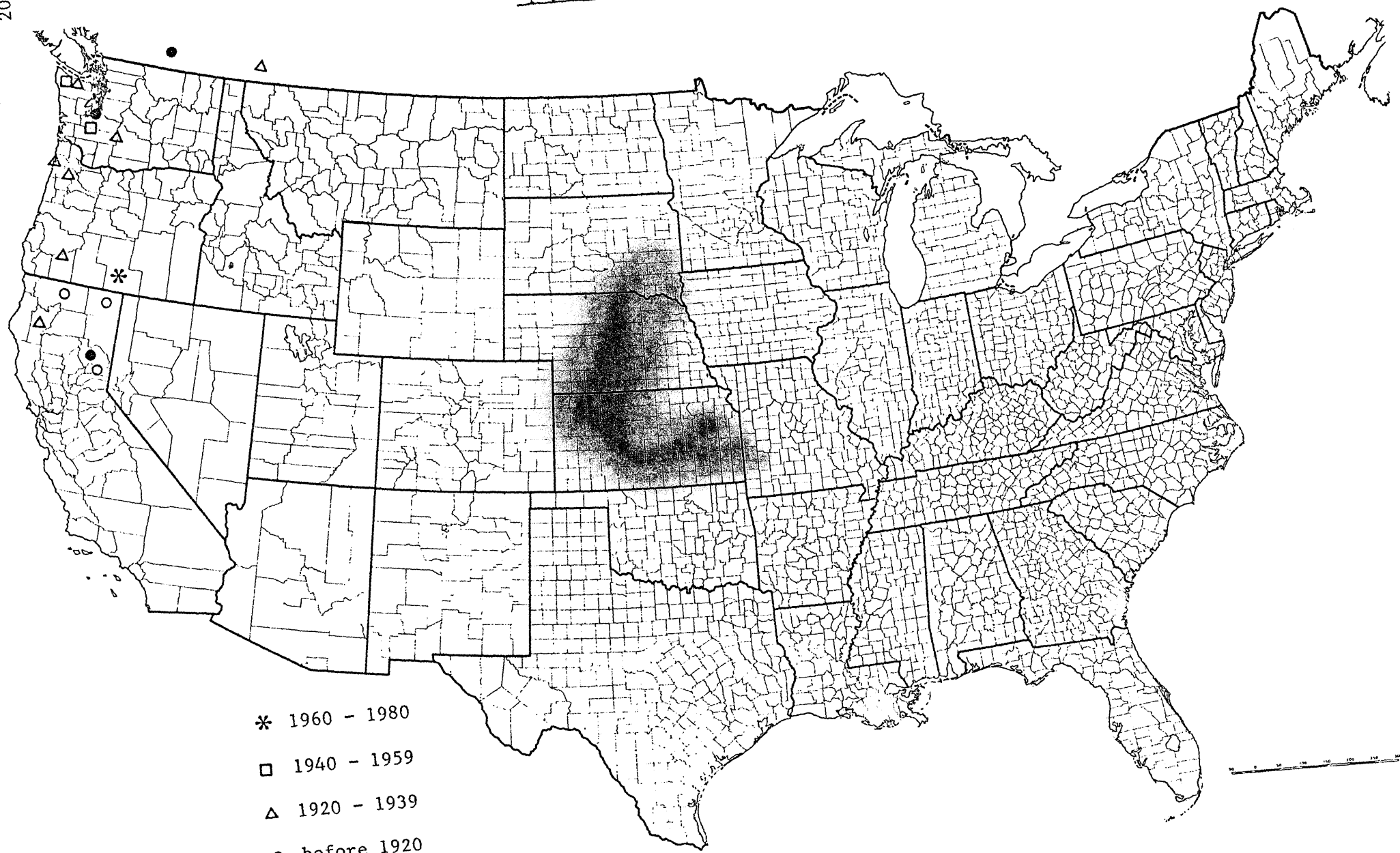
Canada

British Columbia, Cranbrook	1926	1	FMNH
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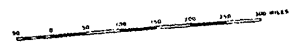
B. C., Okanagan Valley	1901	1	CMNH
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*Speyeria zerene hippolyta* (Edwards) 1879

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- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Cicindela arenicolor Rump 1967

(Coleoptera: Cicindelidae)

Rump, N. L. 1967. A new species of Cicindela from Idaho  
(Coleoptera: Cicindelidae). Proceedings of the California  
Academy of Sciences, 35:129-140.

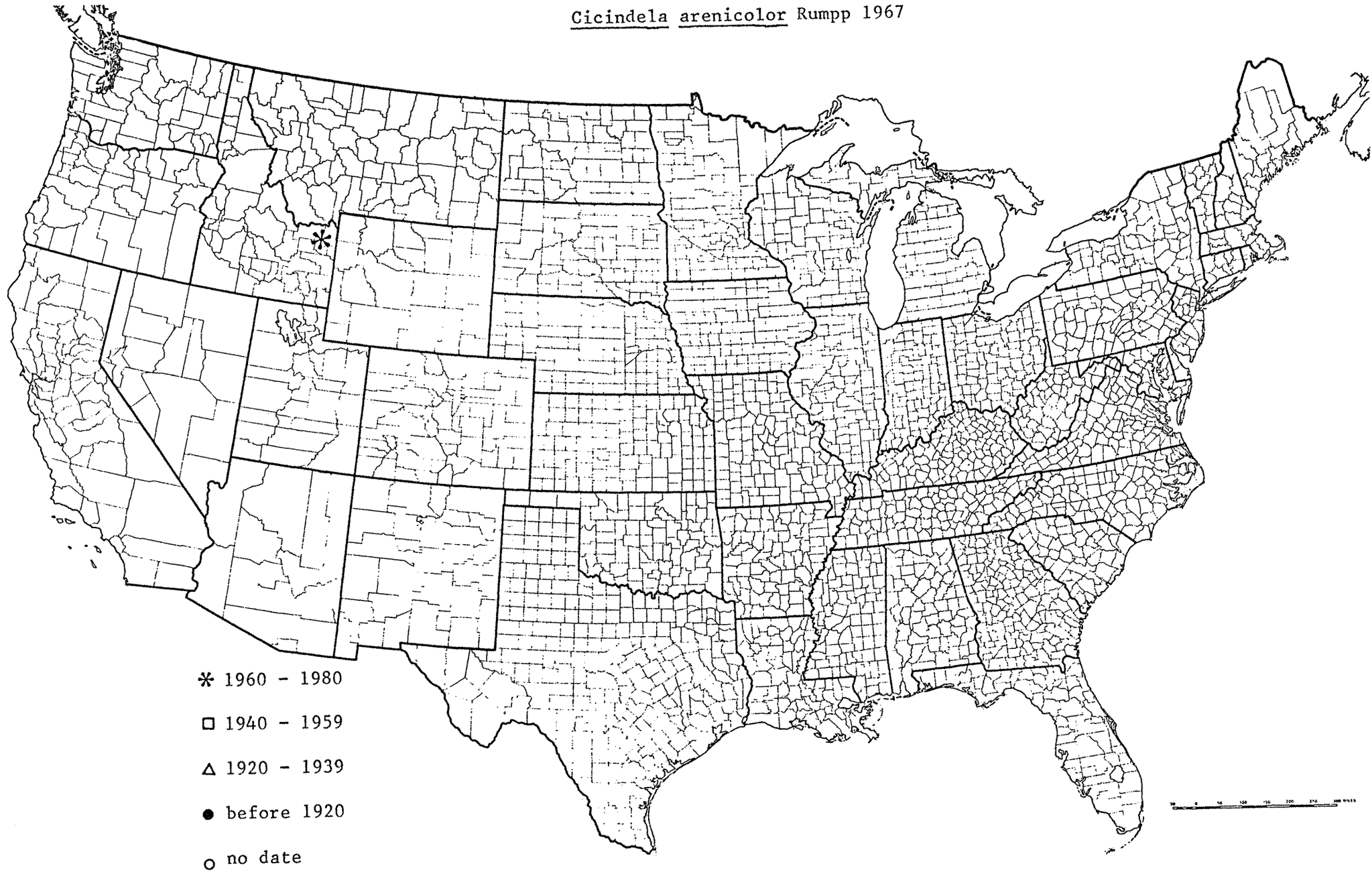
Type-locality: Snake River Valley, S. Idaho.



Cicindela arenicolor Rumpp 1967

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Idaho</u>			
St. Anthony Sand Dunes	1970	1	FSCA
Fremont Co., 8 mi. NNE of Anthony	1970	3	FSCA
6 mi. NW St. Anthony	1963	1	AMNH
St. Anthony Sand Dunes	1964	1	AMNH
Fremont Co., Sand Dunes 7 mi. NW St. Anthony	1970	10	AMNH

Cicindela arenicolor Rump 1967

Cicindela columbica Hatch 1938

(Coleoptera: Cicindelidae)

- Hatch, M. H. 1938. The Coleoptera of Washington: Carabidae: Cicindelinae. University of Washington Publications in Biology, 1:225-240. (original description)
- Hatch, M. H. 1949. Studies on the Coleoptera of the Pacific Northwest I. Pan-Pacific Entomologist, 25:113-118. (notes on habitat and distribution)
- Hatch, M. H. 1953. The beetles of the Pacific Northwest. Part I: Introduction and Aephaga. University of Washington Press, Seattle, vii + 340 pp. (notes on distribution)
- Freitag, R. 1965. A revision of the North American species of the Cicindela maritima group with a study of hybridization between Cicindela duodecimguttata and oregona. Quaestiones Entomologicae, 1:87-170. (notes on distribution and relationships)
- Rumpp, N. L. 1967. A new species of Cicindela from Idaho (Coleoptera: Cicindelidae). Proceedings of the California Academy of Sciences (Ser. 4), 35(7):129-140. (notes on distribution and relationships)
- Beer, F. M. 1971. Note on Cicindela columbica Hatch. Cicindela, 3(2):32. (notes on distribution)
- Leffler, S. R. and D. L. Pearson. 1976. Tiger beetles of Washington. Cicindela, 8:21-60. (notes on habitat, habitat alteration, biology and distribution)

Cicindela columbica Hatch 1938

Type-locality: Washington, Franklin County, Perry

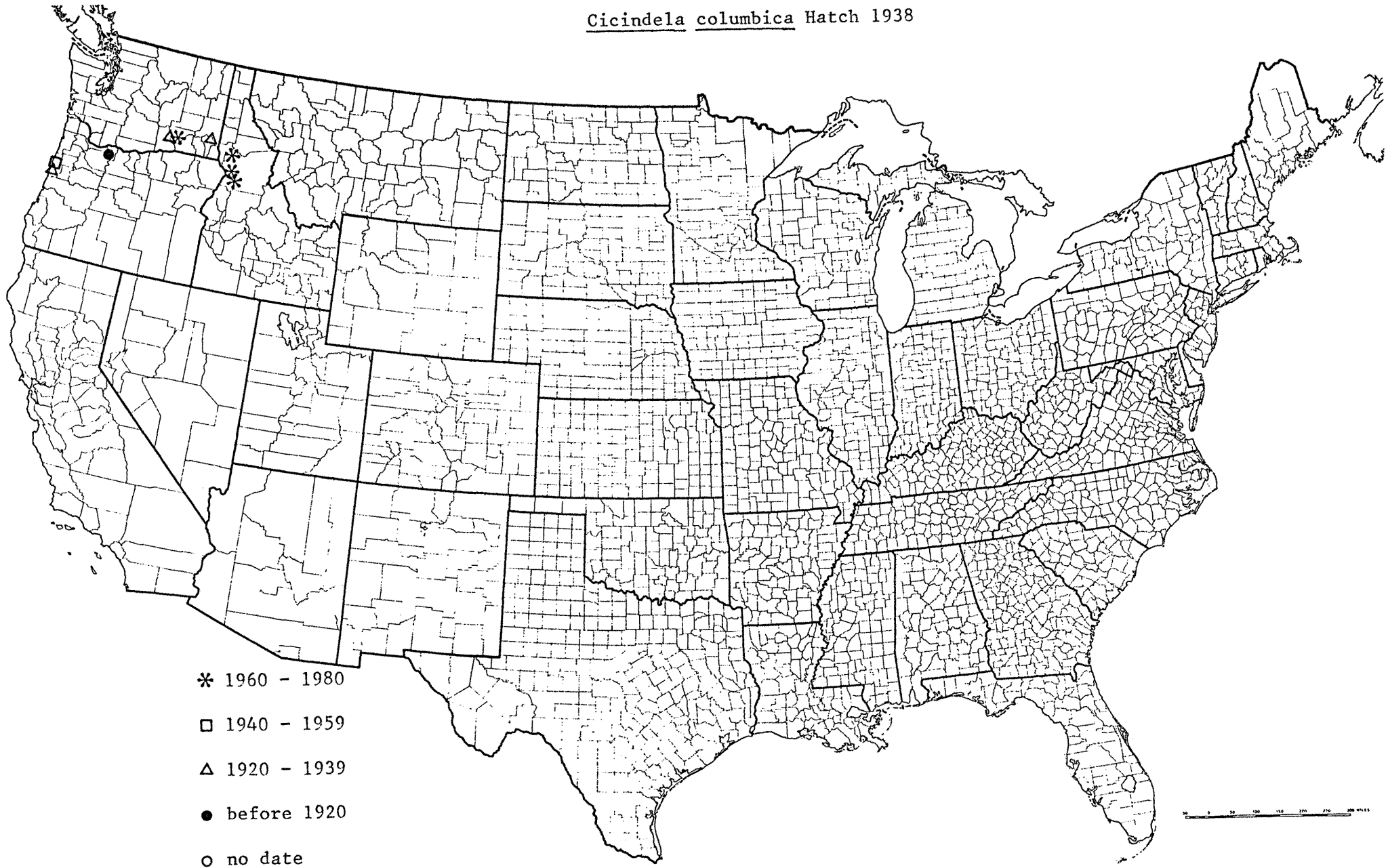
Cicindela columbica Hatch 1938

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Idaho</u>			
Idaho Co., 1 mi. SW Slate Cr.	1979	3	CAS
Lewis Co., Maloney Cr.	1979	4	CAS
Lewis Co., T31N R2W 57	1979	3	CAS
Idaho Co., T31N R2W 519	1979	1	CAS
Idaho Co., White House Bar	1979	3	CAS
Idaho Co., T31N R1W 531	1979	3	CAS
Idaho Co., Packers Creek	1979	1	CAS
Idaho Co., T30N R1W 515	1979	7	CAS
<u>Oregon</u>			
Waldport	1938	1	CAS
Lincoln Co.	1948	1	CAS
Hood River	1914	1	OSU
<u>Washington</u>			
Franklin Co., Perry	1962	1	LACM
16 mi. NE Charleston	1973	1	AMNH
Whitman Co., Snake River	1939	7	OSU
Perry (holotype)	1927	1	OSU

NOTE: "16 mi. NE Charleston, Washington" has not been located on maps.

Cicindela columbica Hatch 1938



Cicindela dorsalis dorsalis Say, 1817

(Coleoptera: Cicindelidae)

- Say, T. 1817. Descrip. of several new spec. of No. Amer. insects.  
Journal of the Academy of Sciences of Philadelphia, 1:19-23.  
(original description)
- LeConte, J. L. 1857. Revision of the Cicindelidae of the United  
States. Transactions of the American Philosophical Society,  
11:27-63. (notes on habitat and distribution)
- Cresson, E. T. 1861. Catalogue of the Cicindelidae of North America.  
Proceedings of the Entomological Society of Philadelphia,  
1:7-20. (notes on habitat and distribution)
- Schaupp, F. G. 1883-4. Synopsis of the Cicindelidae of the United  
States of North America. Bulletin of the Brooklyn Entomological  
Society, 6:73-108, 121-127. (notes on habitat and distribution)
- Liebeck, C. 1890. Cicindelidae of a season. Entomological News,  
1(10):158-160. (notes on habitat and distribution)
- Leng, C. W. 1902. Revision of the Cicindelidae of Boreal America.  
Transactions of the American Entomological Society, 28:93-186.  
(notes on habitat and distribution)
- Fox, H. 1910. Observations on Cicindelidae in northern Cape May County,  
N. J., during the summers of 1908-09. Entomological News, 21:75-82.  
(notes on habitat and distribution)
- Stamatov, J. 1972. Cicindela dorsalis Say endangered on northern  
Atlantic coast. Cicindela, 4(4):78. (habitat and distribution notes)

Cicindela dorsalis dorsalis Say (continued)

- Leffler, S. R. 1973. Tiger beetles from Assateague Island National Seashore, Virginia. *Cicindela*, 5(2):35-37. (habitat and distribution notes)
- Boyd, H. P. 1975. Overlapping ranges of Cicindela dorsalis dorsalis and C. d. media, with notes on the Calvert Cliffs area, Maryland. *Cicindela*, 7(13):55-59. (notes on habitat and distribution)
- Glaser, J. D. 1977. Letter re. decimation of C. dorsalis population on Maryland portion of Assateague Island. *Cicindela*, 9(1):12. (habitat destruction by recreational vehicles)
- Glaser, J. D. 1976. Cicindelids of Chesapeake Bay revisited. *Cicindela*, 8(1):17-20. (notes on habitat and distribution)
- Boyd, H. P. 1978. The tiger beetles (Coleoptera: Cicindelidae) of New Jersey with special reference to their ecological relationships. *Transactions of the American Entomological Society*, 104:191-242. (notes on habitat and distribution)



Cicindela dorsalis dorsalis Say 1817

## LOCALITY DATA

Locality	Year	Number of Specimens	Depository
<u>Delaware</u>			
No data	-	3	LACM
Rehoboth	1944	7	USNM
Rehoboth	1912	1	USNM
Rehoboth	1912	3	FMNH
<u>Maryland</u>			
Ocean City	1926	1	CNC
Kenwood Beach	1954	1	CNC
Baltimore	-	2	CMNH
Hay's Beach	1949	2	CIS
<u>Massachusetts</u>			
Nantucket	-	3	AMNH
Chatham	1919	2	AMNH
Edgertown	1940	1	AMNH
Katama, Martha's Vineyard	1924	3	AMNH
Nantucket Is.	-	1	INHS
Chatham	1919	6	CAS
Nantucket Is.	-	3	MCZ
<u>New Jersey</u>			
No data	-	8	LACM
Sandy Hook	-	17	AMNH
Cape May	1902	7	AMNH
No data	-	1	UBC

Cicindela dorsalis dorsalis Say 1817New Jersey

Lakehurst	1923	1	AMNH
Brngtby. Dist.	1980	4	AMNH
Point Pleasant	1910	5	AMNH
Barnegat City	1907	1	AMNH
Island Bch.	1934	1	AMNH
Ocean City	1928	7	AMNH
Ocean City	1934	4	AMNH
L. Beach Island	1928	1	AMNH
Cape May Co., Sea Isle City	1949	61	AMNH
Cape May Co., Anglesea	1912	2	AMNH
Cape May Co., Anglesea	1949	50	AMNH
Wildwood	1934	7	AMNH
Atlantic City	1927	3	CMNH
5 mile Bch.	-	3	CMNH
Brigantine	1924	3	CMNH
Squaw	-	17	CMNH
Sea Isle City	1923	3	CMNH
Ocean City	1922	2	CMNH
Anglesea	-	1	CMNH
Wildwood	1930	12	CMNH
No data	-	13	CMNH
Spring Lake	-	35	CMNH
No data	-	27	INHS
Corsons Inlet	1923	1	CU
No data	-	2	CU

Cicindela dorsalis dorsalis Say 1817New Jersey

Anglesea	1922	5	INHS
Anglesea	1901-20	15	CAS
Avalon	1908	2	CAS
Mantolo King	1907	4	CAS
Squaw Beach	1902	1	CAS
Stoneharbor	1924	1	CAS
Peermont	1924	1	CAS
Ship Bottom	1937	24	CIS
Cape May	1902	1	CIS
Ocean City	1933	2	CIS
Ocean City	1945	2	USNM
Highlands	1907	100	USNM
Cape May	-	2	USNM
Atlantic City	-	1	USNM
Sea Isle City	1926	6	USNM
Brigatine	1929	4	USNM
Barnegat	1938	9	USNM
Wildwood	1920	2	USNM
Stone Harbor	1910	1	USNM
Avalon	1908	5	USNM
Island Heights	1901	1	USNM
Atlantic City	1905	4	USNM
Squaw Beach	1927	6	USNM
Avalon	1930	1	OSU

Cicindela dorsalis dorsalis Say 1817New Jersey

Stone Harbor	1923	1	USNM
Anglesea	1925	5	USNM
Avalon	1947	1	USNM
Peermont	1916	5	FMNH
Anglesea	1896	2	FMNH
Mantolo King	1907	1	FMNH
Mantolo King	1907	2	MCZ
Atlantic City	-	2	MCZ
Ventnor	1905	7	MCZ
Ocean City	1905	2	MCZ
Anglesea	1902	1	MCZ
Pt. Pleasant	1905	2	MCZ
Cape Pt. May	1908	5	MCZ
Cape May Co., Fishing Creek	1910	3	MCZ

New York

Coney Island	-	11	LACM
L. I., Montauk	1925	1	FSCA
L. I., Montauk	1925	6	CNC
Coney Island	-	1	CNC
Montauk	1925	24	CMNH
Long Island, Long Beach	1925	1	CMNH
L. I., Cold Spring Harbor	1922	1	CMNH
No data	-	7	INHS
No data	-	1	UBC
Montauk	1933	11	UBC
Montauk	1940	1	CU

Cicindela dorsalis dorsalis Say 1817New York

Montauk	1935	2	INHS
L. I., Long Beach	1911	1	INHS
L. I., Gilgo Beach	1922	2	INHS
L. I., Cold Spring Harbor	-	1	INHS
Rockaway Bch.	-	1	INHS
No data	12	1	INHS
Long Beach	1923	1	CAS
Montauk	1925	1	CAS
Oak Island	-	4	USNM
Long Island	-	2	USNM
Jones Beach	1930	8	USNM
Montauk Point	1934	12	USNM
Long Island	1929	2	USNM
Montauk	1931	12	USNM
Napeeaave Beach	1928	1	USNM
Rockaway Beach	1902	9	USNM
Long Beach	-	1	FMNH
L. I., Oak Is. Beach	1915	5	FMNH
Montauk	1940	5	FMNH
No data	-	12	FMNH
Fire Island	1935	1	FMNH
L. I., Gilgo	1915	7	MCZ
Oak Island Beach	1915	1	OSU
Montauk	1939	1	OSU

Cicindela dorsalis dorsalis Say 1817New York

L. I., Rockaway	-	11	MCZ
L. I., Edgemere	1895	2	MCZ
L. I., Arverne	1898	1	MCZ
L. I., Long Beach	1900	6	MCZ
L. I., Coney Island	1891	3	MCZ
L. I., Fire Island	1895	2	MCZ
Far Rakeway	1917	1	AMNH
Jones Beach	1930	9	AMNH
L. I., South Hampton	1907	1	AMNH
L. I., Amityville	1900	3	AMNH
L. I., Hempstead Bay	1909	1	AMNH
Long Island	1907	2	AMNH
Cold Spring Harbor	1928	1	AMNH
Montauk	1955	1	AMNH
Barren Is.	1890	1	AMNH
L. I., Quioque	1906	3	AMNH
L. I., Good Ground	1920	1	AMNH
New York City	-	2	AMNH
Napeague	1932	1	AMNH

Pennsylvania

No data	-	1	LACM
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Rhode Island

Narragansett	1916	3	CNC
Washington Co., Block Island	1966	1	OSU

Cicindela dorsalis dorsalis Say 1817Rhode Island

Narragansett	1916	3	AMNH
Long Beach	-	4	AMNH
Kingston	1899	2	CAS
Kingston	1899	1	USNM
Narragansett Pier	1918	2	USNM
Narragansett	-	1	USNM
No data	-	2	FMNH
Kingston	-	1	MCZ
Narragansett Pier	1914	6	MCZ

Cicindela dorsalis media LeConte 1857

(Coleoptera: Cicindelidae)

LeConte, J. L. 1857. Revision of the Cicindelidae of the United States. Transactions of the American Philosophical Society, 11:27-63. (original description)

Schaupp, F. G. 1883-4. Synopsis of the Cicindelidae of the United States of North America. Bulletin of the Brooklyn Entomological Society, 6:73-108, 121-127. (notes on habitat and distribution)

Glaser, J. D. 1976. Cicindelids of Chesapeake Bay revisited. Cicindela, 8(1):17-20. (notes on habitat and distribution)

Boyd, H. P. 1978. The tiger beetles (Coleoptera: Cicindelidae) of New Jersey with special reference to their ecological relationships. Transactions of the American Entomological Society, 104:191-242. (notes on habitat and distribution)



Cicindela dorsalis media LeConte 1857

## LOCALITY DATA

Locality	Year	Number of Specimens	Depository
<u>Alabama</u>			
Ft. Morgan	1908	2	USNM
Baldwin Co.	-	1	USNM
<u>Delaware</u>			
Rehoboth	1934	1	CMNH
No data	-	2	INHS
<u>Florida</u>			
Indian River Co., Sebastian Inlet	1965	1	CU
Ft. Pierce, Pepper Park	1965	2	CU

Cicindela dorsalis media LeConte 1857

## LOCALITY DATA

Locality	Year	Number of Specimens	Depository
<u>Florida</u>			
No data	-	2	LACM
St. Augustine	1938	6	FSCA
Pompano	1954	1	FSCA
Haulover	1946	1	FSCA
Marineland	1946	1	FSCA
St. Johns Co.	1953	2	FSCA
Miami	1938	1	FSCA
Dade Co., Virginia Key	1935	1	FSCA
Miami Bch.	1926	1	FSCA
Martin Co., Jensen	1935	3	AMNH
Broward Co., Fort Lauderdale	1925	1	AMNH
Brevard Co., Eau Gallie Beach	1938	3	AMNH
St. Johns Co., St. Augustine	1925	1	AMNH
Jacksonville	1908	2	AMNH
Marineland	1940	3	AMNH
St. Johns Co., Vilano Beach	1948	72	AMNH
Palm Beach Co., Jupiter	1948	8	AMNH
Miami	1913	3	AMNH
Dade Co., Palm Beach	1948	5	AMNH

Cicindela dorsalis media LeConte 1857Florida

St. Augustus	1950	7	AMNH
St. Augustine	1948	2	FMNH
Jacksonville	1949	2	FMNH
Melbourne	-	1	FMNH
Lake Worth	-	18	CMNH
No data	-	8	CMNH
Sanibel Island	1923	1	CMNH
P. Orange	-	3	INHS
No data	-	6	INHS
Miami, Ocean Beach	1913	2	MCZ
Jupiter	-	3	MCZ
No data	-	16	MCZ
Marco	-	2	MCZ
New Smyrna	1929	6	MCZ
West Jupiter	1896	1	MCZ
No data	-	15	CAS
Talbot	1941	4	CAS

Georgia

St. Simons Island	1929	1	FSCA
Camden Co., Cumberland Island	1976	1	FSCA
Brunswick, Jekyll Is. St. Pk.	1959	1	FSCA
St. Simons Island	1931-41	10	AMNH
St. Simons Island	1950	73	AMNH

Cicindela dorsalis media LeConte 1857Georgia

St. Simons Island	1911	1	MCZ
Tybee	1912	1	MCZ
Tybee	1926	1	CAS

Maryland

Prince Frederick	1940	5	USNM
Kenwood Beach	1950-59	6	USNM
Plum Point	1949	1	USNM
Breezy Point Beach	1950	3	USNM

North Carolina

Ocracoke Island	1967	1	LACM
Long Beach	1950	2	FSCA
Myrtle Beach (S. Carolina)	1963	1	FSCA
Beaufort	1950	3	AMNH
Smiths Island	-	2	AMNH
Beaufort	1941	6	FMNH
No data	-	1	MCZ
Wilmington	1916	1	CAS
Beaufort	1903	1	CAS
Beaufort	1950	2	CIS
Long Beach	1950	1	CIS
Wilmington	1906	1	USNM
Smiths Island	-	4	USNM
Hyde Co., Ocracoke Island	1967	13	CU

Cicindela dorsalis media LeConte 1857Pennsylvania

Lansdowne	1933	6	AMNH
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South Carolina

Folly Beach	1926	2	FSCA
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Horry Co.	1954	1	FSCA
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Folly Beach	1926	3	CNC
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Hilton Head	1932	6	CNC
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Hilton Head	1965	66	CNC
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Hunting Is. nr. Beaufort	1958	8	CNC
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Hilton Head	1932	1	AMNH
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Myrtle Beach	1939	4	AMNH
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Folly Beach	1926	1	AMNH
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Charleston	1930	2	AMNH
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McClellanville	1945	2	AMNH
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Charleston	1930	1	FMNH
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Myrtle Beach	1940	1	FMNH
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Folly Beach	1926	1	CAS
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Holly Island Beach	1901	14	USNM
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Isle of Palms	1931	3	USNM
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Pawleys Island	1929	1	USNM
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Myrtle Beach	1930	18	USNM
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Folly Beach	1932	2	USNM
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Hilton Head	1932	2	USNM
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Seabrooks Island	1934	2	OSU
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Isle of Pines	1931	1	UBC
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Cicindela dorsalis media LeConte 1857South Carolina

Charleston, Seabrooks Is.	1933	11	USNM
Charleston	1927	1	USNM

Virginia

Delmarva Penin.	1941	2	FSCA
Cobbs Island	1892	7	AMNH
Cape Henry	-	1	AMNH
Cape Henry	-	1	INHS
No data	-	2	INHS
Newport News	-	1	INHS
Fort Monroe	1907	1	USNM
Delmarva Peninm	1941	1	USNM
Rehoboth Beach	1941	1	USNM
Cape Charles	1934	1	USNM
Ft. Monroe	1882	2	USNM
Virginia Beach	-	1	USNM
Hog <sup>g</sup> Island	1924	1	USNM

New Jersey

Wildwood	1923	3	FMNH
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Cicindela dorsalis saulcyi Guerin-Meneville 1840

(Coleoptera: Cicindelidae)

Guerin-Meneville. 1840. Rev. Zool., Paris III:37. (original description.)

LeConte, J. L. 1857. Revision of the Cicindelidae of the United States. Transactions of the American Philosophical Society 11:27-63. (notes on habitat and distribution)

Schaupp, F. G. 1883-4. Synopsis of the Cicindelidae of the United States of North America. Bulletin of the Brooklyn Entomological Society, 6:73-108, 121-127. (notes on habitat and distribution)

Cazier, M. A. 1954. A review of the Mexican tiger beetles of the genus Cicindela (Coleoptera: Cicindelidae). Bulletin of the American Museum of Natural History 103:230-309. (notes on distribution in Arcas Islands, Mexico, and Cuba)

Graves, R. C. and D. L. Pearson. 1973. The tiger beetles of Arkansas, Louisiana and Mississippi (Coleoptera: Cicindelidae). Transactions of the American Entomological Society 99:157-203. (habitat and distribution data)

Type-locality: Pensacola, Florida

Cicindela dorsalis saulcyi Guerin-Meneville 1840

## LOCALITY DATA

Locality	Year	Number of Specimens	Depository
<u>Alabama</u>			
Mobile	-	1	CNC
Baldwin Co., Gulf Shores	1950	18	AMNH
Baldwin Co., Fort Morgan Penin.	1950	30	AMNH
Baldwin Co.	1913	2	AMNH
Baldwin Co.	1939	1	AMNH
Fort Morgan	1908	5	AMNH
Gulf Shore	1932	1	AMNH
Jefferson Co., Birmingham	1957	3	FMNH
Baldwin Co., Gulf Shores	1957	4	FMNH
Mobile Bay	1903	1	CMNH
Fort Morgan	1908	8	MCZ
Mobile	-	2	MCZ
Mobile	1908	8	CAS
Dauphin	1918	3	CAS
Dauphin Island	1912	2	CAS
No Data	1908	4	USNM
Fort Morgan	1908	4	USNM
Mobile	1908	4	USNM
Orange Beach	1930	1	CU



Cicindela dorsalis saulcyi Guerin-Meneville 1840Alabama

Fort Morgan	1904-08	4	USNM
Dauphin Island	1913	4	USNM

Florida

Bay Co., Sunnyside	1952	3	FSCA
Franklin Co., 3 mi. SW Carrabelle	1971	1	FSCA
Pinellas Co.	1952	3	FSCA
Collier Co., Marco Key	1958	1	FSCA
Tampa	1927	1	FSCA
Fernandina Beach	1960	1	FSCA
Pinellas Co., St. Petersburg	1972	1	FSCA
Gordon Pass	1934	1	FSCA
Gasparville Key	1967	2	FSCA
Destin	1959	1	FSCA
Flagler Beach	1950	2	AMNH
Brevard Co., Titusville	1948	42	AMNH
St. Lucie Co., Vero Bch.	1948	3	AMNH
Palm Beach Co., Jupiter	1948	48	AMNH
Charlotte Co., Punta Gorda Bch.	1948	19	AMNH
Sanibel Island	1923	3	AMNH
Lake Worth	1902	2	AMNH
Gasparville Key	-	1	AMNH
Tampa	1907	1	AMNH

Cicindela dorsalis saulcyi Guerin-Meneville 1840Florida

Franklin Co., Carrabelle	1948	250	AMNH
Bay Co., Panama City Beach	1948	24	AMNH
Franklin Co., 5 mi. N. Port St. Joe	1948	40	AMNH
10 mi. S. Port St. Joe	1948	40	AMNH
Franklin Co., Apalachicola	1948	14	AMNH
Sanibel Island	1923	1	FMNH
No data	-	2	FMNH
Lake Worth	-	1	FMNH
Okaloosa, Destin	1948	2	FMNH
White Sand Bch., west of Destin	1959	3	FMNH
No data	-	5	MCZ
Marco	-	7	MCZ
Jupiter	-	1	MCZ
Miami, Ocean Beach	1913	1	MCZ
Gulfport, Boca Cieja Pass	1914	2	MCZ
Miami	1918	3	USNM
Gulf Co., Port St. Joe	1968	11	USNM
Sanibe Island	1923	1	USNM
Capron	1904	1	USNM
Seven Oaks	1908	2	USNM
Marco	-	2	USNM
Mayport	-	1	USNM

Cicindela dorsalis saulcyi Guerin-Meneville 1840Florida

Marineland	1940	3	USNM
Clearwater Beach	1945	16	USNM
Venice	1936	5	USNM
Lake Worth	-	2	USNM
N. Smyrna	-	3	USNM
Biscayne	1907	1	USNM
Sarasota	1969	5	CU
Gulf Co., Cape San Blas	1965	3	CU
Gulf Co., St. Joe Beach	1965	4	CU
Manatee Co., Longboat Key	1965	11	CU
St. Park, Fort Pickens	1961	13	CU
Sarasota, Longboat Key	1910	6	CU
Dunedin	1926	2	CU

Georgia

Richmond, Jekyll Is. St. Park	1959	1	USNM
No data	-	1	MCZ
Tybee Island	1905-17	14	USNM
Savannah	-	2	USNM
Jekyll Island	1923	3	USNM
St. Simons Island	1931	20	USNM
Spring Creek	1916	1	CU

Cicindela dorsalis saulcyi Guerin-Meneville 1840

Louisiana

Cameron	1908	1	CNC
Cameron	1908	1	CAS
Cameron	1908	2	USNM
Grand Island	1942	1	USNM
Johnson Bayou	1942	1	USNM

Mississippi

Ocean Springs	1931	3	CAS
No data	-	1	CMNH
Island off Biloxi	1915	4	MCZ
Biloxi	1905-10	4	USNM
Horn Island	1944	4	USNM
Ocean Springs	1931	3	CU

CUBA

Santiago de Cuba	-	8	AMNH
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Cicindela dorsalis venusta LaFerte-Senectere 1841

(Coleoptera: Cicindelidae)

LaFerte-Senectere. 1841. Rev. Zool., Paris IV:37. (original description)

Cazier, M. A. 1954. A review of the Mexican tiger beetles of the genus Cicindela (Coleoptera: Cicindelidae). Bulletin of the American Museum of Natural History 103:230-309. (notes on distribution in Tamaulipas, Mexico)

Graves, R. C. and D. L. Pearson. 1973. The tiger beetles of Arkansas, Louisiana and Mississippi (Coleoptera: Cicindelidae). Transactions of the American Entomological Society 99:157-203. (notes on habitat and distribution)

Type-locality: "Texas"

Cicindela dorsalis venusta LaFerte-Senectere 1841

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Alabama</u>			
Dauphin Island	1960	1	LACM
Dauphin Island	1957	10	FSCA
Fort Morgan	1908	1	FSCA
Fort Morgan	1908	4	AMNH
Baldwin Co., Ft. Morgan Penin.	1950	31	AMNH
Baldwin Co., Gulf State Park, South Shore	1950	20	AMNH
Dolphin Is. ( <u>saulcyi</u> x <u>venusta</u> )	1961	4	FMNH
Mobile	-	2	MCZ
Fort Morgan	1908	8	MCZ
Baldwin Co.	1915	3	MCZ
Dauphin	1918	5	CAS
Mobile	1908	8	CAS
<u>Florida</u>			
Marco	-	1	LACM
Clearwater Bch.	1949	9	CNC
Franklin Co., 9 mi. W. Carabell	1938	11	AMNH
No data	-	1	FMNH

Cicindela dorsalis venusta LaFerte-Senectere 1841Florida

Sanibel Island	1923	1	CAS
Gulf Shore nr. Pensacola	1950	4	CAS

Georgia

St. Simons Island	1929	3	FMNH
St. Simons Island	1911	1	CU

Iowa

No data	-	1	INHS
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Louisiana

Jefferson Par.	1967	1	FSCA
Cameron	1908	2	AMNH
Breton Island	1930	1	FMNH
Cameron	1908	5	MCZ
Cameron Co., 5 mi. E. Holly Beach	1964	3	OSU

Mississippi

Oxford	1948	1	CNC
Lafayette Co.	1949	1	CNC
Biloxi	1911	1	AMNH
Mississippi City	-	3	CMNH
No data	-	12	INHS
Island off Biloxi	1915	13	MCZ
No data	-	1	MCZ
Ocean Springs	1931	2	CAS
Ocean Springs	1931	44	CU

Cicindela dorsalis venusta LaFerte-Senectere 1841

Texas

Galveston Co., E. end of Galveston

Island	1971	2	FSCA
Cameron Co., Boca Chica	1968	2	OSU
Galveston	1918	8	CU
No data	-	1	CU
17 mi. W. Sabine Pass	1956	10	CU
Cameron Co., Padre Island	1964	1	CU



Cicindela dorsalis venusta LaFerte-Senectere 1841Texas

10 mi. SW Sabine Pass	1968	1	FSCA
Brownsville, Boca Chica	1963	2	CNC
Galveston	-	3	CNC
Jefferson Co., 10 mi. SW Sabine	1948	11	AMNH
Chambers Co., High Island	1948	38	AMNH
San Patricio Co., Portland	1948	19	AMNH
Galveston	-	5	AMNH
Galveston Co., Port Bolivar	1948	3	AMNH
Matagorda	1948	42	AMNH
Padre Island	1948	126	AMNH
Padre Island	1938	5	AMNH
Brownsville	1912	3	AMNH
Brownsville	1947	3	AMNH
Cameron Co., Boca Chica	1948	54	AMNH
Padre Is. nr. Port Isabel	1963	4	AMNH
Galveston	1921	3	AMNH
Padre Island	1924	8	FMNH
Galveston	-	3	FMNH
No data	-	6	FMNH
Cameron Co., Del Mar	1949	10	FMNH
Galveston	-	3	CMNH
S. end Padre Island	1908	7	INHS
Galveston	-	14	MCZ

Cicindela dorsalis venusta LaFerte-Senectere 1841Texas

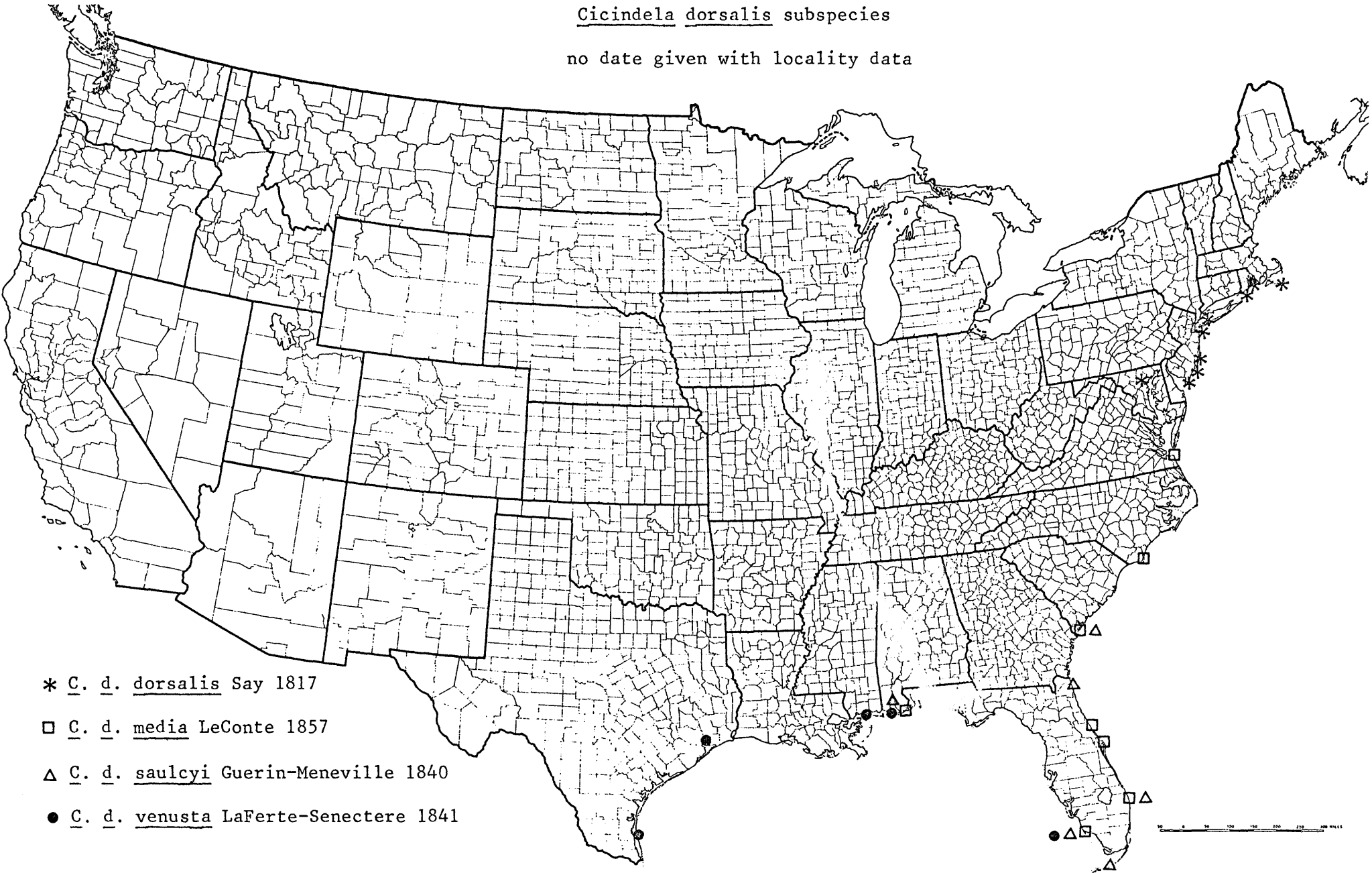
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Padre Island	-	5	MCZ
Galveston	1918	2	CAS
Port Isabel	1949	6	CAS
Galveston	1909	6	CAS
Boca Chica	1932	6	CAS
Corpus Cristi	1942	1	CAS
Padre Island	1952	26	CIS
Beach nr. Matagorda	1963	4	USNM
Galveston	1906-14	11	USNM
Mustang Island	1960	1	USNM
Boca Chica	1951	10	USNM
Padre Island	-	1	USNM
Mouth of Rio Grande	1918	1	USNM
Port Isabel	1905-12	4	USNM
Brownsville	1912-15	4	USNM
Galveston	-	5	USNM
Brazos Is., 22 mi. E. Brownsville	1966	2	USNM
Padre Island	1914	8	USNM

Mexico

Taumaulipas, La Pesca	1952	11	AMNH
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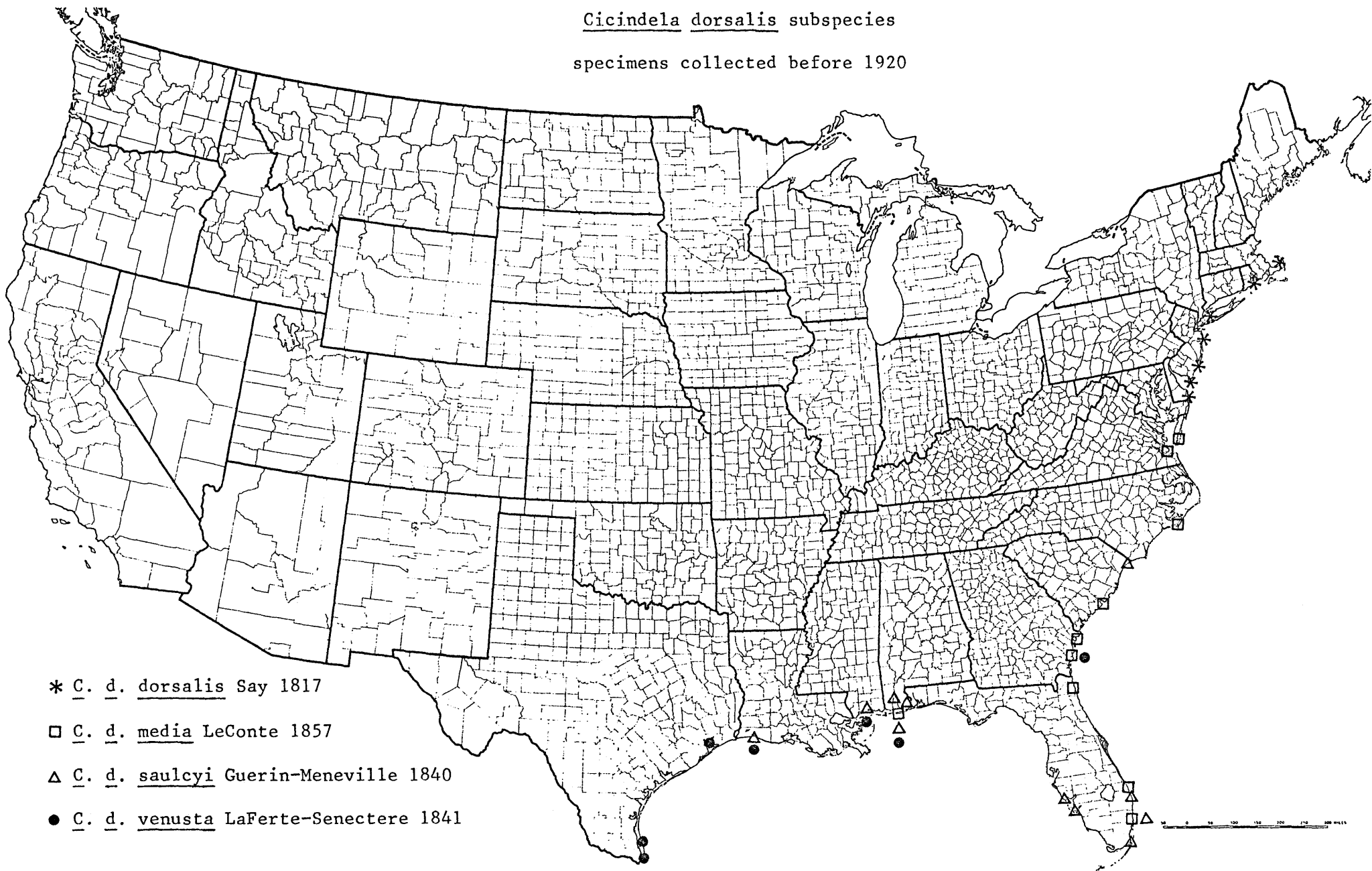
Cicindela dorsalis subspecies

no date given with locality data



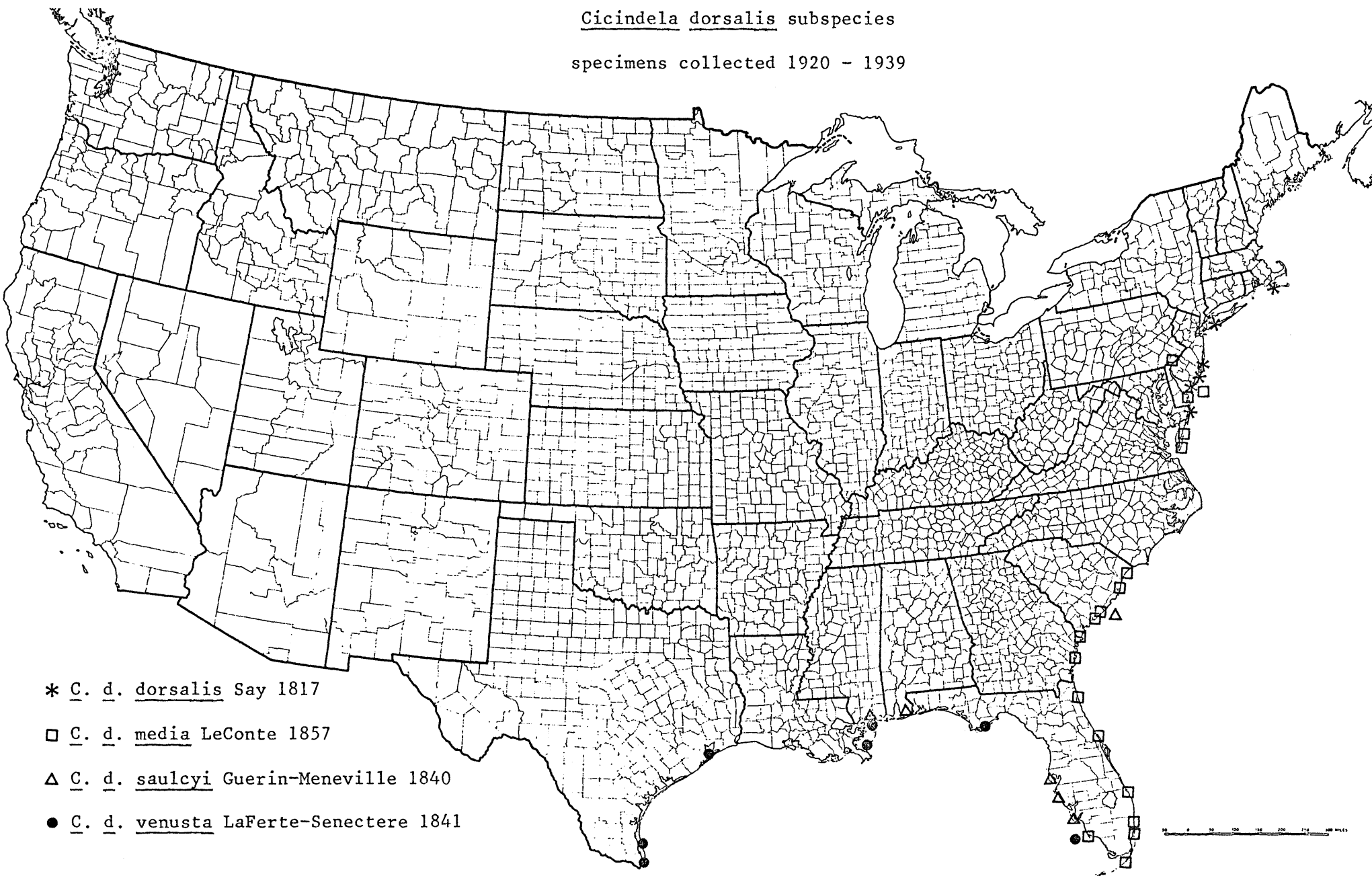
Cicindela dorsalis subspecies

specimens collected before 1920



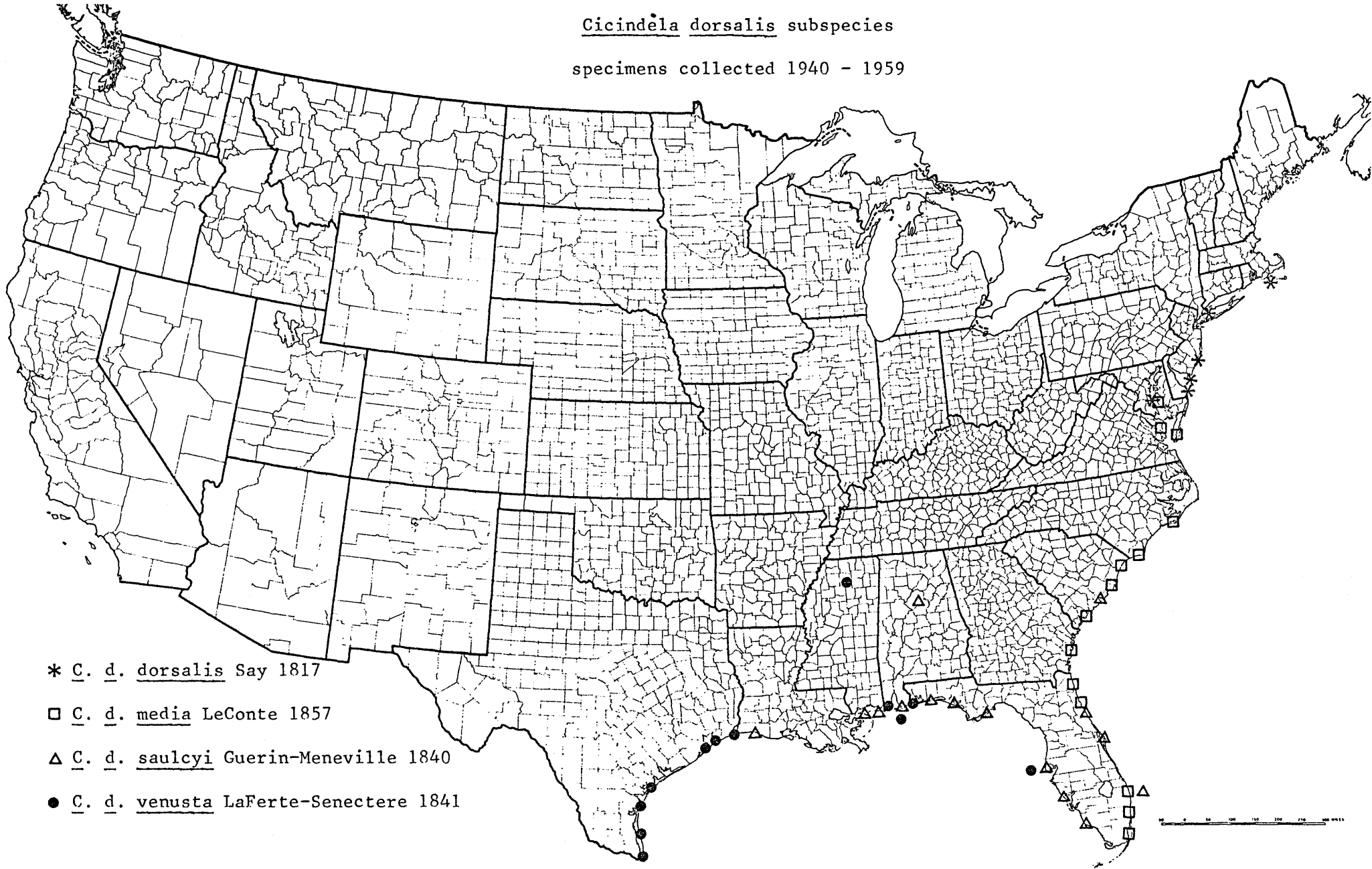
Cicindela dorsalis subspecies

specimens collected 1920 - 1939



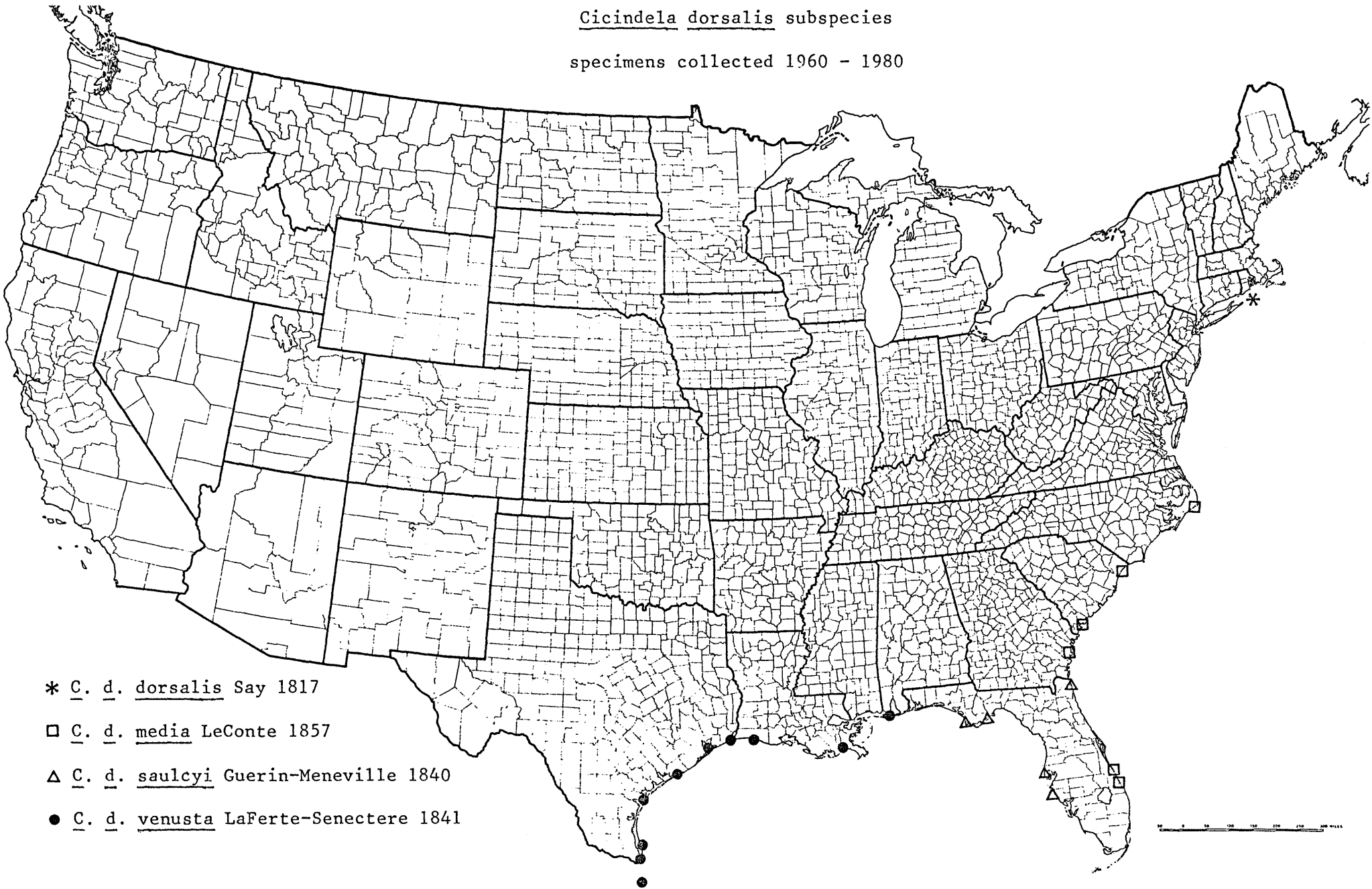
Cicindela dorsalis subspecies

specimens collected 1940 - 1959



Cicindela dorsalis subspecies

specimens collected 1960 - 1980



Cicindela gabbi G. Horn 1866

(Coleoptera: Cicindelidae)

Horn, G. 1866. Descriptions of some new Cicindelidae from the Pacific Coast of the United States. Proceedings of the Philadelphia Academy of Sciences, pp. 394-397.

(original description)

Schaupp, F. G. 1883-4. Synopsis of the Cicindelidae of the United States of North America. Bulletin of the Brooklyn Entomological Society, 6:73-108, 121-127. (notes on habitat and distribution)

Cazier, M. A. 1954. A review of the Mexican tiger beetles of the genus *Cicindela* (Coleoptera: Cicindelidae). Bulletin of the American Museum of Natural History, 103:230-309.

(notes on distribution in Baja, Sinaloa and Sonora, Mexico)

Type-locality: "Salt marsh near Wilmington (San Pedro) California"



Cicindela gabbi G. Horn 1886

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
San Diego	1928	20	USNM
Newport	1931	2	USNM
Alhambra	1926	1	USNM
Huntington Beach	1928	3	USNM
Seal Beach	1927	4	USNM
Orange Co., Newport	1949	8	LACM
Seal Beach	1943-46	7	LACM
Orange Co., Sunset Bch., Los Patos	1959	12	LACM
Long Beach	-	2	LACM
San Diego Co., Tiajuana River	1974	3	LACM
Orange Co., Los Patos	1959	1	LACM
San Diego	1890	1	LACM
Seal Beach	1927-32	6	UCD
Newport	1932	44	UCD
Newport	1949	2	UCD
Costa Mesa	1937	1	UCD
Mud flats nr. Seal Beach	1943	2	UCD
Orange Co., Seal Beach, Naval weapon station	1968	9	CSULB
San Diego	-	46	CU

Cicindela gabbi G. Horn 1886California

Seal Beach	1968	1	CSULB
Orange Co., Seal Beach, Naval weapon station	1969	1	FSCA
Los Angeles Co., salt flats nr. Seal Beach	1939	2	CNC
San Diego	-	2	CNC
Riverside Co., Newport	32	3	CNC
San Diego	1908	5	AMNH
Orange Co., Sunset Beach	1948	240	AMNH
Irvine	1930	6	AMNH
Seal Beach	1927	5	AMNH
Orange Co., Newport Bay	1948	56	AMNH
No data	-	3	FMNH
Wilmington	-	6	CMNH
San Diego	-	1	FMNH
Newport	1932	1	FMNH
Seal Beach	1927	1	CMNH
No data	-	4	CMNH
No data	-	13	INHS
San Diego	1979	1	INHS
San Diego	1908	4	INHS
No data	-	11	MCZ
San Diego	1890-1908	26	MCZ

Cicindela gabbi G. Horn 1886California

Newport	1932	11	CAS
Balboa	1937	1	CAS
San Diego	1908	55	CAS
Naples	1916	5	CAS
Seal Beach	1927	1	CAS
Orange Co., Upper Newport Bay	1948	8	CIS
Los Angeles Co., nr. Seal Bch.	1943	18	CIS
Mudflats near Seal Beach	1945	40	CIS

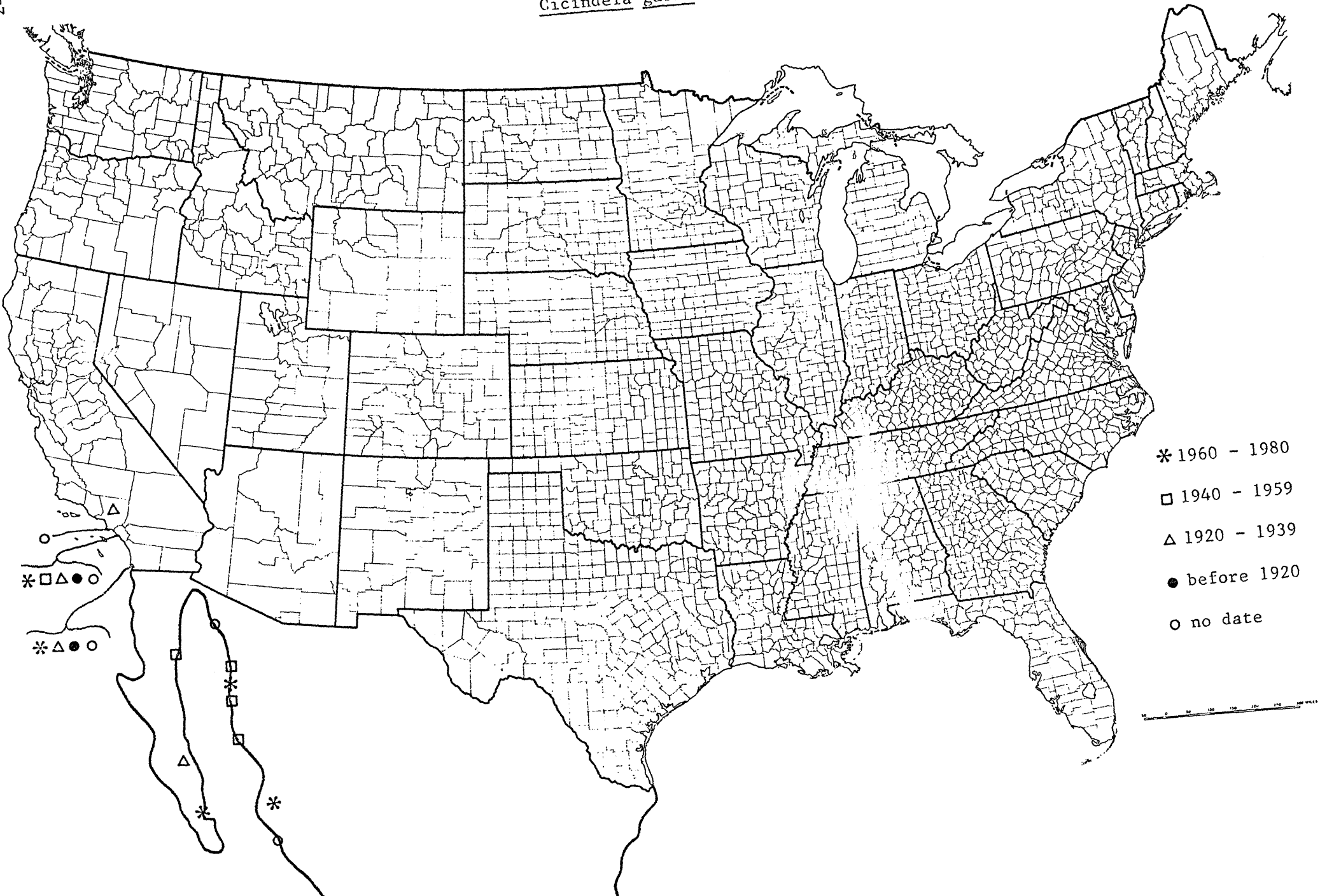
Texas

Del Rio	1927	2	INHS
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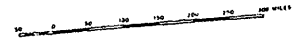
Cicindela gabbi G. Horn 1886Mexico

Sinaloa, Mazatlan	-	2	USNM
Sonora, Guaymas	1953	1	LACM
Sonora, Guaymas	1952	1	UCD
Sonora, Guaymas	-	1	CSULB
Sinaloa, Culiacan	72	1	FSCA
Sonora, Cholla Bay	1973	1	FSCA
Sonora, Tastiota	1952	25	AMNH
Sonora, Kino Bay	1952	200	AMNH
Sonora, Yavaros Bay	1952	160	AMNH
Sonora, La Choya	1952	40	AMNH
B.C., Sur. eastern shore of			
La Paz Bay	1961	2	CMNH
Baja Cal., San Ignacio	1938	1	CAS
B.C., Bahia de Los Angeles	1951	6	CIS
Sonora, Puerto Lobos	-	3	CU

*Cicindela gabbi* C. Horn 1886



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Cicindela marginipennis Dejean 1831

(Coleoptera: Cicindelidae)

- Dejean, . 1831. Spec. Gen. V:260. (original description)
- Schaupp, 1883-4. Synopsis of the Cicindelidae of the United States of North America. Bulletin of the Brooklyn Entomological Society, 6:73-108. 121-127. (notes on habitat and distribution)
- Leng, C. W. 1902. Revision of the Cicindelidae of Boreal America. Transactions of the American Entomological Society, 28:93-186. (notes on habitat and distribution)
- Mather, B. 1971. A preliminary survey of Mississippi Cicindelidae. Cicindela, 3(2):21-25. (cites one locality: Mississippi, Lowndes, Columbus, 13-VI-1970)
- Graves, R. C. and D. L. Pearson. 1973. The tiger beetles of Arkansas, Louisiana and Mississippi (Coleoptera: Cicindelidae). Transactions of the American Entomological Society, 99:157-203. (notes on habitat and distribution)
- Boyd, H. P. 1978. The tiger beetles (Coleoptera: Cicindelidae) of New Jersey with special reference to their ecological relationships. Transactions of the American Entomological Society, 104:191-242. (notes on habitat and distribution)

Cicindela marginipennis Dejean 1831

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>New Jersey</u>			
No data	-	1	AMNH
Arrow Head Island	-	1	AMNH
Warren Co., Delaware River,			
Depew Island	1974	1	AMNH
Brigintine	-	1	CMNH
Barow Head Island	-	1	INHS
<u>New York</u>			
No data	-	18	USNM
Callicoon	1913	4	USNM
No data	-	1	LACM
No data	-	2	CNC
Callicoon	1927	6	AMNH
No data	-	1	FMNH
No data	-	2	CMNH
No data	-	6	INHS
No data	-	1	CIS
<u>Ohio</u>			
Clinton Co.	1961	22	FSCA
Pickaway Co., Scioto River	1956	2	FSCA

Cincindela marginipennis Dejean 1831Ohio

Cincinatti	1899	2	AMNH
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Pennsylvania

Susq. River, Lanc. Co.	-	6	USNM
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Milford	1930	3	USNM
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Marietta	1910	1	USNM
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Marietta	-	1	CNC
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No data	-	1	AMNH
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Milford	1932	3	AMNH
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Water Gap	-	1	AMNH
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Marietta	1898	1	AMNH
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New Hope, Bucks Co.	1949	4	AMNH
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Bucks Co., 6 mi. N. Yardley, White Is.	1949	8	AMNH
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Point Pleasant	1939	8	AMNH
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Milford	-	1	FMNH
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Delaware water gap	1938	5	FMNH
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Fayette Co.	-	2	CMNH
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Jeanette	1907-10	3	CMNH
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No data	-	2	CMNH
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Marietta	1895	1	INHS
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No data	-	1	INHS
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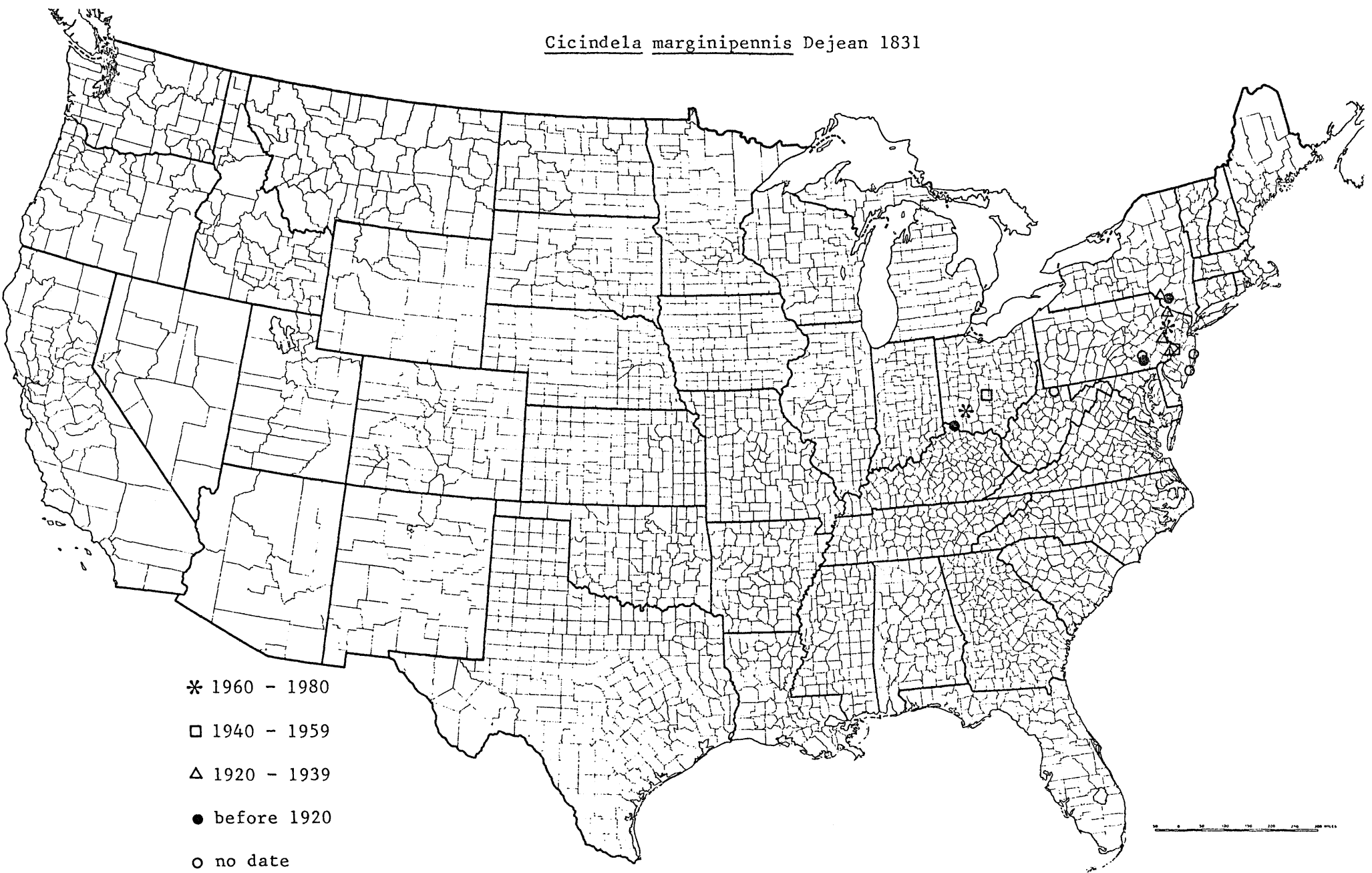
Lancaster Co.	-	2	CU
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West Virginia

Morgantown	-	2	CMNH
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Cicindela marginipennis Dejean 1831



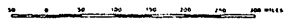
\* 1960 - 1980

□ 1940 - 1959

Δ 1920 - 1939

● before 1920

○ no date



Desmocerus californicus dimorphus Fisher 1921

(Coleoptera: Cerambycidae: Desmocerini)

Fisher, W. S. 1921. A new cerambycid beetle from California. Proceedings of the Entomological Society of Washington 23:207. (original description)

Burke, H. E. 1921. Biological notes on Desmocerus, a genus of roundhead borers, the species of which infest various alders. Journal of Economic Entomology 14:450-452. (biology of Desmocerus)

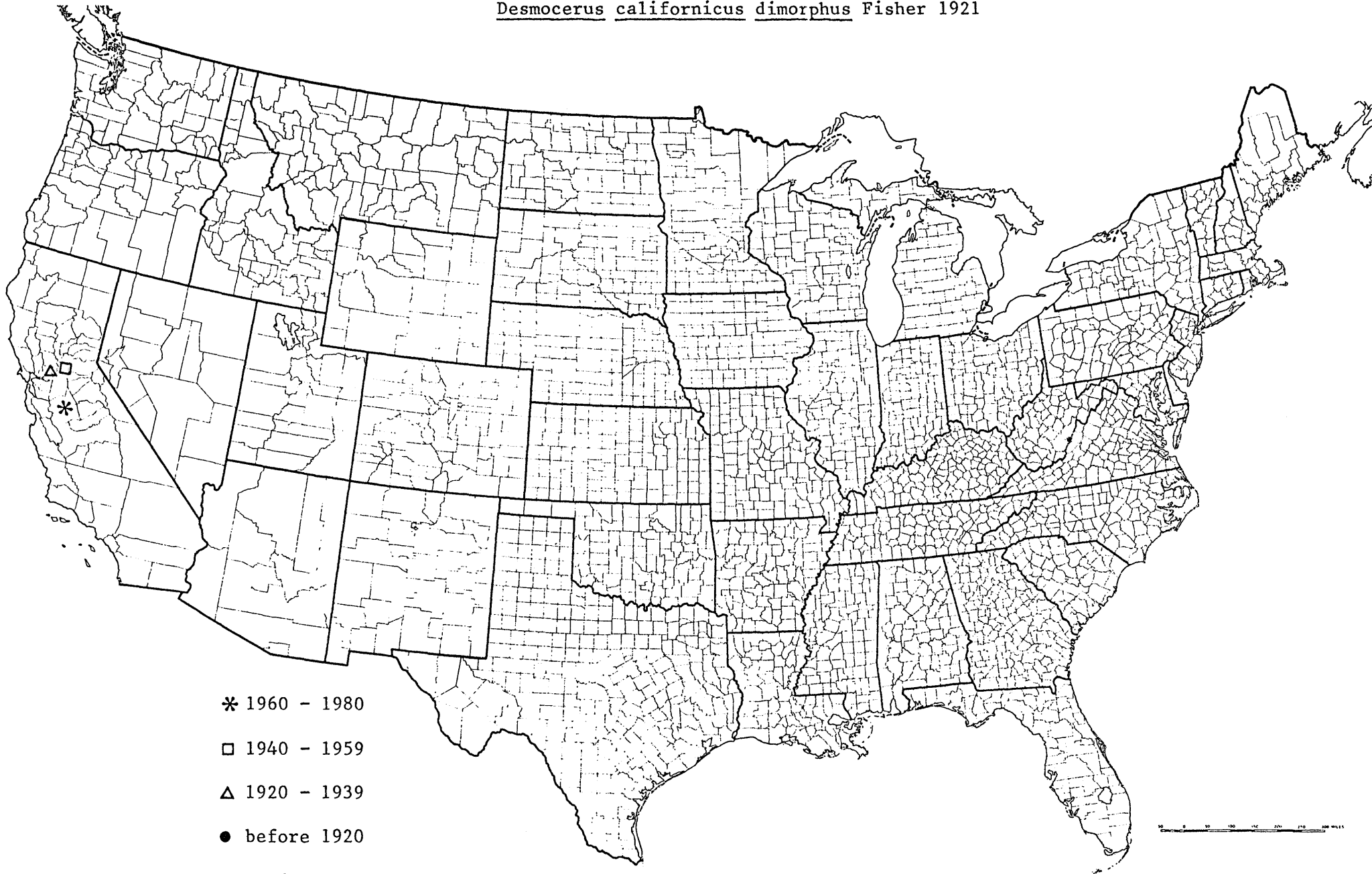
Type-locality: Sacramento, California

Desmocerus californicus dimorphus Fisher 1921

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Sacramento	1921	2	USNM
Sacramento	1947	1	CNC
Sacramento	1947	4	FMNH
Sacramento	1945/46	1/1	MCZ
Davis	1934/36	1/1	MCZ
Sacramento	1922/23	4/1	CAS
Sacramento	1941/45/47	1/1/6	CAS
Davis	1934	4	CAS
Sacramento	1926/44/47	1/3/1	CIS
Sacramento	1948/49	1/1	CIS
Delhi, McConnell State Park	1961	1	CIS

Desmocerus californicus dimorphus Fisher 1921



\* 1960 - 1980

□ 1940 - 1959

Δ 1920 - 1939

● before 1920

○ no date

Dinapate wrightii Horn 1886  
(Coleoptera: Bostrichidae: Dinapatini)

- Horn, G. H. 1886. Dinapate wrightii and its larva. Transactions of the American Entomological Society 8:1-4. (original description, biology)
- Hubbard, H. G. 1899. Letters from the Southwest. The home of Dinapate wrightii Horn. Entomological News 10(4):83-89. (distribution)
- Martin, J. O. 1917. In quest of Dinapate wrightii Horn. Bulletin of the Brooklyn Entomological Society, new series, 12(1):107-10. (distribution)
- Garnett, R. T. 1918. Notes on Dinapate wrightii Horn. Entomological News, 29(2):41-44. (distribution)
- Comstock, J. A. 1922. A giant palm-boring beetle, Dinapate wrightii Horn. Bulletin of the Southern California Academy of Sciences 21(1):5-17. (biology)
- Campbell, R. E. 1923. Notes on the life history of Dinapate wrightii Horn. Journal of Entomology and Zoology, Pomona College 15(4):61-65. (biology)
- Martin, J. O. 1928. Report on the work of D. wrightii Horn in the fan palms, Washingtonia filifera by Dr. Stickney. Proceedings of the Pacific Coast Entomological Society 2(8). (biology)
- Wymore, F. H. 1928. On Dinapate wrightii Horn. The Pan-Pacific Entomologist 4(3):143. (biology, distribution)

- Anderson, W. H. 1939. Key to larval Bostrichidae. Journal of the Washington Academy of Sciences 29(9):382-91.
- Michelbacher, A. E. and E. Ross. 1939. The giant palm borer (Col. Bostrichidae), an economic pest in Lower California. Bulletin of the California State Department of Agriculture 28(2):166-69.  
(biology)
- Davis, A. C. 1940. Notes on Dinapate wrightii Horn (Coleoptera: Bostrichidae) Proceedings of the Entomological Society of Washington 42(6):129-34.  
(biology, distribution)
- Fisher, W. S. 1950. A revision of the North American species of beetles belonging to the family Bostrichidae. United States Department of Agriculture Bulletin 698:1-157. (taxonomy, distribution)
- Baker, N. W. 1971. Observations on the biology of the giant palm-boring beetle, Dinapate wrightii Horn (Coleoptera: Bostrichidae). Journal of the New York Entomological Society 79:31-42. (biology, distribution)
- Type-locality: Palm Springs, California

Dinapate wrighti Horn 1886

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Palm Springs	-	30	USNM
Palm Springs	1966	3	USNM
Indio	-	2	USNM
20 mi. E. Palm Springs	1966	400	LACM
Riverside Co., Palm Cyn.	1952	14	LACM
Palm Springs	1922	12	LACM
Palm Springs	1922	2	FSCA
Palm Canyon	1932/52	1/6	UCD
20 mi. E. Palm Springs	1966	1	UCD
Palm Canyon	1952	2	UCR
Indio	1975	2	UCR
Palm Springs	1966	2	UCR
Coachilla	1967	1	UCR
Indio	1926	2	CNC
Coachella	1932	1	AMNH
20 mi. E. Palm Springs	1966	3	AMNH
Riverside Co.	1918	1	FMNH

Dinapate wrighti Horn 1886California

Mojave Desert	-	3	MCZ
Palm Springs	-	1	MCZ
Palm Springs	1924/27	1/1	MCZ
Palm Oasis, 20 mi. E. Palm Springs	1966	1	MCZ
No data	-	1	MCZ
1000 Palm Canyon	1928	1	MCZ
Palm Springs	1917-22	21	CAS
Palm Canyon	1917	5	CAS
Riverside Co.	1918	1	CAS
1000 Palms	1929	2	CAS
Riverside Co., Coachella	1927	4	CAS
Indio	1926	1	CAS
20 mi. E. Palm Springs	1966	2	CAS
Riverside Co., Palm Canyon	1952	3	CIS
Borrego St. Park	1952	1	CIS
Coachilla Valley	1929	1	OSU
Palm Springs	1917	1	OSU
Riverside Co., Palm Canyon	1952	1	OSU
Indio	1925	1	CU
Palm Springs	1917	4	CU

Mexico

Baja Cal., Mulege	1976	1	UCR
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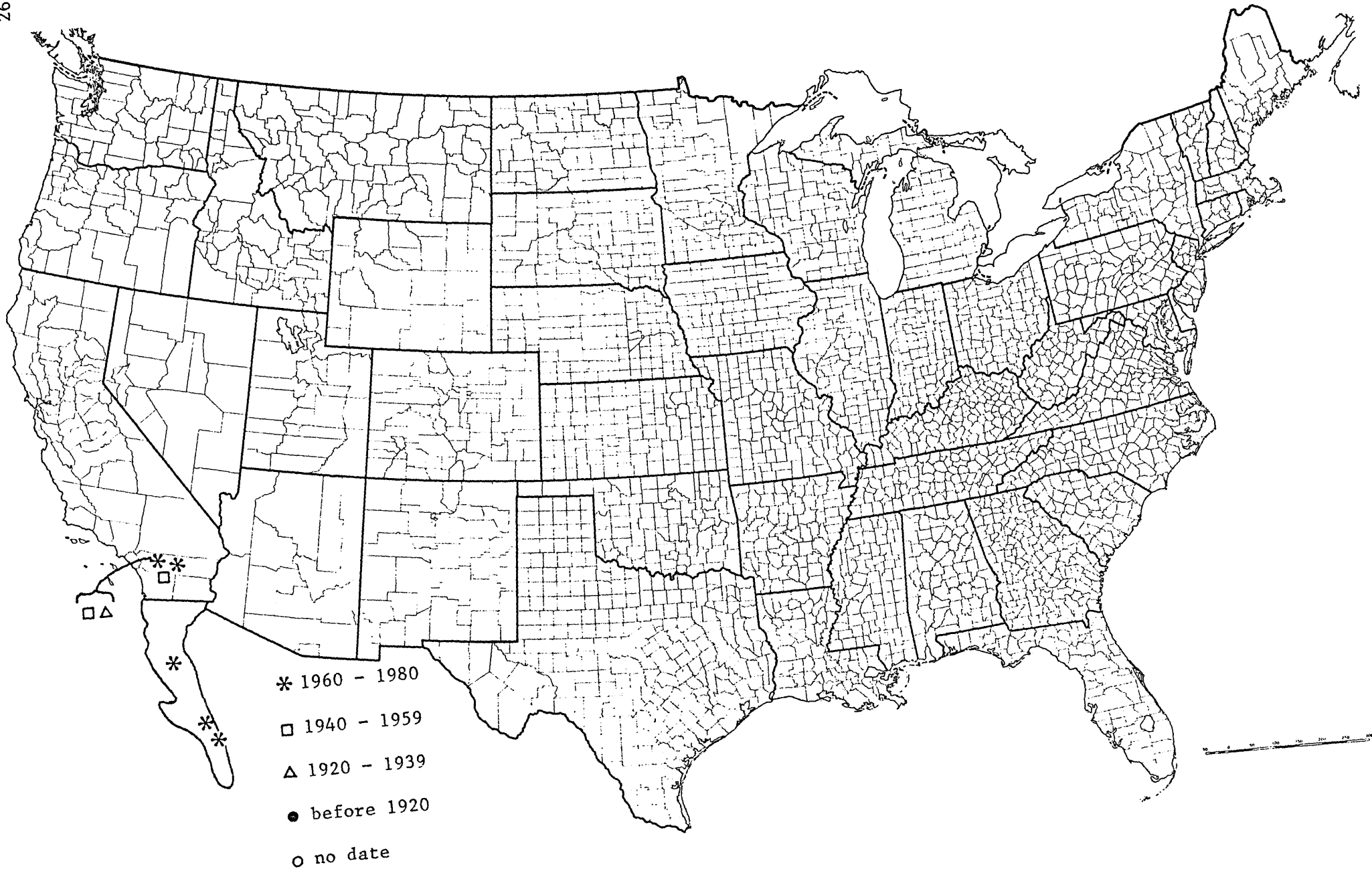


Dinapate wrighti Horn 1886Mexico

Baja Cal. Norte, 4.8 mi. N Catavina	1978	30	CSULB
Baja Cal. Sur, San Ignacio	1978-79	12	CSULB
El Marmol (nr. Catavina)	1978	1	CSULB
19 mi. S. Loreto (Ligui)	1978	1	CSULB
near Nuevo Morelos	1948	1	CAS
Lower Calif., Catavina	1938	1	CAS

Dinapate wrighti Horn 1886

297



Dryobius sexnotatus Linsley 1957

(Coleoptera: Cerambycidae: Dryobiini)

- Say, T. 1823. Descriptions of coleopterous insects collected in the late expedition to the Rocky Mountains, performed by order of Mr Calhoun, Secretary of War, under command of Major Long. Journal of the Academy of Sciences of Philadelphia 3:415-416. (original description, as Callidium 6-fasciatum)
- Walsh, B. C. and C. V. Riley. 1869. Elm tree borer. American Entomologist 1:168. (biology)
- Siewers, C. A. 1880. Some notes on Coleoptera for beginners. Canadian Entomologist 12:139. (biology)
- Dury, C. 1902. Coleoptera of Cincinnati. Cincinnati Society of Natural History 20:159. (biology)
- Linsley, E. G. 1957. Some new genera and species of North American Cerambycidae. Canadian Entomologist 89:287. (Dryobius sexnotatus Linsley a new name for Callidium 6-fasciatum Say)
- Linsley, E. G. 1964. The Cerambycidae of North America. Part V. University of California Publications in Entomology 22:7 (distribution and biology)
- Shaw, R. H., R. W. Surdick and D. M. Anderson. 1974. Observations on the biology, ecology, behavior, and larvae of Dryobius sexnotatus Linsley (Coleoptera: Cerambycidae). The Coleopterists Bulletin 28(4):169-176. (see title)

Dryobius sexnotatus Linsley 1957

Type-locality: Loutre Island, Missouri River

Dryobius sexnotatus Linsley 1957

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Indiana</u>			
Richmond	1947	2	FMNH
Knox Co.	1942	1	MCZ
Knox Co.	1942	1	CU
<u>Kentucky</u>			
Rockhaven	1907	2	USNM
No data	-	2	USNM
Tennessee line	1939	1	AMNH
No data	-	8	AMNH
nr. Cincinnati, Ohio	-	1	MCZ
Frankford	-	1	CMNH
<u>Maryland</u>			
Plummers Isl.	1913-20	9	USNM
Montgomery Co, Seneca	1970/71	5/3	USNM
<u>Ohio</u>			
Cincinnati	1905	3	USNM
No data	-	4	USNM
Clinton Co.	1962	3	FSCA
Circleville	1933	1	FSCA
Clermont Co.	1940-42	11	AMNH

Dryobius sexnotatus Linsley 1957Ohio

Cincinnati	1905	9	AMNH
Clinton Co.	1956-62	14	FMNH
Clermont Co.	1951	8	FMNH
Cincinnati	1906	2	FMNH
Muskingum	1935	2	FMNH
Cambridge	1929	1	FMNH
Athens	1943	1	FMNH
Cincinnati	1903-08	5	MCZ
Clermont Co.	1942	2	MCZ
Clermont Co.	1942	1	CU

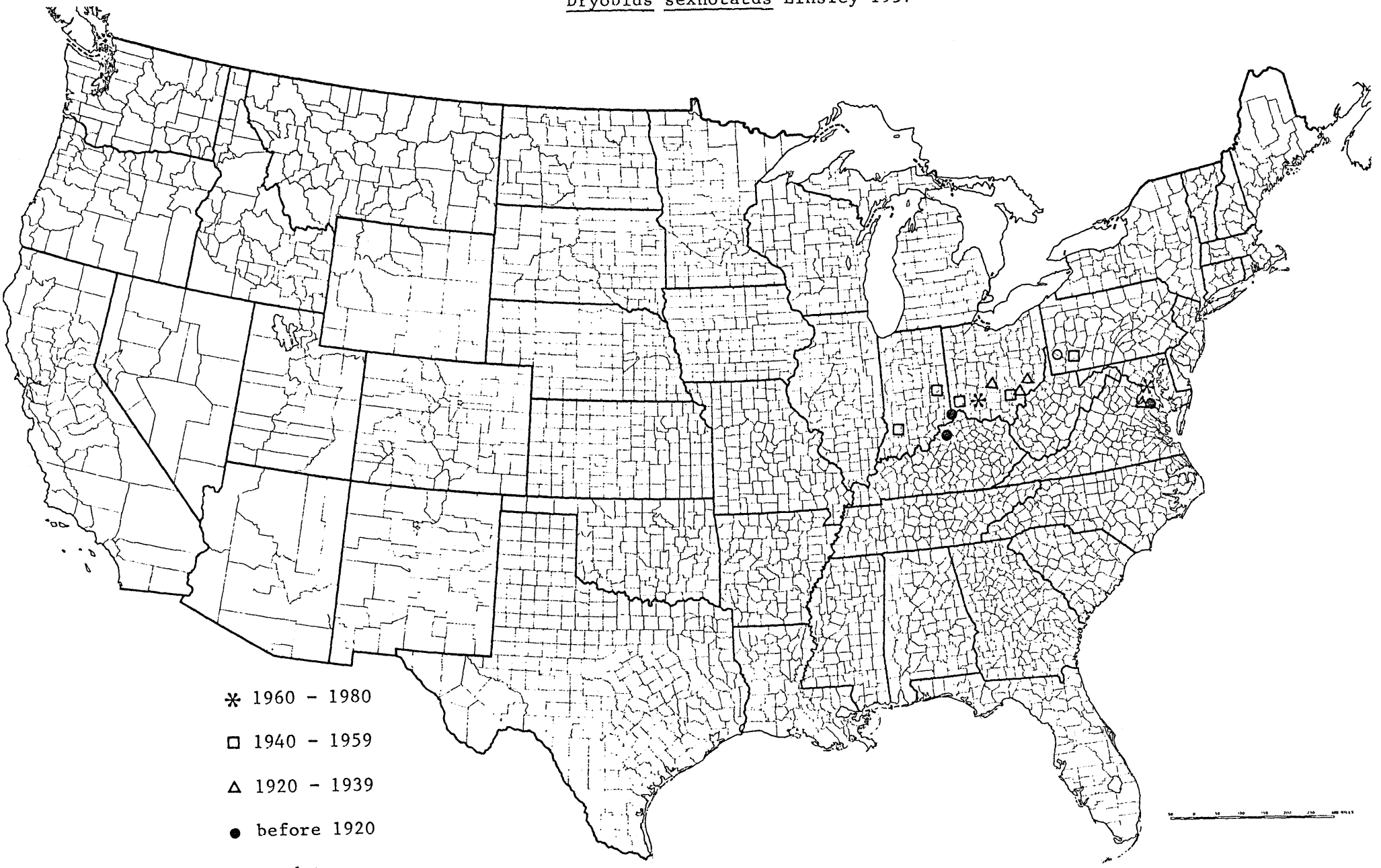
Pennsylvania

Jeannette	1942	1	FMNH
Middletown	1953	2	CIS
Pittsburgh	-	5	CMNH
Allegheny	-	1	CMNH
Jeanette	-	3	CMNH

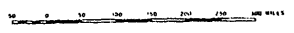
Tennessee

No data	-	1	USNM
No data	1922	1	CU

Dryobius sexnotatus Linsley 1957



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Donacia idola Hatch 1938

(Coleoptera: Chrysomelidae: Donacinae)

- Hatch, M. H. 1938. A new species of Donacia from Washington. The Pan-Pacific Entomologist 14(3):110. (original description)
- Mead, A. R. 1938. New subspecies and notes on Donacia with key to the species of the Pacific States. The Pan-Pacific Entomologist 14:119. (in key)
- Leech, H. B. 1943. Miscellaneous records of beetles in British Columbia. Proceedings of the Entomological Society of British Columbia 40:26. (note on distribution near Vancouver, British Columbia)
- Hatch, M. H. 1971. The beetles of the Pacific Northwest, Part V: Rhipiceroidea, Sternoxi, Phytophaga, Rhynchophora, and Lamellicornia. University of Washington Press, Seattle and London, p. 170. (in key)

Type-locality: Chase Lake, Snohomish County, Washington

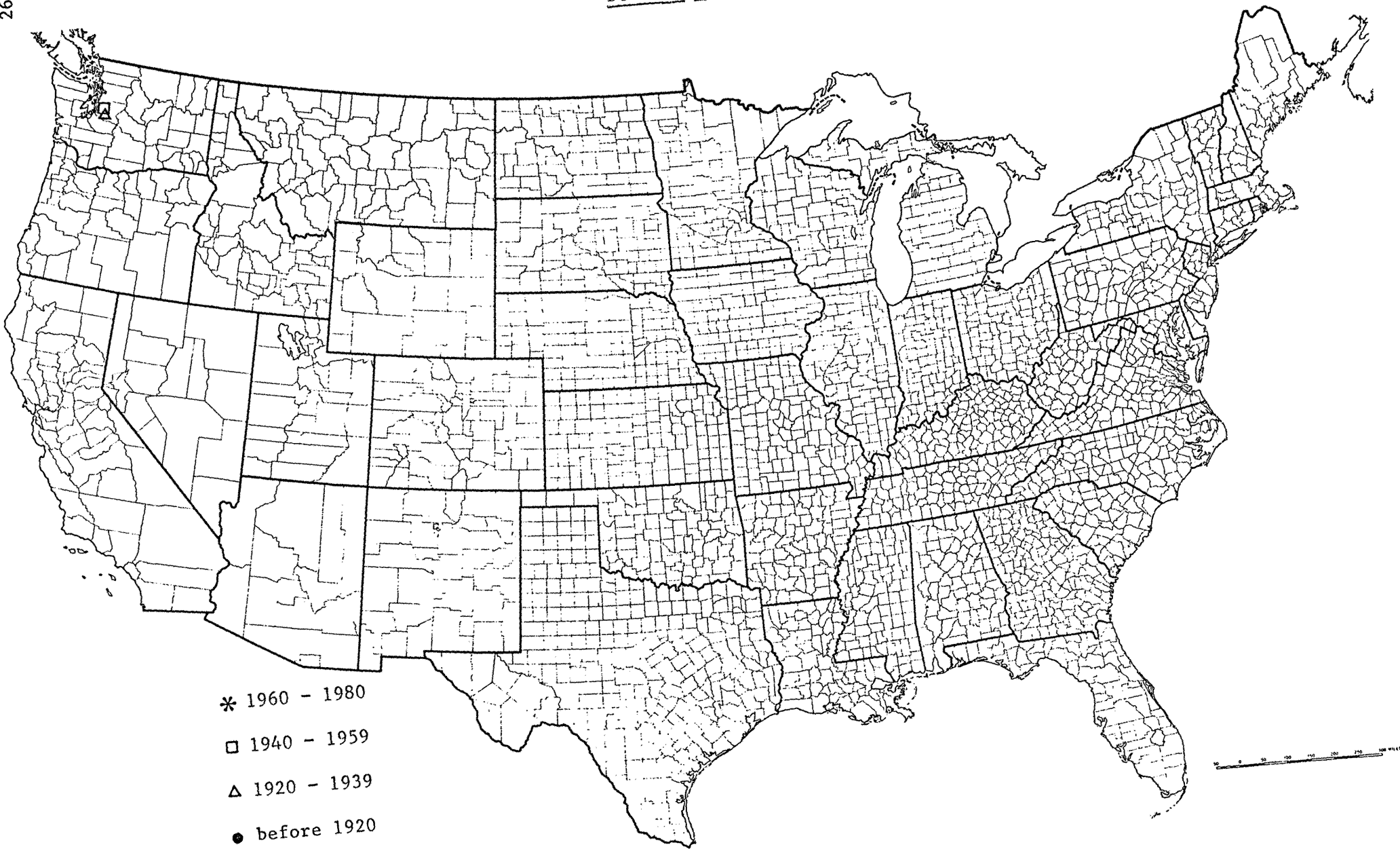


Donacia idola Hatch 1938

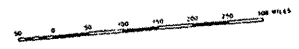
## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Washington</u>			
Snohomish Co., Chace Lake	1936	2	UCD
Snohomish Co., Chace Lake	1942	3	UBC
Snohomish Co., Chace Lake	1938/40	1/1	OSU

Donacia idola Hatch 1938



- \* 1960 - 1980
- 1940 - 1959
- Δ 1920 - 1939
- before 1920
- no date



Eanus hatchi Lane 1938

(Coleoptera: Elateridae: Elaterinae)

Lane, M. C. 1938. A new species of the genus Eanus (Coleoptera, Elateridae). The Pan-Pacific Entomologist 14:188. (original description)

Hatch, M. H. 1971. The beetles of the Pacific Northwest. Part V: Rhipiceroidea, Sternoxi, Phytophaga, Rhynchophora, and Lamellicornia. University of Washington Press, Seattle and London, p. 29. (in key)

Type-locality: Chase Lake, Snohomish County, Washington

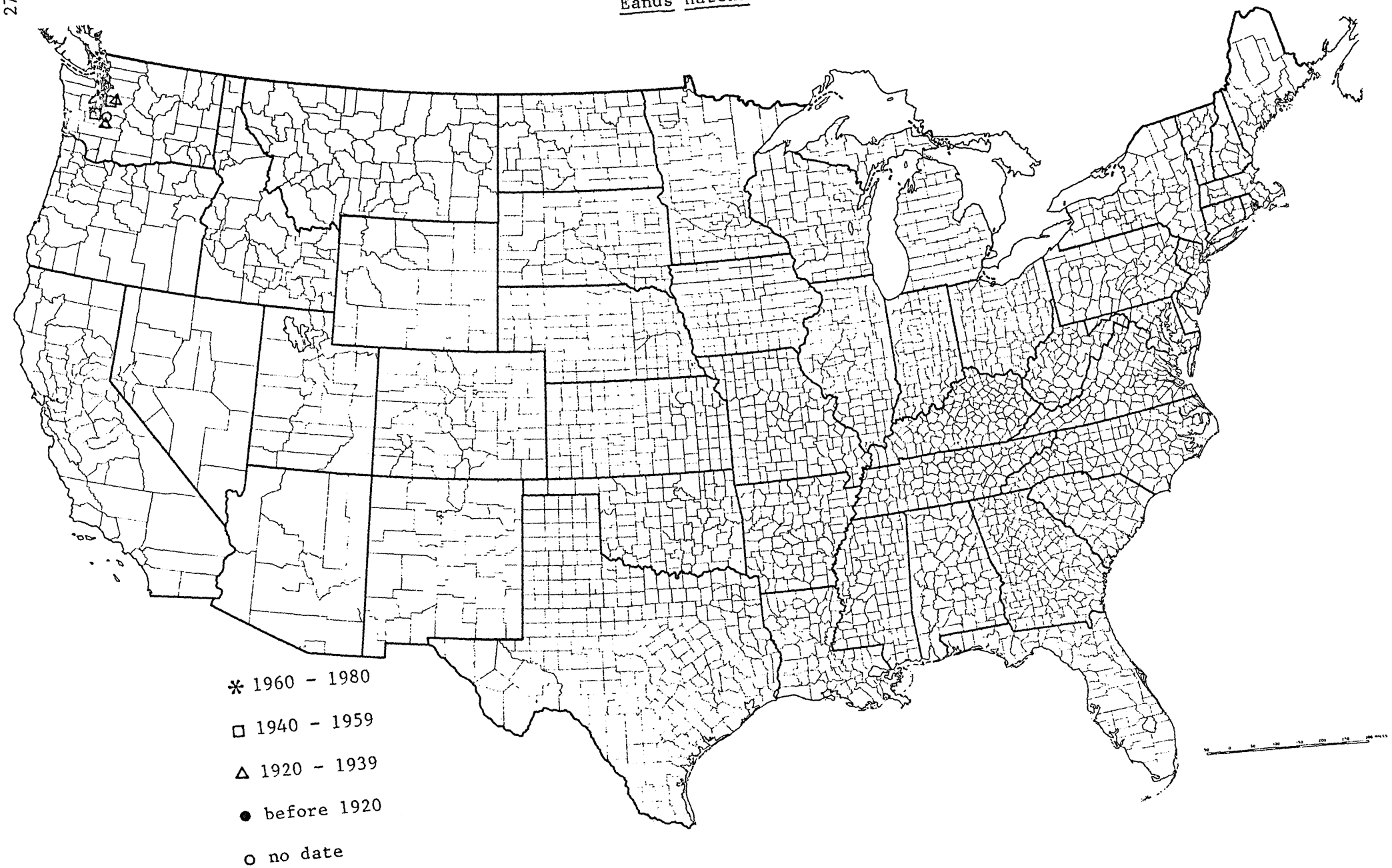
Eanus hatchi Lane 1938

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Washington</u>			
Lk. Marie, King Co.	1936/39	4/15	USNM
Snohomish Co., Chace Lake	1931-39	28	USNM
Snohomish Co., Chace Lake	1940-49	24	USNM
Woodinville, Hooven Bog	1939	47	USNM
Snohomish Co., Schriber Lake	1939	1	USNM
Seattle	-	1	USNM
Duvall	1931	1	USNM
Seattle, Carkeek Park	1947	1	USNM
Snohomish Co., Chace Lake	1939	3	UCD
Snohomish Co., Chace Lake	1935-38	4	CNC
King Co., Lake Marie	1939	2	CNC
King Co., Lake Marie	1939	2	FMNH
Seattle	1938	1	FMNH
Snohomish Co., Chase L.	1951	1	FMNH
Snohomish Co., Chase L.	1933-38	4	INHS
Sno. Co., Chase Lake	1933/35	1/1	MCZ
Snohomish Co., Chase Lake	1933-38	7	CAS
King Co., Lk. Marie	1939	1	CAS

Eanus hatchi Lane 1938Washington

Snohomish Co., Chase Lake	1935-39	109	OSU
Snohomish Co., Chase Lake	1945-49	110	OSU
Snohomish Co., Chase Lake	1933	2	CU
King Co., Lake Marie	1939	2	CU

Eanus hatchi Lane 1938

Lytta hoppingi Wellman 1912

(Coleoptera: Meloidae)

Wellman, C. 1912. New species of Lyttidae, with notes on described species. Entomological News 23:29-43. (original description)

Type-locality: Fresno County, California

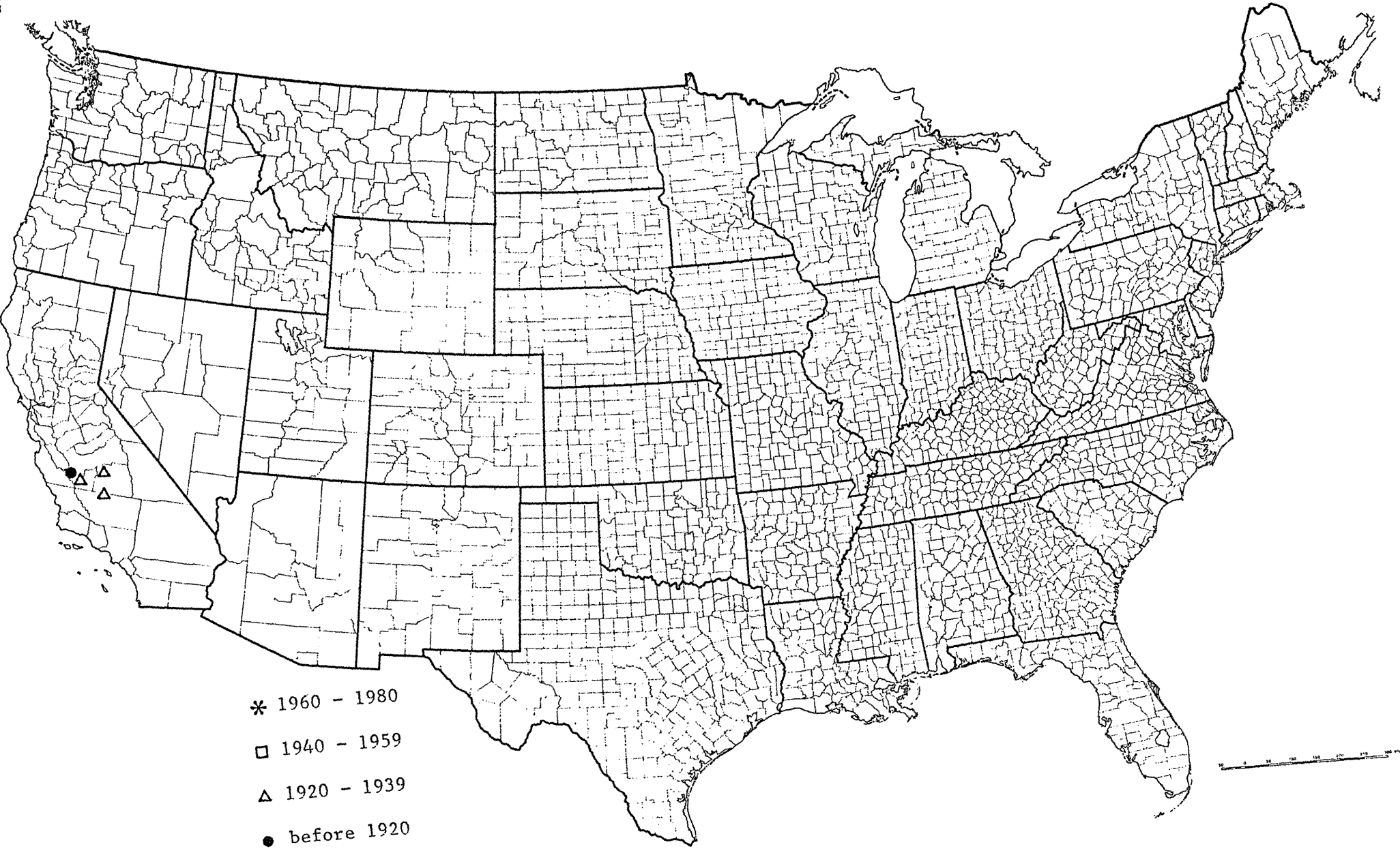
Lytta hoppingi Wellman 1912

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Visalia	1934	10	CNC
Kern Co., Delano	1934	1	CNC
Visalia	1936	1	AMNH
Fresno Co., Coalinga	1907	3	FMNH
No data	-	1	FMNH
Kern Co.	-	2	MCZ
Visalia	-	4	MCZ
Paraiso Springs	1912-14	11	CAS
Fresno Co., Coalinga	1907	13	CAS
Tulare Co., Ducor	1934	9	CAS
Visalia	1934-38	40	CAS
Kettleman Hills	1934	2	CAS
Kern Co., Delano	1934	9	CAS
Fresno co, Coalinga	1907	9	CU
Visalia	1923	4	CU



Lytta hoppingi Wellman 1912



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Nicrophorus americanus (Olivier) 1790

(Silphidae: Nicrophorini)

- Olivier, A. G. 1790. Entomologie, II, Paris. (original description)
- Horn, G. H. 1886. A review of the species described by Olivier in the "Entomologie". Transactions of the American Entomological Society 8:135-144. (reviews Olivier works)
- Portevin, G. 1926. Les grands Necrophages du globe. Encyclopedie Entomologique, series A, 6:1-270. (reviews Silphini and Nicrophorini of the world)
- Hatch, M. H. 1927. Studies on the Silphinae. Journal of the New York Entomological Society 35:331-370. (reviews Silphidae)
- Arnett, R. H., Jr. 1944. A revision of the Neartic (sic) Silphini and Nicrophorini based upon the female genitalia (Coleoptera, Silphidae). Journal of the New York Entomological Society 52(1):1-25. (reviews North American Silphidae)
- Madge, R. B. 1956. A taxonomic study of the genus Nicrophorus in America north of Mexico (Coleoptera: Silphidae). Unpublished Masters Thesis, University of Illinois. (distribution data, p. 30)
- Davis, L. R. 1980. Notes on beetle distributions, with a discussion of Nicrophorus americanus Olivier and its abundance in collections (Coleoptera: Scarabaeidae, Lampyridae and Silphidae). The Coleopterists Bulletin 34(2):245-251 (in press). (notes on distribution)

Nicrophorus americanus (Olivier) 1790

Type-locality: Undesignated

Nicrophorus americanus (Olivier) 1790

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Alabama</u>			
Mobile	-	1	CMNH
No data	-	1	MCZ
<u>Arkansas</u>			
Washington Co.	1941	1	INHS
Rogers	1956	3	INHS
Hope	1931/2	3/1	CU
<u>Connecticut</u>			
Suffield	1875	2	MCZ
Cornwall	1920	2	CU
<u>Florida</u>			
Marion Co.	-	2	CMNH
<u>Georgia</u>			
Atlanta	1897	1	USNM
No data	-	1	USNM
Atlanta	1910	1	CU
Tallapoosa	1908	1	CU
Okefenoke Swamp, Billy's Island	1912	1	CU
<u>Illinois</u>			
Bloomington	1895	1	USNM
Rockford	1934	1	USNM

Nicrophorus americanus (Olivier) 1790Illinois

Urbana	1901	1	USNM
Webster	-	2	CMNH
Anna	1907	16	INHS
Peoria	1938/41	1/1	INHS
Pikin	1883	1	INHS
Urbana	1906-8	7	INHS
Chicago	1897	3	INHS
Putnam Co.	1932	1	INHS
Batchtown	1944	1	INHS
Bloomington	1894	1	INHS
Roodhouse	1902	1	INHS
Algonquin	1907	3	INHS
Lacon	1935	2	INHS
Lake Co.	1930	1	MCZ
No data	-	1	MCZ
Aurora	1909	1	USNM
Chicago	1896	1	CU
Cook Co.	1906	3	FMNH
No data	-	2	FMNH
Chicago	1903/4	1/1	FMNH
Chicago	-	1	USNM

Indiana

Hovey Lake	1965	1	FSCA
Bloomington	1906	1	FSCA

Nicrophorus americanus (Olivier) 1790Indiana

No data	-	1	CU
No data	-	1	FMNH
Porter Co., Beverly Shores	1934	1	FMNH
Roby	1922	1	FMNH
Hammond	1896	1	INHS
Judson	1913	1	INHS

Iowa

Lake Okoboji, Dickenson Co.	1916	2	USNM
Decorah	1910	1	USNM
Clermont	1929	1	USNM
Iowa City	1909	2	USNM
No data	1862	1	MCZ

Kansas

Wathena	-	2	USNM
Topeka	1923	1	CMNH

Kentucky

No data	-	1	CMNH
No data	-	1	USNM
Henderson	1921	1	CU

Louisiana

Algiers	1928	1	INHS
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Maryland

Cambridge	1947	1	FSCA
No data		3	MCZ

Nicrophorus americanus (Olivier) 1790Massachusetts

Dorchester	1899	2	USNM
Woburn	1904	2	USNM
Stoneham	1910	1	USNM
Chicopee	1894	1	CU
Framingham	1909	1	CNC
Lenox	1890	1	AMNH
Dorchester	1906	2	MCZ
Nahant	1874	2	MCZ
Tyngsboro	1865	1	MCZ
Fall River	1905	3	MCZ
Woburn	-	1	MCZ
Springfield	-	3	MCZ
Cambridge	-	4	MCZ
Medford	1903	1	MCZ
Nantucket Isl.	-	1	INHS
No data	1	3	MCZ
Framingham	1906	1	MCZ
Martha's Vineyard	-	1	MCZ
Wellesley	1891	2	MCZ
Salem	-	1	MCZ
Cambridge	1896	1	MCZ
Springfield	1	3	MCZ
Ashland	1896	1	MCZ

Nicrophorus americanus (Olivier) 1790Massachusetts

Brookline	1875	1	MCZ
Vineyard Haven	1935	1	MCZ
Wakefield	1908	2	MCZ

Michigan

Ann Arbor	-	1	USNM
Agric. College	1894	1	FSCA
Agric. College	1906	2	AMNH
No data	1890	2	USNM
No data	-	1	FMNH
No data	--	1	INHS
Barry Co.	1933	1	CU
Agric. College	1894	1	CU

Minnesota

Minneapolis	1904	1	MCZ
Minneapolis	1916	2	CU
Alexandria	1940	1	USNM
No data	-	1	MCZ
No data	-	1	FMNH
St. Paul	-	1	INHS

Mississippi

Oxford	1949	1	FSCA
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Missouri

Columbia	1966	2	USNM
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Nicrophorus americanus (Olivier) 1790Missouri

No data	1923	1	USNM
Webster Groves	1930	2	USNM
Charleston	1914	1	USNM
Ranken, St. Louis Co.	1936	1	FSCA
St. Louis	-	3	CMNH
No data	-	1	INHS
Overland	1936	2	CIS
Valley Park	1928	1	FSCA
Boone-Slick	1959	4	FSCA
Williamsville	1955	1	CNC
Ranken, St. Louis	1934-36	3	AMNH

New Hampshire

No data	-	1	INHS
Davis	1897	1	MCZ
No data	-	2	MCZ

New Jersey

Clifton	1903	10	USNM
Clementon	1910	1	USNM
Hopatcong	-	1	AMNH
Newark	-	2	AMNH
Passaic Junction	-	1	AMNH
Woodbury	1896	1	CU
No data	-	1	MCZ

Nicrophorus americanus (Olivier) 1790New Jersey

Higherstown	1919	1	INHS
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New York

Brooklyn	1905	1	USNM
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Long Island	-	2	USNM
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Long Island	1928	1	USNM
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Long Island, Roslyn	1930	1	FSCA
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Babylon	1893	5	AMNH
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Somers	1923	1	AMNH
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New York City, Bronx	-	2	AMNH
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Cold Spring Harbor	1921	1	CMNH
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Long Island, Montauk Point	-	3	MCZ
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Long Island, Sea Cliff	-	1	MCZ
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Rochester	-	1	INHS
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No data	-	2	MCZ
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No data	-	2	INHS
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Bronx	-	1	INHS
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Buffalo	-	1	CU
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Long Island, Orient	1937	1	CU
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Long Island, Cutchogue	1921	1	CU
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North Carolina

Black Mtns.	1904	5	AMNH
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Black Mtn.	1940	1	FMNH
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No data	-	3	CMNH
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Nicrophorus americanus (Olivier) 1790Ohio

Cedar Point	-	3	USNM
Wooster	1920	1	FSCA
No data	-	1	AMNH
No data	-	1	MCZ
St. Marys	-	2	FMNH

Pennsylvania

Philadelphia	1904	1	USNM
No data	-	1	AMNH
Philadelphia	-	3	MCZ
Angora	-	2	MCZ
No data	-	1	MCZ
Phila. Neck	-	1	UBC
Pittsburgh	-	1	CMNH
Allegheny	-	1	CMNH

Rhode Island

No data	-	2	FMNH
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South Carolina

No data	-	1	USNM
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South Dakota

Brookings	-	1	CMNH
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Tennessee

Benton Co.	1952	3	FSCA
Crossville	1955	4	FSCA

Nicrophorus americanus (Olivier) 1790Tennessee

Loretto	1955	1	FSCA
No data	-	1	AMNH
Johnson City	-	2	AMNH

Texas

No data	-	1	INHS
Kingsville	-	1	CU

Virginia

Fredericksburg	-	1	USNM
Montgomery Co.	-	2	USNM
Richmond	-	3	USNM
Nelson Co.	1896	1	MCZ

Washington, D.C.

No data	1895	1	AMNH
No data	1931	1	MCZ

Wisconsin

Shawano Co.	1948	2	FSCA
Dane Co.	1920	4	CNC
No data	-	1	FMNH
No data	-	1	MCZ

CanadaNova Scotia

No data	-	1	INHS
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Nicrophorus americanus (Olivier) 1790Ontario

No data	-	1	CU
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St. Thomas	1925	1	CNC
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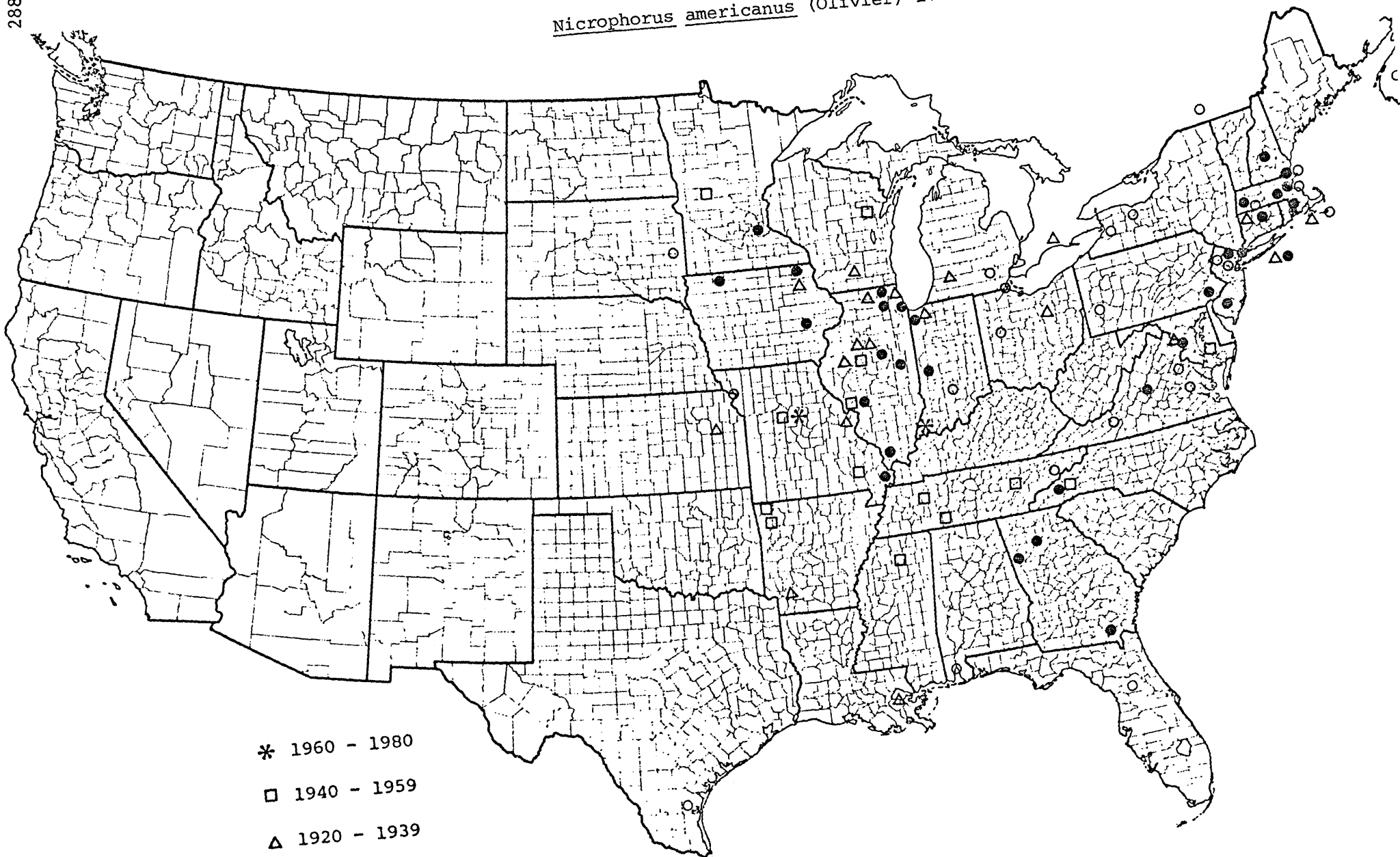
Quebec

Montreal	-	1	CMNH
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NOTES:

"Boone-Slick, Missouri" cannot be found on maps or in gazetteers; it probably refers to Boonslick (or Boons-lick) Park in Howard County, Missouri, and has been so indicated on the distribution map included herein. Dr. F. E. Wood states (pers. com.) that more specimens of N. americanus from this locality probably exist in the collection of the Department of Entomology, University of Missouri.

*Nicrophorus americanus* (Olivier) 1790



Nicrophorus marginatus Fabricius 1801

(Silphidae: Nicrophorini)

- Fabricius, J. C. 1801. Systema eleutheratorum secundum ordines, genera, species: adiectis synonymis, locis, observationibus, descriptionibus. Kiliae: Impensis Bibliopolii Academici Novi. 2 Volumes. (reprint 1970, Vaals: Asher and Company). (original description)
- Portevin, G. 1926. Les grands Necrophages du globe. Encyclopedie Entomologique , series A, 6:1-270. (reviews Silphini and Nicrophorini of the world)
- Hatch, M. H. 1927. Studies on the Silphinae. Journal of the New York Entomological Society 35:331-370. (reviews Silphidae)
- Arnett, R. H., Jr. 1944. A revision of the Neartic (sic) Silphini and Nicrophorini based upon the female genitalia (Coleoptera, Silphidae). Journal of the New York Entomological Society 52(1):1-25. (reviews North American Silphidae)
- Madge, R. B. 1956. A taxonomic study of the genus Nicrophorus in America north of Mexico (Coleoptera: Silphidae). Unpublished Masters Thesis, University of Illinois. (distribution data, p. 63)
- Miller, S. E. and S. B. Peck,<sup>1979</sup> Fossil carrion beetles of Pleistocene California asphalt deposits, with a synopsis of Holocene California Silphidae (Insecta: Coleoptera: Silphidae). Transactions of the San Diego Society of Natural History 19(8):85-106. (fossil data)

Nicrophorus marginatus Fabricius 1801

Type-locality: Undesignated



Nicrophorus marginatus (Fabricius) 1801

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Arizona</u>			
No data	-	1	USNM
Continental	1932	1	USNM
Pinaleno Mts.	1917	1	USNM
Prescott	1931	1	USNM
Dewey	1938	16	FSCA
Apache	1958	1	FSCA
Phoenix	1938	1	FSCA
Cochise Co., Huachuca Mts., Miller Cyn.	1969	1	CNC
Cochise Co., Huachuca Mts., Ramsey Cyn.	1961	1	CNC
Cochise Co., Apache	1965	1	AMNH
Flagstaff	1936	1	FMNH
Cochise Co., Wilcox	-	1	FMNH
Florence	1919	1	CMNH
Yavapai Co., Granite Mts.	1917	2	MCZ
Hereford	1945	1	CIS
Douglas	1942	2	CIS
Ramah	-	1	MCZ
Tempe	1917	1	CU

Nicrophorus marginatus (Fabricius) 1801Arkansas

No data	-	1	AMNH
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California

Shafter	1936	2	CIS
Clarksburg	1939	1	CIS
San Mateo Co., Sharp Park	1949	1	CIS
Fresno Co., Firebaugh	1949	1	CIS
Stanislaus Co., Turlock	1952	1	CIS
Contra Costa Co., Antioch	1957	1	CIS
Fresno Co., Coalinga	1956	1	CIS
Modesto	1958	1	CIS
Stanislaus Co., Patterson	1953	1	CIS
Shafter	1936	2	CIS
Madera	1934	1	CIS
San Diego	1948	1	CIS
San Joaquin Co., Tracy	1948	1	CIS
Buellton	1931	1	UBC
Antioch	1936	1	UBC
Milpatas	-	1	OSU
San Diego	-	1	CU
Fresno Co., Coalinga	1907	1	USNM
San Diego	1913	2	USNM
Califa	1932	1	USNM

Nicrophorus marginatus (Fabricius) 1801California

King City	1932	1	USNM
Los Angeles	-	1	USNM
Temecula	1932	1	USNM
Salinas	1932	2	USNM
Patterson	1921	1	USNM
Palo Alto	1924	1	USNM
Pasadena	-	1	USNM
Exeter	1907	1	FSCA
San Diego	-	1	AMNH
Brentwood	1938	11	AMNH
Santa Monica	1923	1	AMNH
Los Angeles	1915	1	FMNH
Pleasanton	1934	1	FMNH
No data	-	1	FMNH
Contra Costa Co.	1909	1	FMNH
L.A. Co., Grizzly Canyon	1907	1	FMNH
San Francisco Co., Ingleside	1911	1	FMNH
Red Bluff	1961	1	FMNH
No data	-	1	INHS
NO data	-	1	MCZ
Riverside	1890	1	MCZ
Los Angeles Co.	1905	4	MCZ
Kernville	1917	1	MCZ

Nicrophorus marginatus (Fabricius) 1801California

Mendota	1925	3	MCZ
San Diego	-	3	MCZ
Colton	1888	2	MCZ
San Bernardino Co.	-	1	MCZ
S. L. Obispo Co., Shandon	1957	1	CIS
Siskiyou Co., 9 mi. E. McCloud	1974	1	CIS
Woodland	1949	1	CIS
Laguna Beach	1921	20	CIS
Santa Paula	1923	1	CIS
Turlock	1917	2	CIS
Sonoma Co.	1965	1	CIS
Vernalis	1933	2	CIS
Butte Co., Butte City	1937	1	CIS
Bass Lake	1937	3	CIS

Colorado

Denver	1910	3	USNM
Colorado Sprs.	1910	2	USNM
Colorado Sprs.	1896	1	USNM
Denver	1910	1	USNM
Rocky Ford	1910	1	USNM
Grand Junction	1901	1	USNM
Trinidad	1946	1	FSCA
Estes Park	1936	2	AMNH

Nicrophorus marginatus (Fabricius) 1801Colorado

Wray	1919	1	AMNH
Garfield Co., 6 mi. N. Rifle	1941	1	FMNH
No data	-	1	FMNH
Wray	1931	1	FMNH
Denver	-	1	CMNH
No data	-	6	MCZ
Fort Reynolds	-	2	MCZ
Colorado Springs	1896	1	MCZ
Denver	-	1	MCZ
Colorado Springs	1954	1	CIS
Palmer Lake	1955	1	CIS
Pawnee Nat. Grassland Hdqs.	1973	2	UBC
San Juan Mtns.	-	1	OSU

Connecticut

E. Hartford	1939	1	FSCA
Cornwall	1918	1	CNC
No data	-	1	AMNH
Norwalk	1916	1	USNM
Cornwall	1920	4	CU

Delaware

Rehoboth Bch.	1942	2	USNM
Georgetown	1950	1	MCZ

Idaho

Hollister	1932	1	USNM
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Nicrophorus marginatus (Fabricius) 1801Idaho

Ft. Sherman	1896	1	USNM
Rexburg	1922	1	USNM
10 mi. E. Nampa	1960	2	OSU

Illinois

Rockford	1934	1	USNM
Winnebago Co.	1959	1	CNC
Galena	1875	2	AMNH
Mascontah	1945	1	AMNH
Chicago	1915	1	FMNH
Cook Co.	1906	1	FMNH
Riverdale	1907	1	FMNH
Chicago	1908	1	FMNH
Carbondale	1907	1	INHS
Algonquin	-	3	INHS
Urbana	1899	1	INHS
Urbana	1940	1	INHS
No data	-	12	INHS
Chicago	1938	1	INHS
Cook Co.	-	1	INHS
Putnam Co.	1932	2	INHS
Bloomington	1883	2	INHS
Champaign	1947	1	INHS

Nicrophorus marginatus (Fabricius) 1801Illinois

Putnam Co.	1915	1	INHS
Putnam Co.	1932	1	INHS
Cook Co., Northfield	-	1	MCZ
Lake Forest	1899	1	MCZ
No data	-	3	MCZ
Lake Forest	1906	1	CU

Indiana

Indianapolis	1962	2	FSCA
Mineral Springs	1911	1	FMNH
Porter Co., Beverly Shores	1933	3	FMNH
Michigan City	1935	2	FMNH
Porter Co., Indiana Dunes St. Pk.	1955	1	FMNH
North Judson	1913	7	INHS
Hammond	1896	5	INHS

Iowa

Ames	1956	3	FSCA
Marshall Co.	1949	1	INHS
Crawford Co.	-	1	MCZ
No data	-	2	MCZ
Johnson Co.	1957	11	CIS
Newport	1957	1	CIS

Kansas

Salina	-	1	USNM
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Nicrophorus marginatus (Fabricius) 1801Kansas

Wichita	1932	1	USNM
Troy	1939	1	USNM
Scott City	-	1	USNM
Liberal	-	1	USNM
Lincoln Co., Lincoln	1963	1	FSCA
Pot. Co.	1955	1	FSCA
Manhattan	1954	3	FSCA
Wallace Co., 2 mi. E. Sharon Sprs.	1971	2	AMNH
Kiowa Co., 5 mi. N. Belvidue	1940	1	AMNH
Wichita	1930	2	AMNH
Topeka	1923	1	CMNH
Dickinson Co.	1901	1	CMNH
No data	-	3	MCZ
Douglas Co., Lawrence	1943	2	CIS
Wallace Co., Sharon Sprs.	1949	2	CIS
Wallace	1885	1	MCZ
Douglas Co.	-	2	CU

Kentucky

Rockcastle Co.	1963	1	CNC
Henderson	1922	1	CU
Louisville	1950	1	CU

Maryland

No data	-	1	MCZ
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Nicrophorus marginatus (Fabricius) 1801Massachusetts

Hyannisport	1899	1	AMNH
No data	-	1	AMNH
Lawrence	-	1	FMNH
No data	-	1	FMNH
Nantucket Isl.	-	14	INHS
Woburn	-	1	MCZ
No data	-	6	MCZ
Chicopee	-	2	MCZ
Springfield	-	5	MCZ
Brookline	-	2	MCZ
Fall River	1906	4	MCZ
Low.	-	2	MCZ
Wayland	1907	2	MCZ
Tyngsboro	1896	4	MCZ
Westport	1940	1	MCZ
Wellesley	1920	1	MCZ
Nantucket	1899	2	MCZ
Cambridge	-	2	MCZ
Sherborn	1934	1	MCZ

Michigan

East Lansing	1962	1	FSCA
Ludington	1932/33	1/1	FMNH

Nicrophorus marginatus (Fabricius) 1801Michigan

Pentwater	1925	1	FMNH
Agric. College	-	1	CU
Oceana Co., Stony Lake	1957	1	CU

Minnesota

Fergus Falls	-	10	USNM
Duluth	-	1	INHS

Missouri

St. Louis	1909	1	USNM
Valley Park	1922	1	USNM
St. Louis	1936	1	AMNH
St. Louis	1950	1	CIS

Montana

No data	-	3	USNM
Billings	1941	1	FMNH

Nebraska

Alliance	-	1	USNM
Brown Co., Ainsworth	1946	2	FMNH
No data	-	4	MCZ

Nevada

Reno	1940	1	USNM
Pershing Co., Rye Patch Dam, 22 mi. NE Lovelock	1978	1	CIS

Nicrophorus marginatus (Fabricius) 1801New Jersey

Boonton	1901	1	USNM
Merchantville	1915	1	USNM
Dundee Lake	1908	1	USNM
Ramsey	1912	1	AMNH
Garret Mts.	1901	1	AMNH
Lakewood	-	1	AMNH
Paterson	1926	1	AMNH
Highstown	1919	1	INHS
No data	-	3	MCZ

New Hampshire

No data	-	5	MCZ
Amhurst	-	3	MCZ

New Mexico

Koehler	-	1	USNM
Albq.	-	1	USNM
Coolidge	-	1	USNM
Koehler Jct.	1913	1	USNM
No data	-	2	AMNH
No data	-	1	AMNH
Albq.	1946	1	INHS
No data	-	2	MCZ
Hobbs	1936	4	CIS

Microphorus marginatus (Fabricius) 1801New Mexico

San Miguel Co., Las Vegas	1959	1	CIS
Mescalera Res.	1927	1	CU

New York

Medina	1939	2	USNM
Brooklyn	1902	2	USNM
Long Island	1902	1	USNM
Lake Charlotte	1920	1	USNM
Chautauqua Co.	1939	1	USNM
Buffalo	1940	1	USNM
Jamaica	-	1	USNM
Powder Mills	1956	1	FSCA
Oswego	1936	1	FSCA
Catt. Co., Crystal Lake	1932	1	FSCA
Ithaca	1949	1	FSCA
Newack	1937	1	CNC
No data	-	1	AMNH
N.Y. City	-	1	AMNH
Long Island, Flatbush	1891	1	AMNH
Somers	1935	4	AMNH
Long Island, Corona	1923	1	CMNH
L.I., Montauk Point	-	1	MCZ
L.I., Sea Cliff	-	1	MCZ

Nicrophorus marginatus (Fabricius) 1801New York

No data	-	1	MCZ
Staton Isl.	-	1	CIS
Oswego	1941	1	CU
Ithaca	1889	5	CU
Ithaca	1916	1	CU
Buffalo	-	1	CU
Oswego Co.	1937	1	CU

North Carolina

Table Rock	1935	4	AMNH
Julian	1932	2	AMNH
Table Rock	1935	1	CIS

North Dakota

Antler	1920	2	USNM
Donson	1917	1	USNM
Lansford	1914	1	USNM
Dickinson	1906	1	USNM
No data	-	2	AMNH
Richmond Co., 11 mi. W. Walcott	1972	2	CIS
Devil's Lake, Devil's Heart	1932	1	CU

Ohio

Clinton Co.	1956	1	USNM
Butler	1929	1	AMNH
No data	-	1	MCZ

Nicrophorus marginatus (Fabricius) 1801Oklahoma

Enid	1932	1	USNM
Guymon	1932	1	USNM
Texas Co.	1930	1	AMNH
Alva	1899	2	FMNH
Texas Co.	1935	2	MCZ

Oregon

Portland	1932	5	USNM
Marion	-	1	USNM
Linn Co.	-	1	USNM
Klamath Falls	1956	1	FSCA
Klamath Co., Bonanza	1961	1	FSCA
Merrill	1933	1	AMNH
Eugene	1941	4	FMNH
Lane Co., 10 mi. NNW of Junction City	1947	1	FMNH
Corvallis	1897	1	CMNH
Corvallis	1906	1	CMNH
Salem	1899	1	CMNH
Grant Co., South Side Graylock Butte	1961	7	CMNH
Wooster	1939	1	CMNH
John Day	1961	1	CMNH
Corvallis	-	4	OSU
Grant Co.	1914	1	OSU

Nicrophorus marginatus (Fabricius) 1801Oregon

Hermiston	1924	1	OSU
Gresham	1954	1	OSU
Corvallis	1960	1	OSU
Corvallis	1955	1	OSU
Lake Labish	1926	2	OSU
Talent	1933	2	OSU
Coos Co., Fairview, 5 mi. NE Coquille	1958	10	OSU
Benton Co., Corvallis	1962	1	OSU
Gaston, Wapato Lake	1929	1	OSU
Morrow Co., Beardman	1961	1	OSU
<u>Pennsylvania</u> Westchester	-	1	USNM
Frankford	1910	2	USNM
Tinicum Island	1898	1	USNM
Philadelphia	1897	1	USNM
Bethl-m	-	1	FMNH
Pittsburgh	-	2	CMNH
Jeannette	-	4	CMNH
Allegheny Co.	-	10	CMNH
Pittsburgh	1902	1	CMNH
No data	-	1	MCZ
Philadelphia	-	1	MCZ
St. College	1950	1	CIS

Nicrophorus marginatus (Fabricius) 1801Pennsylvania

Allegheny Co.	1887/96	1/2	CU
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Rhode Island

Watch Hill	1909	1	USNM
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No data	-	1	FMNH
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South Dakota

Volga	-	1	USNM
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Washabaugh Co., Stage Ck., Badlands Natl. Pk.	1972	1	AMNH
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Edgemont	-	1	MCZ
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Scenia	-	1	MCZ
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Tennessee

Deer Lodge	1933	2	USNM
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Benton Co.	1952	1	FSCA
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Mt. LeConte	1937	1	AMNH
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Texas

El Paso	1908	1	USNM
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Groon	1938	1	USNM
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Ulvalde	1931	2	USNM
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Cooper	-	1	USNM
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Sonora	1920	1	USNM
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Canyon	1932	2	USNM
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Channing	1932	3	USNM
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Dryden	1931	1	USNM
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Nicrophorus marginatus (Fabricius) 1801Texas

Lubbock	1932	1	USNM
Ozona	1931	1	USNM
Sheffield	1931	1	USNM
Stratford	1931/32	1/1	USNM
Junction	1931	1	USNM
Uvalde	1938	1	FSCA
Kerville	1931	1	USNM
Andrews	1968	1	FSCA
Marathon	1961	1	CNC
No data	-	4	FMNH
Culberson Co., 2½ mi. E. of Nickle Creek Station	1952	4	FMNH
No data	-	1	INHS
Lexington	1908	1	INHS
No data	-	20	MCZ
Bexar Co., San Antonio	1959	1	MCZ
Bexar Co., San Antonio	1958	2	CIS

Utah

Bear River	1915	1	USNM
Price	1937	2	USNM
Providence	1930	1	USNM
Logan	1931	1	USNM
Booelder Co., just S. Strevel, Idaho	1956	1	FSCA

Nicrophorus marginatus (Fabricius) 1801Utah

North Fork Provo Canyon	1904	1	FMNH
Vernal	1925	1	CMNH
Salt Lake City	1951	1	INHS
Mill Co., White Valley	1940	1	INHS
Millard Co., Fish Lake N. F.	1978	1	CIS
Salt Lake City	1926	5	CIS

Vermont

No data	1881	1	MCZ
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Virginia

Fredericksburg	1908	2	USNM
Onley	1927	1	USNM
Nelson Co.	1921	1	USNM

Washington

Yakima	1931	1	USNM
Klickitat Co., Spearfish	1954	1	FMNH
Puyallup	-	1	OSU

West Virginia

Terra Alta	1932	2	CMNH
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Wisconsin

Bayfield	-	1	USNM
Prairie d. Ch.	-	2	FMNH
Beaver Dam	-	1	INHS

Nicrophorus marginatus (Fabricius) 1801Wyoming

Cheyenne	1905	1	USNM
Niobrava Co.	1915	1	USNM
Cheyenne	-	1	CMNH
No data	-	1	CMNH
Cheyenne	1896	2	MCZ
Torrington	1930	2	MCZ
Casper	1938	3	CIS

CanadaAlberta

Medicine Hat	1929	8	UCD
Lethbridge	1924	2	CNC
Milk River	1928	1	CNC
Medicine Hat	1928	1	AMNH
Medicine Hat	1928	1	USNM
Medicine Hat	1928	1	UBC

Manitoba

No data	1931	1	MCZ
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Ontario

Toronto	-	1	USNM
Toronto	1929	2	USNM
Toronto	1896	1	FSCA
Chatham	1927	1	CNC
Preston	-	1	CNC

Nicrophorus marginatus (Fabricius) 1801Ontario

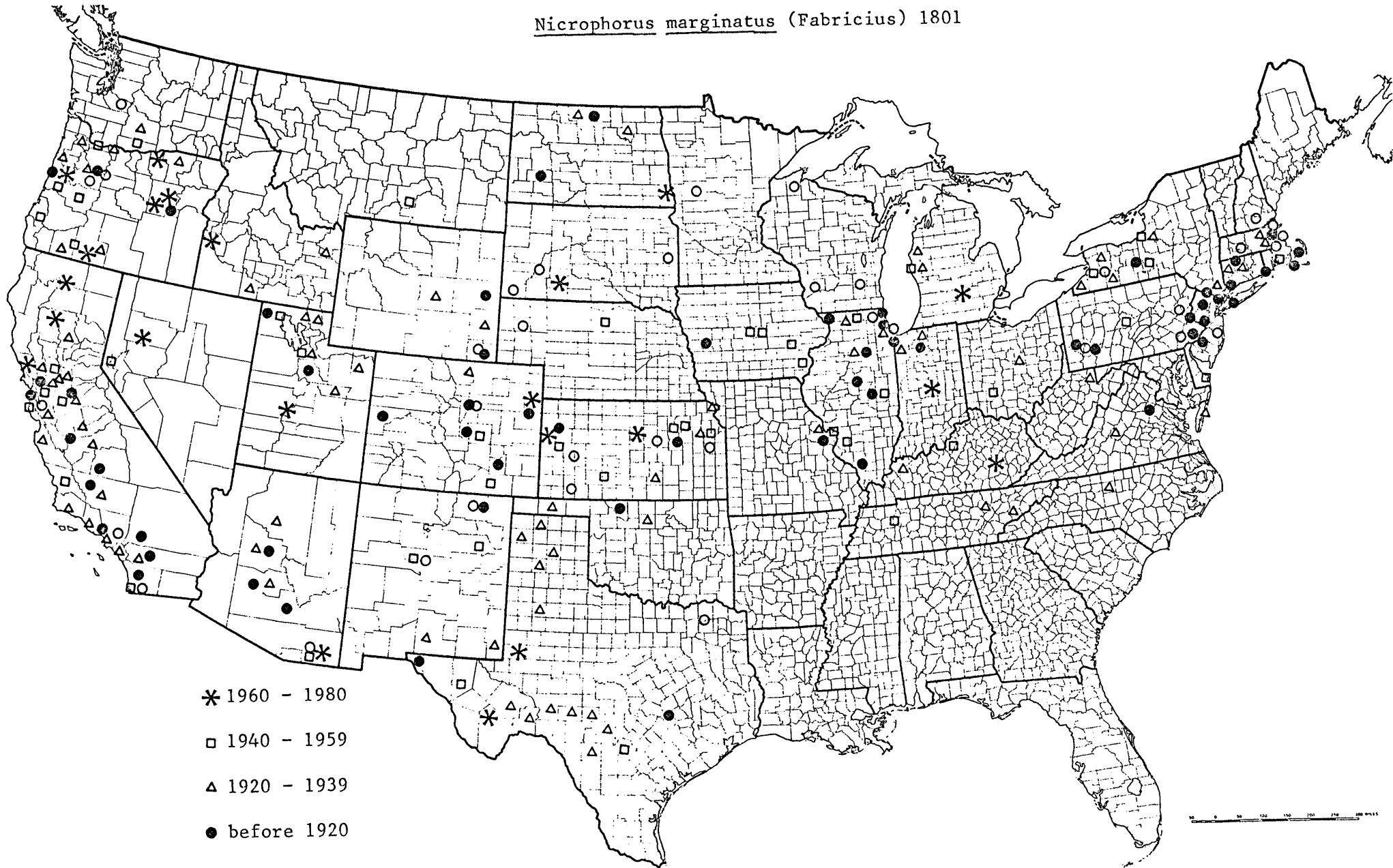
Prince Edward Co.	1921	5	CNC
Chatham	1911	1	CNC
Prince Edward Co.	1933	1	UBC
Toronto	1896	5	CU

Saskatchewan

Redvers	-	1	MCZ
Val Marie	1944	3	UBC

Mexico

Chih., Catarinas	1947	1	AMNH
239 km. S. Ciudad Juarez	1947	1	AMNH
Aguascal., 15 mi. E. Aguascalientes	1953	1	AMNH
Chih., Salaices	1947	1	AMNH
Durango, 18 mi. E. El Salto	1953	1	AMNH
Michoacan, Tancitaro	1941	1	AMNH
Michoacan, Tancitaro	1940	1	INHS
Mexico City	-	1	MCZ
Ags., Ags. Calientes	-	2	MCZ
No date	-	2	MCZ
Sanora, Hermosillo	1908	1	CU

Nicrophorus marginatus (Fabricius) 1801

Brennania belkini (Philip) 1966

(Diptera: Tabanidae: Pangoniinae)

Philip, C. B. 1966. New North American Tabanidae. XVIII. New species and addenda to a Nearctic catalog. Annals of the Entomological Society of America 59:525. (original description)

Middlekauf, W. W. and R. S. Lane. 1980. Adult and immature Tabanidae (Diptera) of California. Bulletin of the California Insect Survey 22:14-15 (notes on distribution and habitat)

Type-locality: Ensenada, Baja California Norte, Mexico

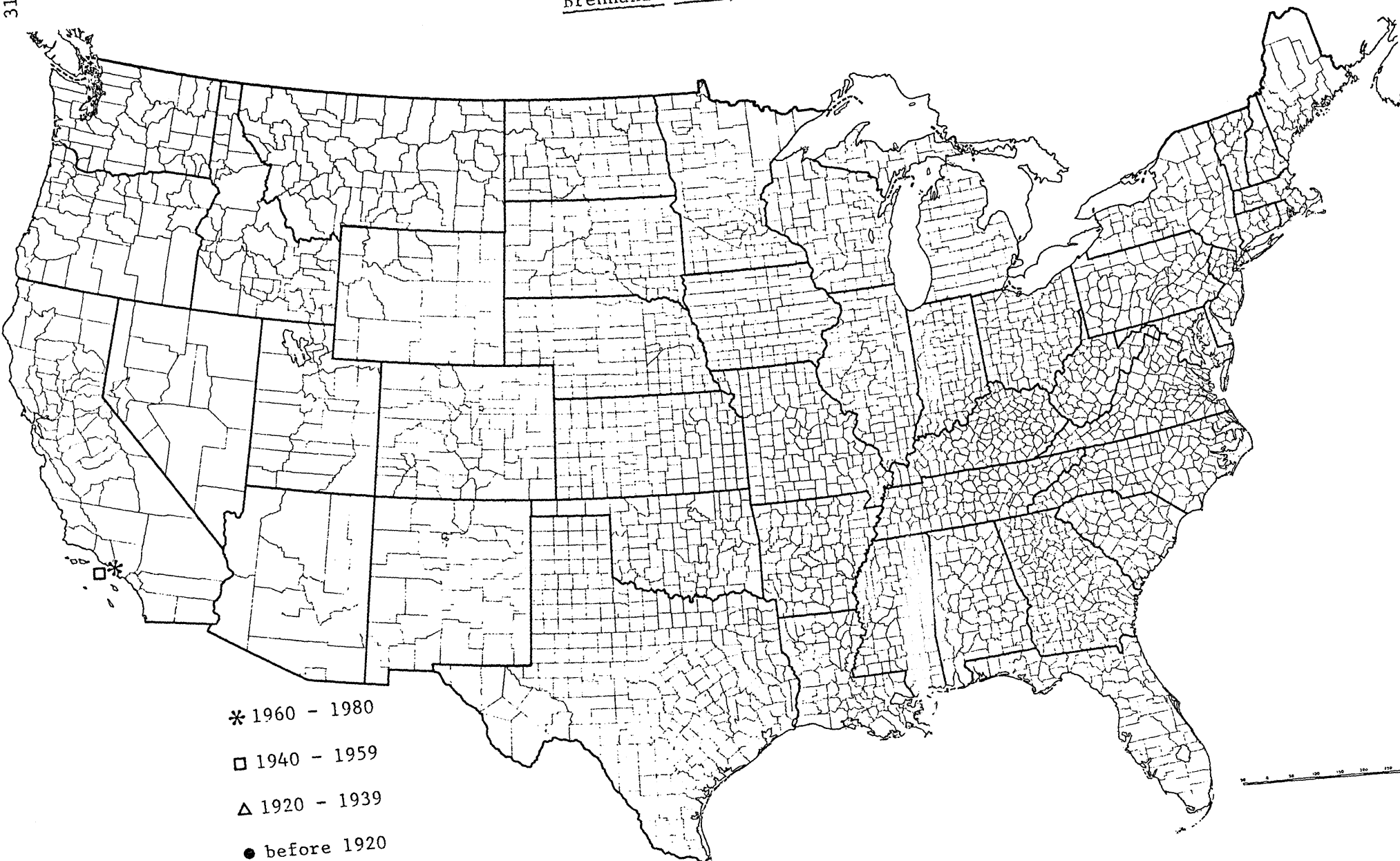
Brennania belkini (Philip) 1966

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Los Angeles Co., El Segundo	1975	1	CIS
Manhattan Beach	1949	1	CU
Playa del Rey, sand dunes	1947	1	CU
El Segundo, sand dunes	1953	1	CU

Brennania belkini (Philip) 1966

314



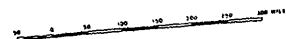
\* 1960 - 1980

□ 1940 - 1959

Δ 1920 - 1939

● before 1920

○ no date





Brennania hera (Osten Sacken) 1877

(Diptera: Tabanidae: Pangoniinae)

Osten Sacken, C. R. 1877. Western Diptera: Descriptions on new genera and species of Diptera from the region west of the Mississippi and especially from California. Bulletin of the United States Geological and Geographical Survey of the Territories 3:214. (original description)

Philip, C. B. 1941. Notes on three western genera of flies (Diptera: Tabanidae). Bulletin of the Brooklyn Entomological Society 36: 196. (taxonomy)

Philip, C. B. 1954. New North American Tabanidae. VIII. Notes on and keys to genera and species of Pangoniinae exclusive of Chrysops. Revista Brasileira de Entomologia 2:19. (taxonomy)

Middlekauf, W. W. and R. S. Lane. 1980. Adult and immature Tabanidae (Diptera) of California. Bulletin of the California Insect Survey 22:15-16. (taxonomy, distribution and biology)

Type-locality: San Francisco, California

Brennania hera (Osten Sacken) 1877

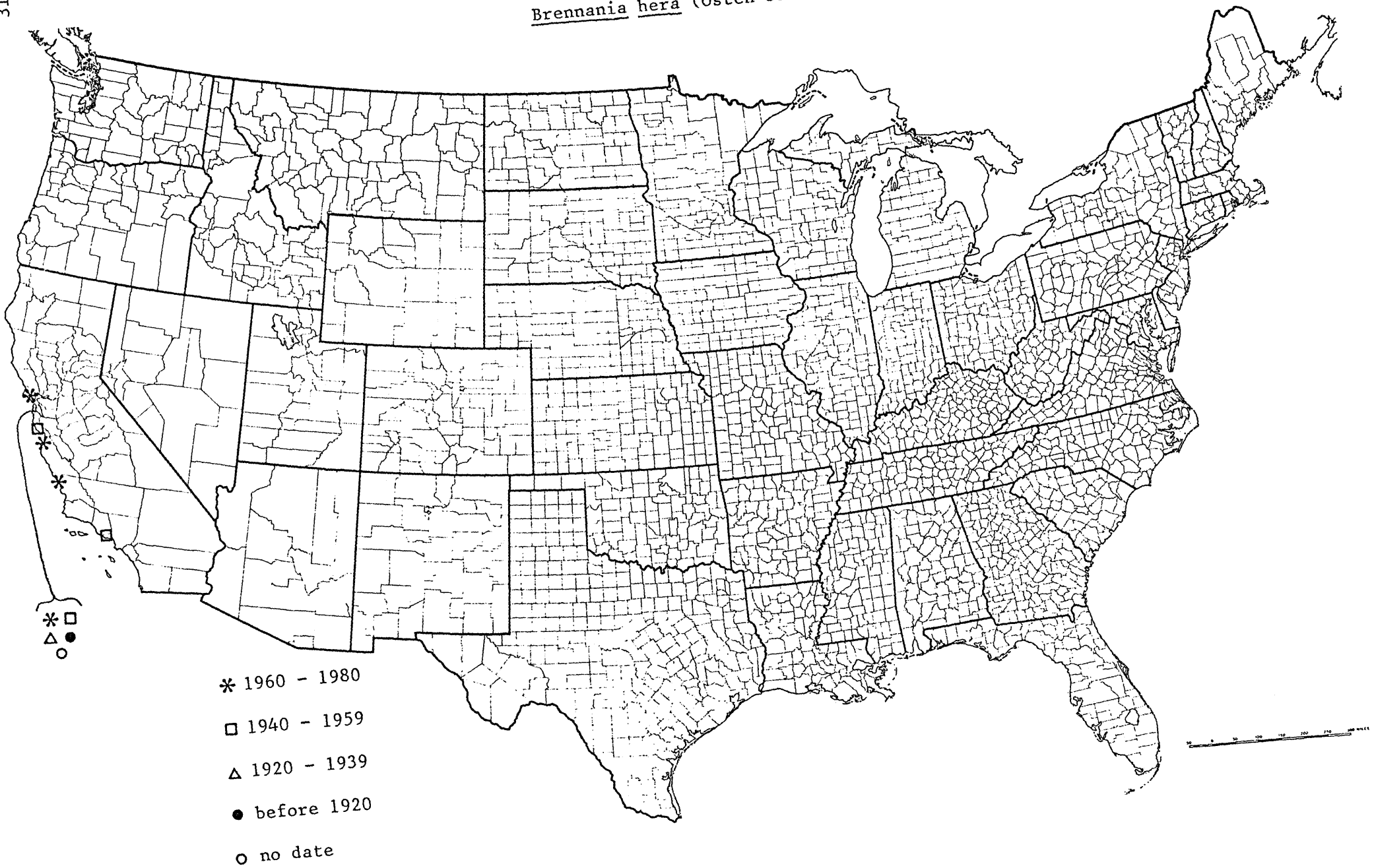
## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
San Francisco	1925	2	USNM
6 mi. W. Inverness	1962	7	UCD
Monterey Co., Marina	1970	1	UCR
San Luis Obispo Co., 1 mi. N. Morro Bay	1970	1	UCR
Los Angeles Co., El Segundo Dunes	1941	1	CNC
Colma	1911	1	INHS
San Francisco	-/1925	1/1	MCZ
San Francisco	1925/40/47	3/1/1	CAS
San Francisco	1952/57	4/1	CAS
Colma	1911	3	CAS
San Francisco, Lone Mt.	1925	2	CAS
Davenport Beach	1948	1	CAS
San Mateo Co., Sharp Park	1957	2	CAS
San Francisco, Lobos Creek	1963	1	CAS
Marin Co., McClures Beach	1963	1	CIS
Marin Co., Pt. Reyes seashore, N. beach	1974/75	2/4	CIS
Pt. Reyes Pen., Whale Beach	1965	1	CIS
Colma	1911	1	CIS

Brennania hera (Osten Sacken) 1877California

Marin Co., Pt. Reyes Beach	1974	5	CIS
San Francisco	1960	1	CIS
Marin Co., Pt. Reyes Nat. Sea Shore, N. Beach, dunes	1976	14	CIS
Marin Co., Pt. Reyes	1975	1	CU

*Brennania hera* (Osten Sacken) 1877



Chrysops hyalinus Shannon 1924  
(Diptera: Tabanidae: Chrysopsinae)

- Shannon, R. C. 1916. Two new North American Diptera. Insecutor  
Inscitiae Menstruus 4:69-72. (Chrysops vitripennis n. sp.)
- Shannon, R. C. 1924. Change of preoccupied name (Dip.). Proceedings  
of the Entomological Society of Washington 26:178. (Chrysops  
hyalinus new name for C. vitripennis)
- Philip, C. B. and C. M. Jones. 1962. New North American Tabanidae.  
XV. Additions to records of Chrysops in Florida. Florida Entomologist  
45:67-69. (note on distribution)
- Philip, C. B. and H. V. Weems, Jr. 1966. Rediscovery of Chrysops  
(Liochrysops) hyalinus and new records for C. abatus. Florida  
Entomologist 49:115-117. (note on distribution)
- Philip, C. B., H. V. Weems, Jr., and G. B. Fairchild. 1973. Notes on  
eastern Nearctic Haematopota, Merycomyia and Chrysops, and description  
of male of C. zinzalus (Diptera: Tabanidae). The Florida Entomologist  
56(4):340. (notes on habitat and distribution)

Type-locality: Beltsville, Maryland

Chrysops hyalinus Shannon 1924

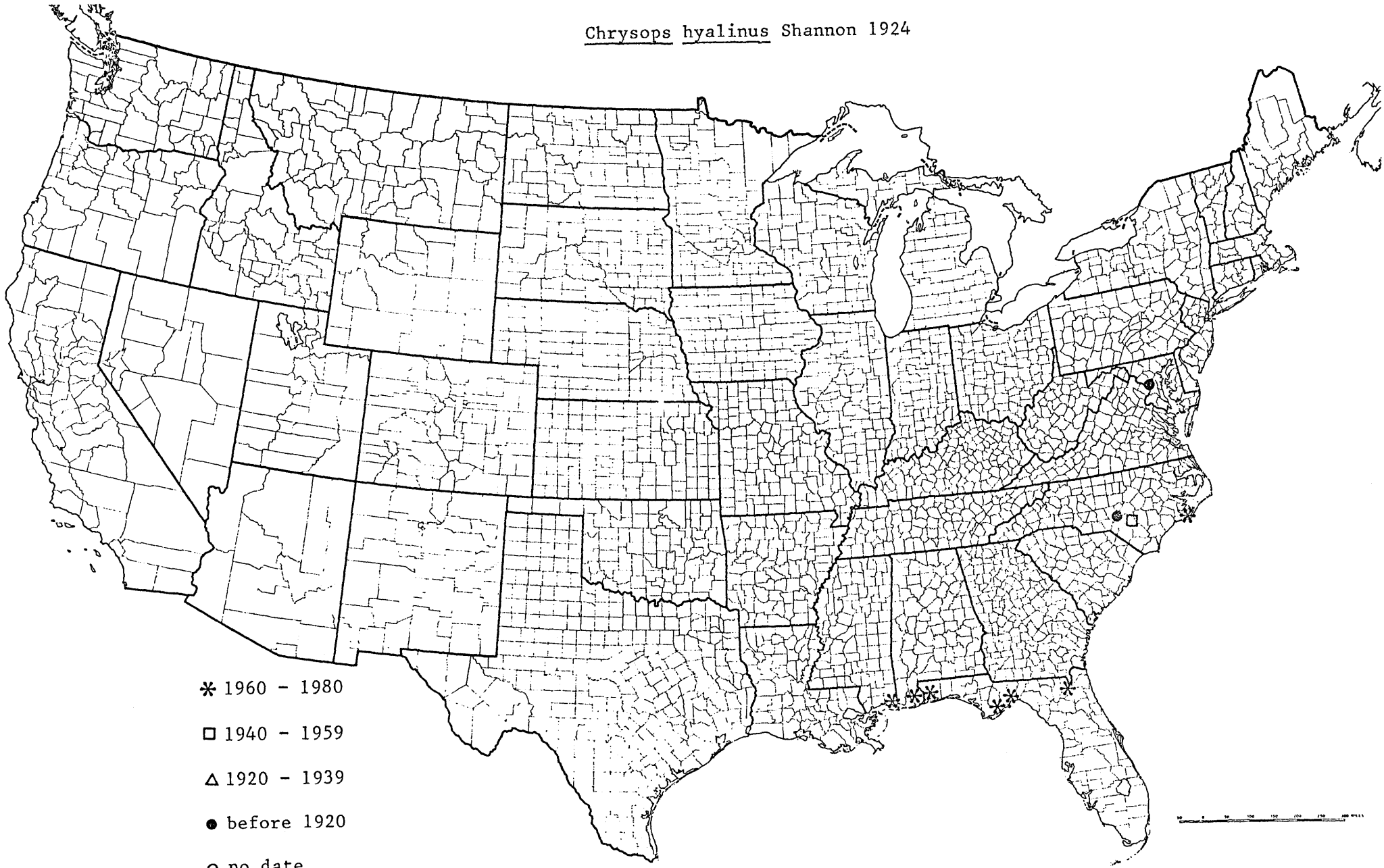
## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Alabama</u>			
Baldwin Co., 3 mi. SW of Seminole	1964	2	CU
<u>Florida</u>			
Glen St. Mary	1964	2	USNM
Wakulla Co., Ochlockonee Riv. State Park	1970	2	USNM
Wakulla Co., Ochlockonee St. Pk	1977	1	CNC
Escambia Co., 1 mi. E. Interstate 98	1967	1	CNC
Wakulla Co., Ochlochonee R. St. Pk.	1977	2	CU
Franklin Co., Wright L.-Hickory Landing	1979	1	CU
Walton Co., 1.5 mi. N. Grayton, Beach St. Pk.	1975	1	CU
Glen St. Mary	1964	2	CU
<u>Maryland</u>			
Beltsville	1916	1	MCZ
Beltsville, swamp	-	1	MCZ
<u>Mississippi</u>			
Jackson Co., T7S, R7W, B23	1975	3	CU
<u>North Carolina</u>			
Carteret Co., Gales Creek	1971	4	USNM

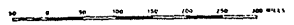
Chrysops hyalinus Shannon 1924North Carolina

Fayetteville	1940	1	USNM
Carteret Co., Gales Cr.	1971	1	CNC
Southern Pines	1908	2	MCZ
Carterette Co., Gales Cr.	1971	2	CU
South Pines	1908	1	CU

Chrysops hyalinus Shannon 1924



- \* 1960 - 1980
- 1940 - 1959
- Δ 1920 - 1939
- before 1920
- no date





Eulonchus marialiciae Brimley 1925

(Diptera: Acroceridae)

Brimley, C. S. 1925. New species of Diptera from North Carolina.

Entomological News 36:73-77. (original description)

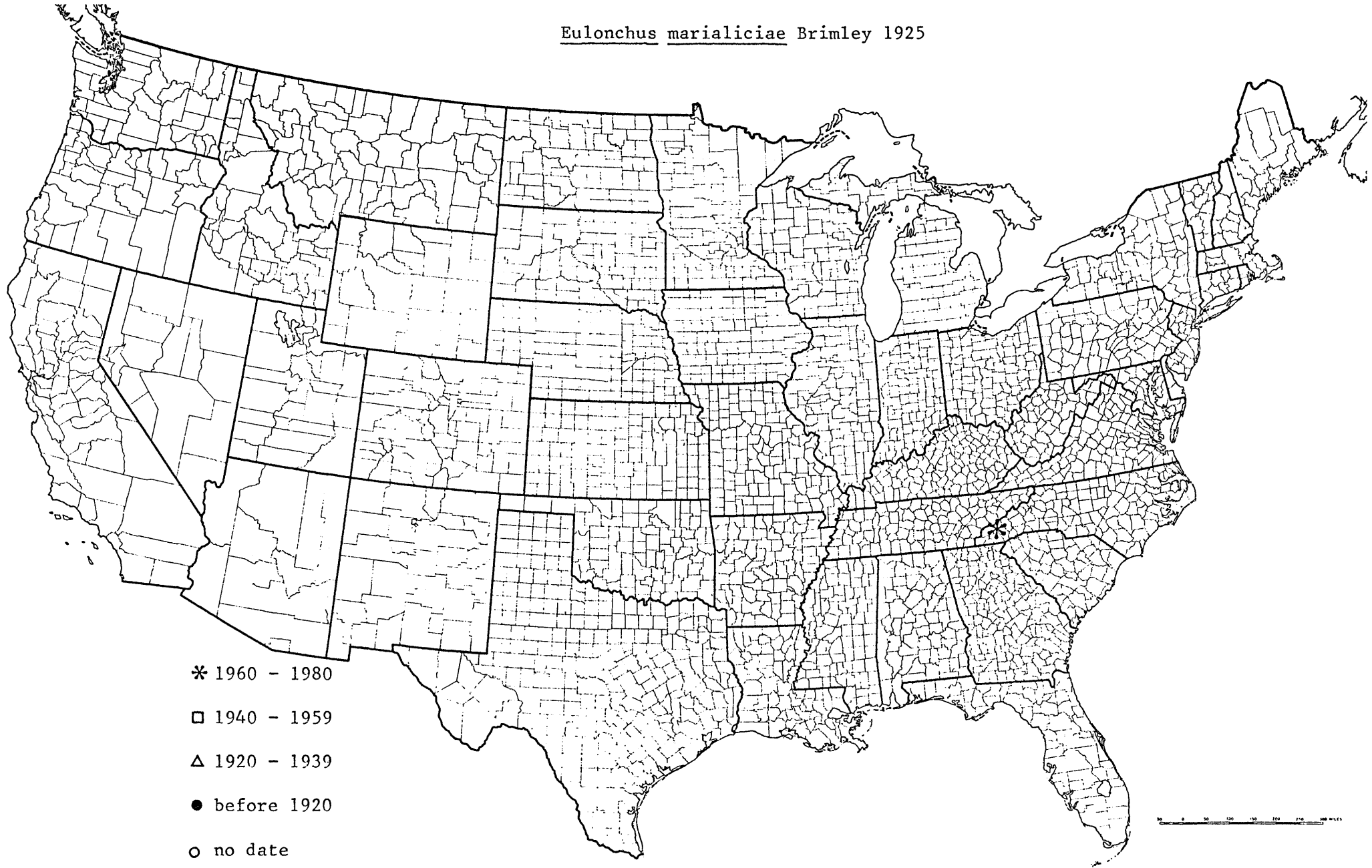
Type-locality: Andrews Bald Mt., Swain County, North Carolina

Eulonchus marialiciae Brimley 1925

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>North Carolina</u>			
Blue Ridge Parkway, Hintooga overlook, 5335', Swain Co.	1965	1	CNC

Eulonchus marialiciae Brimley 1925



Raphiomydas trochilus (Coquillett)

(Diptera: Apioceridae)

- Coquillett, D. W. 1892. A new genus of Diptera allied to Rhaphiomidas.  
Canadian Entomologist 24:314-15. (original description)
- Cazier, M. A. 1941. A generic review of the family Apioceratidae with  
a revision of the North American species (Diptera-Brachycera).  
American Midland Naturalist 25(3):589-631. (taxonomy, distribution)
- Cazier, M. A. 1954. New species and notes on flies belonging to the  
genera Rhaphiomidas and Apiocera (Diptera-Apioceratidae). American  
Museum Novitates, no. 1696, pp. 1-10. (in key)

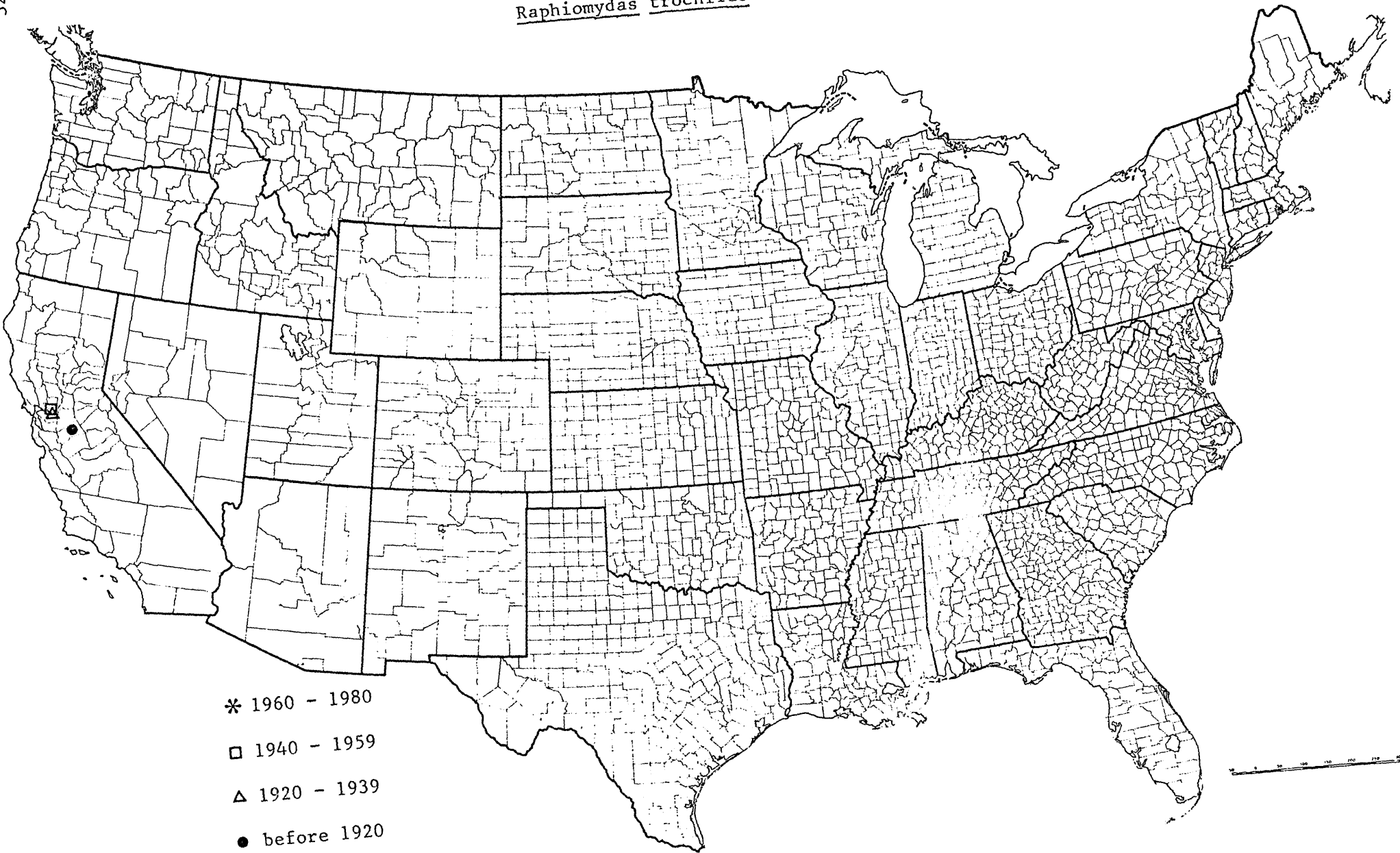
Type-locality: Merced County, California

Raphiomydas trochilus (Coquillett) 1892

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Antioch	1935	2	UCD
Antioch, Contra Costa Co.	1948	3	CNC
Ceres	1857	1	MCZ
Contra Costa Co., Antioch	1933/50	1/2	MCZ
Antioch	-	1	MCZ
Antioch	1933-38	11	CAS
Antioch	1941/42	1/1	CAS
Contra Costa Co., Antioch	1933-36	3	CIS
Contra Costa Co., Antioch	1947/50	8/2	CIS
Antioch	1954	3	CU

*Raphiomydas trochilus* (Coquillett) 1892



\* 1960 - 1980

□ 1940 - 1959

△ 1920 - 1939

● before 1920

○ no date

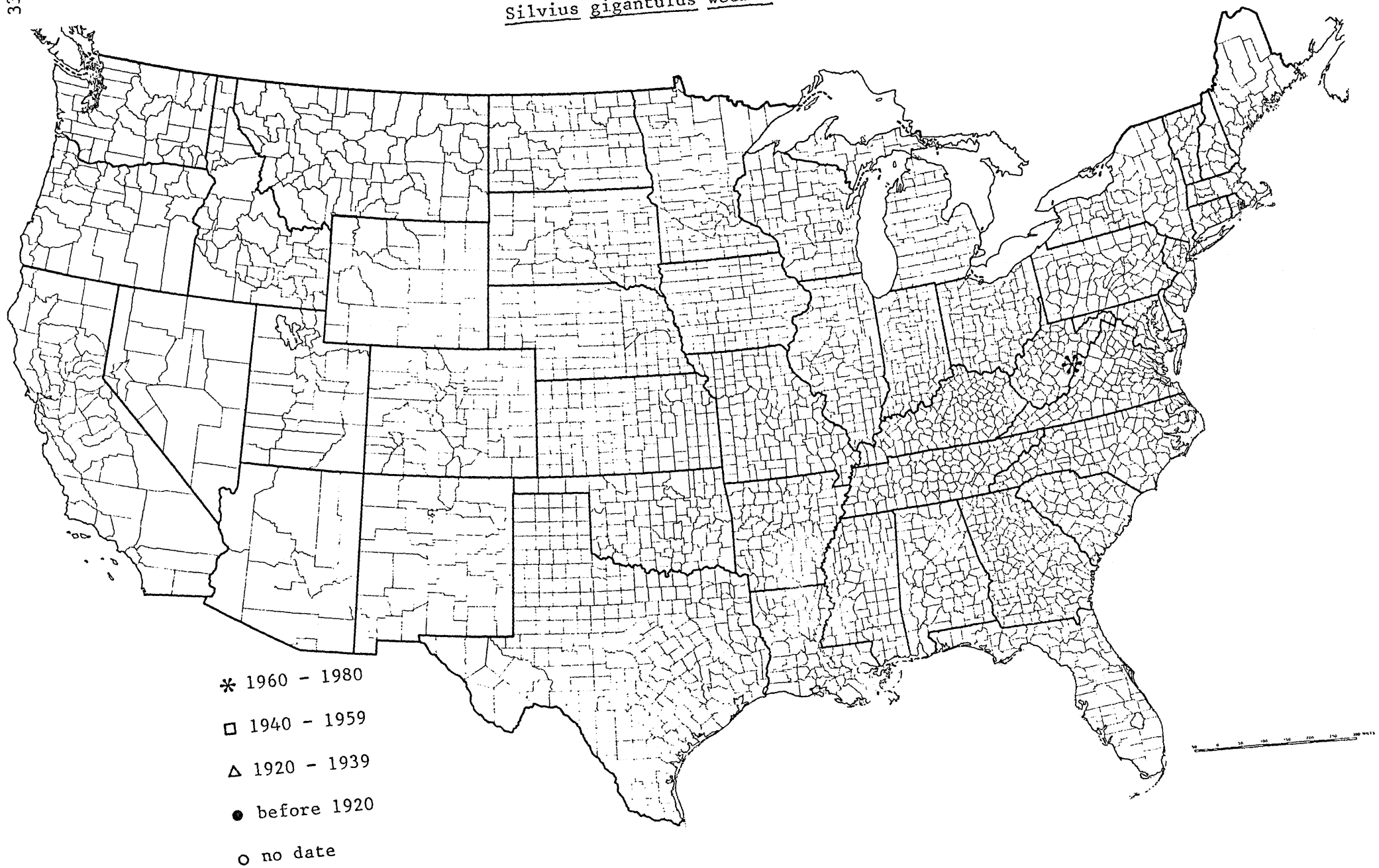
Silvius gigantulus weemsi Fairchild 1975

(Diptera: Tabanidae: Chrysopsinae)

Fairchild, G. B. 1975. The North American species of Silvius  
(Silvius) Meigen (Diptera: Tabanidae). The Florida Entomologist  
58:23-27. (original description)

Type-locality: West Virginia, Pocahontas Co., Monongahela National  
Forest, Cranberry Glades, 3400 feet.

*Silvius gigantulus weemsi* Fairchild 1975





Tabanus novascotiae Macquart 1847

(Diptera: Tabanidae: Tabaninae)

Macquart, J. 1847. Dipteres exotiques nouveaux ou peu connus  
(2nd supplement). Societe Royale des Sciences de l'Agriculture  
et des Arts, Lille, Memoire 1846:21-120. (original description)

Type-locality: Undesignated

Tabanus novascotiae Macquart 1847

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Connecticut</u>			
Stamford	1937/49	2/1	USNM
Redding	1932	1	USNM
Waterbury	-	1	MCZ
<u>Illinois</u>			
Lake Co., 2 mi. NW of Fox Lake	1970	1	FMNH
<u>Indiana</u>			
Tremont, Dune State Park	1961	1	FMNH
<u>Maine</u>			
Mt. Katahdin, Camp Kennedy	1902	8	USNM
Indian Town	1946	1	USNM
Mt. Desert	-	1	USNM
Sebago Lake	1914	1	USNM
Lincoln Co.	1959	1	FSCA
Township A, Range 7	1966	1	FSCA
York Beach	1923	1	MCZ
Hancock Co., Cape Rosier	-	1	MCZ
Penobscot Bay	1930	1	MCZ
Bangor	-	2	MCZ
Northeast Harbor	-	2	MCZ

Tabanus novascotiae Macquart 1847Maine

Eastport	1958/67	1/1	CU
Arcadia Natl. Park, Blackwood Camp	1951	1	CU

Maryland

Beltsville	1916	1	CIS
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Massachusetts

Mt. Holyoke Gap	1914	1	USNM
Melrose High	1908	1	USNM
North Saugus	1906	1	USNM
Southbridge	-	1	USNM
Tauton	1963	1	FSCA
Concord	1918	1	INHS
No data	-	2	MCZ
Pittsfield	-	1	MCZ
Petersham	1940	1	MCZ
Milton, Blue Hills	1941	2	MCZ
Rowley	-	1	MCZ
Sherborn	1892/1919	1/1	MCZ
Tyngsboro	1935	1	MCZ
Melrs. Hghds.	1911	1	MCZ
Holliston	-	2	MCZ
Essex Falls Park, Walden Pond	-	1	MCZ
Brockton	1939	1	CAS
Framingham	1919	1	CAS

Tabanus novascotiae Macquart 1847Massachusetts

Woods Hole	1932	1	CAS
Milton	1924	1	CAS
Beach Bluff	1915	1	CAS
Woods Hole	1917	1	CU
Melrose	1910	1	CNC

Michigan

Menominee Co.	1949	1	USNM
Kaweenaw Co.	1947	1	MCZ
Livingston Co., Pinkney	1936	1	CAS
Oceana Co., Stony Lake	1957	1	CU
Delta Co.	1937	1	CU

Minnesota

Lake Co., 2 mi. NW of Fox Lake	1970	1	FMNH
St. Paul	1915	1	CAS

North Carolina

N.C.-Tenn., Smoky Mts., Newfound Gap	1936	1	MCZ
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New Hampshire

Hampton Falls	1940	1	USNM
Contoocook	1922	1	MCZ
Dublin	-	1	MCZ
Durham	1951	2	CAS
Rye	1952	1	CAS

Tabanus novascotiae Macquart 1847New Hampshire

Jaffrey	-	1	CAS
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New Jersey

Ladi	1931	1	USNM
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Princeton	1941	1	MCZ
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New York

Long Island, Quoque	1956	1	USNM
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Bedford, Westchester Co.	1957	1	FSCA
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Kingston	-	3	MCZ
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Yonkers, Dunwoodie	1920	1	MCZ
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Ithaca	1967/74	2/1	CU
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Schuyler Co., Texas Hollow	1968	1	CU
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L.I., Orient	1954	1	CU
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L.I., Babylon	1934	1	CU
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Columbia Co., Columbia	1974	1	CU
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Ithaca, Schwardt Lab., Cornell U.	1970	12	CU
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Herkimer Co., Mohawk	1973	1	CU
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Pennsylvania

Pike Co.	1956	1	FSCA
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Rhode Island

Kingston	-	1	USNM
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West Virginia

Cranberry Glades	1952	3	USNM
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Pocahontas Co., Cranberry Glades	1952	5	FSCA
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Tabanus novascotiae Macquart 1847Wisconsin

N. Wis.	-	1	MCZ
Waushara Co.	1969	1	CU

CanadaNew Brunswick

Sunbury Co., Acadia	1969	1	CNC
York Co., Douglas	-	1	CNC
Fredericton	1969	1	CNC

Nova Scotia

Antigo. Co.	1951	1	USNM
Briedy	1954	1	USNM
Cape Breton	1933	1	USNM
Cape Breton Island, Baddeck	1928/33	4/1	MCZ
Cape Breton, Baddeck	1933	16	MCZ
Cape North	1939	1	MCZ
Yarmouth	-	2	MCZ
Baddick	1939	1	MCZ
Cape Breton Is., Ingonish	1953	1	CAS
Cape Breton, Baddeck	1933	1	CIS
Cape Breton, Baddeck	1933	2	CU
White Point Beach	1935	6	CNC
Victoria Ct.	1975	1	CNC

Ontario

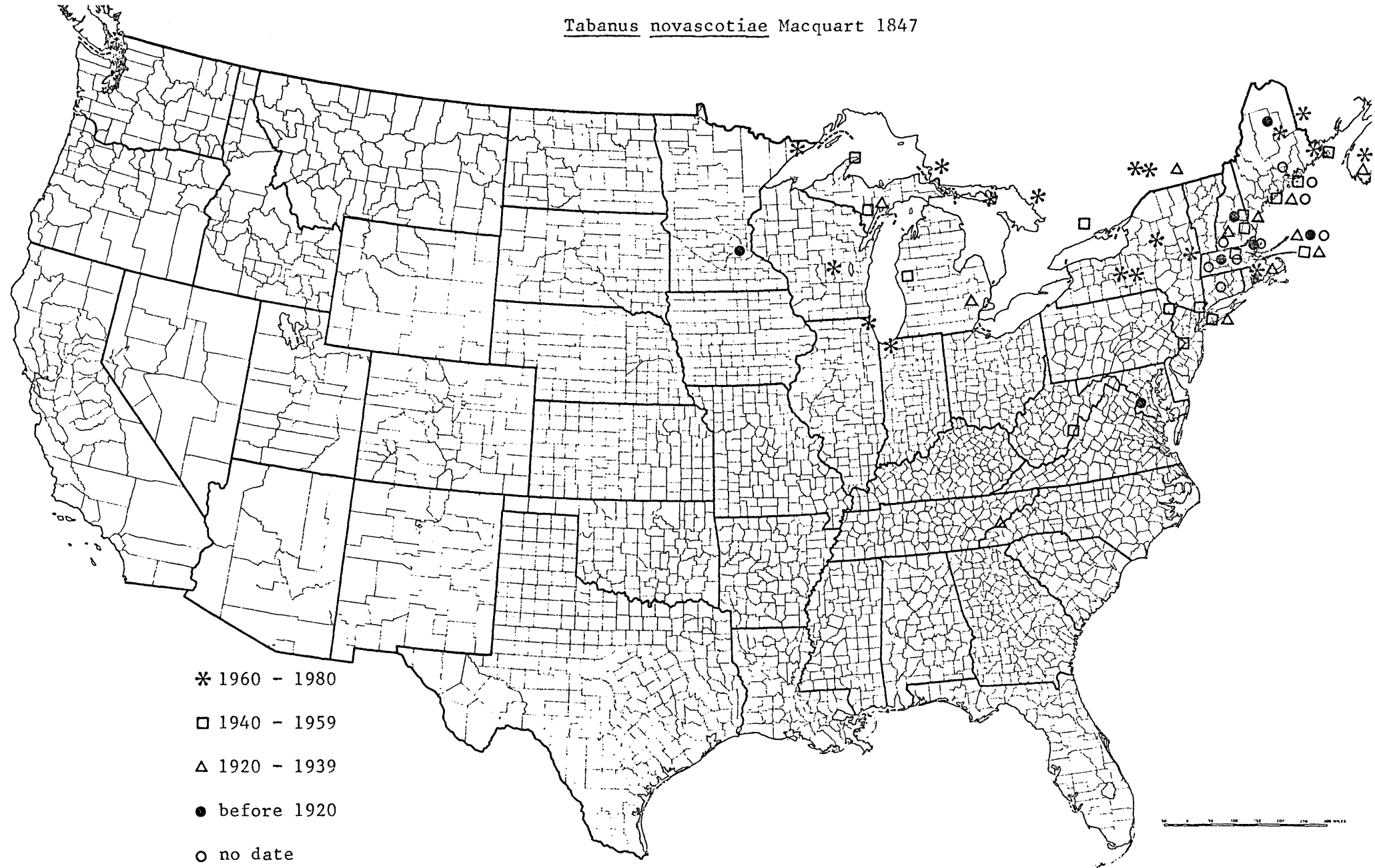
Lake Parham	1964	1	CU
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Tabanus novascotiae Macquart 1847Ontario

Marmora	1947	1	CNC
Belleville	-	1	CNC
Stittsville	1973	4	CNC
Mer Bleu	1966	1	CNC
Sinicee	1925	1	CNC
Drantford	1975	1	CNC
Key River	1975	1	CNC
Orrville	1975	1	CNC
Nipissing	1975	1	CNC
Killarney	1975	1	CNC
S. S. Marie	1975	1	CNC

Quebec

Abbotsford	1937	1	CNC
St. Jean	1934	1	USNM

Tabanus novascotiae Macquart 1847



Eucerceris ruficeps Scullen 1948

(Hymenoptera: Sphecidae: Philanthinae)

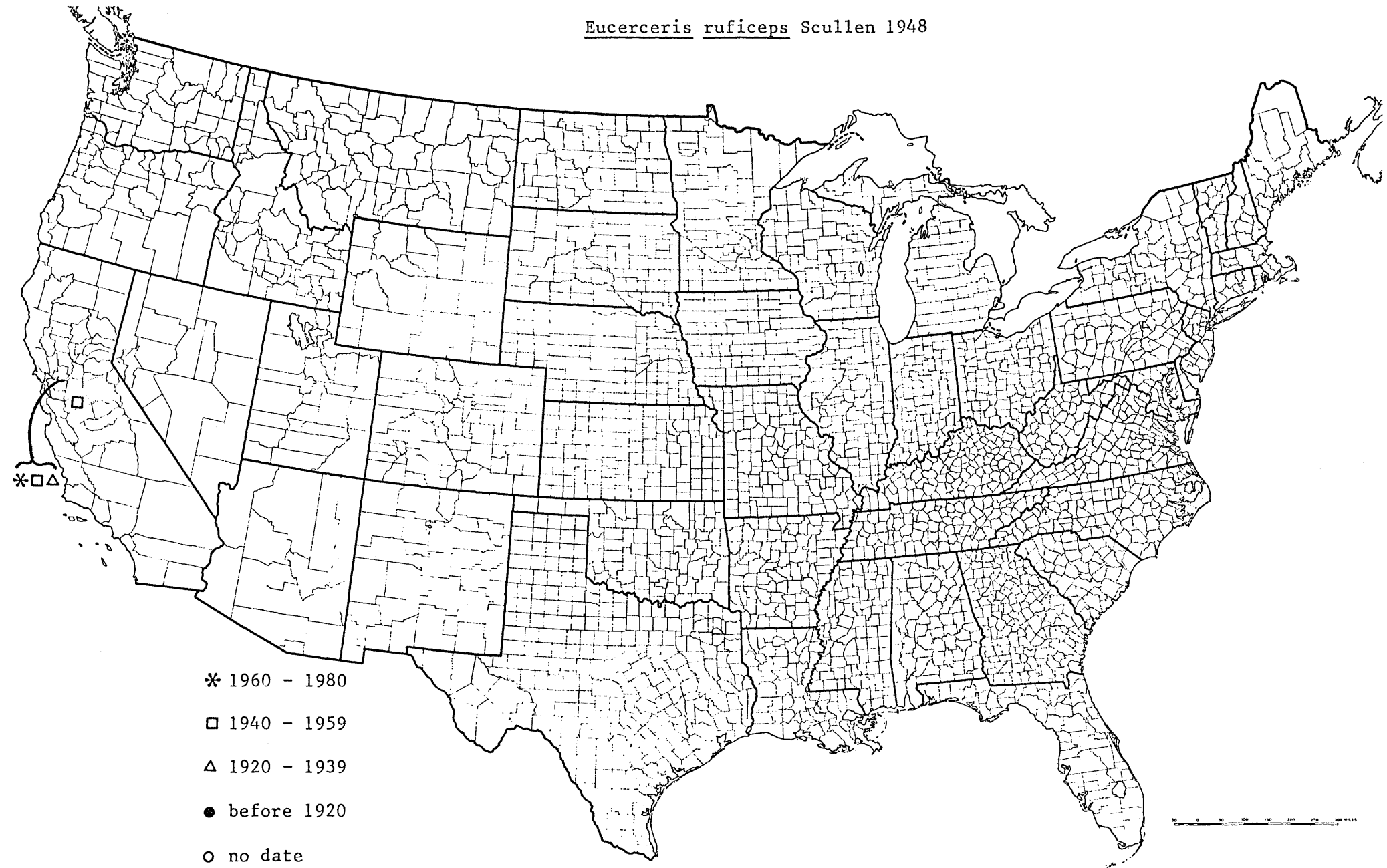
- Scullen, H. A. 1948. New species in the genus Eucerceris with notes on recorded species and a revised key to the genus. Pan-Pacific Entomologist 24:159. (original description)
- Linsley, E. G. and J. W. MacSwain. 1954. Observations on the habits and prey of Eucerceris ruficeps Scullen. Pan-Pacific Entomologist 30:11-14. (notes on biology)
- Bohart, R. M. and E. E. Grissell. 1975. California wasps of the subfamily Philanthinae (Hymenoptera: Sphecidae). Bulletin of the California Insect Survey 19:32-3. (notes on biology and distribution)

Type-locality: Antioch, California

Eucerceris ruficeps Scullen 1948

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Contra Costa Co., Antioch	1976/78	35/5	UCD
Contra Costa Co., Antioch	1934/65	1/1	UCD
Stanislaus Co., Del Puerto Canyon	1959	1	UCD
Antioch	1935	2	MCZ
Antioch	1938/39	1/1	CAS
Antioch	1940-49	5	CIS
Antioch	1952-59	15	CIS
Antioch	1936	1	CIS
Contra Costa Co., Betnel Is.	1956	1	CIS
Contra Costa Co., Antioch	1955	1	OSU

*Eucerceris ruficeps* Scullen 1948

Perdita intercerta ciliata Timberlake 1960

(Hymenoptera: Andrenidae)

Timberlake, P. H. 1960. A revisional study of the bees of the genus Perdita F. Smith, with special reference to the fauna of the Pacific Coast (Hymenoptera, Apoidea). Part IV. University of California Publications in Entomology 17:334. (original description)

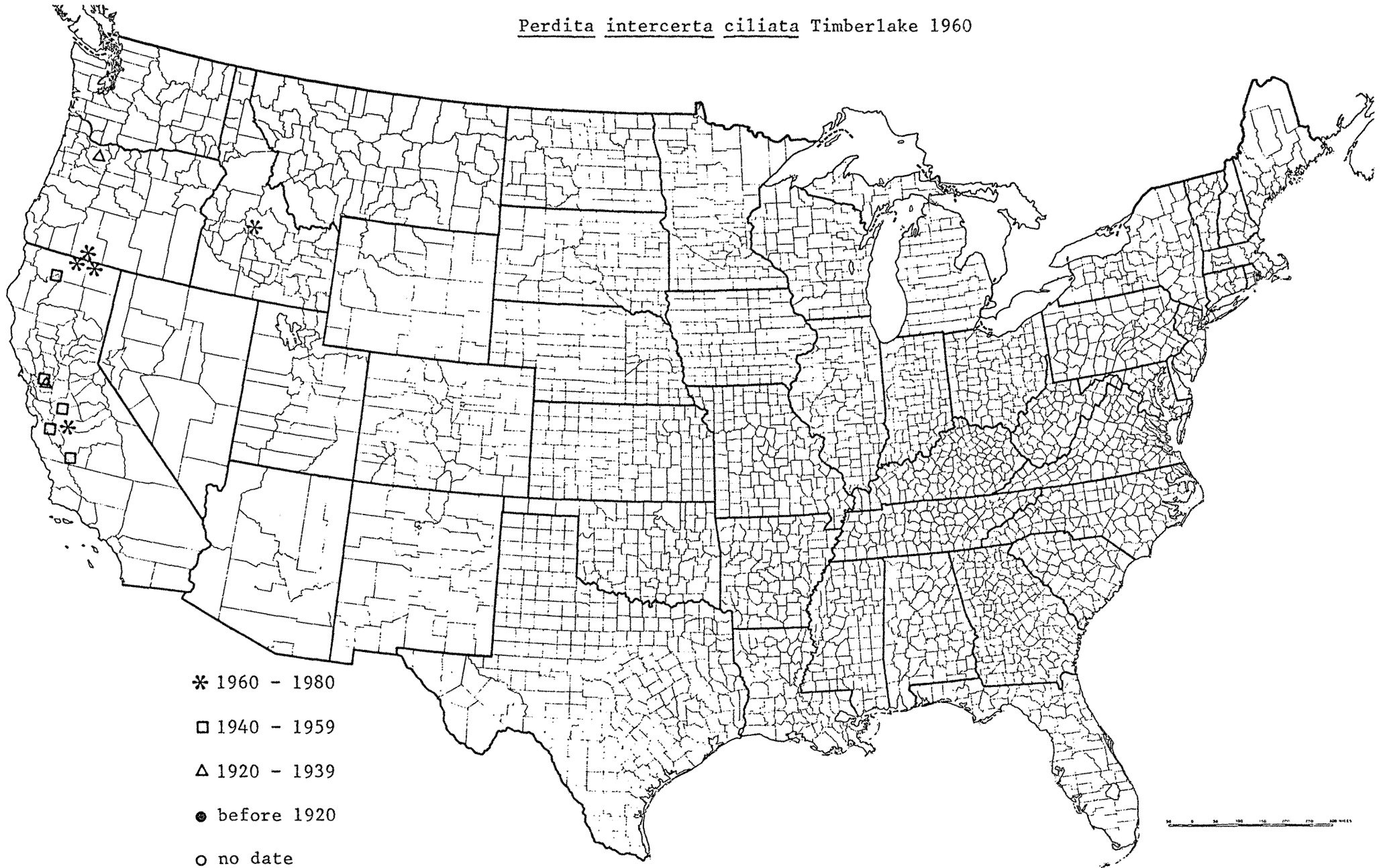
Type-locality: Antioch, Contra Costa California, California

Perdita interserta ciliata Timberlake 1960

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Turlock	1953	3	LACM
San Benito Co., Clear Creek	1959	2	LACM
Kings Co., 8 mi. NE Hanford	1959	8	LACM
Fresno Co., 2 mi. E. Coalinga	1959	2	LACM
Fresno Co., Panoche Cyn., 22 mi. SW Mendosa	1969	8	LACM
Modoc Co., Newell	1963	4	FSCA
Siskiyou Co., Lower Klamath L.	1963	2	FSCA
Contra Costa Co., Antioch	1938/47-48	3/5	CIS
Contra Costa Co., Antioch	1954-59	36	CIS
Siskiyou Co., Weed	1959	2	CIS
<u>Idaho</u>			
Custer Co., 20-25 mi. NE Stanley	1964	7	FSCA
<u>Oregon</u>			
Klamath Co., Merril	1964	2	FSCA
Oak Grove	1931	1	CIS

Perdita intercerta ciliata Timberlake 1960



Oecanthus laricis (T. J. Walker) 1963

(Orthoptera: Gryllidae: Oecanthinae)

Walker, T. J. 1963. The taxonomy and calling songs of United States tree crickets (Orthoptera: Gryllidae: Oecanthinae). II. The nigricornis Group of the genus Oecanthus. Annals of the Entomological Society of America 56:773. (original description)

Type-locality: E. S. George Reserve, Livingston County, Michigan

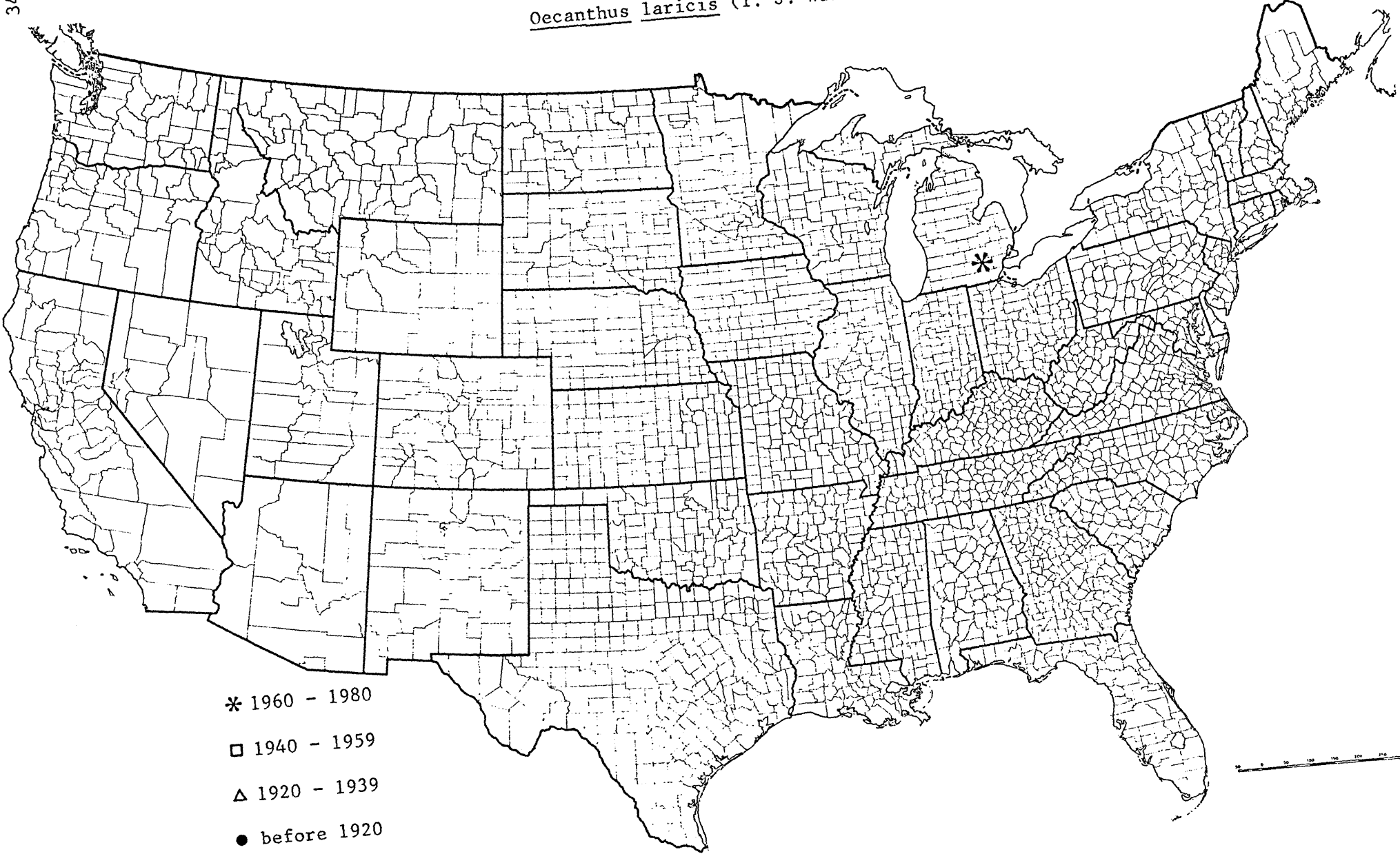
Oecanthus laricis (T. J. Walker) 1963

## LOCALITY DATA

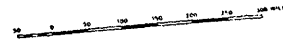
Locality	Date	Number of Specimens	Depository
<u>Michigan</u>			
Ann Arbor	1963	1	CAS



Oecanthus laricis (T. J. Walker) 1963



- \* 1960 - 1980
- 1940 - 1959
- △ 1920 - 1939
- before 1920
- no date



Oecanthus pini (Beutenmuller) 1894  
(Orthoptera: Gryllidae: Oecanthinae)

Beutenmuller, W. 1894. Description of a new tree-cricket. Journal  
of the New York Entomological Society 2:56. (original description)

Type-locality: Windham County, Connecticut

Oecanthus pini (Beutenmuller) 1894

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>Delaware</u>			
Bethany Beach	1953	1	INHS
<u>Florida</u>			
Jackson Co.	1958	1	USNM
Tallahassee	1954	1	INHS
<u>Illinois</u>			
Mahomet	1937	1	INHS
Cairo	1937	1	INHS
<u>Massachusetts</u>			
West Chop	1893	1	ANSP
<u>New Hampshire</u>			
Franconia	-	1	AMNH
<u>New Jersey</u>			
Atlantic Co., Reega	1914	8	ANSP
Burlington	1920	1	ANSP
New Brunswick	1930	1	AMNH
<u>New York</u>			
Thompkins Co., Ithaca, 6 mi. Creek	-	1	ANSP
Long Island, Coram, Penniquid Barrens	1910	2	ANSP

Oecanthus pini (Beutenmuller) 1894New York

Promised Land	-	2	ANSP
Long Island, Yapbank	1911	1	ANSP
Yaphank	1916	1	AMNH
Ithaca	-	1	CU
Ithaca	1902	1	CU

North Carolina

Wake Co.	1963	1	USNM
Raleigh	-	2	ANSP
Southern Pines	1916	1	ANSP

Ohio

Carbondale	1932	1	ANSP
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Pennsylvania

Del. Co., Tinicum Id.	1905	1	INHS
Gladwynne	1969	2	LEM

Virginia

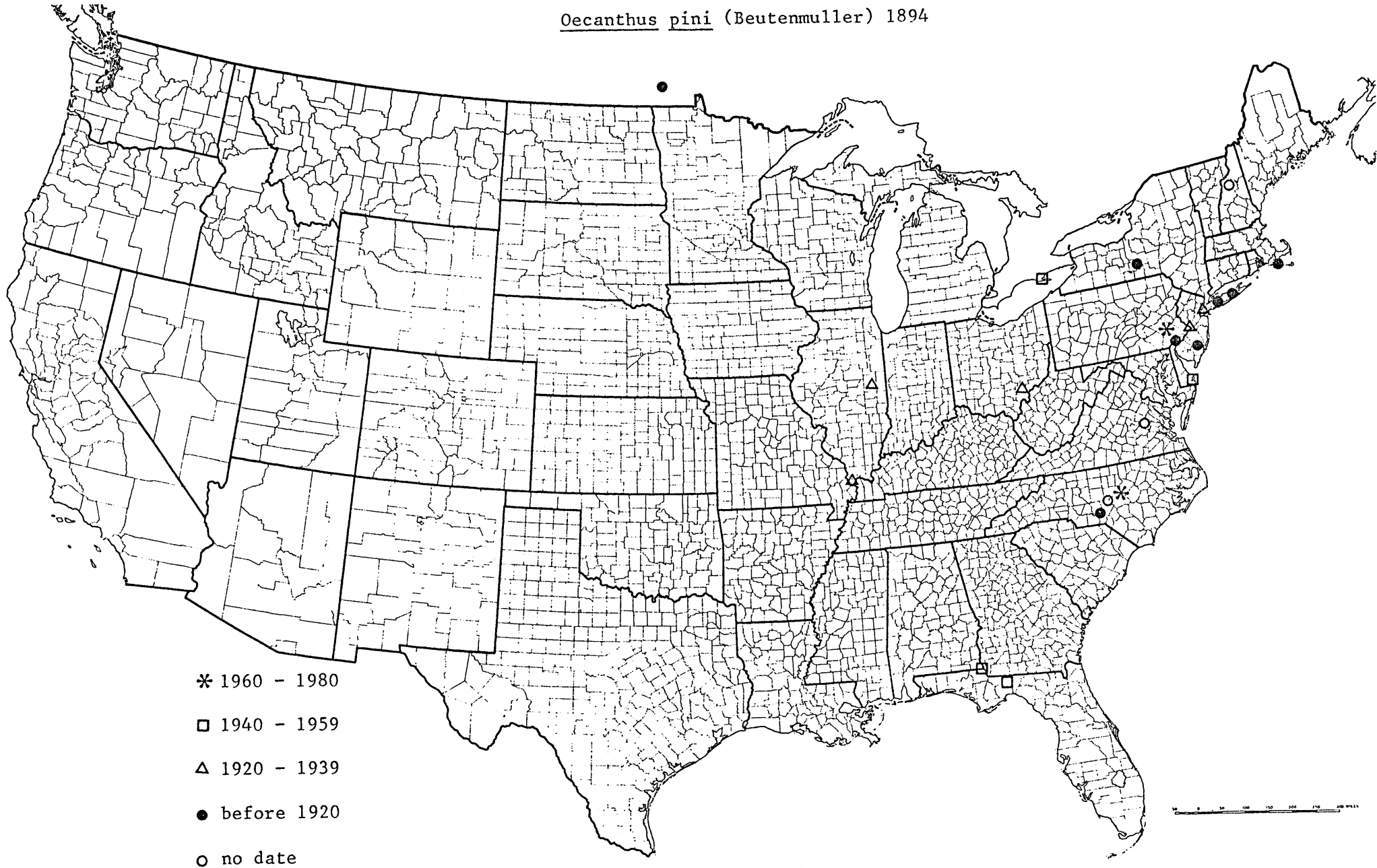
Richmond	-	1	AMNH
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CanadaManitoba

Aweme	1914	3	CNC
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Ontario

Turkey Point, southern Ontario	1941	12	LEM
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*Oecanthus pini* (Beutenmuller) 1894

Oliarces clara Banks 1908

(Neuroptera: Ithonidae)

Banks, N. 1908. A new genus and species of Neuroptera. Entomological News 19:203-4. (original description)

Adams, P. A. 1950. Notes on Oliarces clara Banks (Neuroptera; Ithonidae). Pan-Pacific Entomologist 26:137-8. (note on distribution)

Carpenter, F. M. 1951. The structure and relationships of Oliarces (Neuroptera). Psyche 58:32-41. (note on distribution)

Belkin, J. N. 1954. Additional records of Oliarces clara in California and Arizona (Neuroptera, Ithonidae). Bulletin of the Southern California Academy of Sciences 53:65-68. (notes on distribution)

Type-locality: Mecca, California

Oliarces clara Banks 1908

## LOCALITY DATA

Locality	Date	Number of Specimens	Depository
<u>California</u>			
Riverside Co., Palm Desert, Highlands	1964	3	LACM
Riverside Co., Thousand Palms Canyon	1952	1	LACM
Walters Station (holotype)	-	1	MCZ
Imperial Co., Black Mtn., 4.5 mi. S. Hwy. 78, Chocolate Mtns.	1979	3	CAS

Oliarces clara Banks 1908

