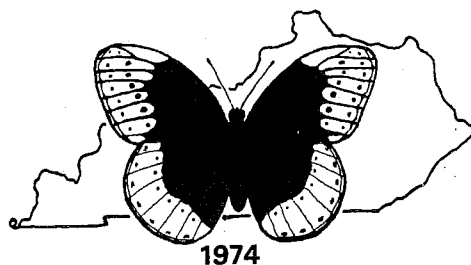


KENTUCKY LEPIDOPTERIST

The Society of Kentucky Lepidopterists



VOL. 15, NO. 3

M. L. McInnis, Editor

July, 1989

A VISIT TO KENTUCKY BY EDWARD DOUBLEDAY

John V. Calhoun

The English entomologist, Edward Doubleday (1810-1859), and a companion, Robert Foster, toured much of the eastern United States in 1837 and 1838 (Doubleday, 1838, Communications on the Natural History of North America, Entomological Magazine 5: 21-34, 199-206, 269-300, 402-407, 409-417). During their visit to North America, they collected insects at many locations, including Kentucky. Their research provided some of the earliest lepidoptera records from Kentucky and elsewhere. Specimens collected during their trip, some of which may be Kentucky material, still exist in the British Museum (Natural History).

In September, 1837, Doubleday disembarked the Ohio River boat "Burlington" at Cincinnati and explored the surrounding countryside. Across the Ohio River, he described what he saw as "the green wooded hills and beautiful pastures of Kentucky". Doubleday related his Kentucky visit as follows:

"My first excursion was to the shore of the Ohio. I crossed the ferry, and strolled along the shore to where Mr. Bullock once lived; then I turned off by a little brook into the woods. The trees were large: one hundred feet high, and eighteen feet in

circumference, was the size of the majority. There was no brush-wood; but in the open spaces there grew a great abundance of Veronica proaelta; I am not sure that is the right specific name: on its flowers were swarms of D. archippus [Danaus plexippus], and some few Cynthia huntera [Vanessa virginiensis] ...Almost all the insects I took at Cincinnati were captured in this one walk".

Since Doubleday was on foot, the area he visited is undoubtedly within Kenton or Campbell County, Kentucky.

Doubleday also visited Louisville where he noted that "many butterflies were also out". He was somewhat disappointed that he had arrived in this region so late in the year and remarked, "I left Trenton [New Jersey] towards the end of August, to proceed towards the west. In one respect I erred; the main body of butterflies had not appeared at Trenton, but when I reached a warmer latitude many species were over".

Doubleday's writings remind us that we are by no means the first to explore this region of the country. Although recent work has revealed much about the Lepidoptera of Kentucky, the first specimens were collected over 150 years ago.

ADDITIONS TO THE KENTUCKY FAUNAL LIST

C. V. Covell, Jr.

The Kentucky list of Lepidoptera now stands at 2,234 species. The following records have recently been added.

✓ Dyseriocrania auricyanea (Wlsm.)
ERIOCRANIIDAE 9852
4

Boone and Powell Counties, April 25-27, 1989, L. D. Gibson.

Caloptilia cornusella (Ely) (sp. near)
GRACILLARIIDAE 9356
600

Menifee Co., Red River Gorge, 750 ft. elev., May 17-18, 1986, J. S. Nordin, det. as "near C. curnusella" by Don R. Davis.

✓ Argyresthia alternatella (Kearfott)
ARGYRESTHIIDAE 8882
2435

Boone Co., Big Bone Lick, May 8, 1980, L. D. Gibson, det. P. A. Opler.

✓ Argyresthia oreasella (Clemens)
ARGYRESTHIIDAE 8893
2467

Menifee Co., Red River Gorge, 1200 ft. elev., May 15-16, 1985, J. S. Nordin, det. P. A. Opler. L. D. Gibson also captured this species in Boone Co., on July 10, 1988.

✓ Endothenia impudens (Walsm.)
TORTRICIDAE 6632
2747

Menifee Co., Red River Gorge, August 25, 1984, L. D. Gibson. This species has also been taken in Owsley Co. (July by Gibson) and Powell Co. (Sept. by J. S. Nordin).

✓ Olethreutes troglodana (McD.)
TORTRICIDAE 6703
2804

Owsley Co., 3 miles NE Booneville, May 29, 1982, L. D. Gibson.

✓ Olethreutes ferrolinaea (Wlk.)
TORTRICIDAE 6722
2838

Whitley Co., Goldbuy, June 6, 1981, C. V. Covell, Jr. Gibson has taken this species during May in Boone Co. and A. J. Brownell took it April-June at Bernheim Forest in Bullitt Co.

✓ Epinothia xandana (Kft.)
TORTRICIDAE 7120
3295

Boone Co., Big Bone Lick, March 29, 1989, L. D. Gibson.

✓ Epinothia nonana (Kft.)
TORTRICIDAE 7159
3335

Gallatin Co., Markland Dam, August 3, 1988, L. D. Gibson.

Semiothisa minorata (Pack.)
GEOMETRIDAE 4670
6340

Powell Co., Red River Gorge, May 21, 1988, C. V. Covell, Jr.

Orthofidonia tinctoria (Wlk.)
GEOMETRIDAE 4805
6428

Powell Co., Red River Gorge, April 28, 1989, Don J. Wright.

Symmerista canicosta (Franclemont)
NOTODONTIDAE 3859,2
7953

Oldham Co., Horner Wildlife Sanctuary, August 8, 1969, C. V. Covell, Jr., Det. Eric Metzler.

Symmerista leucitys (Franclemont)
NOTODONTIDAE 3859,1
7953

Jefferson Co., Valley Station, June 10, 1974, S. Scholz, Det. Eric Metzler.

Halysidota harrisii (Walsh)
ARCTIIDAE 985
8204

Jefferson Co., Anchorage, May 23, 1951,
B. L. Monroe, Det. Eric Metzler.

✓ Xyppa xylinoides (Gn.)
NOCTUIDAE 2607
9578

Powell Co., Red River Gorge, June 9,
1989, L. D. Gibson.

NOTE: Phoneta imbridana (Fern.) has
been removed from the Kentucky list.

**OHIO MOTH AND BUTTERFLY
CONSERVATION CONFERENCE**

David K. Parshall

The Ohio Moth and Butterfly Conservation Conference is scheduled for the weekend of August 19-20, 1989 in Lake County, Ohio at Lakeland Community College. Lakeland Community College is just east of Cleveland, Ohio on the shores of Lake Erie. The purposes of the conference are: 1) to educate local, state, federal and private land managers, public educators and the interested public on moths and butterflies; and 2) the use of proper management techniques to maximize native species diversity and how to manage habitat for moths and butterflies. In organizing the conference, it is believed that habitat management for moths and butterflies is generally overlooked by land managers due to a lack of awareness of these species, their identity, where they are, their habitat requirements and proper habitat management. Members of the Ohio Lepidopterists and recognized experts from out of state will be on the agenda.

Paul Opler and Ron Panzer, national leaders in Lepidoptera conservation, have agreed to participate with this all important conference to educate land managers on the need for butterfly and moth conservation efforts. Important agenda topics will be: Why Protect

Lepidoptera; Conservation of Wetland Lepidoptera; Preserve Design and Management; Management of Lepidoptera on Public Lands; Management of Old Fields; Butterfly Gardening; The Ohio Survey of Lepidoptera; and others. The conference is sponsored by a grant from the Ohio Department of Natural Resources Division of Wildlife Non-game Species Program to the Nature Conservancy. The Ohio Lepidopterists are cooperating with the planning and implementation of the conference.

Entomologists, Lepidopterists and Naturalists alike often participate in discussions raising concern about the continued loss of habitat, and we often wonder what managers of public land are doing to protect, preserve and encourage moth and butterfly habitat. This is an excellent opportunity for interested and concerned persons to get together with land managers to explain our mutual concerns on these important topics. Plan now to attend and represent our common interests.

To obtain detailed conference information, contact Larry Smith at the Ohio Field Office of the Nature Conservancy, 1504 W. 1st Ave., Columbus, Ohio 43212. (614) 486-6789.

JUNE FIELD TRIP REPORT (XERCES COUNT)

C. V. Covell, Jr.

[I included Charlie Covell's field notes as an excellent example of how we should all record our field experiences. - Editor]

June 17. Sunny and clear in the morning, clouding from noon until mostly cloudy by 3 PM. High, 77; low 51 (Louisville Standiford Airport official weather statistics). Slightly breezy through day. I began Xerces Soc. butterfly count on Old Zaring Road at Brownsboro where the gravel company access road crosses it, and ended in the back part of the Horner Wildlife Sanctuary, just over 2 miles total distance. Troy and Nathan Payne joined

me a little past 10:30 AM, but I began my survey at 9:50 and ended it at 3:50 PM. I spent periods of time at the back of the abandoned rock quarry, in the woods on right just past quarry dip in road, in fields on left (cut over one and overgrown field beyond, inside gate, around observatory, and along cut paths beyond abandoned farm buildings in Horner Reserve. The Paynes went to the lower pond, and collected at sites at the quarry and near the farm gate.

Flowers in bloom included ox-eye daisy, daisy fleabane, white and yellow sweet clover, red clover (a few plants seen), elderberry, Queen Anne's lace, honeysuckle, sorgum, wild hydrangea, dogbane, wild chickory, escaped crown vetch, and the milkweeds Asclepias tuberosa and A. syriaca, (both just coming into flower).

Butterflies recorded, with numbers counted by the Paynes and myself were as follows:

Species	Covell	Paynes
Epargyreus clarus	14	7
Achalarus lyciades	1	0
Thorybes bathyllus	3	0
Thorybes pylades	0	7
Staphylus hayhurstii	2	0
Polites peckius	0	2
P. themistocles	5	3
Wallengrenia egeremet	1	0
Atrytone logan	0	1
Poanes zabulon	1	0
Euphyes vestris metacomet	1	0
Battus philenor	1	0
Eurytides marcellus	5	2
P. polyxenes asterius	2	0
Papilio glaucus	5	1
P. troilus	5	3
Pieris rapae	22	15
Colias philodice	1	5
C. eurytheme	5	4
Harkenclenus titus mopsus	1	0
Satyrium edwardsii	36	1
Everes comyntas	24	38
Celastrina ladon	5	0
Euptoieta claudia	1	0
Speyeria cybele	49	48
Charidryas nycteis	3	3

Species	Covell	Paynes
Phyciodes tharos	4	7
Polygonia comma	2	0
P. interrogationis	0	4
Nymphalis antiopa	4	7
Vanessa atalanta	4	5
Asterocampa celtis	10	7
A. clyton	1	0
Megisto cymela	33	23
34 species	(Total) 251	193

Moths taken or identified: Eugonobapta nivosaria, Eusarca confusaria and Scopula limboundata (Geometridae); Acontia aprica (Noctuidae); Cisseys fulvicollis and Cycnia tenera (Arctiidae); Hemaris diffinis (Sphingidae); bags of Thyridopteryx ephemeraeformis on various trees. No larvae.

Nectaring notes: Wallengrenia egeremet on Queen Anne's lace; S. cybele on A. tuberosa and A. syriaca; S. edwardsii on ox-eye daisy, A. tuberosa and Apocynum cannabinum; C. ladon (3 individuals) on Apocynum cannabinum; P. glaucus male on crown vetch. Generally lower numbers than expected, possibly because of rainy and cloudy weather the previous five days.

NEWS AND NOTES FROM THE SECRETARY-TREASURER

C. V. Covell, Jr.

We are saddened to hear that Brett Barrett, 29, was killed April 25, 1989, near his home in Coral Gables, FL, in an automobile accident. Brett, formerly of Alvaton, KY, had been a member of our Society for many years. We extend our heartfelt sympathy to his parents.

I spent a very enjoyable ten days of collecting with members Tom Emmel, Larry Hummer, Lee Guidry, and 18 others in the Yungas region of Bolivia, May 20-29. We did a little high-altitude collecting, but concentrated mostly on areas near Puente Villa and Chulumani

in the range of 4,000-5,000 ft. elevation. Hairstreaks were abundant, but most were a few common species. Riodinidae were in fairly good numbers, and there were moderate numbers of Pieridae, Nymphalidae, Acreidae, Satyridae, and Hesperiiidae. Papilionidae were scarce. Moth collecting at light was fair, mostly medium-sized and small Geometridae, Arctiidae, Noctuidae, and Pyralidae. Weather was good, but the moon was full during our stay. We also enjoyed getting to know our local guide, Eduardo Forno, and saw his father's fine collection in La Paz.

The treasury of the Society contains \$553.26. Many long-time members have still not paid 1989 dues. Please look below your address on this newsletter, and remit your \$5 to me if you are not indicated as "pd89" or beyond. We need your support for newsletter costs and meeting speaker. The balance above includes \$100 graciously donated by one of our members to the "identification fund" I wrote of last issue. We are most grateful to Jim Merritt for this contribution, and have already sent more Tortricidae to Bill Miller for identification via Don Wright.

I spent a very enjoyable two nights with Ted Enterline outside Athens, OH, working on the Ohio Geometridae project, and collecting data from his collection and that of the Ohio University. I will be in NC, then Maine, from June 22 to July 11, giving a moth workshop to members John Peacock, Ken Helfgott, and a few others during July 2-8. I regret missing the Butterfly Week at the Nature Place in Colorado this year, but hope some of you have joined Tom Emmel and Boyce Drummond in participating in that most enjoyable learning and collecting opportunity.

I plan to attend the Annual Meeting of the Lepidopterists' Society in Albuquerque, NM, July 27-30. Hope some of you will come. Don't forget to bring a door prize donation if you are coming!

ANNUAL MEETING

The 16th ANNUAL MEETING will be held in Louisville, KY, on Friday and Saturday, Nov. 10-11, 1989. We will have our traditional PARTY at the Covells', 2333 Brighton Dr., from 8-11 PM on Friday, and open collection Saturday morning. The business meeting will be at 1 PM, followed by a featured speaker yet to be chosen. Informal presentations by members will follow, with door prize drawings ending the session. Those who wish will dine together at Masterson's restaurant. More details will appear in the next issue. Covell's phone numbers are: (502) 588-6771 (work) or (502) 456-6122 (home). Call for information as meeting time approaches. Plan now to attend!

* * * * *

We have invited Dr. Don Harvey to speak at the annual meeting. Dr. Harvey is a renowned specialist on tropical metalmarks (Riodinidae). He is currently working on the higher order classification of this family at the National Museum of Natural History. We hope that Don will be able to join us in spite of his many commitments.

* * * * *

NEW MEMBERS

Annette Alford
117 E. Ormsby Av
Louisville, KY 40203

Hugh Elkin
117 E. Ormsby Av
Louisville, KY 40203

Horatio T. Enterline
13149 McDougal Rd
Athens, OH 45701

Don Herrington
502 Hyde Park
Richardson, TX 75080

Larry Hummer
1622 Ravine Rd
Vista, CA 92083

Robert C. Mower
378 N. 650 E.
Orem, UT 84057

Wally Roberts
3792 Illinois Av
Louisville, KY 40213

NEW ADDRESSES

Hoe H. Chuah
13102 Fallsview Ln #4902
Houston, TX 77077

Kenneth L. Helfgott
P.O. Box 420
Smithtown, NY 11777

Dave Iftner
8 Alpine Trail
Sparta, NJ 07871

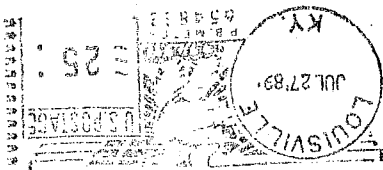
Pete Knudsen
Selva Verde Lodge
Chilamate Sarapiquí
Costa Rica, or:
P.O. Box 2441
Paleigh, NC 27602

[Pete and Betty Ann are establishing a butterfly farm to provide livestock worldwide. - Editor]

Troy Payne
507 Briery Hill Ct
Louisville, KY 40299

Loran D. Gibson
8496 Pheasant Drive
Florence, KY 41042
pd90

F I R S T C L A S S



THE KENTUCKY LEPIDOPTERIST
M. L. McInnis, Editor
22 Benchmark
New Albany, Indiana 47150