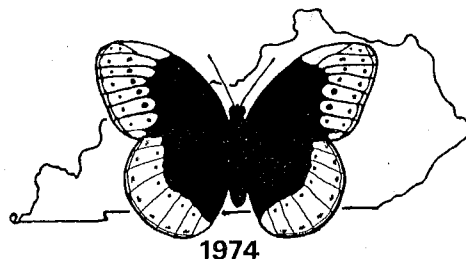


# KENTUCKY LEPIDOPTERIST

NEWSLETTER OF  
*The Society of*  
*Kentucky Lepidopterists*



VOL. 9, NO. 1

C. V. COVELL JR., ED.  
R. A. HENDERSON, ASSOC. ED.

FEBRUARY, 1983

## TIME TO PREPARE FOR SPRING FIELD TRIP

Warm spells are beginning to creep into the weather picture as of this writing, and David Flaim, graduate student here at the University of Louisville, reported a Mourning Cloak on campus the other day. Platyphena scabra, Phigalia titea, and Paleacrita vernata have been taken on buildings here, where they come to lights at night. Some of you have been getting after those winter moths Dave Baggett mentioned in his "Seasonal Reflections" article in the Jan. issue of "Southern Lepidopterists' News." Others of us, including your editor, have been recalling exciting moments in the field by spreading some of the backlog of papered material from previous seasons, such as the Morphos and other beauties from last year's trip to Peru (for a super writeup of that trip, see Roy Rings' article in the "Ohio Lepidopterist," (Vol. 5, no. 1, just out).

This spring we plan, as decided at the Annual Meeting, to descend upon Blaine and Suanne Early once again, down in Williamsburg, Ky., and hope for better weather than we experienced last year. The trip will be coordinated by Loran Gibson (phone AC 606: 261-4515), who will give details. We will plan to meet Friday evening, April 22 at a place to be announced (possibly Blaine's father's farm at Goldbug) do do some blacklighting. Saturday will be spent collecting the back roads of McCreary County as last year, and possibly some new spots. We will plan Sunday as we go along. If you are interested in joining us, be sure to contact Loran for details. Butterflies we expect to find include Pieris virginiensis, Anthocharis midea, Celastrina ebenina, Mitoura gryneus, Incisalia augustinus & niphon, Glaucopsyche lygdamus, Eurytides marcellus, Anaea andria, Hesperia metea, and Amblyscirtes hegn.

## THIRTY GATHER FOR NINTH ANNUAL MEETING

The 9th annual meeting of the Society was held Nov. 12-13, 1982, in Louisville, beginning with the traditional party at the Covells', and continuing on Saturday with informal session during the later morning, followed by a business meeting at 1:00, then talks until about 5:30. Some, as is our practice, dined together at Masterson's Restaurant before dispersing to their homes. Present were: Blaine & Suanne Early, Loran & Pat Gibson, Mike & Debbie McInnis, Jim & Mary Lou Merritt, Reed Watkins, Leland Martin, Christa Anderson, Stan Nicolay, Andy Anderson & Arnette Lee, Logan Mahaffey, Lercy Koehn, Richard Cassell, Richard Fellows, John Nordin, Rusty Stallard, Yin-rei Hicks, Denny Currutt, Richard Henderson, George Balogh, John Calhoun & Julee Cornett, Sharon Collins, Roland Girardet, Eric Metzler, and Burt Monroe. Our very special guest was Dr. J. F. Gates Clarke, Senior Scientist and former Entomology Dept. Chairman at the Smithsonian Institution in Washington, D.C. He gave the featured talk, well illustrated with slides on his field work in areas of the Pacific island world, and introduced us to the interesting taxonomic problems in the Lepidoptera of those areas. A great deal of further taxonomic work on moths remains to be done in the fauna of the Central and South Pacific; but Dr. Clarke has put quite a dent in it. We enjoyed his presentation very much.

Other presentations were given by Yin-rei Hicks (about her butterfly artwork), George Balogh (slides of 1982 Lepid. Soc. meeting in Wyoming; and notes on Proserpinus gaurae & Juanita and Schinia gaurae in Missouri); Eric Metzler on his well-laid plans for the 1983 Annual Meeting of the Lepidopterists' Soc. in Columbus, Ohio, July 7-10; John Cal-  
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(1982 Annual Meeting, cont.)

houn (a new type of relaxing box for quick and effective relaxing of specimens); and Jim Merritt, Blaine Early, and Charlie Covell (slides and tales from the 1982 trip to Peru and Ecuador). Covell also gave a series of slides on his entomology class trip to southern Florida, made in May, 1982.

At the annual business meeting Mike McInnis was elected President for 1983. Other officers were re-elected (Early, Secretary/Treasurer; Covell Editor; and Gibson Field Trip Coordinator). A discussion of 1983 field trip sites resulted in Whitley/McCreary counties being chosen for spring, and Henderson Sloughs slated for a return visit in early Sept. Mike McInnis suggested a "Trip Clearing House" concept for the newsletter, whereby anyone wishing to organize a trip could state the particulars, and those who want to attend could contact the organizer (this will be done if anyone wishes to send in such invitations - ED.). Leroy Koehn proposed a field trip to the Michigan Upper Peninsula for the coming summer (those who wish to go with him should contact him). Covell spoke about the state of the Kentucky Lepidoptera Survey, and reported on the grant of \$100 given last year. Another \$100 was voted for the survey on a motion by Reed Watkins, seconded by Stan Nicolay. The state Lepidoptera count was 2,010 species according to Covell.

The last item in the formal part of the meeting was distribution of door prizes. A number were donated by most of the group, including a butterfly print from Yin-rei Hicks. She also presented one of her fine prints to Dr. Clarke.

The meeting was adjourned at 5:10 P.M., and was followed by informal discussions, examination of specimens, and dinner.

I wish to thank my wife Betty for her help in preparing the Friday evening party; Blaine and Suanne Early for getting the delicious pastry at Heitzman's and doing other needed jobs; Jim Merritt for donation of refreshments; Christa Anderson for snacks for our party; and everyone who gave door prizes for their contributions. Most of all, many thanks for coming and being a part of this annual event. I hope you can return next November 4-5 for our TENTH ANNIVERSARY CELEBRATION! -CVC



KENTUCKY LEPIDOPTERA SURVEY PROGRESS

Progress on the Kentucky survey of butterflies and moths moves ahead in fits and starts. Not much was accomplished during fall, until several of you brought material to me for determination at the U.S. National Museum during my annual pilgrimage there over Christmas holidays. Also, some material was sent to specialists for determination, notably Tortricidae to Dr. William E. Miller and his graduate student, Michael Pogue, in St. Paul, Minn. We have had some feedback from them, but are expecting some further additions to the state list when they can find time to work more on our material. Loran Gibson and Richard Henderson have been our main sources of microlepidoptera for identification purposes in recent years. Recently Dr. Tom Eichlin (Editor of JOURNAL OF THE LEPIDOPTERISTS' SOC.) identified several clearwing moths (Sesiidae) for us, resulting in the addition of *Synanthedon arkansasensis* Duckworth & Eichlin to our list. This, plus others recently identified, brings to 2,062 species the number of Lepidoptera known from Kentucky. In Washington, with the help of Drs. Don Davis, Doug Ferguson, Bob Poole, J. F. G. Clarke, and Ron Hodges, I was able to bring back 43 additions, most in the Pyralidae and Tortricidae. This was, then, one of the better "starts." A breakdown of numbers of species on our state list, by family, is as follows for the 62 families represented:

ACROLEPIIDAE	1	GEOMETRIDAE	205
APATELODIDAE	2	GLYPHIPTERIGIDAE	1
APATURIDAE	3	GRACILLARIIDAE	87
ARCTIIDAE	55	HELIODINIDAE	3
AGONEXENIDAE	1	HELIOZELIDAE	8
ARGYRESTHIIDAE	6	HESPERIIDAE	49
BLASTOBASIDAE	6	INCURVARIIDAE	6
CHOREUTIDAE	3	LASIOCAMPIDAE	8
COCHYLIDAE	21	LIBYTHEIDAE	1
COLEOPHORIDAE	18	LIMACODIDAE	17
COSMOPTERYGIDAE	21	LYCAENIDAE	25
COSSIDAE	5	LYMANTRIIDAE	10
DANAIDAE	2	LYONETIIDAE	21
DREPANIDAE	3	MEGALOPYGIDAE	2
DOUGLASIIDAE	1	MICROPTERIGIDAE	1
ELACHISTIDAE	6	MIMALLONIIDAE	2
EPERMENIIDAE	3	MOMPHIDAE	6
EPIPLEMIDAE	2	NEPTICULIDAE	27
EPIPYROPIDAE	1	NOCTUIDAE	548
GELECHIIDAE	123	NOTODONTIDAE	41

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(KENTUCKY SURVEY REPORT, cont.)

NYPHALIDAE	28	SATYRIDAE	9
OECOPHORIDAE	40	SCYTHRIDAE	3
OPOSTEGIDAE	2	SESIIDAE	18
PAPILIONIDAE	8	SPHINGIDAE	41
PIERIDAE	15	THYATIRIDAE	4
PLUTELLIDAE	2	THYRIDIDAE	3
PSYCHIDAE	3	TINEIDAE	50
PTEROPHORIDAE	19	TISCHERIIDAE	19
PYRALIDAE	209	TORTRICIDAE	214
RIODINIDAE	2	YPONOMEUTIDAE	6
SATURNIIDAE	17	ZYGAENIDAE	3

The manuscript of the annotated checklist has been put on an IBM Displaywriter diskette by Mrs. Rozenna Carr, and new information has been added as more data have been recorded from identified specimens and other sources. We hope that, when the new Checklist of Lepidoptera of America N. of Mexico arrives (due any time now), we can check the names and numbers and then send the manuscript to the Ky. Nature Preserves Comm. for publication, as we have arranged to do. Introductory material and bibliography also need to be written. We still have miscellaneous material to identify and add to collection and records, and this is being worked up as time is available. There is still room for more records this season, and you are all urged to send county records of moths and butterflies to me for inclusion.

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 MANY THANKS TO MANY OF YOU FOR RECENT CONTRIBUTIONS OF SPECIMENS TO THE UNIVERSITY OF LOUISVILLE INSECT COLLECTION: Bob Aronheim, Loran Gibson, Richard Henderson, George Balogh, Leroy Koehn, John Nordin, Mike McInnis, and (through Southern Leps door prize) Dave Baggett  
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Mike McInnis and his wife Debbie are proud parents of a baby girl, born Christmas eve. Congratulations! Mike filed this report of the June, 1982, Ohio Lepidopterists field trip to Portage Co., Ohio, but it has had to be held until now because of space shortage:

Unfortunately the weather June 5 and 6 was deplorable, with rain and heavy clouds on both days. Despite this handicap approximately one dozen avid collectors gathered to search for E. phaeton, C. harrissii, P. mystic, and H. sassacus. During the Saturday downpour the group had an opportunity to visit several acid "kettle" bogs in Portage Co. at Kent, Triangle Lake, and Eagle Creek, where we observed tamarack, blueberry, cranberry, and a few pitcher plants in bloom.

The rain stopped around noon Sunday, and we set out for the Mantua marshes, intent upon flushing butterflies from the tall grass. Despite the overcast conditions all the species mentioned above were taken in good numbers. Other attractions included observations of N. antiopa larvae on willow, and E. phaeton larvae on turtlehead.

It was a memorable field trip in many respects. Further, I believe that the faunal knowledge of several states will be enhanced through the interaction of members of regional groups such as the Ky., Ohio, and Southern lepidopterists.

A final note of appreciation is directed to Denny and Char Currutt, who hosted the meeting. Their hospitality and patience rivaled any found in Kentucky.

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 Leroy Koehn reported on his November, 1982, trip to southern Florida, and high points are extracted here:

Tues., Nov. 16: Vince Lucas and I were busy collecting A. texana seminole, C. gemma, and a wide variety of common material at Newnan's Lake near Gainesville. Tues. night was spent with Dave Baggett in Tampa. At Facahatchee Wildlife Pres., along Janes Scenic Drive, much of the area was submerged and butterfly numbers were very low. Teeming hordes of walking catfish seethed in one of the canals. At Copeland, good catches of Calephelis virginensis, Neonympha areolatus, and Copaodes minima were made. Sphingids P. carteri, P. strigilis, and P. caicus were taken at Collier Seminole State Park Wed. night. Thurs. found us at Castellew Hammock in Dade Co. near Homestead. Among the better catches were E. monima, E. angelia, P. m-album, M. petreus, A. drusilla, S. stelenes biplagiata, and E. dina helios. That night at the Fla. Inst. of Food & Agr. Sciences Sta. in Homestead, we took E. ficus, X. tersa, and E. alope (Sphingidae) over flowers. Fri. Nov. 19 at Camp Owaissa Bauer the Malachites (S. stelenes biplagiata) were having a population explosion and were everywhere and absolutely beautiful. Other choice species there were E. dina helios, A. drusilla, M. petreus, P. cresphontes, P. baracoa, C. minima, U. dorantes, and E. दौरa f. palmira.

That afternoon, back at the IFAS Station, we had the best collecting of the trip. T. azia, C. simaethis, E. angelia, P. m-album, H. ceraunus, P. baracoa, C. minima, C. tripunctus, P. vibex, U. dorantes, A. capucinus,  
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A. floridalis, S. stelenes, E. monima, P. philea, E. दौरा f. palmyra, and M. petreus were among the choice species. A. jatrophae, H. sosybius, L. cassius, L. accius, and P. ocola were exceptionally abundant.

Sat., Nov. 20 found us visiting several spots on Key Largo. C. simaethis, T. azia, S. martialis, S. columella, H. thomasi bethunebakeri, H. ceraunus, and P. pigmalion okeechobee were among the best species taken. Dusk collecting over flowers at Garden Cove was not good this time (fantastic in 1981), but we did get E. alope, M. pseudothyreus, E. labruscae, X. pluto and X. tersa. Sun. and Mon. were spent collecting around Homestead and outside Fairchild Gardens near Miami, where we saw Battus polydamas lucayus ovipositing on Aristolochia spp. in the garden, growing on trellises. Tues. we headed down the Keys. On Plantation Key near the high school we took E. zestos, H. ceraunus, P. frisia, T. azia, and S. columella. Wed. Nov. 24 was spent on Big Pine Key, with only fair results: A. floridalis, S. acis bartrami, S. columella, S. martialis, B. pseudofea, H. ceraunus, E. brunnea floridensis, A. drusilla, P. panoquinoides, P. pigmalion okeechobee, P. evarete genoveva ("Tropical buckeye"), P. philea, P. frisia, and day-flying Sphingid, Aellopos tantalus. Thanksgiving day found us on Stock Island at the overgrown botanical garden, where collecting was fair. E. angelia, S. columella, A. drusilla, P. leo, E. zestos, P. pigmalion, M. petreus, P. philea, A. capucinus, C. tripunctus, & U. dorantes were taken; but no C. maesites were to be found. We returned to Homestead and met Denny Currutt and Dave Baggett Sat. (our trip about over; theirs just beginning). One more good catch was at Hugh Taylor Birch Park, Ft. Lauderdale, where we took Aphrissa statira, on the way home to a snowy Cleveland.

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NEW MEMBERS

Richard A. ("Andy") Anderson, PSC Box 7151, Pope AFB, NC 28308. Andy is an old friend, and notable contributor to knowledge of Va. and Fla. butterflies. Coll. Ex.; Hesperioidea and Theclinae are his specialties.  
Sharon J. Collins, Rt. 1, 3000 Maple Leaf Drive, La Grange, KY 40031. Sharon has had interest in butterflies for many years.

Allen N. Hunt, 1138 Thomas St., Radcliff, KY 40160.



Maria Lockett, 3674 Lentz Ave., Louisville, KY 40215. Maria loves collecting, and wants to learn more about butterflies.  
Floyd and June Preston, 832 Sunset Drive, Lawrence, Kansas 66044. Floyd and June collect about everywhere in their camper. June is the new Editor of NEWS of the Lepid Soc.

Susannah E. Riley, 212 Agr. Exp. Station Bldg., U. of Ky., Lexington, KY 40546. She is a KY. 4-H program specialist who is "interested in finding out more about entomology and about the hobby in general."

Dr. Bob Robbins, Dept. of Entomology, U.S. National Museum of Natural History, Washington, DC 20560. Bob is a specialist in higher classification of the Theclinae, and the USNM's new butterfly man. Congratulations, Bob, and good luck!

A HEARTY WELCOME TO ALL OF YOU!

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NEW ADDRESSES

Leslie A. Ferge, 7119 Hubbard Ave., Middleton, WI 53562  
Carl H. Kaster, Siena Heights College 429, 1247 E. Siena Heights Dr., Adrian, MI 49221  
Leroy Koehn, 12962 Clifton Blvd., Apt. #7, Lakewood, OHIO 44107  
Dr. Paul A. Opler, Div. of Biological Services, U.S. Fish & Wildlife Service, Washington, DC 20240

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NEWS & NOTES

William H. Howe has deposited all artwork and manuscripts pertaining to The Butterflies of North America at the University of Louisville. We are grateful to have them, and hope some of you will be able to enjoy viewing them.

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Dr. Deane Bowers, Curator of Lepidoptera at the Museum of Comparative Zoology, Harvard Univ., Cambridge, MA 02138, has a one-year opening for a lepidopterist to curate the collection. Write her for details.

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Dr. Tom Emmel is, this week, in Colombia, SA, investigating a trip offering to that country or to Peru for the period June 17-26. He should announce the trip very soon. (2-25-83).

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Larry Gall (Dept. of Biology, Yale Univ., New Haven, CT 06511) is soliciting Catocala larvae and information for systematic research. He welcomes donations, exchanges, & loans.

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Seminar at U. of Louisville Wed. April 6 by Dr. George Godfrey, Ill. Nat. History Survey: BIOSYSTEMATICS OF NOCTUID CATERPILLARS. NOON.