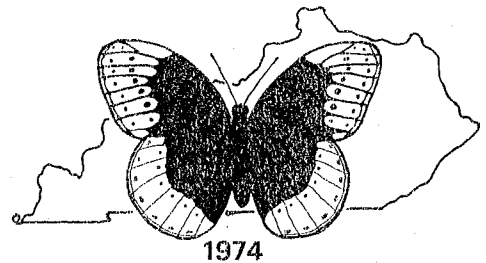


# KENTUCKY LEPIDOPTERIST

NEWSLETTER OF

*The Society of  
Kentucky Lepidopterists*



VOL. 7, NO. 4

CHARLES V. COVELL JR, EDITOR  
RICHARD A. HENDERSON, ASSOC. EDITOR

OCTOBER, 1981

## INFORMATION ABOUT EIGHTH ANNUAL MEETING, NOVEMBER 6-7, 1981

1-2098  
THE EIGHTH ANNUAL MEETING OF THE SOCIETY OF KENTUCKY LEPIDOPTERISTS WILL CONVENE AT 7:00 P.M. ON FRIDAY 6 NOV. AT THE HOME OF DR. & MRS. JAMES R. MERRITT AT 1729 SOUTH THIRD STREET, LOUISVILLE, KY., NEAR THE UNIVERSITY OF LOUISVILLE CAMPUS. A CHILI SUPPER WILL BE SERVED, ALONG WITH WARMING LIBATIONS. FELLOWSHIP AND A SLIDE SHOWING (PROBABLY BY JOHN MACGREGOR) WILL BE THE MAIN PROGRAM.

THE COLLECTION AREA ON THE 3RD FLOOR OF THE LIFE SCIENCES BLDG. AT THE UNIVERSITY OF LOUISVILLE WILL BE OPEN AT 10 ON SAT. MORNING, NOV. 7. THIS WILL BE AN OPPORTUNITY TO EXAMINE MOTHS AND BUTTERFLIES OF INTEREST, AND PERHAPS GET NAMES ON SOME SPECIMENS YOU HAVE WANTED IDENTIFIED. COFFEE AND THOSE WONDERFUL BAKERY DOUGHNUTS WILL BE AVAILABLE. AT 1:00 WE WILL HAVE OUR ANNUAL BUSINESS MEETING, FOR ELECTION OF OFFICERS AND DECISIONS REGARDING FIELD TRIPS FOR 1982 AND OTHER BUSINESS. THEN COMES OUR PROGRAM SESSION, WHERE EACH OF YOU MAY GIVE A PROGRAM OR SHORT "SHOW AND TELL" OF SOME SPECIMENS OR OTHER ITEM OF INTEREST. SLIDES ARE MOST WELCOME. PLEASE INFORM ME IF YOU WISH TO BE PUT ON THE PROGRAM, SO I CAN ARRANGE A SCHEDULE.

OUR FEATURED SPEAKER THIS YEAR WILL BE DR. THOMAS C. EMMEL, CHAIRMAN OF THE ZOOLOGY DEPT., UNIV. OF FLORIDA. (TO PG. 2)

## FALL FIELD TRIP TO PURCHASE AREA OF KENTUCKY AGAIN A SUCCESS

THE FALL MEETING WAS HELD SEPT. 5-7 1981, BEGINNING WITH ASSEMBLY OF THE GROUP AT BILL BLACK'S FARM ON CLINTON RD., PADUCAH. ATTENDING WERE RICHARD HENDERSON AND FAMILY, LORAN GIBSON, JIM MERRITT, CHARLIE COVELL AND SON ROBERT, JOHN HYATT AND CHARLIE WATSON FROM TENNESSEE, MO NIELSEN FROM MICHIGAN, MIKE MCINNIS, AND UNIV. OF LOUISVILLE BIOLOGY STUDENTS LINDSEY MEREAN AND TIM MORESCHI. THE FIRST ORDER OF BUSINESS FOR MOST OF US WAS PITCHING TENTS AND SETTING UP CAMP IN BILL'S BACK PASTURE. THE HENDERSON VW CAMPER WAS PACKED WITH RICHARD'S 5 CHILDREN, AND THE BLACK AND COVELL BOYS SHARED A PUPTENT.

THE WEATHER WAS PERFECT ON SATURDAY, SO WE WENT FIRST TO THE HOLIDAY INN IN PADUCAH FOR A HEARTY BREAKFAST. THEN WE WERE OFF TO THE BELL FARM IN GRAVES CO., OFF RT. 151 NEAR KALER. HERE WE RECORDED 46 SPECIES AND POSSIBLY ANOTHER (PANOQUINA OCOLA SIGHTED). BELOW IS A LIST OF SPECIES COLLECTED OR DEFINITELY SIGHTED:

- \* *Amblyscirtes aesculapius*
  - Euphyes dion*
  - E. vestris metacomet*
  - Poanes zabulon*
  - \* *Atrytone delaware*
  - Atalopedes campestris*
  - Polites themistocles*
  - Hylephila phyleus*
  - Ancyloxypha numitor*
  - \* *Nastra therminier*
- (to pg. 2)

\* NEW COUNTY RECORD

(ANNUAL MEETING INFORMATION)

WHO HAS LED THE 1980 FIELD TRIP TO EC-UADOR AND THE 1981 FIELD TRIP TO THE DOMINICAN REPUBLIC, WIDELY TRAVELED AND A PROLIFIC AUTHOR OF BOOKS AND ARTICLES ON BUTTERFLIES AND ECOLOGY, TOM WILL TALK TO US ON *PURSUIT OF BUTTERFLIES AROUND THE WORLD*. HE WILL ALSO GIVE A SEMINAR ON FRIDAY IN THE BIOLOGY SEMINAR PROGRAM, ENTITLED *POPULATION STUDIES AND EVOLUTIONARY CHANGES IN TROPICAL BUTTERFLIES*. THIS SEMINAR WILL BE AT NOON IN A ROOM TO BE DECIDED LATER, SO CHECK WITH ME IF YOU CAN ATTEND.

WE ARE EXPECTING A SUPER TURNOUT FOR THIS MEETING. STAN NICOLAY IS HOPING TO COME AGAIN AND THOSE OF YOU WHO HAVE BEEN ON THE ECUADOR AND DOMINICAN REPUBLIC TRIPS WILL NOT WANT TO MISS THIS GET-TOGETHER. PLEASE BRING ANY SPECIMENS FROM THESE AREAS TO EXHIBIT AND PERHAPS YOU CAN GET SOME THINGS IDENTIFIED.

WE WILL ASK ALL ATTENDING TO KICK IN \$3 TO HELP DEFRAY EXPENSES THIS YEAR. WE HAVE NEVER CHARGED A "REGISTRATION FEE," AND WILL NOT GET PUSHY ABOUT IT. THE MAIN THING IS TO HAVE YOUR PARTICIPATION.

ATTENDANCE AT OUR PREVIOUS 7 ANNUAL MEETINGS HAS AVERAGED ABOUT 30 MEMBERS PLUS THEIR FAMILIES AND GUESTS.

AFTER OUR SESSION OF TALKS WE WILL GET TOGETHER FOR DUTCH TREAT DINNER AT MASTERSON'S RESTAURANT NEAR THE CAMPUS. THAT WILL BE THE FINAL PART OF THE MEETING. WE USUALLY GET 1 OR 2 BIG TABLES FOR THIS AND ENJOY THE FELLOWSHIP WHILE DINING.

IF YOU PLAN TO COME, HERE ARE SOME NOTES:

1. My phone: AC 502-588-5942 (office)  
456-6122 (home)
2. Jim Merritt's: 588-4321 (office)  
778-9555 (home)
3. Motels: LaQuinta (near U. of Louisville)  
317 Warnock St.; 637-9716  
Continental Inn, also near campus,  
1620 Arthur St., 636-3781.  
Motel 6, 3304 Bardstown Rd. near  
the Covells', 458-3201 (cheapest)
4. Meeting place: 321 Life Sciences Bldg.  
at Univ. of Louisville. Parking any-  
where on Sat. without problem. Direc-  
tions sent by me upon request.

PLEASE LET ME KNOW IF YOU PLAN TO BE AT THE MERRITTS PARTY BY NOV. 1. C. V. Covell Jr.

(FALL FIELD MEETING)

<i>Poanes yehl</i>	<i>Celastrina argiolus</i>
<i>Pyrgus communis</i>	<i>Libythea bachmani</i>
<i>Erynnis horatius</i>	<i>Asterocampa celtis</i>
<i>Epargyreus clarus</i>	<i>Limenitis a. astyana</i>
<i>Battus philenor</i>	<i>L. archippus</i>
<i>Papilio glaucus</i>	<i>Vanessa atalanta</i>
<i>P. troilus</i>	<i>V. cardui</i>
<i>Pieris rapae</i>	<i>V. virginicensis</i>
<i>Colias eurytheme</i>	<i>Junonia coenia</i>
<i>Phoebis sennae eubule</i>	<i>Polygonia comma</i>
<i>Eurema lisa</i>	<i>P. interrogationis</i>
<i>E. nicippe</i>	<i>Phyciodes tharos</i>
* <i>Nathalis iole</i>	<i>Speyeria cybele</i>
* <i>Calycopis cecrops</i>	<i>Danaus plexippus</i>
<i>Strymon melinus</i>	<i>Lethe anthedon</i>
* <i>Fenisea tarquinius</i>	<i>L. portlandia miss-</i>
<i>Hyllolycaena hyllus</i>	<i>L. appalachia</i> <sup>ark.</sup>
<i>Everes comyntas</i>	* <i>Cyllopsis gemma</i>

All this came in about 2 hours of collecting. Then we went to our beloved spot in Fulton Co where Rt. 94 crosses Bayou de Chien, 2.5 mile east of Cayce. We spent the rest of the day here, plus most of Sunday. Species recorded here on both days are listed below, and number 49 species. The total in all places for the weekend was 57 species of butterflies!

<i>P. ocola</i>	* <i>N. iole</i>
<i>E. dion</i>	<i>E. lisa</i>
* <i>E. dukesi</i>	<i>E. nicippe</i>
<i>E. vestris metacomet</i>	* <i>C. cecrops</i>
<i>P. zabulon</i>	* <i>P. m-album</i>
<i>P. yehl</i>	<i>S. melinus</i>
<i>A. campestris</i>	<i>H. hyllus</i>
<i>P. themistocles</i>	<i>E. comyntas</i>
<i>H. phyleus</i>	<i>C. argiolus</i>
<i>A. numitor</i>	<i>L. bachmanii</i>
* <i>L. accius</i>	<i>A. celtis</i>
<i>N. lherminier</i>	<i>A. clyton</i>
** <i>Lerodea eufala</i>	<i>L. a. astyanax</i>
<i>P. communis</i>	<i>L. archippus</i>
<i>E. horatius</i>	<i>V. atalanta</i>
<i>Staphylus mazans</i>	<i>V. cardui</i>
<i>E. clarus</i>	<i>V. virginicensis</i>
<i>B. philenor</i>	<i>P. interrogationis</i>
<i>P. glaucus</i>	<i>C. nycteis</i>
<i>P. troilus</i>	<i>P. tharos</i>
<i>G. marcellus</i>	<i>S. cybele</i>
<i>P. protodice</i>	<i>D. plexippus</i>
<i>P. rapae</i>	<i>L. creola</i>
<i>C. eurytheme</i>	<i>L. anthedon</i>
<i>P. sennae eubule</i>	<i>L. portlandia miss-</i>
	<i>L. appalachia</i> <sup>ark.</sup>

- \* New county record
- \*\* New state record

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## (FALL FIELD TRIP, CONCL.)

High points of the collecting were the addition Lerodea eufala (W.H. Edwards) to the Kentucky state list through the capture of a fresh male by Mike McInnis at the Fulton Co. site on Sept. 5. Mike generously donated the specimen to the Univ. of Louisville collection, where it may be viewed at the Annual Meeting. Also, on the 5th Richard Henderson sighted what he thought was a Euphyes dukesi in the Bayou de Chien spot, and his sighting was verified next day when Loran Gibson took the second known state record of this skipper - a male - a bit farther in the swamp. Mo Nielsen and he sighted at least 2 more, including a female. The only other state record was taken by a student at Western Ky. Univ. in what is believed to be Webster Co. on 6 July, 1972. However, the collector has not been located, and the label data is vague. Now we KNOW we have the Dukes Skipper in Ky.!

Other good captures included plenty of P. yehl in fresh condition, E. dion, L. appalachia, and a few L. creola, anthon, and portlandia missarkae. Your editor was graced with 2 P. m-album, the second dispelling the rumor that he carries one with him to all field meetings to trot out as a bogus capture! Gibson took a worn L. accius, which we see only rarely; and N. iole was seen at both sites, first time in a few years (McInnis also reported it earlier in Aug. in the Louisville, Jefferson Co. area). Panoquina ocola was sighted at both spots, at least tentatively at Kaler, and eluded the net. Covell got one at the Bayou in 1980. C. cecrops turned up at both places for the first time in our records, too.

Among moths, the light trap left at the Fulton Co. spot yielded much that was taken there before, including 1 of the geometrid taken last year for the first time in Ky., Stenaspilatodes antidiscaria. Several of the noctuid Parapamea buffaloensis were taken this time - enough to go around among the interested parties. Other moths await identification.

A short Sunday morning field trip to the Mayfield Bottoms area of McCracken Co. for the children yielded few butterflies, but they did include 2 L. portlandia missarkae taken by CVC. We now have it from Fulton, Graves, and McCracken counties.

Saturday night the Blacks hosted a barbecue, which was most delicious. Thanks, Nancy & Bill! The rest of you: we missed you!

BOOK REVIEW: Butterflies of the Rocky Mountain States, ed. by C.D. Ferris & F. M. Brown. U. of Okla. Press, xviii + 442 pp., illus. in color & Black-&-white, \$35.00. 1981.

Serious lepidopterists will hail 1981 as a peerless year for butterfly books. Three excellent volumes came out in quick succession: Bob Pyle's Audubon Soc. Field Guide to N. American Butterflies; Miller & Brown's Catalogue/checklist of the Butterflies of America N. of Mexico (Lepid. Soc. Memoir #2); and now the long-awaited Butterflies of the Rocky Mountain States with 6 contributing authors (Don Eff, Scott Ellis, Mike Fisher, Lee Miller, Jim Scott, and Ray Stanford).

While only the last of these 3 volumes is reviewed here, the interlocking expertise reflected in all 3 deserves brief comment. F. Martin Brown is a major author of both the Catalogue/checklist and the Rockies work; and his help is acknowledged in the Audubon S. Field Guide. Ferris, the other editing author of the Rocky Mtn. book also gave assistance on the Catalogue/checklist. Lee Miller is acknowledged in the Audubon S. Field Guide; and Pyle's assistance is acknowledged in the Butterflies of the Rocky Mountain States. With no less than 6 persons involved in some way with all 3 books, and at least 13 contributing to 2 of them, the interlocking consultative process which overlapping authorship and mutual assistance would seem to indicate is not reflected in the generic and specific names applied to taxa in the 3 books, nor in their perceived phylogenetic sequence. In some respects it is a pity that the experts cannot agree; but perhaps the vitality of independent judgments is rather to be desired.

All 3 books depart substantially to the nomenclature of the dos Passos Synonymic List of the Nearctic Rhopalocera (1964), which (with some later emendation) has been the standard checklist for N. American butterflies since that time. This is to be expected. But in the Rocky Mountain book the familiar skipper Polites coras is again P. peckius while coras in the other 2; and Papilio glaucus is in the genus Pterourus in the Catalogue/Checklist and Audubon S. Field Guide but in Euphoades in the Rocky Mountain book. The fine old name Basilarchia has been resurrected by the former 2 works, but again the Rocky Mountain treatise deviates by retaining Limenitis. Fortunately all 3 agree that the Cabbage Butterfly now  
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(REVIEW OF ROCKY Mtn. BUTTERFLIES)

must go in the genus Artogeia.

Rocky Mountain Butterflies is described by the publisher as a field guide, but it is much more than that. It is a comprehensive monograph on the butterflies of a vast region in which a few less than half of the species of N. American butterflies are known to occur. It is easily the finest regional work on American butterflies yet published. While not as ponderous as Scudder's 3 volumes of Butterflies of the Eastern U.S. or beautifully illustrated as Comstock's Butterflies of California, it is more complete, scholarly, authoritative, and convenient to use. Imbedded between Preface and Acknowledgments is a delightful historical essay on early collectors. Then follow 5 tightly written general chapters covering anatomy, taxonomy, collecting & preserving, biogeography, and butterfly bionomics. Within these pages is a fascinating range of subject matter, such as diapause, generations per year, mate location behavior, lifespan, feeding habits, thermoregulation, early stages, diseases, parasites, genetics, speciation, and much more. Then follows that part of the book dealing with the families, genera, and species, starting with the Hesperidae and ending with the Libytheidae. Species discussions cover descriptions, habitats, early stages if known, and similar species. Subspecies are treated where appropriate; and there is considerable discussion in many cases.

The third part of the book contains Glossary, Bibliography, Simple Techniques for Genital Dissection and Genital Sketches, distribution maps (by Ray Stanford), localities of specimens illustrated, a checklist, and indices (general, butterfly names, and foodplants).

The area covered is depicted in the maps and includes all of Colo., Ida., Mont., Utah, and Wyo., with contiguous areas of Ariz., Kans., Neb., Nev., N. Mex. N.D., Okla., Ore., S.D., Tex. and Wash. Maps are provided for 314 butterflies, and several others are mentioned in the text. The tone of the book is uncompromisingly technical, but this is mitigated for the amateur by a fine Glossary. Common names are also given. While there are 4 composite color plates, the outstanding aid to identification is the integration of fine black and white photographs into the text so one needs not flip back and forth while using description and pictures. Furthermore, butterflies which are difficult to distinguish are sometimes displayed side by side so comparisons can be made more easily. For example, A. lyciades and E. clarus, which could be

confused, appear in a single illustration.\* The color plates are, fortunately, all in one group for easy use; but the legends unfortunately do not refer directly to the relevant text pages.

The indexing is a positive joy. There are more well-known scientific names as well as those applied recently so even super-annuated users who know the old names can find their way to the book's treasures.

Small detractions include the lack of a single large map with counties named for reference so one does not have to look that information up elsewhere. Also, it is too bad that the bibliography could not have included more complete references to Rocky Mountain butterflies such as Covell's note on collecting in NE New Mexico (J. Lepid. Soc. 14: 237, 1960) and R. Holland's paper on 6 central N.M. mountain ranges (just outside the area of coverage) (J. Lepid. Soc. 28: 38, 1974).

This is a book no student of North American butterflies can afford to be without. It will prove useful whether one is a specialist, a tourist, or an unfortunate who can spend only a single day in the region.

- J. R. Merritt

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## NEW MEMBERS

Frederick Wm. Holland, 9870 Edisto Way,  
Baltimore, MD 21220.

John Calhoun, 382 Tradewind Ct., Westerville,  
OHIO 43081. John is a friend of Reed  
Watkins and Loran Gibson, and hopes to  
be at the Annual Meeting.

Lindsey Marean, 3101 Evon Ct., Jefferson-  
town, KY 40299. A student at U. of Lou-  
isville and volunteer worker in the Univ.  
insect collection. Interests include  
Coleoptera as well as Lepidoptera.

## ADDRESS CHANGE

Jim Tuttle, 728 Coachman #4, Troy, MI 48084.

## DUES REMINDER

Blaine Early, our Treasurer, says the dues are coming in rather slowly, and that the treasury is about \$285. Did you forget to send yours in? Please do so right away. His address is: Dept. of Biology, Cumberland College, Williamsburg, KY 40769. We will update the membership list at the Annual Meeting, so let us hear from you.

## NEWS AND NOTES

WHILE I TRY TO KEEP THIS NEWSLETTER WITHIN THE CONFINES OF 4 PAGES, IT JUST IS NOT POSSIBLE THIS TIME. SO HERE GOES AN EXTRA PAGE.

THE LEPIDOPTERISTS' SOCIETY ANNUAL MEETING which was held in Mexico in July was generally a success, according to Dave Winter. However, the program was mostly contributed by Mexican members, and there were many of us Yankees (in the broad sense, fellow southerners!) who originally intended to go that reneged at various points along the way. For myself, who is one of the latter, the cost was too great, and I felt that having just returned from the Dominican Republic that it was necessary to try to get the Field Guide to Moths writing finished. I am happy to report that I have finished writing now, and am proof-reading and numbering the more than 1,300 pages of manuscript prior to sending the \*\*#@!! thing in. Artwork is still to be completed. But I'm getting there, friends, I'm really getting there. Anyway, the 1982 Annual Meeting of the Lepid. Soc. is to be in Laramie, WYOMING, July 16-18. Hope our group will be well represented.

\* \* \* \* \*

The Catalogue/Checklist by Miller & Brown (Memoir #2 of the Lepid. Soc.) is now out in the paperback edition, and the hard-bound copies are expected in Louisville any day now. If you ordered a paperback edition, you should have received it by now. If not, please write to me about it. I'll let you know when the hardbacks are out. If you ordered both, the paperback was sent anyway, with a note explaining the lack of the other. It looks pretty good, but Lee Miller informs me he will collect errata and publish that at a later date. If you want to purchase copies at the Annual Meeting, they will be a dollar off the regular price, since it costs over \$1 in materials and postage to mail the book. So members can get it from me for \$4 for paperback, \$9 for hardback (if they are available on Nov. 6).

\* \* \* \* \*

I will be happy to have anyone in the group bring specimens or any other Lepidoptera-related item for door prizes for the Annual Meeting. Thank you.

\* \* \* \* \*

John MacGregor has taken a new job, as non-game biologist with the Ky. Fish and Wildlife Dept. in Frankfort, Ky. He will be working on a list of about 1,000 invertebrates of special interest in Ky., which will certainly include our favorite insect group.

\* \* \* \* \*

Your Editor enjoyed delivering a seminar to the Zoology Dept. at Miami Univ. of Ohio on Oct. 1. Title: "Butterflies and the Endangered Species Question." Seemed well received by the 40 or so in attendance; and I met a local lepidopterist, Jack Vaughn.

\* \* \* \* \*

Irving Finkelstein and Abner Towers have discovered a colony of what seems to be an undescribed moth of the family Geometridae in Georgia. I am working with them on a description, to go with life history and ecological notes.

\* \* \* \* \*

Paul Opler is working on a book on eastern N. American butterflies that will include county distribution maps for all species. You editor is getting dotty trying to fill in these maps for years of collecting in Va., N.C., Fla., and Ky.

\* \* \* \* \*

A source of glassine envelopes: Volunteer Coin & Stamp Co., 509 Clinch Ave., Knoxville, Tennessee, 37901. Prices \$8.50 to \$11 per thousand, depending on size. Phone: AC 615 - 525-8724.

## NEWS AND NOTES

Patrick Conway wrote recently from Downer's Grove, Ill., saying he has had a pretty good year in Illinois, though he was not out too often. Hesperia ottoe was common in early July at sites in Mason and Winnebago counties; and he took one Atrytone arogos at the Fults Hill Prairie, Mason Co. He found Erynnis martialis common at Sand Ridge State Forest, also in Mason Co.

\* \* \* \* \*

The Checklist of Lepidoptera of America North of Mexico, being prepared by the Moths of America N. of Mexico group has been delayed because the corrected proof, sent back to the publisher in England, went surface mail despite being mailed by air. So it took 6 weeks instead of a few days. Ron Hodges hopes it will be out very soon after the first of the year if it cannot make it before the end of Dec. Subscription prices are \$40 for individuals, \$60 for institutions. This will be the standard for moth nomenclature and classification for a while to come, and I hope all of you will support this worthy project by getting a copy. The butterfly arrangement used by Miller & Brown is also incorporated into this larger work. To subscribe you might write BioQuip Products, P.O. Box 61, Santa Monica, CA 90406. They now handle E.W. Classey publications in the U.S. (the Classey office in San Marco, CA has been closed).

— THAT'S IT FOR NOW; SEE YOU AT THE ANNUAL MEETING!

Charlie

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FIRST CLASS MAIL



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