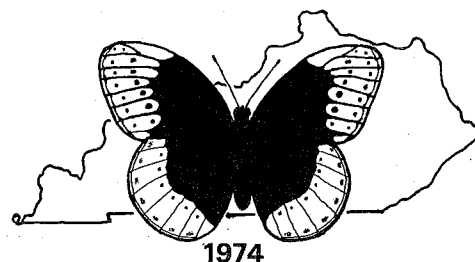

KENTUCKY LEPIDOPTERIST
Newsletter of the Society of Kentucky Lepidopterists

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EDITORS' NOTES

I received two responses from people offering to write articles on taxa or groups of Lepidoptera. I thank those individuals and hope that more of you may consider writing for this series as well.

There was another 5 week delay in getting copy for the newsletter. I must again refer members to statements made in previous newsletters. If sufficient copy has not been received by the deadline then there will be no newsletter until just after the next deadline. Not being able to get this out on time causes me delays in other areas. We have nearly used up what little backlog we had for the newsletter. We desperately need your articles. Articles on any aspect of lepidopterology are welcome. Pictures are also welcome! Pictures can be incorporated much more cheaply than they were in the past. For submissions please take note of some of the points below.

Please put your full name, address, and phone number on the title page of your submission. I often need to get in touch with the writers and some of you are hard to track down. FOR THOSE OF YOU USING COMPUTERS, PLEASE send your submissions on disk (any size) in DOS or ASCII text. I will return all disks. I can also take documents in WORDPERFECT 5.0 (or previous versions), DISPLAYWRITE, FIRST CHOICE, WORD FOR WINDOWS, WORDSTAR and LOTUS WORKS. If you have another program and need to figure out how to transfer into DOS or ASCII text, drop me a line or call me at (502) 583-5835, speak into the answering machine and if I'm home I'll pick up. When submitting pictures, please send me copies that can be cut. I need to be able to crop them to fit. Also, when sending articles please let me know if they will be printed in their entirety in other newsletters. I try not to duplicate what will printed elsewhere as many of our members also belong to other societies. The NOTICES section is a free service to KLS members. Organizations, businesses, etc. may also run ads for the price of membership. All notices, research requests, etc. will run for two consecutive issues unless notified to terminate them earlier.

Thanks for keeping all this in mind when sending your contributions. These things will help me a great deal when it comes time to format the newsletter. The new deadlines for the rest of volume 18 are July 15, 1992 for 18:3 and October 7, 1992 for 18:4. Please note the changes on your calender.

SPECIAL NOTE: For those of you who can access BITNET or INTERNET through your computer and need to contact me quickly, my addresses are as follows:

BITNET: BSNICH01@ULKYVM
INTERNET: BSNICH01@ULKYVM.LOUISVILLE.EDU

I check my account daily. You can also submit print for the newsletter in this fashion and I'll download it.

I plan on running a membership list in an upcoming issue. Make sure all information on your mailing label is correct. Also if you write with your phone number, they can be included in the list. This may prove valuable if people plan trips in your area. I will also run any computer addresses that people send (example above).

MISSISSIPPI COMPARED WITH GEORGIA by Bryant Mather

James K. Adams, in his interesting report on moths he has collected recently in Dalton, Whitfield Co., Georgia, listed 43 species, a number of which he regarded as near or at the end of their range. I sorted these out in the order, and with the nomenclature of the mona list (Hodges 1983) and checked which ones occur in Mississippi based on my records. Then I checked against the 1992 printout of the Mississippi Entomological Museum (hereafter MEM) at Mississippi State University. Only one of the 13 species not known to me is known to the MEM. Hence it can be concluded that 70% of those Adams finds and noted from northwest Georgia make it to Mississippi but 12 of his 43 haven't yet been found here. The species listed in Adams' article are given below with my notes.

MONA #	SPECIES	MS	MEM	NK BM
4675	<u>Isochaetes beutenmuelleri</u> (Hy. Edw.)	AB	-	
4679	<u>Natada nasoni</u> (Grt.)	5	+	
4699	<u>Parasa indetermina</u> (Bdv.)	4	-	
6076	<u>Thyris maculata</u> Harr.	5	+	
6077	<u>Thyris sepulchralis</u> Geur.	CM	+	
6251	<u>Drepana arcuata</u> Wlk.	10	+	
6449	<u>Glena cribrataria</u> (Gn.)	CM	+	
6440a	<u>Biston betularia cognataria</u> (Gn.)	NK	+	1
6665	<u>Erannis tiliaria</u> (Harr.)	2	+	
6739	<u>Euchlaena irraria</u> (B.& McD.)	NK	-	2
6796	<u>Campaea perlata</u> (Gn.)	NK	-	3
6818	<u>Selenia kentaria</u> (G.& R.)	6	+	
6822	<u>Metarranthis duaria</u> (Gn.)	10	+	
6835	<u>Cepphis armataria</u> (H.& S.)	NK	-	4
6839	<u>Probole nepiasaria</u> (Wlk.)	NK	-	5
6840	<u>Plagodis serinaria</u> H-S.	1	-	
6842	<u>Plagodis phlogosaria</u> (Gn.)	3	-	
6869	<u>Caripeta aretaria</u> (Wlk.)	NK	-	6
7653	<u>Calledapteryx dryopterata</u> Grt.	NK	-	7
7665	<u>Olceclostera angelica</u> (Grt.)	CM	+	
7723a	<u>Anisota virginiana pellucida</u> (J.E. Smith)	CM	+	
7826	<u>Paonias astylus</u> (Dru.)	10	+	
7921	<u>Peridea ferruginea</u> (Pack.)	3	+	
8010	<u>Schizura concinna</u> (J.E. Smith)	CM	+	
8022	<u>Hyparpax aurora</u> (J.E. Smith)	CM	+	
8114	<u>Holomelina laeta</u> (Guer-Meneville)	CM	+	
8176	<u>Apantesis anna</u> (Grt.)	NK	-	8
8780	<u>Catocala robinsoni</u> Grt.	4	+	
8781	<u>Catocala judith</u> Stkr.	3	+	
8782	<u>Catocala flebilis</u> Grt.	1	+	
8789	<u>Catocala ulalume</u> Stkr.	4	+	
8790	<u>Catocala dejecta</u> Stkr.	10	+	
8791	<u>Catocala insolabilis</u> Gn.	CM	+	
8904	<u>Chrysanonympha formosa</u> (Grt.)	NK	-	9
8969	<u>Baileya doubledayi</u> (Gn.)	2	+	
9050	<u>Lithacodia concinnimacula</u> (Gn.)	1	-	
9085	<u>Tarachidia semiflava</u> (Gn.)	8	+	
9177	<u>Panthea acronyctoides</u> (Wlk.)	NK	-	10

9680	<u>Elaphria georgei</u> (Moore & Rawson)	8	+	
9933	<u>Eupsilia vinulenta</u> (Grt.)	NK	-	11
10007	<u>Feralia major</u> Sm.	CM	+	
10013	<u>Eutolyte grandis</u> Sm.	NK	-	12
10406	<u>Lacinopolia olivacea</u> (Morr.)	NK	-	13

LEGEND:

AB = Abundant

CM = Common

NK = Not Known

MS Column shows those known in Mississippi, a number in the column denotes total specimens known from MS

MEM Column shows those known to the MEM

NK/BM Column shows those not known in MS to Mather

REFERENCES: Hodges, R.W. et al eds. 1983. Check list of the Lepidoptera of America North of Mexico.

MY FIRST DIANA FEMALE by James K. Adams

Charles Covell's article in issue 17:3 of the newsletter interested me greatly. I have always been fond of "Firsts" stories, and certainly the first female Diana Fritillary is likely to be the one that most people would remember (though many others stick in my head as well!). It would be fun to run a regular "Firts" column (only my opinion of course), and why not start with several about the mascot of the Kentucky Lepidopterists' Society.

The actual capture of my first diana female was somewhat anticlimatic, but the events leading up to it are actually quite humorous! I just recently moved to northern Georgia from Kansas (yes, some of you have heard this part before), and, for the first time in my life, I live in close proximity to where Speyeria diana actually occur.* Having moved here in early August of 1990, it took me a couple of weeks to get settled in. By the time I had time to get out and swing a net, it was getting to be late August, not much time left to get out and catch Dianas. Needless to say, I needed to find out where to capture them and quick! Well, I got out my trusty Lep Soc membership list, found Hermann Flaschka's number, and gave him a call. (John R. Heitzman of Independence, MO had suggested I try Hermann Flaschka). He bluntly said, "Cooper's Creek Recreation Area, Union/Fannin Counties." He also suggested I wait until about 2:30 or 3:00 p.m., when the females seem to be more active. Well, being the eager collector that I am, I immediately found (quite worn) males eagerly visiting the Joe-Pye Weed blossoms, but, being the first S. diana I had ever seen alive, I kept a couple of the best males. I also collected some Satyroides appalachia (also my first), but by 2:00 p.m., having seen no females, I was tuckered out. By 3:00, I still had seen no females, and I hung it up. "Oh well, maybe next year," I thought. I got home, and very quickly received a call from the Flaschkas. "How'd you do?" I said "Well, I got some males but no females." "It may be a little early yet." he said. "Would you like to try next weekend?" ("Early?!?" I thought.) "Sure," I said.

The next weekend (the fourth in August) rolled around, and off I went again to Cooper's Creek. This time I had the added pleasure of meeting the Flaschkas. They showed me the area, which was a good thing as I wasn't sure I had found the correct places before (I had, however; just no females!). We caravanned around for a while, looking at a lot of Joe-Pye

Weed, Horsemint, and a few other plants, but still no females! Finally, I stopped to eat a late lunch, and the Flaschkas went on. I had been sitting and looking at a very large stand of Joe-Pye Weed for about 20 minutes (using the sit and wait technique), when an unidentified net with a demure person attached came walking up the road. Someone else after dianas?? Indeed, it was Dr. Irving Finkelstein from Atlanta, also after female Dianas. Well, I naturally introduced myself, and we had a pleasant conversation. "What can be collected around here?" "Many things, including..." Irv (as I now called him on his insistence) responded. "Have you gotten any female dianas?" "I saw one but haven't captured any yet. I've gotten them here before, however, and I want to try rearing some more." Suddenly his eyes went out of focus, and our conversation was interrupted when Irv went running past me up the road. A flurry of swings and Irv had a female Diana in his net -- neatly picked out of the air. Unfortunately, a second later the fritillary was back out of his net; but it was flying directly at me! The first female diana I'd ever seen alive! Would this be the first one I would catch?!? No. Needless to say, this butterfly was in no hurry to stop, and took a quick right turn up a hill. No chance to catch this one.

By this time, I had satiated my appetite for food, but my appetite for female Dianas had just been whet. Irv, after a remarkable display of athleticism, was actually somewhat apologetic, mentioning that, since I had never never before caught one, he should have let me swing at the diana he saw. What nice people I had met this day, but still no females! I, of course, said that it was perfectly alright; surely I would get one soon. At this point, we went opposite ways along the road. And, indeed, not five minutes later, I easily netted a female diana, sipping nectar quietly from some Joe-Pye Weed flowers. Nothing to it -- as I said, somewhat anticlimatic. Not three minutes later, another one. "What time of day was it?" you ask. After 3:00 p.m. Ah, the wisdom of experience. Just as the Flaschkas had said all along! A week later my mom visited from the Kansas City area and fulfilled her lifelong dream of capturing her own female diana fritillary (you can read about this in the Idalia Society Newsletter, Volume 1).

NEWS AND NOTES

Congratulations to:

Christa Anderson and Bob Hoffman on the event of their marriage April 24. I did not learn if there was any collecting done on the honeymoon!

Burt Monroe for his Distinguished Service Award at the University of Louisville.

Jackie Miller earning tenure and promotion to Associate Curator in the Florida State Museum.

BioQuip Products for finally getting out a current catalog (1992-1993). I'm sure many of you have been looking forward to this one for a long time.

There is a new Entomology organization. The Arkansas Entomological Society was formed during the summer of 1991. Membership is open to all. Dues are \$5.00 and run by calender year. Make checks payable to the Arkansas Entomological Society. Send all correspondance to Timothy J. Kring, Dept. of Entomology AGRI 321, University of Arkansas, Fayetteville, AR 72701.

Be sure to attend the Lepidopterists' Society Annual Meeting at East Lansing, Michigan, June 25-27, 1992. Many Kentucky Lepidopterists will be there. Charles Covell is giving a talk on the history and results of the Kentucky Lepidoptera Survey which many of you have aided so much.

The number of Kentucky Lepidoptera (identified and recognized species actually recorded from Kentucky) stands at 2,326 species in 65 families.

If you are interested in combining Lepidopterology with philately, you might wish to join the 35 members of the new Philatelic Lepidopterists of America. Dues \$10. Quarterly newsletter (the first issue now available from Charles Covell). Make checks out to PLA.

July 4, 1992: Field trip at Horner Wildlife Sanctuary, Brownsboro, Oldham Co., KY to carry out 8th annual Xerces Society July 4 Butterfly Count. Anyone wishing to participate contact coordinator, Charles Covell, at (502) 588-6771 (work) or 456-6122 (home). We will meet at the Brownsboro General Store at 9:30 AM, break up into teams, and count until 3 PM. We found 37 species last year! Bring a lunch. If it rains the substitute count day is July 5.

September 12-13: Field trip to Fulton Co., KY, to collect wetlands butterflies and cypress swamp moths. Meet Friday night at Quality Inn, just off the Purchase Parkway at the Fulton exit. Quality Inn phone no. is (502) 472-2342. Or join us after 9 AM Sat. at the point where Little Bayou de Chien passes under Rt. 94, 2.5 miles east of Cayce. Last year we recorded all 4 of the large satyrs, including Enodia portlandia missarkae. Hopefully we will enjoy the company of Edward A. Sadler, an English lepidopterist visiting and collecting in our area at that time.

Our 19th Annual Meeting in Louisville will be held November 6-7. Format will follow tradition, with featured speaker and chance for all to participate. Details will follow, but please mark your calendar now!

THE COMMON NAMES OF NORTH AMERICAN BUTTERFLIES, by Jacqueline Y. Miller 1992. 177 p. Soft cover. Smithsonian Institution Press, Washington, DC 20560. \$15.25 postpaid. This book is the first attempt to standardize common names of North American butterflies. Following the format of the Miller & Brown (1981) Catalog Checklist of the Butterflies of America North of Mexico, each species has one or more common names applied, with references to major works in which they appear. The first is considered preferred. The choices were made by a joint committee of specialists from the Lepidopterists' and Xerces societies. A useful reference for those who wish to use correct English names for butterflies when communicating with the growing numbers of non-lepidopterists (such as gardeners and wildlife biologists) who are showing increasing interest in butterflies.

A FIELD GUIDE TO THE BUTTERFLIES OF EASTERN NORTH AMERICA, by Paul A. Opler and Vichai Malikul. 1992. Houghton Mifflin Co., Boston. 396 pp., 48 color pls. Hard cover, \$24.95; soft cover, \$16.95. Fully revised edition of Klots' celebrated 1951 Peterson Field Guide No. 4. This book is beautifully illustrated by professional scientific illustrator Vichai Malikul with an additional color section of photos of live butterflies; The book reflect's Paul's meticulous study of butterfly systematics, biology, and distribution. There are many features, including distribution maps, a list of sources for equipment, the Lepidopterists' Society code of collecting responsibility, and a list of societies including ours. Up to date in every way. An absolute must for any lepidopterist interested in North American butterflies. (NOTE: The reason why this book has 396 pages and Field Guide to the Moths has 496, but is the same thickness, is that plates and legend pages are included in numbering of FGM but not so in FGB!).

BIOLOGY AND SYSTEMATICS OF GREYA BUSCK AND TETRAGMA, NEW GENUS (LEPIDOPTERA, PRODOXIDAE), by Donald R. Davis, Olle Pellmyr, and John N. Thompson. Smithsonian Contr. Zool. 524, 88 pp., 375 figs. An important taxonomic and biological study, with habitat photos, figures of the species in these microlepidopteran genera, distribution maps, and cladistic analysis.

LEARNING ABOUT BUTTERFLIES by Carolyn Klass and Robert Dirig. Cornell Cooperative Extension Publication. 36 pp, 16 figs. Ages 10-adult. The authors approach butterflies of the Northeast from an inquiring perspective, prompting the reader with questions, some answered and some open-ended. Chapters on butterfly anatomy and life history provide basic information on the butterflies, and a third chapter summarizes their habits, ecology, and behavior. A fourth chapter, on butterfly conservation includes a section on gardening to attract butterflies, amplified by appendices listing larval foodplants and nectar sources. A section entitled "Suggested Projects for Personal Discovery" indicates many aspects of butterfly study that need further investigation in the Northeast. A chapter on references and resources direct the reader to sources of further information. A list of the 151 New York State butterflies gives brood and residency status codes, and includes eight butterflies new to the state since Shapiro's 1974 list. Numerous illustrations amplify the text. To order, specify title and publication number (Learning About Butterflies, 139-M-9) and send a check for \$6.25 (payable to Cornell University) to Resource Center, 7-8 Business & Technology Park, Cornell University, Ithaca, NY 14850.

The May/June 1992 issue (Vol. 42, No. 3) of the Nature Conservancy magazine has a six page article on rare butterflies entitled "Nature's Silent Sirens". There are color photographs of the Karner Blue, Lycaeides melissa samuelis Nabokov (MONA 4375); Regal Fritillary, Speyeria idalia (Drury) (MONA 4452); and Gorgone Checkerspot, Charidryas gorgone (Hbn.) (MONA 4489).

RESEARCH REQUESTS

As part of a study of the literary work of Indiana author Gene Stratton-Porter (1863-1924), I am trying to locate her Lepidoptera and botanical specimens, natural history correspondence, and any other artifacts that might survive in public or university museums, libraries, and archives. I would greatly appreciate knowing of caches of such material outside her former homes, the Indiana State Memorials at Geneva and Rome City. In a lepidopterist context, Mrs. Stratton-Porter is best known for her classics A Girl of the Limberlost (1909) and Moths of the Limberlost (1912). I am also keenly interested in the influence of these two books on incipient lepidopterists, and would greatly appreciate any personal anecdotes that seasoned lovers of Lepidoptera could share. I still seek copies of her books Friends in Feathers (1917) and Jesus of the Emerald (1923), and would be grateful for any information leading to acquisition of either. Contact Robert Dirig, P.O. Box 891, Ithaca, NY 14851.

Needed are any and all specimens of the Neotropical ctenuchine arctiid genera *Poliopastea*, *Psiloplenra* (one species in the southern U.S.) and *Isanthrene*, for a study on the phylogenetic relationship of these three genera. I can trade specimens of many species of both butterflies and moths from the midwestern and southeastern U.S. and/or Mexico, if necessary. Contact Dr. James K. Adams, 137 Sequoia Hall, Dalton College, 213 N. College Drive, Dalton, GA 30720.

MEMBERS NOTICES

FOR SALE: Bids solicited for a Bausch & Lomb Camera Lucida (any over \$100.00) in original box, complete, and in fine condition. Contact L.P. Grey, Rt. 1, Box 1925, Lincoln, ME 04457.

Peterson's Field Guide to the Moths of Eastern North America, 3rd printing, soft cover only, is now available from Charles Covell for \$15.95 postpaid. MOST of the "wrong bugs" are now gone, and 6 black and white plates are improved over first printing version!

I would like to obtain a copy of TREE & SHRUB INSECTS OF THE PRAIRIE PROVINCES by W.G.H. Ives and H.R. Wong. 1988. INFORMATION REPORT NOR-X-292. It was published by the Northern Forestry Centre, Canadian Forestry Service. It is no longer in stock. If anyone knows of a copy please contact Barry S. Nichols, 7004 Ethan Allen Way, Louisville, KY 40272.

Fine bait traps for sale. Normal, cone-type traps and a "tropical" type with a wide lip instead of a cone. They are 3 ft. high, 15 in. in diameter, and have a 22 in. access zipper and a 16 sq. in. plywood base. Those with cones have a cone opening of 4 inches. Cost is \$35.00 (plus \$3.00 shipping). Contact Chris Ward at 1474 Melbourne Dr. SE, Girard, OH 44420, or call (216) 539-5374 for more information.

I wish to buy or trade for specimens of the following: Speyeria diana, S. idalia, Eurytides marcellus forms lecontei and telamonides, Euchloe olympia, any Amblyscirtes spp., Celastrina ebenina, Celastrina neglecta-major, Calephalis muticum, Polygonia faunus smythi, P. progne (both broods), Pieris virginiensis, Sphinx eremitus, S. eremetoides, S. frankii, S. lucitiosa, S. vashti, S. drupiferarum, Callosamia securifera (cocoons & both broods), C. angulifera (cocoons & both broods), any Anisota spp., Lethe creola, L. portlandia. I would also like any Coleoptera. Material should be in A1 condition. If interested please reply to Ira Nadborne, 7241 North Ulene Place, Tucson, AZ 85741 or call collect (602) 579-0769 and identify yourself as a Kentucky lepidopterist.

PUBLICATION FOR SALE: Signed copies of the new "Discover Butterflies" are available from the author, Gary A Dunn. It is published by Publications International. Explore the fascinating world of butterflies -extraordinary colors, migration, survival, catrpillars and the miracle of metamorphosis. This 44 page hardcover book features hundreds of color photographs and drawings, plus an informative, easy-to-read text. Recommended for ages 8 and up. Autographed copies are available for \$10.95 (plus \$1.50 S & H) from Gary A. Dunn, 1915 Peggy Place, Lansing, MI 48910-2553.

BUGGY TOYS FOR SALE: Don't be a humbug! We have a unique line of toys for girls and boys of all ages. Items include; books, resource guides, handbooks, project and collection aides, educational games, puzzles, insect puppets, stuffed animals, insect gliders, butterfly jewelry and crafts, and much more. For a free catalog write YOUNG ENTOMOLOGISTS' SOCIETY, 1915 Peggy Place, Lansing, MI 48910-2553.

PUBLICATION FOR SALE: International Entomology Resource Guide (Third Edition) is completely revised and updated. This guide includes over 550 businesses and organizations offering collecting equipment and supplies, insect traps, insect pins, collection storage equipment, rearing equipment and supplies, microscopes, insect displays, insect gifts and novelties, and more. It also includes a worldwide listing of insect zoos, butterfly houses, and entomological organizations. Send US \$7.95 (foreign orders add \$2.95 for airmail delivery) to the Young Entomologists' Society, 1915 Peggy Place, Lansing, MI 48910-2553.

Back issues of the Kentucky Lepidopterist may be ordered by Volume # (or year) for \$5.00 per volume or \$1.25 per issue. Order from Charles Covell.

NEW MEMBERS

Brenda Colvin, 3204 Chapel Lane, New Albany, IN 47150. Phone: (812) 948-2807

Richard Guetig, 177 N. Bellaire Ave., #1, Louisville, KY 40206

Tim Harrod, 322 Strathmore Drive, Frankfort, KY 40601. Phone: (502) 695-4721

Caroline K. Kallas, 17 West 710 Butterfield Rd., #111, Oakbrook Terrace, IL 60181. Phones: (708) 916-7485 (H), or (708) 969-2588 (W)

Ron King, 3826 Fawn Dr., #3C, Indianapolis, IN 46254-4613. Phone: (317) 297-5810

Adam, Benjamin, Daniel and Jonathan Tidei, 1156 Gilbert's Creek Rd., Lawrenceburg, KY 40342. Phone: (502) 839-5189

NEW ADDRESSES

Rob Mattingly, 5297 Smith Road, Floyd's Knobs, IN 47119. Phone: (812) 923-7752

Monica Miller, 5680 Clark Ave., Bethel Park, PA 15102-2632

Ira Nadborne, 7241 North Ulene Place, Tucson, AZ 85741. Phone: (602) 579-0769

Thomas Mason Paris, 1502 Wrights Lane, Gallatin, TN 37066. Phone: (615) 452-5428

Troy Payne, 3159 Berry Lane, SW, Roanoke, VA 24018

FROM: Barry S. Nichols
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pd92