

Kentucky Lepidopterist

Newsletter of the Society of Kentucky Lepidopterists

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THE SOCIETY OF KENTUCKY LEPIDOPTERISTS

OFFICERS

PRESIDENT

John W. Peacock
185 Benzler Lust Rd.
Marion, OH 43302-8369
E-mail: lepnut@worldnet.att.net

TREASURER

Les Ferge
7119 Hubbard Avenue
Middleton, WI 53562
E-mail: ferge@chorus.net

FIELD TRIP COORDINATOR

Bill Black, Jr.
201 Friedman Avenue
Paducah, KY 42001-4744
E-mail: wrblackjr@prodigy.net

EDITOR

Leroy C. Koehn
202 Redding Road
Georgetown, KY 40324-2622
E-mail: Leptraps@aol.com

SECRETARY

Suzette Slocomb
219 W. 68th Street
Kansas City, MO. 64113
SuzetteSlocomb@aol.com

AT-LARGE MEMBERS

Dr. Charles V. Covell, Jr.
George Balogh- 2002*
Dr. James K. Adams - 2003*
* term expires

The Society of Kentucky

Lepidopterists is open to anyone with an interest in the Lepidoptera of the State of Kentucky. Membership dues are annual: \$12.00. Dues sent to the Treasurer: Les Ferge, 7119 Hubbard Avenue, Middleton, WI 53562

THE SOCIETY'S 28TH ANNUAL MEETING NOVEMBER 1-2 LOUISVILLE, KENTUCKY

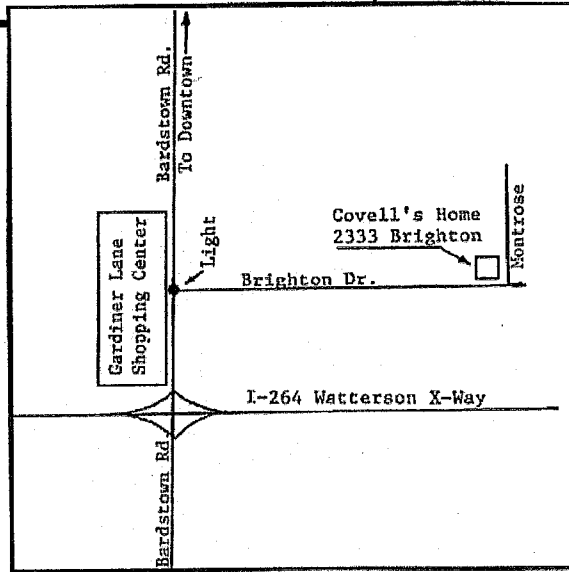
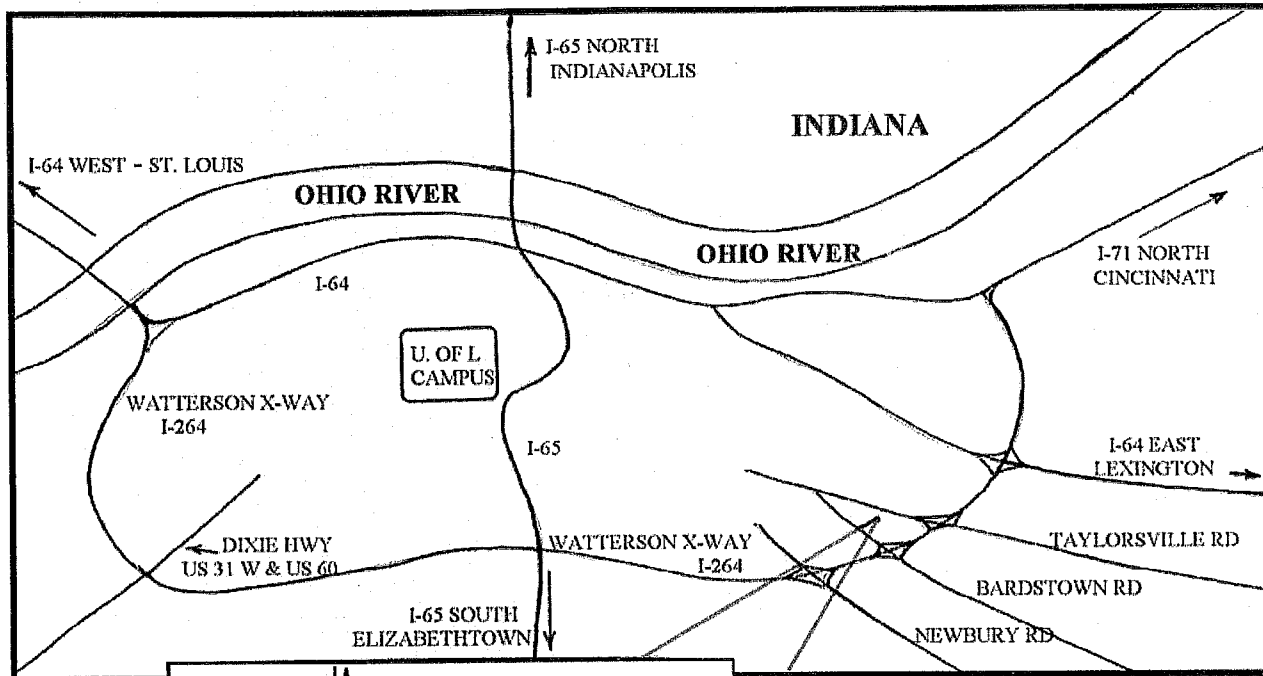
The 28th Annual Meeting of the Society of Kentucky Lepidopterists will begin on Friday, 1 November, Friday afternoon, 1:00PM, in Room 321 of the Life Sciences Bldg. Dr. Covell and others will be present to help identify specimens and record data. You are encouraged to bring your UFO's and specimens that are of interest. Specimens of interests are those that are poorly known or unreported from the state.

Friday night open house at the Covells', 7-11 PM. For direction to Dr. Covell's home, see map on Page 35.

Saturday morning at 9AM the insect collection and entomology lab will be open at Life Sciences Bldg. Room 321, University of Louisville. The remainder of the morning for visiting, identifying specimens, buy-sell-trade, etc. The annual business meeting will begin at 1:00 PM in that room. There are several topics that will be open for discussion: 1.) Increasing the total number of newsletters per Volume. 2.) Changing the Newsletter format. 3.) Locations and dates for field meetings. These topics need your input. As the Society determines direction, it is extremely important to have the input of the membership. If you are unable to attend the meeting and would like to express your ideas or suggestions on these topics, please write or E-mail Dr. Charles Covell, Jr., Dept. of Biology, University of Louisville, Louisville, KY 40292-0001; E-mail: covell@louisville.edu.

Our key note speaker this year will be Dr. J. Mark Scriber. Dr. Scriber is a professor in the Department of Entomology, Michigan State University, East Lansing, Michigan. He's been involved in research on the Papilio glaucus complex and Papilio troilus for a number of years in studies involving electrophoresis, morphometrics, and rearing and life history. He's traveled extensively to visit butterfly houses in the U.S. and overseas. The title of his talk will be "Swallowtail Butterflies: Research, Rearing and Recreation". Dr. Scriber will discuss his research on the Papilio glaucus complex, including research on range data, host use, etc., and will give a travelogue about his international tours of butterfly houses, and his efforts at swallowtail conservation.

MAP AND DIRECTIONS TO COVELL RESIDENCE



DIRECTIONS TO COVELL RESIDENCE

Take the north exit of I-264 Wattersson Expressway onto Bardstown Rd. You will see the Gardiner Lane Shopping Center on your left as you travel north on Bardstown Rd. Turn right at the traffic light onto Brighton Dr. Three blocks to 2333 Brighton on the left. Park in front, along the side on Montrose or in the Driveway. For additional information contact Dr. Covell; Office: 502-852-5942; Home: 502-456-6122, or E-mail: cvcove01@athena.louisville.edu

(Cont. from Front Page) A second speaker, C.J."Jack" Dempwolf, of Cincinnati, Ohio. The title of his talk will be, "Butterfly collecting in Kentucky in the early sixties." This will be an interesting and enjoyable talk.

There will be additional contributed papers, slide series, equipment and specimen displays, etc. If you want to present a paper or talk, please contact Dr. Charles Covell, Dept. of Biology, University of Louisville, Louisville, KY 40292-0001; E-mail: covell@louisville.edu, to provide time for your presentation.

Please bring a door prize. Anything related to Lepidoptera or Lepidopterists are welcome. Following the talks and presentations, Dr. Covell will conduct the door prize drawing, one of the most enjoyable and memorable part of the meeting.

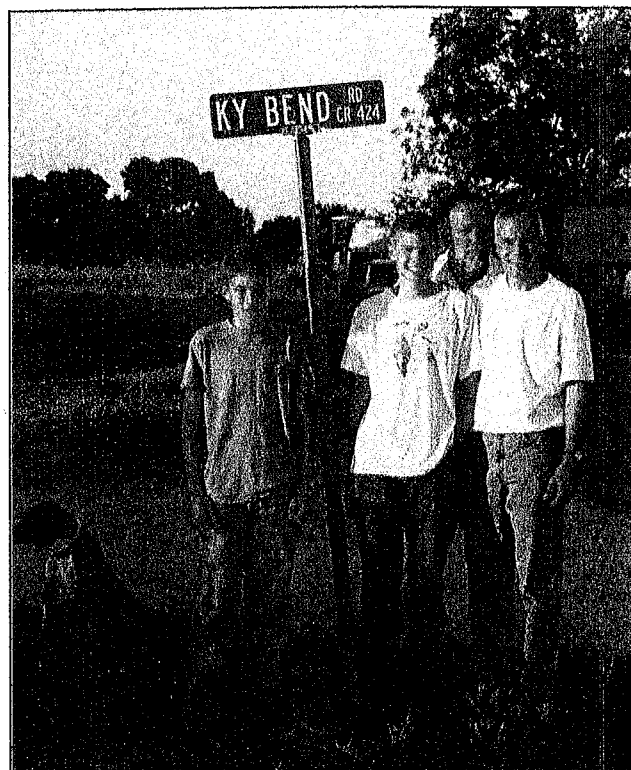
Dinner together follows at 6:00 PM at the University Club near the Life Sciences Building.

Plan now to attend. It should be another a great meeting.

WESTERN KENTUCKY FALL FIELD TRIP REPORT

The Fall Field Meeting in western Kentucky was a huge success. The activities began on Thursday, 5 September when Bill Black, Leroy Koehn and Craig and Ian Segebarth journeyed to Kentucky Bend, the western most area in Kentucky. As they travel south on Rt#94 from Hickman, they spotted a large mud puddle club in a ditch. What they spotted from the road was just the beginning. The wet area of the ditch began at a culvert of a drive way and extended north approximately 500 feet. Drought conditions had dried most of the ditch and moist spots occurred sporadically over the its length. Thousands of butterflies were found visiting the moist areas. At the culvert there were hundreds of Colias eurytheme, Abaeis nicippe, Pyrgus communis, Everes comyntas and Phyciodes tharos. Mixed in with the thirsty hoards were a few Pholisora catullus. After collecting a few specimens and taking dozens of photographs, and finding themselves mesmerize by the number of beautiful creatures, they continued to journey to Kentucky Bend.

Arriving at Kentucky Bend at 1:30PM, they began to explore areas along Stepp Road. With less than 15 residents, the majority of Kentucky Bend is farm land filled with fields of Soy Beans and Cotton. A few forested areas occur between the fields of crops, drainage ditches and creeks. Butterflies were abundant. Nathalis iole, Calycopis cecrops, Cyllopsis gemma, and Pholisora catullus were among the more interesting species collected. Kevin Segebart, Ian and Craig's father was to meet the others at Kentucky Bend, however, due to communication problems (Cell phones will not function in Kentucky Bend area, no cell towers) he had no idea where they were. He found Kentucky Bend with some effort and with dumb luck or Devine intervention, he found the others. Several Light Traps and numerous bait traps were set out. They departed Kentucky Bend around 5PM and traveled to Hickman, making a short stop at the mud puddle site to make a deposit of Vitamin "P" on the damp spots in the ditch. (For those with no understanding of bait, Vitamin "P" is urine) The deposit was made to help attract more butterflies on Friday. Upon arrival at Hickman, Bill Black set out 9, two gallon containers of bait along a ½ mile stretch of the river road south of the Bunge Facility. The purpose of the bait was to attract any Limenitis archippus within 20 miles in anticipation of locating another hybrid. The Segebrath's and Leroy Koehn each set out several bait traps and a light trap.



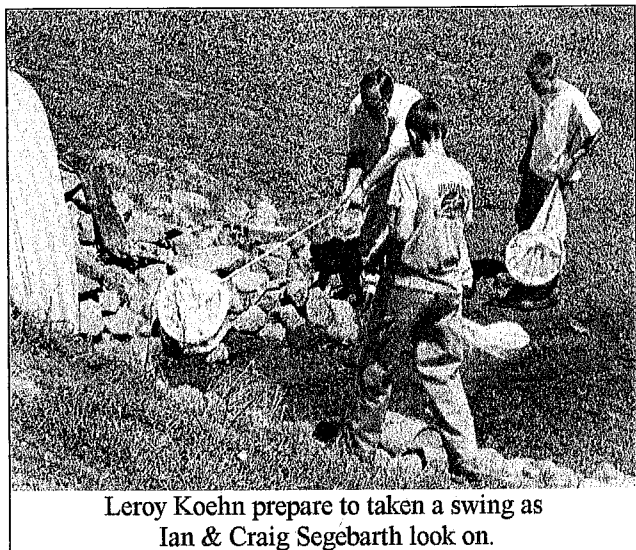
Ian, Craig, & Kevin Segebarth & Leroy Koehn
with resident hound.



"Eastern Tailed Blues on the Rocks"
The deposits of Vitamin "P" brought hordes of butterflies.
Including hundreds of Eastern Tailed Blues.

It was getting dark and they wanted to operate Leroy's UV light system near Elbow Slough. A quick trip into Hickman to find an evening meal at 8:30PM proved to be a challenge. A tasty meal at a local convenient store was soon found (A note of sarcasm on the word tasty) and then a dash in the dark to Elbow Slough.

By 9:30PM the lights were running and in came the moths. Several specimens of Apantesis oithona were taken along with a single specimen of Schinia florida. There were many Noctuid and Geometrid moths taken as well. By 12AM the lights were down and they made the long trip back to Paducah for the night.



Leroy Koehn prepare to taken a swing as Ian & Craig Segebarth look on.

Friday morning, they all met again at the home of Bill Black. Gerald Burnett arrived to join the group and they were on the road to Fulton County by 8AM. Leroy took Gerald and Ian in his Van and went to the Hickman spot to recover his light trap and check the bait traps. Bill, Kevin and Craig went to Elbow Slough to recover two other light traps. While at the Hickman site, Ian collected a Agraulis vanillae, the first individual recorded from the area since 2000 and several more were observed. Once they recovered and checked traps, they would all meet at on Stepp Road in Kentucky Bend.

Once at Kentucky Bend, they recovered their lights and sorted the moths in the shade of some large trees. Several specimens of Apantesis oithona were taken in the light traps to the delight of all. The bait traps contained many Catocala moths and a single Enodia portlandia missarke. Once the traps were sorted, a search for additional butterflies was conducted. Several specimens of Nathalis iole and Pholisora catullus were collected. They departed Kentucky Bend to return to Paducah to set out both light traps and bait traps in preparation for Saturdays activities.

Friday night was "conversation and a Strohs at Bill Black's". Gerald Burnett, Ian and Craig Segebarth, Bill Black and Leroy Koehn all brought specimens for Dr. Covell to identify.

Several interesting records were found. Gerald Burnett's specimens were most notable. Gerald's location in Carlisle County was of interest to Leroy Koehn and Bill Black. Yin Rei Hicks sketched a few portraits of attendees in pencil. She is a talented person. Slides were shown, conversations were had and a relaxing evening was enjoyed by all.



Group Photo under the Marque!

Saturdays activities began at the Days Inn where all participants met for breakfast and to plan out the days activities. Two of Dr. Covell's aquatic entomology students, Shelley Morris and Jessie Ballowe, joined the group. They were there to collect specimens of aquatic insects. Both live in the Paducah area.

The first stop was the Massac Creek Bottoms near Paducah in McCracken County. The following species were recorded there: Epargyreus clarus, Erynnis baptisiae, Pyrgus communis, Lerema accius, Ancyloxypha numitor, Atalopedes campestris, Hylephila phyleus, Polites themistocles, Polites origenes, Poanes zabulon, Amblyscirtes aesculapius, Wallengrenia egeremet, Battus philenor, Pterourus glaucus, Papilio polyxenes asterius, Pterourus troilus, Artogeia rapae, Colias eurytheme, Zerene cesonia, Phoebis sennae, Abaeis nicippe, Eurema lisa, Strymon melinus, Everes comyntas, Celastrina neglecta, Libytheana bachmanii, Euptoieta claudia, Speyeria cybele, Phyciodes tharos, Charidryas nycteis, Vanessa atalanta, Vanessa atalanta, Vanessa cardui, Junonia coenia, Limenitis arthemis astyanax, Limenitis archippus, Asterocampa celtis, Enodia portaandia missarke, Enodia anhedon, Cylopsis gemma, Hermeuptychia sosybius, and Danaus plexippus.

Next they visited the "Littleville" site where Bill Black had discovered a colony of Euphyes dukesi last year. It had been visited earlier in the week, and about 60 individuals were estimated. Well, it was an unbelievable experience, as there were easily over 100 individuals visiting Eupatorium and other flowers close to a woods, and in the woods among the food plant sedge. Many took photographs and collected a few specimens, but not many. Other species recorded: Erynnis baptisiae, Ancyloxypha numitor, Atalopedes campestris, Euphyes dion, Pterourous glaucus, Calycopis cecrops, Strymon melinus, Everes comyntas, Charidryas nysties, Phyciodes tharos, Asterocampa celtis, Limenitis arthemis astyanax, Limenitis archippus, Enodia portlandia missarke, and Danaus plexippus.

The next stop was the "Zip Track" site. The flowers were in bloom and butterflies abounded. Euphyes dukesi and Atlides halesus were found. Euphyes dukesi has not been found at the Zip Track site since 1999 when it was found in some numbers.

While the others visited the Zip Track site, Leroy Koehn decided to set out some light traps at Gerald Burnett's location in Carlisle County. Leroy along with Mike Muller and Gerald Burnett drove to Carlisle County and set out three light traps. They returned to Streetman's Massac Creek Bottoms to set-up Leroy's Light Rig and prepare the cook out.

While everyone else was at the Zip Track or setting out Light Traps, Eillen Segebarth was on the "go" getting the food for the cookout. All arrived at the Massac Creek within minutes of each other. Leroy set up his lights, Eillen Segebarth and Bill Black prepared the food, and at about dark, food and moths were enjoyed. The food was excellent and plentiful, the moths could have been better. Almost a perfect night!

Sunday morning found Leroy on his way to Carlisle County before sun rise. He pick up Gerald Burnett in Bardwell and traveled down to the Westvaco W.M.A. near Burkley to recover his light traps. Some of the more notable species collected were Eumorpa fasciata, Eumorpa pandorus, Xylophanes tersa, Apantesis oithona, Apantesis parthenice parthenice, Schinia florida, Schinia lynxs, Cycnia oregonensis, Noctua pronuba, Papaipema nebris, Papaipema necopina, papaipema arctivorens, and Papaipema baptistia. Once Leroy's traps were sorted, Gerald returned home and Leroy traveled to Bunge Facility locations near Hickman to join the others.



Gerald Burnett enjoys a meal in the field!

Kevin, Ian and Craig Segebarth, Bill Black, Dr. Covell, and Yin-Rie Hicks left Paducah around 9AM to begin the journey to the Bunge Facility location near Hickman. Leroy, Bill and the Segebarth's had set out bait traps and bait buckets along a road next to the Mississippi River on Friday in hopes of collecting another hybrid Limenitis achippus/axtyanax. All of their efforts paid off when Dr. Covell found a hybrid back cross of Limenitis achippus/axtyanax in one of Leroy's bait traps. The bait traps contained hundreds of moths. Most of the Catocala moths were worn. However, Catocala vidua, C. amatrix, C. cara, C. Piatrix, C. paleonagema, C. nebulosa and C. subnata were all recorded.

By 3PM most of those who visited the Bunge Facility were on their way home. It was a great meeting. Visiting the Littleville Euphyes dukesi site was one of the great highlights of the meeting. The weather was perfect, the Lepidoptera were plentiful and the companionship was incredible.

NEWSLETTER UP DATE

It was a great summer. All three field meetings were successful, although late summer found the state in a severe drought, the fall field meeting found no shortage of Lepidoptera.

The annual meeting will be several weeks earlier than usual due to the U. of L. home football schedule and Dr. Covell's commitments. I encourage each of you to make an effort to attend. The key note speakers will be informative. (Cont. on Pg.# 40)

INTRODUCTION OF THE NEW NATURE LICENSE PLATE AT THE KENTUCKY STATE FAIR

The new "Nature" license plate was introduced at the Kentucky State Fair in Louisville this August. Dr. Covell, Ellis Laudermilk, Bill Black, Ian and Craig Segebarth were actively involved in manning the booth, passing out literature, and maintaining the live display of butterflies.

The new "Nature" license plate (See Fig.#1) will feature the State butterfly, The Viceroy. The new license plates will not be available until January 2003.

Prior to the fair, Bill Black, Ian & Craig Segebarth and Ellis Laudermilk joined forces to collect live Viceroy butterflies for the display. With drought conditions and day time temperatures in the upper 90's, this proved to be no easy task. Aided with bait traps and with the good luck of Bill Black, they collected approximately 30 individuals. Ellis Laudermilk returned to Frankfort with the precious cargo.

Ian and Craig Segebarth both entered insect collections in the Fairs 4-H Section. Ian received a blue ribbon and Craig a yellow.

As the fair came to a close, many of the Viceroy's in the display survived. The Viceroy, a very durable Kentuckian.



Craig Segebarth, Ellis Laudermilk, Ian Segebarth and Kenvin Segebarth at the Nature License Plat Booth at the Kentucky State Fair



Figure # 1
Kentucky Nature License Plate featuring the state butterfly, The Viceroy.
This is one of two proposed desins.

2002 DUES ARE PAYABLE NOW

Dues for calendar year 2003 are now payable. Members owing dues for 2003 are receiving a dues envelope with this newsletter. Your prompt attention will be greatly appreciated. Please note the amount is now \$12.00 per year. Those who have paid for 2003 or paid for years in advance are not being billed. -- Les Ferge, Treasurer.

The officers of the Society of Kentucky Lepidopterists encourage you to renew your membership for 2003. Take time and send your dues to the treasure today. We need your continued support.

(Newsletter Up Date Cont. from Pg. # 38:)

This is your Newsletter. We need the contributions of the members. Articles, field reports, news and notes of activities, photographs, especially color photographs are needed for the newsletter. All contributions to the newsletter will be acknowledged.

Beginning with Volume 29, the Newsletter will have a new format. The Officers Box on the front page will be moved to the inside. The feature article along with a color photograph or art work will become the front page. A copy of the new format will be presented at the annual meeting.

Your comments and suggestions are encouraged. Do you like or dislike the what you read and see in the Newsletter. Let us hear from you. Tell us what you think!

REPORTS FROM THE FIELD

Dr. Covell visited the Pine Mountain Settlement School in Harlan County at the foot of Pine Mountain. He led a group to the usual spots atop Big Black Mountain 28 September. He was surprised to find (as well as at Pine Mountain Settlement School) many Battus philenor, many of them were fresh. There were over seventeen of them nectaring on frost asters at the spot on the Virginia line where we had set up our lights during the field meeting in July. Another surprise was the presence of Phoebis sennae atop Big Black Mountain, as well as at Pine Mountain Settlement School. He reporting sighting Phoebis sennae as he drove back to Louisville in Leslie, Clay and Laurel counties.

There was not much else on Big Black Mountain, but he recorded: Hylephila phyleus, Pterourus glaucus, Artogeia rapae, Everes comyntas, Strymon melinus, Polygonia comma, and Junonia coenia. He reported that mothing at Pine Mountain Settlement School was poor, although he did get two species of Papaipema moths yet to be determined.

Leroy Koehn visited Red River Gorge in both Powell and Menifee counties to Light Trap for moths on the 27, 28 & 29 Sept. He reported collecting Papaipeme arctivorens, P.nbris, P.cerussata, P.rigida, P.necopina and four other species, including two of the new cane feeders that he was unable to identify. He also collected Agrius cingulatus, Manduca rustica, Eumorpha pandorus, Hyles lineata, Artace cribraria, Apantesis parthenice parthenice, A.figurata, Lacinipolia implicata, Cirrhoptanus triangulifer and Anticarsia gemmatalis. The latter, Anticarsia gemmatalis was extremely abundant. Butterflies of interest included: Charidryas nycties, Phoebis sennae, a very fresh female of Pterourus glaucus, and Celastrina ladon. The Celastrina ladon was a very fresh male, what species, subspecies or form it represents is unknown.

MEMBERSHIP UP DATE NEW MEMBER

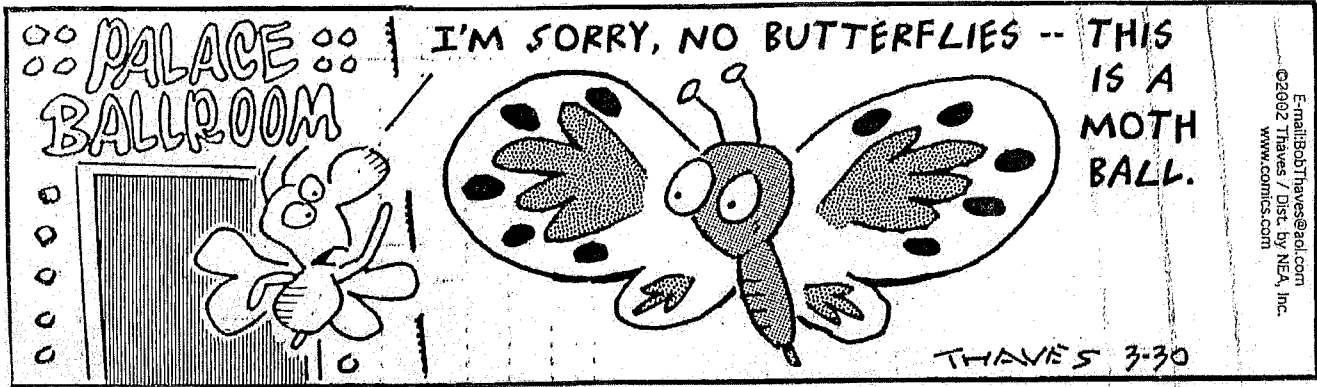
Irving L. Finkelstein, 425 Springdale Dr. NE, Atlanta, GA 30305-3816; HM: (404) 237-0694



The Segebarth Family, Eillen, Craig, Annie, Kevin & Ian, at the Kentucky State Fair
The collections of Ian & Craig in the back ground.

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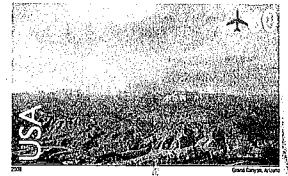
Cartoon sent in by Bryant Mather of Clinton, Mississippi.



THE SOCIETY OF KENTUCKY LEPIDOPTERISTS
 LEROY C. KOEHN, THE EDITOR
 202 REDDING ROAD
 GEORGETOWN, KY 40324



Loran & Pat Gibson pd2004
 2727 Running Creek Drive
 Florence KY 41042-8984



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