



southern lepidopterists' news



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THE OFFICIAL PUBLICATION OF THE SOUTHERN LEPIDOPTERISTS' SOCIETY ORGANIZED TO PROMOTE
SCIENTIFIC INTEREST AND KNOWLEDGE RELATED TO UNDERSTANDING THE LEPIDOPTERA FAUNA OF THE
SOUTHERN REGION OF THE UNITED STATES

CHAIRMAN: JEFFREY SLOTTEN

SECRETARY-TREASURER: TOM NEAL

EDITOR: LEROY C. KOEHN

FIELD HAZARDS TO LEPIDOPTERISTS: SPIDER BITES

VERNON BROU

(Editors note: This is the first of several articles by Vernon Brou on similar subjects that will appear in future newsletters.)

At least 50 species of spiders have been implicated in bites to humans. Most toxic reactions in the United States are caused by the Black Widow Spider, Latrodectus mactans, which is endemic to practically the entire United States, and the Brown Recluse Spider, Loxocleles reclusus, especially in the central and midwest areas of the United States.

Most spider bite deaths are caused by the Black Widow Spider. The bite may result in sharp pain and bleeding, accompanied by nausea, vomiting, shock muscular cramping, and possibly convulsions. Recovery from the acute reaction phase is usually complete within three days. Although, in survivors, muscle spasms, nervousness, and abnormal burning sensation can last for months afterwards.

Treatment of the actual bite site is not helpful. Antivenin is not usually used today but intravenous medications for cramping and pain are usually given.

The Brown Recluse Spider produces a localized reaction at the bite site, with progressively severe pain within eight hours. The bite site usually forms a flaccid vesicle, is inflamed, without blood and is replaced with a black lesion within a week. The lesion separates within two to five weeks, leaving a poorly healed skin ulcer that may result in keloid formation.

Fatalities are rare, but occur as the result of blood coagulation. Signs and symptoms of a Brown Recluse Spider bite may include: Cyanosis, rash, blood reactions, nausea, vomiting, jaundice, weakness, fever, chills, malaise, and delirium. Treatment may include intravenous and intramuscular medications. Total excision of the lesion is debatable.

Should you be bitten by a spider, capture the arachnid if possible and seek immediate medical treatment.

THE CONSTITUTION OF THE SOUTHERN LEPIDOPTERISTS' SOCIETY

The constitution was first published in 1983, Vol. 5 # 2. At the last business meeting the constitution was discussed. Several changes have been proposed. These changes will be discussed at the business session of the next Annual Meeting in Gainesville, Florida, October 4,5 & 6, 1991.

THE SOUTHERN LEPIDOPTERISTS' SOCIETY CONSTITUTION

ARTICLE 1 : NAME

- a. The name of this society shall be the Southern Lepidopterists' Society *.

ARTICLE 2 : TERRITORY

- a. For the purposes of the society, the "south" includes the states of Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and Virginia.

ARTICLE 3 : PURPOSE

- a. The purpose of the society shall be to help increase scientific knowledge and public awareness of the lepidoptera of the South.

ARTICLE 4 : MEMBERSHIP

- A. Membership in this society shall be open to any person or organization having an interest in the purpose of the society. Membership will terminate upon (1) death, (2) receipt by the Secretary-Treasurer of a written resignation, or (3) failure to pay dues within six months of due date.
- b. Application for membership should be made to the Secretary-Treasurer and should be accompanied by dues for one calendar year.

ARTICLE 5 : OFFICERS AND BOARD OF DIRECTORS

- a. The officers shall be: A Chairman, an Editor, an Editorial Assistant, a Secretary-Treasurer, and Zone Coordinators. These officers as a group shall constitute the Board of Directors.
- b. The Chairman shall annually appoint a nominating committee of five members of the society. The committee shall select at least one candidate for each office; obtain a written statement from the candidate of willingness to serve if elected; and submit a report of its work to the Chairman not less than 60 days prior to each annual meeting.
- c. The officers shall be elected by voice vote of the members present at the annual meeting, and shall serve from the following 1 January for one year. Duties of the officers shall be those normally pertaining to the respective offices.
- d. Officers shall serve without remuneration.
- e. The Board shall meet annually and at such other times as deemed necessary on call by the Chairman.
- f. Quorum for the board is five.
- g. Vacancies in the Board developing between annual meetings may be filled by the Board.
- h. Standing or ad hoc committees may be established by the Board; members thereof shall be appointed by the Chairman.

ARTICLE 6 : MEETINGS

- a. The society shall hold meetings at times and places selected by the Board of Directors. All meetings will be announced in the News and will be held not sooner than 30 days after the notice is mailed. There shall be an annual meeting at which officers are elected. The society's fiscal year will coincide with the calendar year.

ARTICLE 7 : AWARDS

- a. The John Abbot Award may not be given more often than once a year. The Board will submit a ballot containing names of three eligible recipients to the members with the announcement of the annual meeting. The candidate receiving the largest number of votes by return of this ballot to the Secretary-Treasurer will be the recipient. The award recognizes exceptional contribution to the purpose of the society through publication and otherwise. A person does not need to be a member of the society to be eligible. The names of those not receiving the award in any year will remain on the ballot the year following with at least one additional name being added annually by the Board. In the case of a tie, the candidate who has been in contention the longest will be selected.
- b. Additional awards may be presented to members for special efforts by action of the Board.

ARTICLE 8 : PUBLICATIONS

- a. The society shall publish and distribute to the members the following :
 - (1) Southern Lepidopterists' News (four times annually).
 - (2) Membership list (biennially).
 - (3) Bulletin of the Southern Lepidopterists' Society (intermittent).
- b. The publication program is the responsibility of the Editor and the Assistant Editor.

ARTICLE 9 : DUES

- a. The dues for each year will be set by the board for each class of membership.
- b. Dues notices will be distributed with the last issue of each Volume of the News for each calendar year.

ARTICLE 10 : POLICIES

- a. The society and its members, in carrying out activities in the support of its purpose, shall be guided by these policies :
 - (1) The society will cooperate with the Lepidopterists' Society.
 - (2) The society will encourage scientific publication by its members.
 - (3) The society shall function as a non-profit, non-political, educational organization.
 - (4) The society will encourage activity by members who are not professional entomologists.
 - (5) Members of the society are expected to follow ethical guidelines relative to collecting as developed by the Lepidopterists' Society.
 - (6) Members are encouraged to develop information on Lepidoptera and forward this to the Zone Coordinator for compilation and publication.
 - (7) Members are encouraged to establish affiliations with museums and educational institutions for the deposit and preservation of specimens.

ARTICLE 11 : AMENDMENTS

- a. This constitution may be amended by motion made, seconded, and passed by a majority vote of the members present at the annual meeting, and concurred in by a 3/4 affirmative vote of the board.

ARTICLE 12 : DISSOLUTION

- a. In the event that this society should cease to exist, all of its assets shall be liquidated as follows:
- (1) All outstanding debts shall be paid promptly
 - (2) All remaining assets shall be given to the Lepidopterists' Society.

* The SOUTHERN LEPIDOPTERISTS' SOCIETY was founded in Gainesville, Florida on 18 November 1978, and the name was established at this meeting.

A PARASITE OF CALLOSAMIA SECURIFERA**HERMANN FLASCHKA**

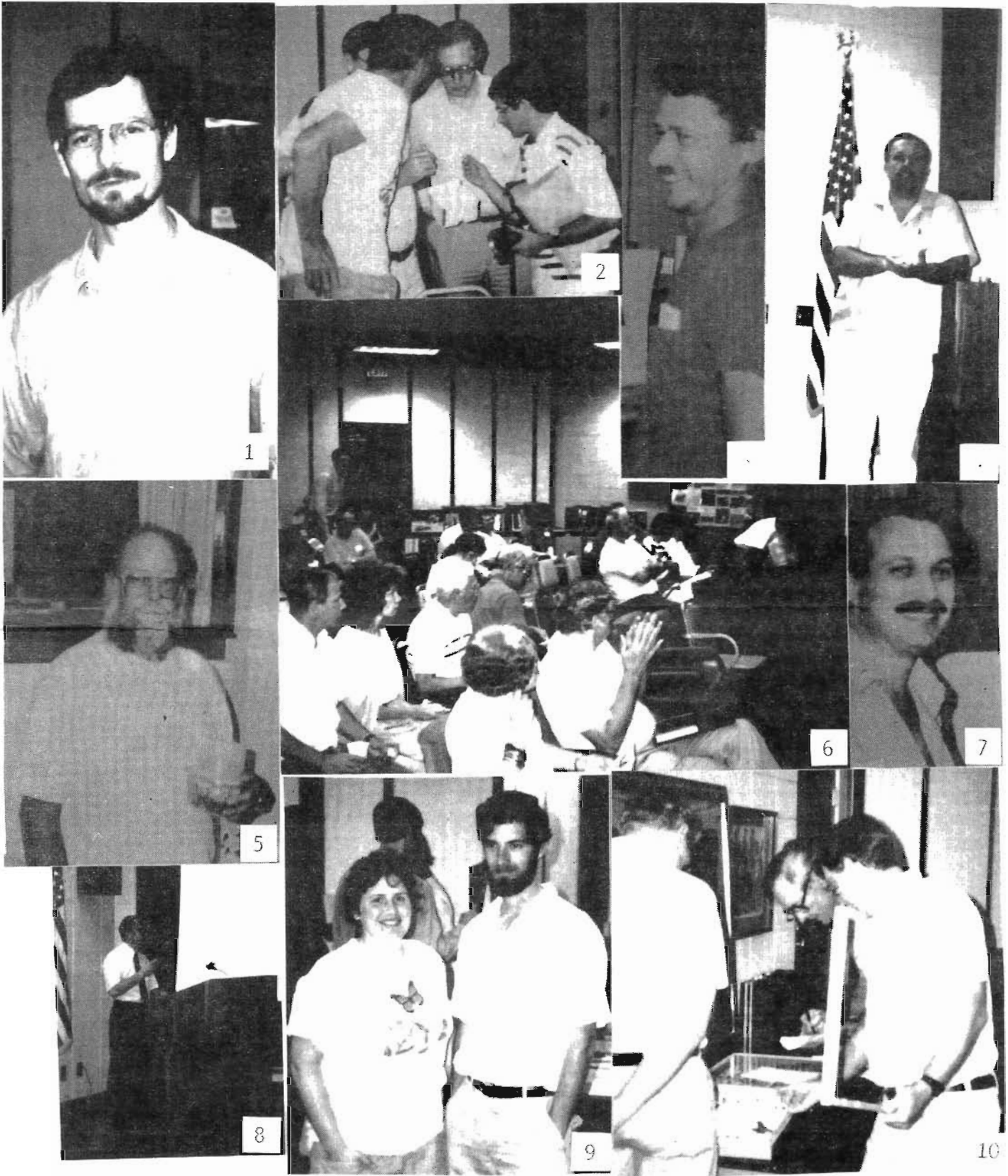
Since information about Callosamia securifera is rather scarce it may be of interest to report on a parasite of this moth. I collected some cocoons in February of 1972 in the Francis Marion National Forest near McClellanville, Charleston County, South Carolina. The cocoons released in April a parasite that I sent to the late Dr. Henry Townes of Ann Arbor, MI, to whom I am indebted for the determination. It is Enicopilus americanus Christ. "....a common parasite of various Saturniidae, though I have not seen a record from Callosamia securifera." (From his letter).

SPRING MEETING REPORT**JEFFREY A. SLOTTEN**

The Southern Lepidopterists' Society Spring Meeting was held on April 5, 6 & 7, 1991 in Gainesville, Florida at the Florida State Collection of Arthropods. This was a special event since it was held jointly with the first annual meeting of the Association for Tropical Lepidoptera.

The registration for the meeting began Friday afternoon and was handled by our hosts Dr. John Heppner and his wife. A reception was held in the Doyle Conner Auditorium from 4:30 PM to 7:00 PM. Food and drink were available buffet style. The collection was open for viewing.

On Saturday morning the two groups met. The Association for Tropical Lepidoptera began with a symposium on Tropical Diversity. Tom Emmel of the University of Florida began the session with a paper on Species Diversity of Butterflies and Biological Conservation in Rondonia, Brazil. An outstanding slide presentation illustrated the paper on preserving the unique tropical habitats of the region. John Heppner of the Florida State Collection of Arthropods presented a paper, An Overview of the Lepidoptera Fauna of Taiwan and its Diversity. Alma Solis of the USDA/USNM, Washington, D.C. presented a paper, Pondering Neotropical Pyralidae: Past, Present, and Future. This is a family of moths that is in need of serious study. P.J. Schappert and J.S. Shore of the York University, North York, Ontario, Canada presented a paper, The Biology of Euptoieta hegesia (Nymphalidae) in Jamaica: Results of Preliminary Study. This paper was well illustrated with color slides. John Heppner of the Florida State Collection of Arthropods presented a paper, Project Wallace and Lepidoptera Diversity in Sulawesi, Indonesia. Mark Scriber of East Lansing, Michigan presented a paper, Papilio glaucus and the Rearing Studies of the Group. It raised many question regarding this group. Is there more than one species of Papilio glaucus? P.J. Schappert of York University, North York, Ontario, Canada presented a paper, The Size and Shape of Butterfly Wings: On the Relationship Between Mate-Location Behavior and Wing Morphology. Leroy Simon provided a magnificent slide presentation of his rearing work on native and tropical species of Sphingidae and Saturnidae. His photography work is exceptional!

PHOTOGRAPHS FROM THE SPRING MEETING IN GAINESVILLE

1. Charlie Stevens (He is finally married!) 2. Jeffrey Slotten, Jack Heinrich, Paul Milner and Dave Baggett (partially blocked from view) are checking out a moth. 3. Woody Dow. 4. Leroy Koehn talks on his favorite subject, traps! 5. John Kutis with larvae. 6. Meeting in session. 7. Ira Nadborn. 8. John Heppner opens the meeting. 9. A nice lot of Lott's, Deborah Matthews Lott and Terry Lott. 10. Paul Milner and Dave Baggett help Jack Heinrich identify his UFO's.

Following a break for lunch and a group photograph the afternoon session was conducted by the Southern Lepidopterists' Society. Leroy Koehn presented a paper, Bait Traps, Light Traps, Pheromone Traps and More! He demonstrated a Light Trap and provided information on its construction and design. Jeffrey Sloten of Gainesville, Florida discussed the Catocala rearing activities of his and those of Dave Baggett and Rick Gillmore. The discussion was accented with color slides, some illustrating larvae which were previously unknown. Marc Minno gave an excellent presentation of his field work in Florida, especially the Hesperiidae and was well illustrated with many color slides.

After the presentation of papers and talks, Jeffrey Sloten and Leroy Koehn addressed the membership concerning the Annual Meeting in Gainesville. A nominating committee consisting of Deborah Matthews Lott, Jack Heinrich, and Marc Minno were appointed to find candidates for the election of officers to be held at the Annual Meeting. Jeffrey Sloten thanked everyone for attending and those who helped put the meeting together or presented papers or talks. The meeting was then adjourned.

Following the meeting, a banquet was held at the Holiday Inn West in Gainesville. This was followed by a slide presentations by Tom Emmel, Marc Minno, Dave Baggett, and P.J. Schappert. John Heppner and his daughter presented the door prizes to close out the evening.

On Sunday morning a small group of collectors, led by John Heppner, traveled to Cedar Key for a day in the field.

It was a great meeting! Plan now to attend the Annual Meeting in Gainesville this fall.

1991 JOHN ABBOTT AWARD NOMINEES

Enclosed in this issue is the John Abbott Award ballot. The officers of the Southern Lepidopterists' Society have nominated the following candidates to receive the John Abbott Award. These nominees have made major contributions to the knowledge of the Lepidoptera of the southern region of the United States. The following candidates have been nominated;

Dr. Howard V. Weems, Curator of the Florida State Collection of Arthropods, Division of Plant Industry, Fla. Dept. of Agriculture. Although Dr. Weems major interest is in Diptera, he has a strong interest in Lepidoptera. Dr. Weems has been a strong supporter of the Southern Lepidopterists. He has encouraged many of our members to excel in the field of lepidoptera by inviting them to become research associates. He has also challenged us to advance the knowledge of the Lepidoptera in the southern region.

Dr. Douglas C. Ferguson, Research Entomologist with the Systemic Entomology Laboratory, Agricultural Research Service, located at the National Museum of Natural History, Washington, D.C. Dr. Ferguson is author or co-author of about 90 publications. These include large works on Geometridae, Arctiidae, Lymantriidae, and Saturniidae. Dr. Ferguson is actively involved in the MONA project and has been one of it's major contributors.

Vernon Brou, researcher and collector for over 30 years of all Louisiana insects, especially moths. Special interest in designing, fabricating and testing of various insect traps and equipment. Contributor to entomological museums world wide and a major contributor to the Florida State Collection of Arthropods. Author and co-author of several articles on Lepidoptera. Employed as a Registered Nurse, Southern Baptist Hospital, New Orleans, Louisiana.

Enclosed with the Newsletter is a ballot. Please vote for only one and return before September 1, 1991 to; Tom Neal, Secretary/Treasurer, 1705 N.W. 23rd Street, Gainesville, FL 32605

MEETING ANNOUNCEMENTS

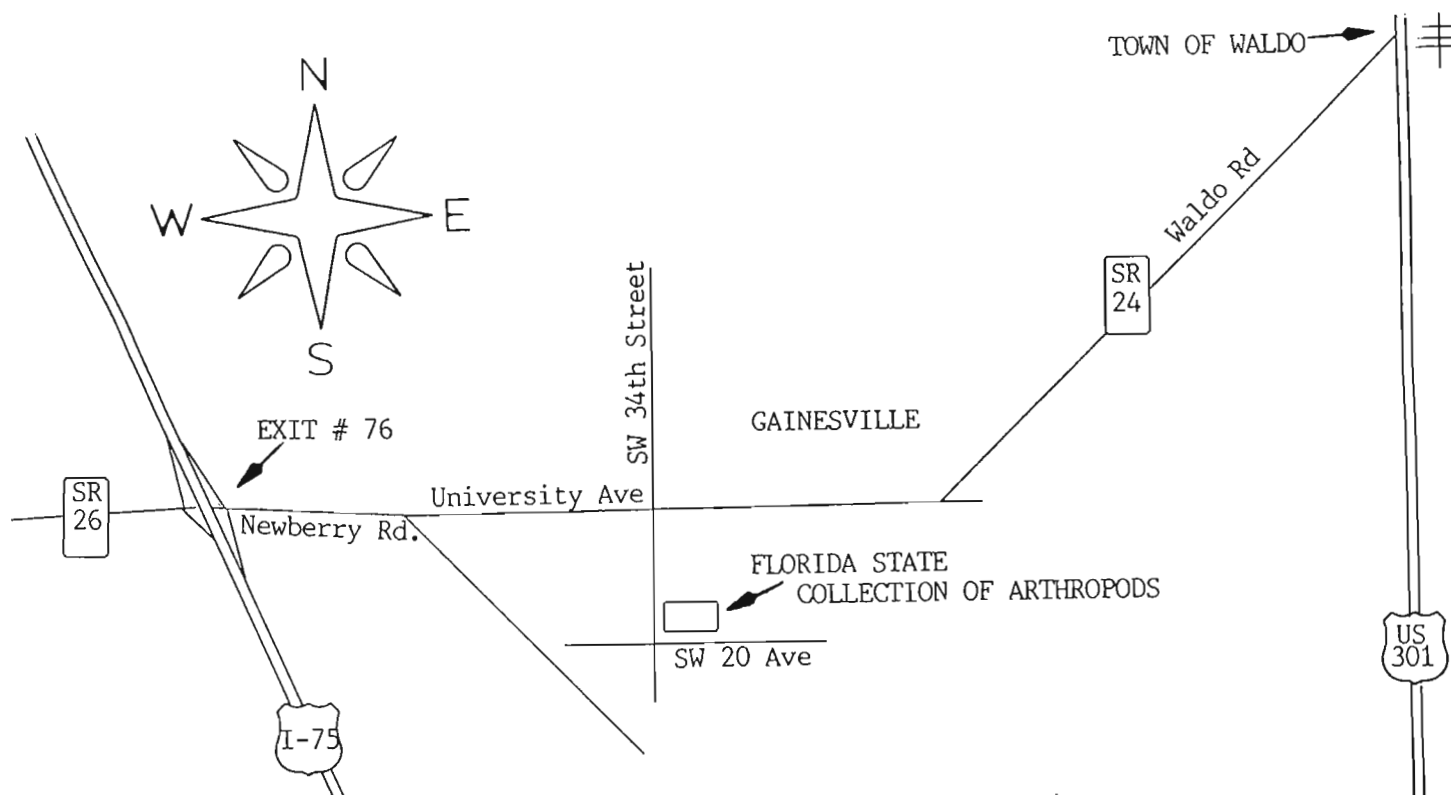
SOUTHERN LEPIDOPTERISTS' SOCIETY MEETING ANNOUNCEMENTS

SOUTHERN LEPIDOPTERISTS' SOCIETY ANNUAL MEETING IN GAINESVILLE, FLORIDA OCTOBER 5-6, 1991

The 1991 annual meeting of the Southern Lepidopterists' Society will be held at the Doyle Conner Auditorium, Florida State Collection of Arthropods in Gainesville, Florida the weekend of October 5-6, 1991. For directions see the map below.

The collection will be open on Saturday at 9 AM for viewing and identification of specimens. You are encouraged to bring specimens that you are unable to identify, Dave Baggett, Marc Minno, Leroy Koehn, Dale Habeck, John Calhoun and others will be on hand to help you. There will be two work shops at 10 AM. The first will be conducted by John Heppner on Genitalia Preparations, and the second by Leroy Koehn on spreading and mounting Lepidoptera. If you plan to participate in one of the work shops, please let me know in advance so that we may make the arrangements for equipment.

MAP AND DIRECTIONS TO ANNUAL MEETING AT THE FLORIDA STATE COLLECTION OF ARTHROPODS (FSCA)



From US 301 turn west on Waldo Rd./S.R.24 to Gainesville. Turn right onto University Ave. Follow University to S.W.34 St. Turn right onto SW 34 St. and go south to the traffic light at SW 20 Ave. Turn right FSCA parking lot.

From I-75 use Exit # 76 to Newberry Rd, east on Newberry Rd. to University Ave. East on University to S.W. 34th St. Turn left onto SW 34 St. and go south to the traffic light at SW 20 Ave. Turn right into FSCA parking lot. Watch for Southern Lep. Logo signs to guide you.

The Meeting will begin at 1 PM on Saturday in the main Auditorium. Featured speakers will be Dale Habeck and Marc Minno. Dale will talk on his work with Strymon acis bartrami and Anaea floralis in the Lower Florida Keys. Marc will talk on Lepidoptera of the Upper Florida Keys. There will be a "Show and Tell" session after the speakers. Bring your slides anecdotes, observations, equipment ideas, etc. and share them with the rest of us. I would appreciate your letting me know in advance what you have to present so I can work out the timing. The business meeting will follow with the election of officers for the coming year.

The nominating committee has presented the nominees for the officers for 1992.

CHAIRMAN	EDITOR	SECRETARY/TREASURER	EDITORIAL ASSISTANT
Jeffrey Slotten	Leroy C. Koehn	Tom Neal	Marc Minno
John Calhoun	Dave Baggett	Jack Heinrich	

If you are interested in serving as an officer, please contact; Marc C. Minno, 303-18 Diamond Village, Gainesville, FL 32603, before Sept. 15, 1991.

We will also determine the goals and direction of the Society. The John Abbott Award will be presented. Door prizes will be awarded followed by the banquet.

Following the banquet, there will be a slide fest. Anyone with interesting slides of Lepidoptera, lepidopterists or collecting adventures are encouraged participate.

Field trips are planned for Sunday in the Gainesville area for those interested in collecting butterflies.

There are numerous hotels and motels in the Gainesville area. Although this is a college town, there is no home football game that weekend. Enclosed with the newsletter is an advance registration form. Please fill out the form and return it to the Secretary/Treasurer, Tom Neal, 1705 N.W. 23rd Street, Gainesville, Florida 32605. Also, should you need information on local accommodations or directions to the meeting, contact: Jeffrey Slotten, 5421 N.W. 69th Lane, Gainesville, Florida 32606. Telephone (904) 338-0721, evenings.

This will be an exciting meeting, PLAN TO ATTEND NOW!!!

FALL FIELD MEETING TO ALABAMA

We had planned to have a Field Meeting in addition to the Annual Meeting. However, due to several scheduling conflicts and the moon phase it was decided the we forgo this meeting.

THE LEPIDOPTERISTS' SOCIETY ANNUAL MEETING

The 42nd annual meeting of the Lepidopterists' Society will be held in Tuscon, Arizona Thursday, August 1 to Sunday August 4, 1991. Sonoran Arthropod Studies, Inc. and the University of Arizona's Department of Entomology will host the meeting at the Quality Inn University in Tuscon. For additional information contact: Steve Prchal, Sonoran Arthropod Studies, Inc., P.O. Box 5624, Tuscon, Arizona 85703, Telephone 602-883-3945.

CHANGES IN THE MEMBERSHIP

TOM NEAL

NEW MEMBERS

K. L. Casses, 6000 McClure Rd., Fairburn. GA 30213

Boyce A. Drummond, P.O. Box 9061, Woodland Park, CO 80866

Linden Trail, Missouri Dept. of Conservation, 1110 S. College Ave., Columbia, MO 65201

ADDRESS CHANGES

Dr. Thomas Stelnicki, 6545-2 Ridge Rd., Port Richey, FL 34668

Katherine Wildman, 3977 Condit Rd., Sunbury, OH 43074

NEWSLETTER UP-DATE

I still need your input to make this an informative and interesting newsletter. Any articles and items of interest are needed. Remember, this is your newsletter. It will be only as good as you make it.

The deadline date for the next issue (No.3) is Sept. 30. All articles and items for inclusion must be received before the deadline.

I am interested in creating a list of all regional Lepidopterists' Societies in the United States, Canada, Mexico, as well as Central and South America. If you are a member of such an organization, please send your Editor any information you may have. The list will appear in Vol 13 No.4

TREASURERS REPORT FOR 1990**TOM NEAL**

	Beginning Balance	Bank Charges	Award Expenses	Meeting Expenses	Postage	Printing	Bank Deposits	Ending Balance
JAN	\$567.95							\$567.95
FEB	567.95	2.60				105.97		459.38
MAR	459.38	2.00						457.38
APR	457.38	2.15				137.20	1341.00	1659.03
MAY	1659.03	2.00	77.32					1579.71
JUN	1579.71						200.00	1779.71
JUL	1779.71							1779.71
AUG	1779.71			780.00		166.83	40.00	872.88
SEP	872.88							872.88
OCT	872.88							872.88
NOV	872.88				90.00	82.62		700.26
DEC	700.26				140.00		643.00	1203.26
TOTALS		8.75	77.32	780.00	230.00	492.62	2224.00	

Ending Balance as of Dec. 31, 1990 1203.26

Total expenses	\$1588.69
Total income	2224.00
Surplus for year	\$635.31



Tom Neal
Secretary/Treasure

THIS-N-THAT & OTHER TIDBITS

There is great news for Sesiid collectors. The grape-root and squash vine borer pheromone is finally available commercially from Great Lakes IPM and will be listed in there new catalog. These pheromone also attracts oak-borers and at least ten other Sesiid species. This will make a total of six pheromone blends available commercially with the potential of attracting at least fifty of the North American species. For a free catalog contact: Great Lakes IPM, 10220 Church Rd.NE, Vestaburg, MI 48891.

Charlie Stevens and Gina Brown were married on July 12. Dave Baggett was the best man. It was a memorable event, to say the least. They plan to honeymoon in Hawaii, ALOHA!! Wedding photographs in the next newsletter!

The 1992 annual meeting of the Lepidopterists' Society will be held in East Lansing, Michigan. A symposium on state faunal surveys/conservation/species of special concern is being planned. Mo Nielsen has requested that we have one or two representatives from the Southern Lepidopterists to present papers/slide program from our region. Anyone interested should contact: Mo Nielsen, Michigan Entomology Society, Dept. of Entomology, Michigan State University, East Lansing, MI 48824 Telephone: 517-321-2192.

A book on the butterflies of Cuba is now available. The Atlas de las Mariposa Durinas de Cuba by Pastor Alayo D. and Luis R. Hernandez, 1987. A recent book review and a note on availability appeared in two recent issues of the Ohio Lepidopterists (Newsletter of the Ohio Lepidopterists' Society) Vol. 12 No. 4 and Vol. 13 No. 2. According to the availability note, the book can be obtained directly from Cuba. Your Editor ask a friend who is from Cuba, to try and get me a copy of the book. My Cuban friend's only comment was: if you will trust Castro with \$12.00 (the price of the book), you have more faith in him than I do! I will advise of my success. Or take your chances and send \$12.00 (American Dollars; no rubles) to: Cientifico-Tecnica, Habana, Cuba. Good luck!!

NEW PUBLICATION: A Guide to the Clearwing Borers (Sesiidae) of the North Central States by W.H.Taft & J.H.Snow. April, 1991. NCR Publication #394. This publication is intended for naturalists, horticulturists, nurserymen, and extension personnel who need a handy, color reference guide to this difficult-to-identify group of moths. Topics covered include: identification, host plants, pheromone attractants, trapping techniques, life cycles, flight periods and economic importance. The guide includes 35 large color plates, six line drawings and three informational tables. Many of the clearwing moths covered in the publication have geographic ranges that include the eastern seaboard and deep south.

For a copy, please write to: Publication Office, Cooperative Extension Service, Michigan State University, Room 10B Agricultural Hall, East Lansing, MI 48824-1039 (Price is \$7.50)

RESEARCH REQUEST & MEMBERS NOTICES

RESEARCH REQUEST: I will be working in Wise County, Virginia as a graduate student at Virginia Tech. I am doing research on butterfly populations on coal surface-mined sites (strip mines) in Southwest Virginia and the impacts of mine reclamation on these populations. I would like any information on the butterflies of southwest Virginia, especially species lists for Wise County and the general southwest Virginia region. I am also interested in population fluctuations and trends, growth and declines that might be attributed to the land disturbance and fragmentation in the Appalachian coal mining region of Virginia, Kentucky, or West Virginia. Contact Karen Holl, Center for Environmental Studies, Virginia Tech, Blacksburg, VA 24061-0415.

FOR SALE: Light Traps, 12 volt DC or 110 volt AC with 15 watt or 8 watt black lights. The traps are portable and easy to use. Rain drains and beetle screens protect specimens from damage. For a free brochure and price list contact; Leroy C. Koehn, 2946 N.W. 91st Ave., Coral Springs, FL 33065.

RESEARCH REQUEST: Any butterfly records from the Florida Keys, even for common species. Data for Key Largo and Big Pine Key are rather extensive. For many of the other Keys very limited information on species composition and distribution exists. Any and all information would be greatly appreciated. Contact; Marc Minno, 303-18 Diamond Village, Gainesville, FL 32603.

RESEARCH REQUEST: 1.) Need specimens to study of Megathymus cofaqui from mid-to-southern Florida. I have examined the "type" specimen of M.cofaqui in the Allyn Museum and need additional specimens from these localities to determine the validity of applying the name "cofaqui" to the Florida phenotype. All material will be returned in two weeks from receipt.

2.) I have been studying Incisalia irus for 15 years. I have examined the "types" of Incisalia irus arsace in the USMN and located the Incisalia irus "type specimen" in the Paris Museum. I have examined several hundred specimens of I.irus from through out its range. I need additional specimens of the recently found Clay County, Florida population. I need fresh wild caught (have worn wild caught) and reared specimens. Can offer in exchange reared specimens of both I.i.arsace and I.i.hadros. Write to: Ron Gatrell, 126 Wells Rd., Goose Creek, SC 29445

LATEST ILLUSTRATED 12-PAGE WORLDWIDE CATALOG: includes Lepidoptera specimens from South America, Africa, Europe, and the Far East regions. Serving Lepidopterists worldwide since 1976. Beginners to experienced collectors will find species of interest. Examples include Morpho rhentenor male/female, Morpho insularis male/female, Morpho titei male/female, Morpho godarti male/female, Prepona buckleyena, Papilio warscewiczii, Papilio cacicus, Graphium stresemanni, Papilio antimachus, etc. Books and entomological pins. **WE OPERATE PERSONALIZED ENTOMOLOGICAL, NATURALIST, AND BIRDER TOUR PROGRAMS.** Latest catalog \$1 or one year's monthly list via airmail \$6. **TRANSWORLD BUTTERFLY COMPANY**, Apartado 6951, 100S San Jose, Costa Rica, Central America.

LIGHT TRAPS FOR SALE: Single bulb mercury vapor models in 1000, 400, and 175 watt sizes, combination MV and Blacklight models made to order. 60 to 2220 watts. Contact; Vernon Brou, 74320 Jack Loyd Rd., Abita Springs, LA 70420.

CURRENT ZONE REPORTS

ZONE I TEXAS: Coordinator, Ed Knudson, 808 Woodstock, Bellaire, TX 77401

Your zone coordinator has been busy moving into his new home and has little time to "get out among them". However, he did manage to collect a few moths in Burharts Woods, Houston, March 1 - April 15:

Heliozelidae: Heliozela ssp. near aesella (New Texas Record); Tinedae; Nemapogon rileyi (common); Gracillariidae: Phyllonorycter rileyella, Cameraria cincinnatiella; Oecophoridae: Menesta melanella, Decantha boreasella (very common); Tortricidae: Retinia geministrigulana, Corticivora, Cydia albimaculana (New Texas Record), Archips georginia; Saturniidae: Actias luna (only one male seen, sat at light for 4 days); Noctuidae: Properigea tapeta, Elaphria versicolor, Phosphila turbulenta, and Egira alternans.

ZONE II ALABAMA, LOUISIANA, MISSISSIPPI, & TENNESSEE: Vernon Brou, 74320 Jack Loyd Rd., Abita Springs, LA 70420; Bryant Mather 213 Mt. Salus Dr., Clinton, MS 39056; Mecky Furr, 7926 Cross Pike, Germantown, TN 38138.

Brou reports that well over 60 inches of rainfall in 4 1/2 months has made collecting difficult in southern Louisiana. An April hail storm producing golf ball size hail stones ripped the leaves off many trees killing untold number of larvae. Despite the daily and nightly rains, 5 light traps and 9 bait traps were in continual operation, however, the total number of insects was down considerably.

Brou reported collecting in the Johnson Bayou, Cameron Parish, Sept. 14, taking over 130+ sphingids and numerous schinia species.

Brou reported a second Louisiana record of Eudocima materna (Male). It was taken 4.2 miles north east of Abita Springs during May 1991 with a 400 watt MV light trap operating at a height of 27 inches above the ground. The state record, a female, was collected at the same location in March of 1990 in a light trap with a 400 watt MV and four 15 watt blacklight at a height of 18 inches above the ground.

Brou and Lefort collected at Red Dirt National Wildlife Refuge, Kisatchie National Forest, Natchitoches Parish, Sept. 21, taking over 50 sphingids and numerous parish records for noctuids.

ZONE 111 GEORGIA: Irving Finkelstein, 425 Springdale Dr. N.E., Atlanta, GA 30305

Dr. James K. Adams of Dalton, Georgia filed a lengthy report on his collecting activities in the mountains of north west Georgia.

Dr. Adams recently moved to north Georgia (August, 1990) from Lawrence, Kansas and has found the collecting intriguing, especially in terms of moths. Collecting in Whitfield County he found the following: Incisalia nippon, 24 March 1991, Urbanus proteus, Sept 1990, Lapara coniferarum, Sept 1990, Manduca jasmineearum, 19 Sept. 1990, Citheronia sepulchralis, July-Sept 1990, Eacles imperialis, Sept 1990, Catocala coccinata, 30 June 1990, C.flebilis, C.ulalume and C.vidua, Sept-Oct 1990, Zale horrida, Z.calycanthata, Z.helata, Z.bethunei, Z.metoides, Z.lunifera, Z.unilineata, Z.aeruginosa and Z.lunata, all March 1991, Lacinipolia implicata, Sept-Oct 1990 to late April 1991, L.laudabilis, and L.olivacea, 26 April 1991, Allotria elonympha, abundant throughout the year, except Nov-Feb, Xystocheilus rufago, Baileya levitans, and Balsa tristrigella, 6 April 1991, Eupsilia vinulenta, 8 Jan-6 April 1991, Cerastis tenebrifera, 25-26 March 1991, Hypsoropha monilis, 26 March-17 May 1991, H.hormos, 13 May 1991, Lithacodia concinnimacula, 14 May 1991, Phlogophora periculosa, 5-12 Oct 1990, Scoliopteryx libatrix, 5 May 1991, Ellida caniplaga, 28 March 1991, Crambidia lithosioides, Sept 1990, 26 April 1991, Holomelina opella, 13-24 Sept 1990, 5 May 1991, Leucanopsis longa, 24 Aug-27 Sept 1990, Pseudothyatira cymatophoroides, 23 Aug-15 Sept, 27 April 1991, Oreta rosea, 27 Oct 1990, 5 May 1991, Pero hubneraria (Abundant, warm months of year), P.zalissaria, 4 Oct 1990, Plagodis alcoalaria, P.phlogosaria, and P.fervidaria, March-early April 1991, Metarranthia obfirmaria, 13 April 1991, Probole nyssaria, March-April 1991, Selenia kentaria, 26 March, 13 April 1991, Nacophora quernaria, March-April 1991, Epimecis hortaria, (abundant most months), Ethmia zelleriella, 14 April 1991, Isa textula, Parasa chloris, Euclea delphinii, Apoda y-inversum, A.biguttata, Tortricidia testacea, (various date between Aug and Oct 1990), Callosamia angulifera, Aug-Sept 1990, April-May 1991, Schecodina abbotti, April-May 1991, Deidamia inscripta, March 1991, 18 May 1991; late record, Apatelodes torrefacta, 8 Sept 1990.

Dr Adams collected some rare species including; Poanias astylus, 4-19 Sept 1990, Olceclostera angelica, 8 Sept 1990, 18 May 1991, Anisota senatoria, 4 Sept 1990, Lacosoma chiridota, 5 May 1991, Feralia major, 8 Jan-28 March 1991, Eutolype grandis, 27 Jan-2 March 1991, Orthosia garmani, 11 March 1991, Harrismemna trisignata, Sept 1990, Tricholita signata, 23 Aug-6 Oct 1990, Callopietria cordata, 8 Sept 1990, C.mollissima, 15-17 May 1991, Anomogyna dilucida, 10 Oct 1990, Agriopodes fallax, 19 April 1991, Leuconycta lepidula, 14 April-13 May 1991, Paectes oculatrix, 13 May 1991, Panthea furcilla, 19 April-14 May 1991, Chrysanympa formosa, (possible STATE record) 5 May 1991, Hyparpax aurora, 18 May 1991, Euthyatira pudens, 25 March-April 1991, Ceratomyx satanaria, 2-20 March 1991, Caripeta aretaria, 14 Sept 1990, Erannis tiliaria, 28 Nov-4 Dec 1990, Plagodis serinaria, 8-13 April 1991, and three undetermined Lithophane and two Erastris ssp. Dr. Adams collected near Blue Ridge, Fannin County and found Clemensia albata, Sept 1990, and Copipanolis styracis, 19 March 1991. At Cooper Creek Recreational Area, Fannin/Union County in Late August, he found Speyeria diana, Polygonia faunus smythi, and Lethe appalachia. At Pigeon Mountain Recreational Area, 10 km SW of Lafayette, Walker County, he collected Thyris sepulchralis, Psychomorpha epimenis, Cyllopsis gemma gemma, Amblyscirtes hegon, Atrytonopsis hianna, Pieris virginienensis, and Glaucopsyche lygdamus lygdamus, in late March and early April.

Dr Adams also found another extremely productive location on Taylor Ridge, Hwy. 136, 9 km W of Villanow, Walker County. Many swallowtails were very abundant, (P.glaucus, P.troilus, B.philenor, and E.marcellus), Paramidea midea midea, Cyllopsis gemma gemma were extremely abundant. P.m.midea numbered in the hundreds during each visit in March and April. He also collected Incisalia niphon and I.henrici. On the top of the ridge he found a large colony of Pieris virginiensis.

ZONE IV FLORIDA: Dave Baggett, 403 Oleander Dr, Palatka, FL 32077

Dave Baggett reported that he has had exceptional input for many species this spring, although as usual it is the same principal core of field workers providing reports. He received many interesting accounts of collecting activities. Virtually all butterfly reports represent new county records, otherwise the report would have been extremely long and consumed several pages. Likewise, moth reports are for those which provide the most interest.

John Calhoun continues to provide leadership and exceptional interest in the Florida butterfly distributions: virtually all the following are new county records.

Calephelis virginiensis, 25 Feb., S.R. 471 near the Green Swamp, Sumter County; Incisalia henrici margaretae, 14 Mar., S.R. 471 near the Green Swamp, Sumter County; Vanessa cardui, 5 Mar., Hillsborough County; Mitoura gryneus swadneri, 14 Mar., Green Swamp near the Withlacoochee River on S.R. 471, Polk County (also a southern range extension); Megisto cymela viola, 11 Mar., Green Swamp near the Withlacoochee River on S.R. 471, Polk County; Euphyes dukesi, 12 May, Sumter County, and 17 May, Polk County; Wallengrenia egeremet, 12 May, Sumter County; Thorybes confusus, 13 April, Sumter County; Pieris protodice, 27 April, Brevard County; Atlides halesus and Parrhasius m-album, 25 May, Polk County; Asterocampa clyton flora, 12 May, Polk County; Libytheana bachmanii, 13 April, Citrus County; Euptoieta claudia, 17 May, Bay Lake, Lake County; and Polygonia interrogationis, ovipositing on Boehmeria cylindrica, 25 May, Osceola County. John also reported the capture of the following moths: Deidamia inscriptum, 11 Mar., Sumter County; and Melanchrois cephise, 13 April, Citrus County.

Fig.#1 Left to right. John Peacock, Roger Zebold, Leroy Koehn, & John Calhoun. Photo by Jeffrey Slotten.

Three former Ohioans (Peacock, Koehn & Calhoun.) and a Ohio Native (Zebold) meet in the woods around McKethan Lake, Withlacoochee State Forest



John Calhoun, Roger Zebold (Wilmington, Ohio), John Peacock (Hamden, CT), Leroy Koehn, Jeffrey Slotten and Rick Gillmore invaded the McKethan Lake area of Withlacoochee State Forest, Hernando County on Saturday, April 13. It was like an old home day for a bunch of former Ohioans. Although the conditions were excellent the collecting was rather poor. However, Betty Koehn provided a great lunch and the fellowship was outstanding. Who said you had to collect choice species to have a good day in the field? Unless you come all the way from Connecticut to collect!

Jeffrey Sloten reported the capture of a pair of Harkenclenus titus mopsus near Wakulla, Wakulla County on 19 May, visiting Butterfly Weed, and he also photographed one. He also took the third known Florida specimen of Sphinx kalmiae at Torreya State Park, Liberty County on 8 June. He also collected Ceratomia amyntor, Catocala coccinata and C.praeclara charlottae from Gainesville, Alachua County during April and May.

Richard Gillmore provided records for the following: Incisalia henrici margaretae, 7 May. S.R.100 west of I-95, Flagler County; Moths taken in Sanford, Seminole County include Lepipolys perscitra on 20 Feb.; Lacinipolia erecta, 19 Feb.; Fagitana littera, 18 Feb.; Acronicta lanceolaria, and A.noctivaga, 24 -25 Mar.; Trichoclea vindemialis, 19 Feb.; Collecting with John Kutis in Marion County on 12 March he reported Eutelia pulcherrima and Cisthene tenuifascia.

Charlie Stevens reported Seirarctia echo in March from New Smyrna, Volusia County.

John Kutis continues his excellent moth surveys of the state, and has barraged the zone coordinator, Dave Baggett, with so many new and important records that it is becoming virtually impossible for any body to keep up with him anymore, much less report his collecting activities. However, a brief summary of some of his most interesting records are as follows: March, Marion County (he also provided records for two of the latter from Lake County in March by Leroy Simon); Sphinx gordius, 13 April, Apalachicola National Forest, Liberty County; Nemoria mimosaria, 28 Feb., Santos, Marion County; Contiger vittitalis, 7 April, Marion County and 13 April. Apalachicola National Forest, Liberty County; Blepharomastix apicalis, several localities in Marion County during April. Diathrausta harliquinialis lauta, May, Marion County; Catocala jair, June, Marion County; Schizura apicalis, Satronia tantilla and Eucosma gomonana, April, Ocala National Forest; Schinia jaguarina, May, Marion County; Eucosma gigantea, May, Hernando County; Eucosma guttulana, May, Marion County.

Young William Nix continues to explore his home county and provides more information than many regulars: On 2 Jan. he found Calpodus ethlius, Cymaenes tripunctus, and the recently introduced Arctiid Empyreuma affinis at Barwick Park, Palm Beach County; Battus polydamas and Junonia evarete at Rutherford Park, Palm Beach County. On 3 March he collected Xylophanes tersa Protambulyx strigilis and P.carteri on shopping center walls in Boca Raton, Palm Beach County. He found Dryas iulia, Marpesia petreus, Phocides pigmalion okeechobee and Strymon columella modesta, 22-23 March, Gumbo-Limbo Nature Center, Palm Beach County; He collected Fixenia favonius, 7 April, Delray Beach, Palm Beach County. Keep up the good work!

Leroy Koehn reported a wet winter and spring in south Florida with rains well above normal. The wet conditions have brought out the best of the mosquitos in May and June making collecting nearly impossible. On several trips to the Homestead area and the Keys, the mosquitos virtually drove him from the field.

Collecting in several localities near Homestead Leroy reported the white hind wing form of Eurema दौरा दौरा were very common in June. Vanessa virginienensis was also common during May.

Leroy Koehn collected in several large stand of slash pines in Dade County and reported the following: Strymon acis bartrami, Anaea floridalis, Cosmosoma myrodora, Syntomeida ipomoeae, Pseudocharis minima, Pygarctia abdominalis, and Seirarctia echo, 29 April, 4-5 May, 22 May. In a small stand of slash pine in Palm Beach County he found Atrytonopsis loammi on 26 May.

On a sour note, two members, both relative newcomers to Florida discovered the hard way that butterfly and moth collecting in the Florida Keys is not what it use to be. Both had very unpleasant encounters with wildlife management officers. Permits are required to collect on any State or USF&WS land in the Keys. Even with the proper permits, you MUST clear your visit well in advance. (cont. on Pg.#26)

DEEP IN THE MOTHY WOODS, -EDGAR THE HOMELESS CAT
OVERHEARS A CONVERSATION:



Collecting near the park boundary lines is not a proper reflection on this group. Although they may have been legally in the right, they were not acting in the best interest of the collecting community and our society. Both used their Southern Lepidopterists' Society membership as their right or reason to collect on or near protected lands.

We certainly hope that this is the last incident involving any of our members, especially those from out of state who are not currently clear on the new restrictions. Individual actions reflect on the entire collecting community, and those of us who do respect the rules are becoming increasingly agitated with those who don't. There is too much at stake to allow a few thoughtless and reckless collectors to ruin any legitimate activity for the rest of us.

ZONE V VIRGINIA, NORTH & SOUTH CAROLINA; Bob Cavanaugh, P.O. Box 734, Morehead City, N.C. 28557, Ron Gatrelle, 126 Wells rd., Goose Creek, S.C. 29445.

No report!

ZONE VI ARKANSAS; Mack Shotts, MD, 514 W. Main St., Paragould, AR 72450.

No report!

The Southern Lepidopterists' News is published four times annually. Membership dues are \$10.00 annually. The organization is open to anyone with an interest in the lepidoptera of the southern United States. Information about the Society may be obtained from the Secretary-Treasurer, Tom Neal, 1705 N.W. 23rd Street, Gainesville, Florida 32605

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