



# Southern Lepidopterists' **NEWS**

EST. 1978

*Official Newsletter of the Southern Lepidopterists' Society*

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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

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LEROY C. KOEHN: EDITOR

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## 1999 ANNUAL MEETING OF THE SOUTHERN LEPIDOPTERISTS' SOCIETY IN GAINESVILLE, FLORIDA 2 & 3 OCTOBER 1999

The 21<sup>st</sup> Annual Meeting of the Southern Lepidopterists' Society will convene 2&3 October 1999 in the Doyle Conner Auditorium, Division of Plant Industry, Gainesville, Florida. The featured speakers for the meeting are Lee and Jackie Miller of the Allyn Museum in Sarasota, Florida. The Miller's are co-authors of the book, "The Butterflies of the Carribean and South Florida." They will be speaking about the Lepidoptera of South Florida, the Lesser Antilles, and their work at the Allyn Museum. They will also be available to sign their latest book, "The Butterflies of the Carribean and South Florida."

The Doyle Conner building will be open at 8:00am and the meeting will commence at 9:30am. There will be a business meeting with election of officers and officers' reports. Locations for field meetings and the Annual Meeting in 2000 will be determined. We will also present the 1999 Abbot Award to a worthy recipient. Following the meeting, a dinner at a local restaurant is planned, followed by a "get together at the home of Jeffrey Slotten."

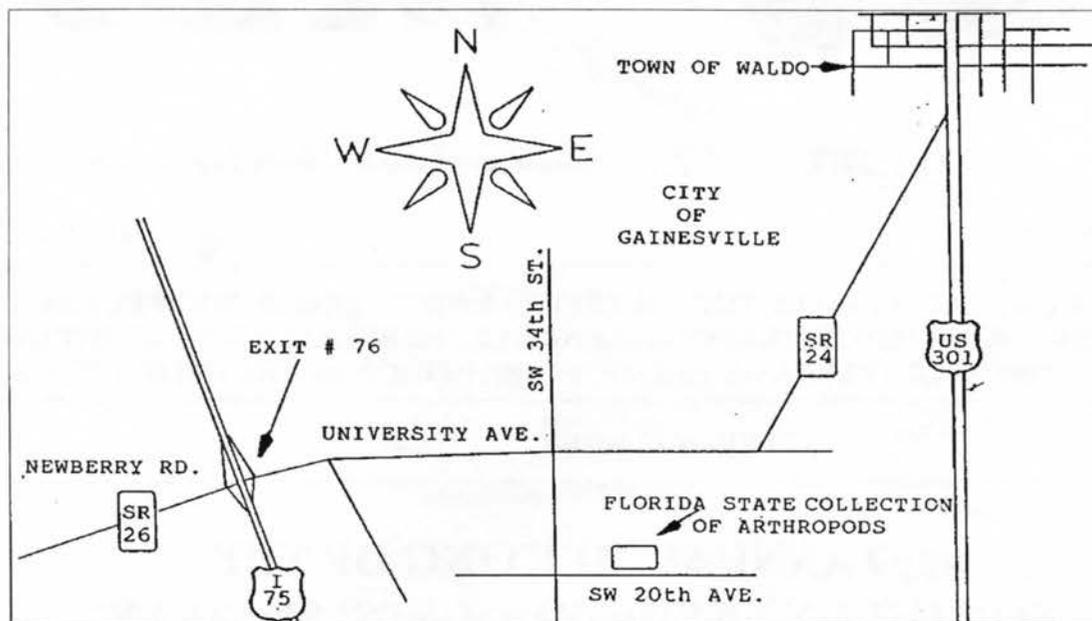
As always, we will have access to the Florida State Collection of Arthropods Saturday morning. Bring your unidentified specimens or just peruse the extensive collection. Of course, they are always happy to accept donations!

If you are interested in presenting a paper or short talk, please contact James K. Adams, 1702 Crow Valley Rd., #704, Dalton, GA 30720; Home Tele.: 706-278-6255; E-mail: jadams@em.daltonstate.edu prior to September 15<sup>th</sup> with title and length of your talk to enable us to allow time for your presentation.

Following the meeting on Sunday, Leroy C. Koehn and Jeffrey Slotten will lead field trips to various habitats in the Gainesville area. More field trip information will be available during the meeting. If you are interested in nothing on Friday night, contact Leroy C. Koehn, 6085 Wedgewood Village Circle, Lake Worth, FL 33463-7371; Home Tele.: 561-966-1655; E-mail: Leptraps@aol.com

Plan now to attend the 1999 Annual Meeting of the Southern Lepidopterists' Society!

## 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 on University Ave. Follow University Ave. to SW 34th Street. Turn left on SW 34th Street and go south to traffic light at SW 20th Ave. And turn left into FSCA parking lot.

From I-75 use Exit #76 to Newberry Rd., east on Newberry Rd. to University Ave. East on University Ave. to SW 34th Street. Turn right on SW 34th Street and go south to traffic light at SW 20th Ave. Turn left into FSCA parking lot. Watch for Southern Lepidopterists' logo signs to guide you.

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### ANNUAL MEETING AGENDA SATURDAY OCTOBER 3rd

**DOYLE CONNER AUDITORIUM, DIVISION OF PLANT INDUSTRY  
1911 SW 34th STREET, GAINESVILLE, FLORIDA**

- |                     |  |
|---------------------|--|
| 8:00am - 9:30am     | Florida State Collection of Arthropods open for viewing. Coffee & doughnuts will be provided.              |
| 9:30am - 10:00am    | Welcome and opening remarks by James Adams, Chairman   |
| 10.00am - 11:00am   | Business meeting, election of officers and officers reports  |
| 11:00am - 11.30am   | The Origin of Florida Butterflies: The Cuban and Bahama Connection by Lee D. Miller & Jacqueline Y. Miller |
| 11:30am - 12:00noon | Species of Phoebis that Utilize Cassia as a Larval Host in Florida by Bob Beiriger.                        |

- 12:00noon - 1:30pm Lunch and bug talk.
- 1:30pm—2:00pm Faunal Diversity of Butterflies in the Lesser Antilles by Jacqueline Y. Miller & Lee D. Miller
- 2:30pm—3:00pm Abbot Award presentation.
- 3:00pm—3:30pm Break and open discussion period.
- 3:30pm—4:00pm Comparison between moth faunas of Bt-sprayed and Bt-free areas near Highlands, North Carolina by James K. Adams
- 6:00pm—7:30pm Dinner at local restaurant
- 7:45pm—? Open house and slide fest at Jeff Slotten's Home

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## 1999 ABBOT AWARD CANDIDATES

The Abbot Award will again be presented at the 1999 Annual Meeting of the Southern Lepidopterists' Society. According to our constitution, "the board will submit a ballot containing the name or names of at least one, but not more than 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 will be the recipient." The John Abbot Award is presented no more than once a year to any individual who has demonstrated excellent service to the Southern Lepidopterists' Society and/or is recognized for outstanding contributions towards our understanding of the Lepidoptera fauna of the southern United States. The candidates need not be members of the Society.

Past recipients of the John Abbot Award are Charles P. Kimball (1981), Charles V. Covell, Jr. (1982), Bryant Mather (1983), Roy O. Kendal (1984), Andre Blanchard (1985), Ed Knudson (1986), Dale H. Habeck (1987), J. Richard Heitzman (1988), Thomas C. Emmel (1990), Howard V. Weems (1991), Douglas C. Ferguson (1992), John B. Heppner (1997), and Jeffrey R. Slotten (1998). Please take the time to submit your vote and recognize the hard work of another worthy Lepidopterist. This years' candidates are:

**Marc C. Minno** currently serves the Society as Member-at-Large. He has authored and co-authored numerous papers on the Lepidoptera of the southeast, including the book "Butterflies of the Florida Keys." His interests include Hesperidae, ecology, life history, and conservation.

**Harry Pavulaan** has been a long time member of the Society and has served as State Coordinator for Virginia for many years. He has published several papers on Lepidoptera, including papers on the relationships of *Celastrina* (Azure) butterflies.

**Vernon A. Brou** has served the Society for 20 years as the State Coordinator for Louisiana. His field work in Louisiana is outstanding and has resulted in the descriptions of several new species. He has authored numerous papers and articles on the Lepidoptera of Louisiana and collecting techniques.

Enclosed in this newsletter is your Abbot Award Ballot. Please take the time to vote for the candidate of your choice. The ballot can be folded with the Secretary's address to the outside, staple or tape securely, apply postage and mail. Or, put your ballot in an envelope and mail to the Secretary.

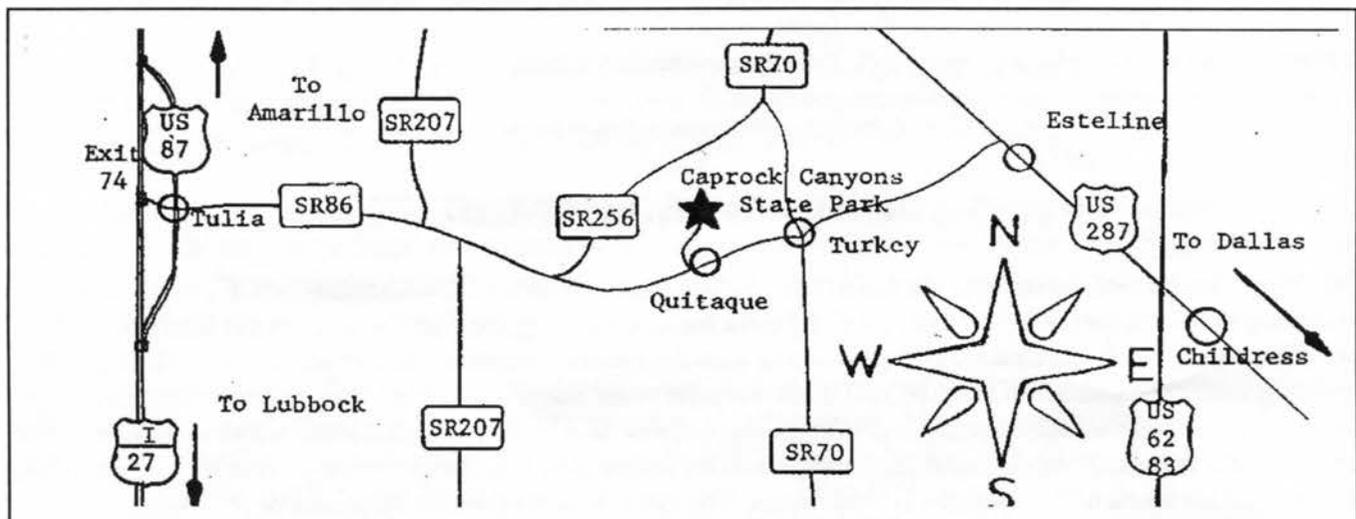
**Please send ballots to the Secretary:**

**Bill Russell, 772 Yorkshire Rd. NE, Atlanta, GA 30306**

## LATE SUMMER FIELD MEETING IN THE TEXAS PANHANDLE LABOR DAY WEEK END -SEPTEMBER 3, 4, 5, & 6, 1999

A late summer field meeting will be held Labor Day weekend, September 3, 4, 5, & 6, 1999 at Caprock Canyons State Park in the Texas Panhandle and will be hosted by Barry Lombardini. We attempted to have this field meeting in 1998, but due to the extreme drought in Texas, it was canceled. The State parks of Texas have granted another collecting/special use permit to the Southern Lepidopterists' Society for this meeting for both Caprock Canyons State Park and Palo Duro Canyon State Park. Butterfly species on the wing will be limited to late summer species, including several nice *Amblyscirtes*. However, with over 40 species of *Schinia* and almost as many species of *Arctiid*, and the dark of the moon, this will be a moth collectors weekend.

### DIRECTIONS TO CAPROCK CANYONS STATE PARK



From Dallas follow US 287 to Estelina, just north of Estelina, turn left on SR 86, follow SR 86 west approximately 30 miles through Turkey to Quitaque. Turn right at sign to Caprock Canyons State Park in Quitaque. Park is 3 miles north of Quitaque. From Interstate 27; Exit 74 at SR 86 to Tulia. Continue approximately 43 miles east on SR 86 to Quitaque. Turn left at sign in Quitaque to Caprock Canyons State Park. Park is 3 miles north of Quitaque. Look for Southern Lep. logo signs to park and the Bunk House. Ask for directions to the Bunk House at the park Entrance.

This meeting will be an adventure. Caprock Canyons State Park is located in Briscoe County in the panhandle near the town of Quitaque. With the exception of a Bed-n-Breakfast east of Quitaque (see map above), there is little in the way of accommodations close to the park. However, we have reserved the Bunk House and two camp sites in the camping area. The Bunk House has six bunk beds that can sleep 12 people and there is room on the floor for another twenty or more, providing they bring an air mattress or pad. The Bunk House is air conditioned and has two bath rooms, but only one has a shower. There is a stove and cooking utensils and limited plates, forks, spoons, etc. You will need to bring a sleeping bag or bedding, pillow, towels, wash cloths, and plastic cups. The small (very small) town of Quitaque is three miles from the park but has limited services. To resolve the need for travel for meals, the Southern Lepidopterists' Society and Barry Lombardini will provide the evening meals on Friday, Saturday and Sunday and breakfast on Saturday, Sunday and Monday. Due to the remote location, all attendees will need to lend a hand when it comes to meals. If you require additional nourishment, you will need to bring it with you. We suggest that all attendees bring plenty of fluids to drink as the Texas Panhandle can be very hot and very dry at this time of the year. The cost per person to stay at the Bunk House, including meals, is \$10.00 per night.

This should be an exciting meeting. The remoteness of the park, limited facilities, a number of enthusiastic Lepidopterists, an excellent collecting window (dark of the moon.), and some great fellowship will make this a meeting to remember

There is a book available on the area, Caprock Canyonlands by Flores. It contains two pages with maps and colored plates of the area. It is available from : Flora & Fauna Books, P.O. Box 15718, Gainesville, FL 32604; \$19.95 (minus 10% discount, plus \$2.00 shipping) Anyone going on this field trip should want to read this book before they come and will want it for references later.

### MOTELS WITHIN TWO HOURS DRIVE OF CAPROCK CANYONS STATE PARK

**QUITAQUE:** Approx. 10 minutes S. of the Park.

Quitaque Quail Lodge, 2 mi. E. of Quitaque on SR86.  
1 or 2 Persons...\$70.00 to \$90.00  
Telephone 806-455-1261

**CHILDRESS:** Approx. one hour E. of the Park.

Best Western, 1.5 Mi. W. on US 287, 1805 Ave. F NW.  
1 person.....\$49.00 Telephone: 817-937-6353  
2 persons....\$52.00 Toll Free : 800-528-1234

Comfort Inn, 1.5 Mi. W. on US 287, 1804 Ave F NW.  
1 person.....\$45.00 Telephone: 817-937-6363  
2 person.....\$54.00 Toll Free : 800-228-5150

Econo Lodge, 1.3 Mi. W. on US 287, 1612 Ave F NW.  
1 person.....\$38.00 Telephone: 817-937-3695  
2 persons....\$42.00 Toll Free : 800-446-6900

**CANYON:** Approx. 1 hour & 15 min. NW of the Park

Buffalo Inn, on US 87, 300 23rd Street.  
1 person.....\$42.00 Telephone: 806-655-2124  
2 persons....\$44.00

**CLARENDON:** Approx. one hour N. of the Park.

Western Skies Motel, ½ Mi. NW on US 287 & SR 70  
1 person.....\$35.00 Telephone: 806-874-3501  
2 persons....\$39.00

**MEMPHIS:** Approx. 1 hour & 15 min. NE of the Park

Best Western De Ville Motel, ½ Mi. NW on US 287.  
1 person.....\$36.00 Telephone: 806-259-3583  
2 persons....\$46.00 Toll Free : 800-528-1234

**PLAINVIEW:** Approx. 1 hour & 30 minutes SW of the Park.

Best Western Conestoga Inn, just south of US 70, on east access road to I-27, Exit 49  
1 person.....\$50.00 Telephone: 806-293-9454  
2 persons....\$58.00 Toll Free : 800-528-1234

Holiday Inn Express, on US 70 at Jct. of I-27 & US 87, Exit 49

1 person.....\$43.00 Telephone: 806-293-4181  
2 persons....\$68.00 Toll Free : 800-465-4329

## AN ABERRANT ANARTIA JATROPHAE QUANTANAMO MONROE FROM SOUTH FLORIDA

BY  
LEROY C. KOEHN

On October 29, 1989, I was collecting in the citrus groves on the I.F.A.S. Station (Institute of Food and Agricultural Science) near Homestead, Florida. The trees in the older Tangerine groves had balloon vines (*Cardiospermum*) growing in most of them which is the host plant for *Chlorostrymon simaethis*, and *Hemiargus bethunerbakeri thomasi*. Along with the citrus groves there is a large stand of Loquat trees. When in bloom they attract numerous hairstreaks including; *Chlorostrymon simaethis*, *Electrostrymon angelia*, *Tmolus azia* and the day flying sphingid, *Atolopedes tantulus*. Earlier in October I collected a series of *Chlorostrymon simaethis* in the old Tangerine groves of the station.

When I was mounting them one evening, I discovered that one was actually a female Chlorostymon maesites. I was determined to find another. I made daily visits to the I.F.A.S. Station during my lunch time. As I walked through an area of banana plants into a grove of citrus trees I saw a small green hairstreak fly up into an Orange tree. As I prepared to make a swing with my net, a dark gray object caught my attention from the corner of my eye. I stopped to take a look and to my surprise, there on a small Bideen plant (Spanish needles) with a single flower sat an aberrant male of Anartia jatrophae quantanamo (Fig.#1A & 1B). I immediately dropped my net over it. The individual was rather worn and both hind wings were torn or chipped. However, it was a striking individual when compared to a typical Anartia jatrophae quantanamo (Fig.#2A & 2B).

After I papered my catch I returned my attention to the green hairstreak I had originally spotted. Although I searched diligently, I was unable to find the individual again.

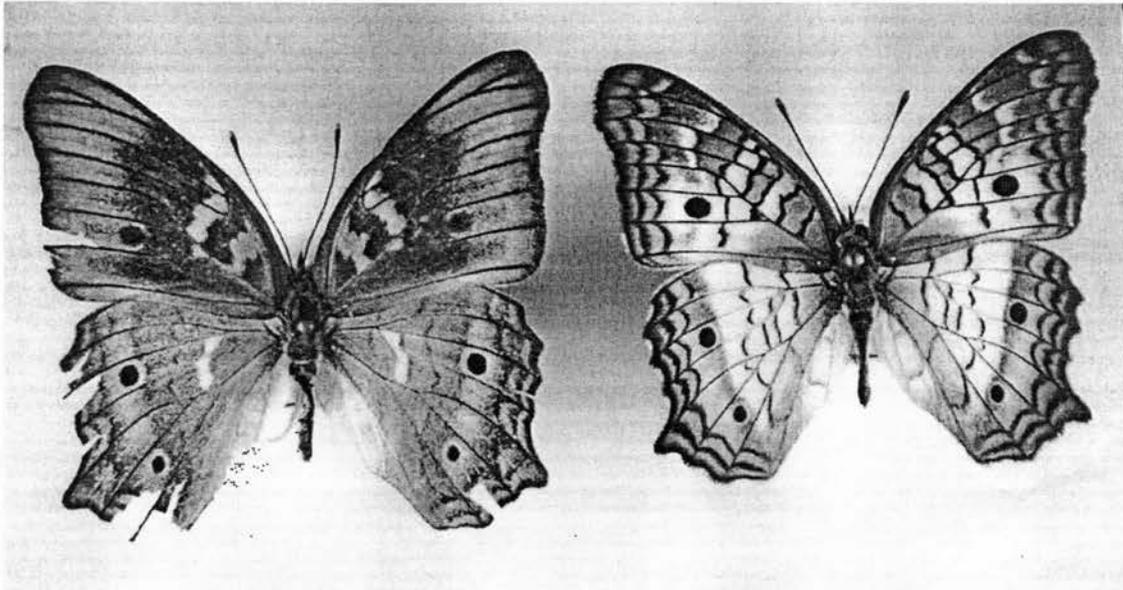


Fig. #1A  
Anartia jatrophae quantanamo  
Aberrant (Normal Fall Size)

Ventral

Fig. #2A  
Anartia jatrophae quantanamo  
(Normal Spring Size)

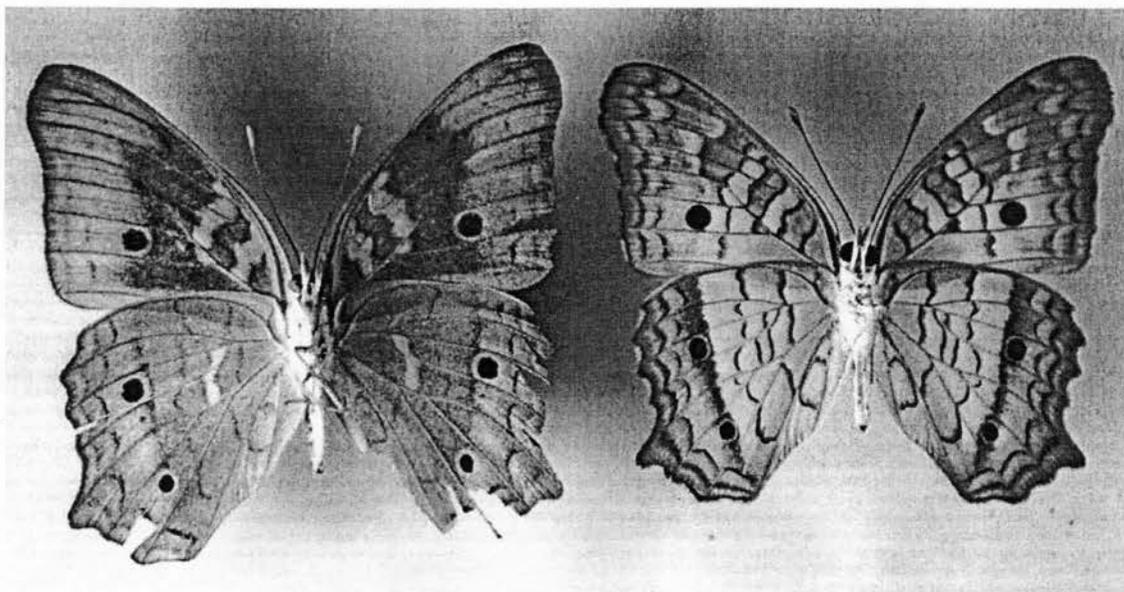


Fig. #1B  
Anartia jatrophae quantanamo  
Aberrant (Normal Fall Size)

Dorsal

Fig. #2B  
Anartia jatrophae quantanamo  
(Normal Spring Size)

Anartia jatrophae quantanamo occurs throughout Florida and all year in south Florida. During the fall in south Florida it can become extremely abundant. Individuals of the spring population are small and well marked. Individuals of the fall population (Fig.#2A & 2B) are larger and their markings are more reddish. It's host plant in south Florida is Lippia which is a common plant in old citrus groves and moist road side areas. Larvae are easily located on Lippia. I know of no other records or reports of an aberrant Anartia jatrophae quantanamo.

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## VOLTINISM OF ANISOTA STIGMA (FABRICIUS) IN LOUISIANA BY VERNON A. BROU, JR

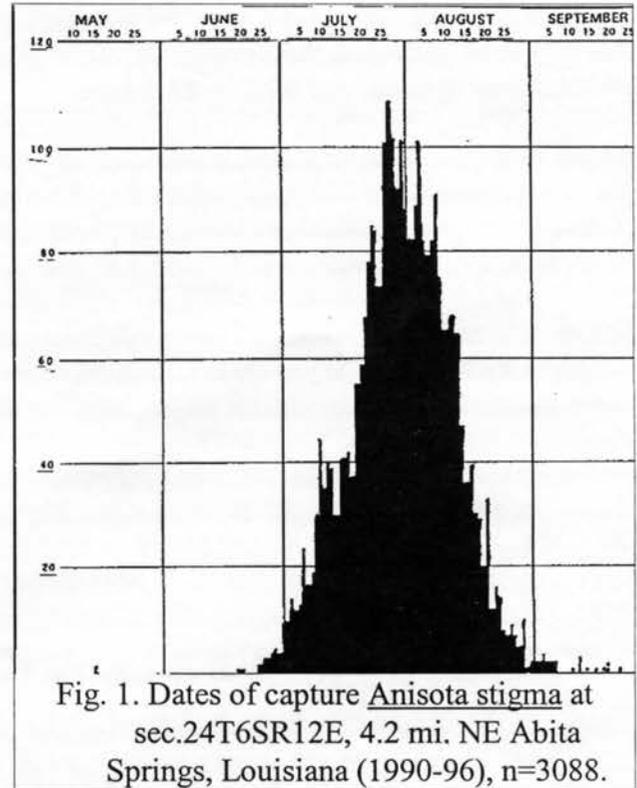
Recent authors, Ferguson (1971), Riote & Peigler (1980), offer no information regarding number of broods of Anisota stigma (Fabricius) in the southern United States. Only Ferguson (1971) makes the statements "In the northern part of the range there is only one brood..." "Dates for Florida from June to October."

In Louisiana stigma has been commonly collected using ultraviolet light traps by this author for over 20 years. Fig. 1 clearly shows that specimens have been taken May through September in Louisiana; 98% in July-August, the single brood peaking end of July.

### LITERATURE CITED

Ferguson, D.C. 1971. The Moths of America North of Mexico. Fasc. 20.2A; Bombycoidea, Saturnidae. London: Curwen Press.

Riote, J.C.E. & Richard S. Peigler 1980(81) A revision of the American genus Anisota (Saturnidae). J. Res. Lepid.19:101-180.



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## NEWSLETTER UPDATE

The season is upon us and there are places to go and Lepidoptera to find. The field meetings that are held are planned to help Lepidopterists visit new areas and discover new species. They also help develop our skills as Lepidopterists with new field techniques, equipment and curator practices. There is much to learn and even more to teach. Set a goal and plan on coming to the wide open spaces of the Texas Panhandle at Caprock Canyons State Park. This meeting will be an adventure. There are limited facilities, a long way to any conveniences, and some absolutely great collecting possibilities for moths, especially Schinia.

The 1999 annual meeting will once again be held at the Florida State Collection of Arthropods in Gainesville, Florida, 2 & 3 October 1999. There will be several featured speakers, a business meeting and a great time of fellowship. There will also be some field opportunities to collect and photograph Lepidoptera. Plan on attending the annual meeting this fall.

The annual meeting for the year 2000 will be in either Houston or Austin, Texas in October. This will be an exciting meeting and the field opportunities before and after the meeting are enticing. There will be more information in the next newsletter. Plan now to attend.

Tom Neal is stepping down as the State Coordinator for Florida. Tom has served the Society for many years. Family requirements greatly influenced his decision. Bob Beiriger will become the new coordinator for Florida. Bob collects North American butterflies and skippers and he also collects beetles. We forgive him for the latter. Send your field reports to: Bob Beiriger, 4068A Palm Bay Circle, West Palm Beach, FL 33406; Tele.: 561-640-4860.

Do you know any former members who may be interested in rejoining? If your answer is yes, please contact John Calhoun, the Society's Membership Coordinator, with names, address and telephone number and he will send a membership application.

We need your continued input. We need articles, book reviews, short notes, meeting announcements or any thing that may be of interest to the membership. Your opinions and ideas are important, we encourage you to speak out and send your opinions and ideas to the Editor.

Please keep your state coordinator informed of your activities. Records are extremely important, even for very common species. Your activities and records could greatly increase our knowledge of the Lepidoptera within your state and the region. Do you have interesting photographs of your activities and specimens? Your report is much more effective when photographs are included. Let your coordinator hear from you.

I am on-line; my E-mail address is: **Leptraps@aol.com** and I can receive all field reports as an attachment. I am able to convert most formats, If you are ever in doubt about file conversion, please send your file in ASCII (Text) format. I have included the E-mail address for all State Coordinators who are on-line.

The newsletter deadlines for the remaining two number of Vol. 21 are: No. 3: 15 September 1999, and No. 4: 15 December 1999. I will keep the deadline dates. The newsletter will be on time.

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## **CAN YOU CREATE AND MAINTAIN A WEB-SITE? CAN YOU CREATE AND MAINTAIN A LIST SERVER ? IF YOU CAN, YOUR SOCIETY NEEDS YOU!!**

The Society has experienced a slow continuous growth in the number of new members over the last three years. This slower than anticipated growth has created a difficult financial situation for the Society. To attract new members the Membership Coordinators have tried several ideas. We recently began to announce and report our Society's activities in the News of The Lepidopterists' Society. We want other Lepidopterists to know that we are an active Society with exciting and enjoyable field trips, an informative newsletter, and above all, that being a Lepidopterist is rewarding and fun. Then, other Lepidopterists will want to become a part of the Society and will become members.

The best method to communicate in today's world of computers is the Internet. The Internet can provide the Society with a method of communicating with Lepidopterists in the southern region of the United States and the rest of the world. Potential members would visit the Web-Site, read about the Society and all of the activities, including field trips. They may want to take part in those activities and become members of our Society.

The Society would like to create a Web-Site. This requires someone with the knowledge of computers and the Internet who can set up and maintain a Web-Site. If you have the skills, knowledge and time, and want to help the Society grow, please contact: James K. Adams, 1702 Crow Valley Rd., #704, Dalton, GA 30720; E-mail: [jadams@em.daltonstate.edu](mailto:jadams@em.daltonstate.edu)

## WHAT IS IT?

Don Stillwaugh of Safety Harbor, Florida photographed this Sphingid moth (Fig.#1) in Withlacoochee State Forest in February and would like someone to identify it. If you can positively identify this Sphingid, contact: Don Stillwaugh, 604 Summerhill Court, Apt. D, Safety Harbor, FL 34695; Tele.: 727-726-7408; E-mail: Stillwaugh@earthlink.net. Please let us know what it is Don!

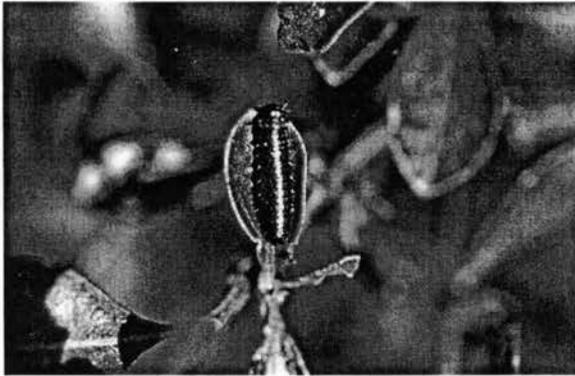


Fig. #2

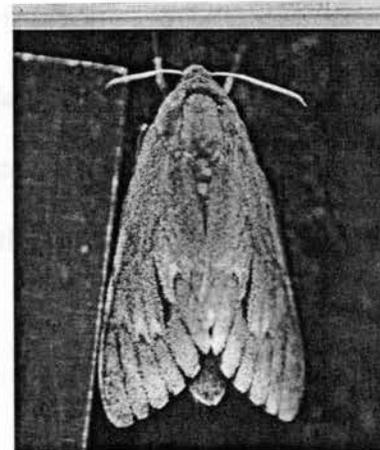


Fig. #1

Alana Edwards of Delray Beach, Florida was given the photograph of the larva in Fig. #2, taken in Jonathon Dickenson State Park, Martin County. If you can positively identify the larva, contact Alana Edwards, 3206 Palm Drive, Delray Beach, FL Tele: 561-706-6732; E-mail: Mariposa@cwix.com

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## NEW AND RECENT PUBLICATIONS

**MICHIGAN BUTTERFLIES AND SKIPPERS** by Mogens "Mo" C. Nielsen, 252 pages with full-color, full-page photos of all species in Michigan. Paper: \$19.95, includes shipping. Order from: MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039

The author, Mo Nielsen is a long time friend of many Southern Lepidopterists', including your Editor. This book is the result many years of field work throughout the state and is the comprehensive work on the butterflies and skippers of Michigan.

**FLORIDA BUTTERFLY GARDENING** by Marc C. Minno and Maria Minno. Illustrations by Diane Pierce. Foreword by Thomas C. Emmel. 216 pages, 8.5 X 11. Jacket. 442 color illustrations, 3 tables. ISBN 0-8130-1665-7 Cloth, \$34.95. Order from: University Press of Florida, 15 NW 15<sup>th</sup> Street, Gainesville, FL 32611-2079; Telephone: 800-266-3822.

This is a complete reference for Florida gardeners who want to attract butterflies, skippers and moths to their gardens with both host and nectar plants. It provides excellent information to identify butterflies and skippers as well as an understanding of their biology, behavior, life cycle, and Florida habitats. This is the first butterfly gardening book to cover in full color, the adult, larval, and pupal stages and host plants of more than 60 butterflies and a dozen moth species found in Florida.

**A FIELD GUIDE TO WESTERN BUTTERFLIES** by Paul A. Opler & Amy Bartlett Wright. 1999. A Peterson Field Guide. Houghton Mifflin Company, Boston. ISBN 0-395-79151-0 paperback 4.5 x 7.25", 540 pages, 44 color plates. \$24.00. Available through most natural history bookseller.

## TEXAS LEPIDOPTERA SURVEY

### LIST OF PUBLICATIONS: ILLUSTRATED LEPIDOPTERA CHECKLISTS

PUB 1: Checklist of the Audubon Sabal Palm Grove Sanctuary (Treats 780 species, 10 color plates)	\$20.00
PUB 2: Checklist of the Big Thicket National Preserve (Treats 1726 species, 15 color plates)	\$30.00
PUB 3: Checklist of Big Bend National Park (Treats 1250 species, 12 color plates)	\$27.50
PUB 4: Checklist of Guadalupe Mountains National Park (Treats 1300 species, 12 color plates)	\$27.50
PUB 5: Checklist of Caprock Canyonlands	Due June 1999

#### PROPOSED CHECKLISTS

Checklist of the Davis Mountains  
 Checklists of the Lower Rio Grande valley  
 Checklist of the Texas Hill Country

#### TEXAS LEPIDOPTERA ATLAS

PUB 6: Checklist of the Lepidoptera of Texas (Est. 4750 species, not illustrated)	\$10.00
(With color plates, from above publ.; 50+ plates)	\$60.00
Texas Lepidoptera Atlas to follow (12 Volumes, Illustrated, Annotated)	

#### FOR MORE INFORMATION OR TO ORDER, CONTACT:

Ed Knudson  
 8517 Burkhardt Rd.  
 Houston, TX 77055  
 713-464-3529  
 E-mail: micheldl@wt.net

Charles Bordelon  
 8440 Washington Blvd.  
 Beaumont, TX 77707  
 409-866-8163

SHIPPING: \$2.50  
 Per vol.

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## CHANGES IN THE MEMBERSHIP

#### NEW MEMBERS

Arnold E. Burkhardt, 310 East Dogwood Street,  
 Monticello, FL 32344

Dale Habeck, 10516 SW 12 Terrace, Micanopy, FL  
 32667-9446

John A. McConnell, 13566 Hickory Legend, San  
 Antonio, TX 78247

Ken Hansen, P.O. Box 2209, McKinleyville, CA  
 95519-2209

Kevin J. Cunningham, 9224 Rome Court, Houma,  
 LA 70363

Dr. Thomas C. Emmel, 1717 NW 45<sup>th</sup> Avenue,  
 Gainesville, FL 32605

Peter Hubbell, 1471 South Wood Drive, Huntsville,  
 TX 77340

Harry E. Legrand, Jr., 1109 Nichols Drive, Raleigh,  
 NC 27605

J. Akers Pence, 318 SE 71<sup>st</sup> Street, Gainesville, FL  
 32641-7798

#### ADDRESS CHANGES/CORRECTIONS

Bob Belmont, P.O. Box 2626, Naples, FL 34106

Roy W. Rings, 1840 Christmas Run Blvd., Wooster,  
 OH 44691 (Summer Address)

## STATE COORDINATOR REPORTS

We are in need of a coordinator for the state of Mississippi. If you reside in Mississippi and have an understanding of the Lepidoptera of that state, and would be willing to serve as the coordinator; contact the Chairman: James K. Adams, 1702 Crow Valley Road, #704, Dalton, GA 30720; Tel.: 706-278-6255; E-mail: e-mail:jadams@em.daltonstate.edu

**ALABAMA:** C. Howard Grisham, 573 Ohatchee Road, Huntsville, AL 35811: E-mail: am@HiWAAY.net

A nice species diversity has been encountered and enjoyed this spring in northeast Alabama, despite the fact that morning-after work-related nonsense has precluded moth hunting on most of the "good" warm nights. Lithacodia concinnimacula, reported below, was the macro highlight; I hope to have determined 50 or so micro ufo's for reporting next quarter. Butterfly-wise, Incisalia henrici was back this spring with a vengeance, after a 3 year drought during which few were encountered in the field. I even spotted a worn one as late as 8 May.

The following records (listed in Hodges' numbering sequence order) are from Hollytree, Jackson County, Alabama, in Paint Rock Valley, near the base of Bingham Mountain, by Howard Grisham or my son Charles: Scardia anatomella (Apr 2, 1999); Ethmia zelleriella (Apr 2 and May 4, 1999); Synanthedon acerni (Apr 24 & May 4, 1999); Prionoxystus macmurtrei (Apr 22 & 24, 1999); Acleris subnivana (July 2, 1998); Choristoneura fractivittana (Apr 22, 24 and May 4, 1999); Acolothus falsarius (May 5, 12, 14, 1999 & July 10, 1998); Tortricidia testacea (Apr 24, 1999); Metrea ostreonalis (May 4, 1999); Nomophila nearctica (Mar 19, 1999); Desmia funeralis (Apr 22 & 24, 1999); Palpita magniferalis (Mar 27, 1999); Crambus laqueatellus (Apr 24, 1999); Diatraea crambidoides (June 26 & Aug 14, 1998); Heliomata cycladata (Apr 20, 1999); Semiothisa minorata (May 16, 1998); Semiothisa continuata (Apr 2, 1999); Glenoides texanaria (Sept 12, 1998); Melanolophia signataria (Mar 27, 1999); Lycia ypsilon (Mar 27, 1999); Hypogyrtis unipunctata (Aug 19, 1998); Phigalia titea (Mar 19, 1999); Phigalia denticulata (melanistic) (Feb 26, 1999); Erastria cruentaria (Apr 3, 1999); Euchlaena johnsonaria (Aug 14, 1998); Nacophora quernaria (Mar 19, 1999); Selenia kentaria (Mar 27, 1999); Metarranthis homuraria (Apr 3, 1999); Plagodis kuetzingi (Apr 22, 1999 (6)); Plagodis phlogosaria (Apr 3, 1999); Plagodis fervidaria (Apr 3, 1999); Besma quercivoraria (Apr 3, 1999); Tetracis cachexiata (Apr 22, 1999); Nematocampa limbata (May 16, 18 & 20, 1998); Nemoria saturbia (Apr 3, 1999); Hethemia pistasciaria (Apr 22, 1999); Orthonama centrostrigaria (Apr 22, 1999); Horisme intestinata (Mar 27, 1999); Cladara atroliturata (Mar 27, 1999); Heteropacha rileyana (Mar 19, Apr 3, 1999); Phyllodesma americana (Mar 27, 1999); Deidamia inscripta (Mar 27, 1999); Nadata gibbosa (Apr 22, 1999); Peridea basitriens (Apr 22, 1999); Nerice bidentata (Apr 2, 1999); Furcula borealis (Apr 24, 1999); Symmerista albifrons (Apr 3, 1999); Dasylophia thyatiroides (Apr 3, 1999); Comachara cadburyi (Apr 22, 1999); Spilosoma congrua (Apr 3, 1999); Hyphantria cunea (Apr 8, 1999); Euerythra phasma (Apr 20, 1999); Idia aemula (Apr 22, 1999); Phalaenostola larentioides (Aug 17, 1998); Metalectra quadrisignata (July 17, 1998); Palthis angulalis (May 16, 1998); Palthis asopialis (May 4, 1999); Bomolocha deceptalis (Apr 3, 1999); Pangrapta decoralis (Apr 20, 1999); Phyprosopus callitrichoides (Apr 24, 1999); Lesmone detrahens (June 19, 26, July 6, 17 and Aug 19, 1998); Zale minerea (Apr 3, 1999); Zale lunifera (Apr 2 and 3, 1999); Zale horrida (Apr 2 and 3, 1999); Allotria elonympha (Apr 24, 1999); Parallelia bistriaris (Apr 22, 1999); Celiptera frustulum (Apr 24, 1999); Catocala angusi (Aug 7, 17, 21 & 29, 1998); Catocala habilis (Aug 29, 1998); Autographa biloba (Mar 19, Apr 20, 1999); Baileya ophthalmica (Apr 3, 1999); Paectes abrostoloides (Apr 2, 1999); Eutelia pulcherrima (Apr 22, 1999); Lithacodia concinnimacula (Apr 22, 1999); Acronicta lobeliae (Apr 2, 1999); Acronicta afflicta (Aug 14 & 22, 1998); Acronicta impleta (Mar 12, Apr 2, 1999); Acronicta noctivaga (May 4, 1999); Agriopodes fallax (Apr 3, 22 and May 4, 1999); Psychomorpha epimenis (Apr 3, 1999); Apamea cariosa (June 9, 1998); Apamea cristata (June 2, 7, 12, 13, 17, 1998); Oligia illocata (Oct 27, 1997); Papaipema arcivorens (Aug 29, 1998); Papaipema nebris (Sept 18, 1998); Anorthodes tarda (Apr 22, 1999); Spodoptera ornithogalli (Feb 16, 1999); Elaphria grata (Mar 19, 1999); Perigea xanthioides (Apr 24, 1999); Lithophane bethunei (Mar 19, 1999); Lithophane hemina (Feb 11; Apr 2, 1999); Lithophane signosa (Mar 27, 1998); Lithophane querquera (Mar 19, 1999); Lithophane viridipallens (Feb 16, 1999); Sericaglaea signata (Feb 26 & Mar 19, 1999); Anathix rella (Oct 16, 1998); Psaphida electilis (Mar 19, 27, Apr 2, 3 & 8, 1999); Psaphida rolandi (Mar 19, 1999); Psaphida resumens (Apr 8, 1999); Psaphida thaxterianus (Mar 19, 1999 (3)); Polia detracta (May 23, 24, & 26, 1998);

Lacinipolia implicata (Apr 22, 1999); Leucania scirpicola (July 2, 1998); Leucania pseudargyria (June 26, 1998); Orthosia rubescens (Apr 3, 1999); Orthosia alurina (Apr 3, 1999); Crocigrapha normani (Apr 3, & 8, 1999); Himella intractata (Apr 3, 1999); Egira alternans (Mar 27, 1999); Achatia distincta (Mar 27, 1999); Morrisonia confusa (Apr 3, 1999); Tricholita signata (Aug 14, 21 & 29, 1998); Xanthopastis timais (Apr 22, 1999).

The following records (listed in Hodges' numbering sequence order) are from Maysville, Madison County, Alabama, on Berry Mountain, by Howard Grisham or my son, Charles: Podosesia syringae (Apr 25 and 28, 1999); Acleris subnivana (Aug 8, 1998); Diatraea crambidoides (Aug 22, 1998); Euthyatira pudens (Apr 11, 1999); Melanolophia signataria (March 4, 1998); Nacophora quernaria (Apr 10, 1999); Besma quercivoraria (Apr 3, 1999); Tetracis crocallata (Apr 9, 1999); Nematocampa limbata (May 27, 1998); Nemoria bistriaria (Apr 3, 1999); Chlorochlamys chloroleucaria (Apr 9, 1999); Deidamia inscripta (Apr 22, 1999); Bleptina caradrinalis (May 17, 1998); Lesmone detrahens (July 6, 1998); Nola sorghiella (Aug 8 and 9, 1998); Psychomorpha epimenis (Mar 28, 1999); Apamea cariosa (May 28, 1998); Leucania scirpicola (Dec 19, 1998); Morrisonia confusa (Apr 10, 1999); Tricholita signata (Aug 22, 30 and Sept 13, 1998); Agnorisma (Xestia) bolli (Oct 24, 1998).

**ARKANSAS:** Mack Shotts, 514 W. Main Street, Paragould, AR, 72450 No Report.

**FLORIDA:** Tom Neal, 1705 NW 23rd Street, Gainesville, FL 32605

On 2 May 1999, Jeffrey Slotten and Richard Boscoe visited Citrus County off road 480 and collected Satyrium liparops and Satyrium calanus on Vaccinium arboreum. They also found Atlides halesus and Parrhasium m-album.

On 6 May 1999, Jeffrey Slotten found one Eumorpha achemon at a light in Gainesville. Jeff commented, "This may not seem like such a big deal, however, building light collecting in Gainesville has truly deteriorated since the late 1970's before the sprawl of the city occurred. Jeff baited some trees in an oak/hickory wood lot off 53<sup>rd</sup> Avenue and found Catocala ultronia, C.micronymph, C.ilia, C.similis, and C.connubialis which were all quite common.

On 14 May 1999, Jeffrey Slotten collected a male of Ophideres materna at a gas station light at Otter Creek, Levy County. He also found Herse cingulata, Manduca rustica and Manduca jasminearum.

On the weekend of 21 May through the 23 May 1999, Jeffrey Slotten, Bob Borth, Wayne Miller and Hugo Kons found the following Catocala in Gadsden County, along Aspalaga Landing at UV lights and bait. Catocala ilia, C.gracilis, C.louiseae, C.andromedae, C.miranda, C.ultronia, C.pretiosa, C.lincolnana, C.mira, C.grynea, C.clintoni (form Monica), C.similis, C.minuta, C.micronympha, C.connubialis, and C.amica. In Liberty County along Sweetwater Creek Jeffrey Slotten found Catocala coccinata and Satyrium kingi.

At his backyard ultraviolet light in Gainesville on 20 June 1999, Jeffrey Slotten found Citheronia regalis, Catocala consors, and Catocala epione.

After attending the annual meeting of the Association for Tropical Lepidoptera in Gainesville on Saturday, 17 April 1999, David Fine and Leroy Koehn visited several locations in Alachua, Levy and Citrus counties. Just prior to the meeting, a cold front came through causing exceptionally cool temperatures that made moth collecting impossible. The temperatures warmed up on Sunday. In Levy County at Yankeetown they found Mitoura gryneus swadneri in the Cedar Trees off SR 40. They stopped several times along US 19/98 south of Crystal River with large areas of False Dandelion where they found Schinia mitis. Although a night flier, Schinia mitis can be found resting in the heads of flowers of its larval host plant, False Dandelion (Fig. #1). At Gulf Hammock they found Amblyscirtes aesculapius, Nastra neamathala, and Anthanassa texana seminole. At McKethan Lake in Withlacoochee State Forest they found Satyrium liparops liparops, Parrhasium m-album, and Fixsena favonius



Fig. #1

Leroy Koehn and Barry Lombardini visited the same area the weekend of 24 April 1999. They found the same species. However, at Gulf Hammock and along SR 476 east of US 41 they found Schinia gaura. Adults and larva were present on their host plant, Gaura biennis (Fig. 2 & 3). Just prior to taking the photograph in Fig. #2, there were three individuals. Also found on Gaura biennis were the larva of Hyles lineata, Apantesis phyllera, and Apantesis phalerata.

They also visited the Atrytone arogos locality at Junction of US 19 and US 98 in Citrus County. None were seen. It has been several years since Atrytone arogos was found at this locality where it was once very abundant. However, land clearing and some extensive mowing with a brush hog may have caused some serious damage to the host plants and the habitat.



Fig. #2



Fig. #3

Leroy Koehn and Bob Beiriger continue their field work in south Florida. On 11 June they visited Big Pine Key. The weather was over cast but they managed to scare up Hemiargus ammon, Hemiargus ceraunus antibubatus, Ephydryus brunnea florida and Phoebus agaritha maximum. At Fuch's Hammock in Homestead they found Appias drusilla neomuenga, Dryas iulia, Eurema diara, form palmira, and Electrostrymon angelica. Several interesting moths were collected, Xylophanes pluto, Perigonia lusca, Darapsa myron, Cautethia grotei, Cossula magnifica, Anisota consularis, and Eupseudosoma involutum floridum.

**GEORGIA:** James K. Adams, 1702 Crow Valley Rd., #704, Dalton, GA 30720; e-mail: jadams@em.daltonstate.edu

Records are from James Adams, Irving Finkelstein (IF), William Russell (WHR), Howard Grisham (HG), and Mike Lockwood, and represent new or interesting records (range extensions, unusual dates, uncommon species, county records, etc.) or newly identified species, mostly for NW Georgia. This report does not include details from the Spring Field trip. Records are from the Dalton/Rocky Face, Whitfield County area unless otherwise specified. "Pig." represents Pigeon Mountain area, Walker County; "Tay." represents Taylor's Ridge, 5 miles W. of Villanow along Hwy. 136, Walker County; "Con." represents the Murray/Whitfield County line, nr. the Conasauga river, on Hwy. 76; "Sal." represents Salacoa Park along Lick Creek, just south of U.S. 156, 3 miles west of U.S. 411 between Oakman and Ranger, Gordon County; "Gates" refers to a site on Gates Chapel Rd., 3 miles N. of Hwy. 52, 8 miles W. of Ellijay; "Blue" indicates Blue Ridge, Fannin County. Definite county/state records are indicated.

**PIERIDAE:** Colias (Zerene) cesonia, 20 March 1999, Allatoona Dam Picnic Area, Bartow County. (COUNTY; IF), also 25 March 1999, Ohoopie Dunes Area, Emanuel County. (COUNTY; WHR); Nathalis iole, 12 April 1999 (Tay.; COUNTY; WHR). **LYCAENIDAE:** Incisalia niphon, 24 April 1999 (Sal.), also 1 May 1999 (Gates; IF); Mitoura grynea, 8 May 1999 (Gates; COUNTY; IF); Erora laeta, 12 April 1999 (Fig.; WHR). **HESPERIIDAE:** Atrytonopsis hianna, 24 April 1999 (Sal., COUNTY); Polites peckius, 1 May 1999 (Gates; COUNTY; IF); Poanes hobomok, 7 May 1999 (Gates; COUNTY; IF); Amblyscirtes reversa, 1 May 1999 (Gates; IF); Amblyscirtes aesculapius, 1 May 1999 (Gates; COUNTY; IF). **SPHINGIDAE:** Sphinx franckii, 19 June 1999; Paonias astylus, 10 June 1999 (Tay.). **NOCTUIDAE:** Alypia octomaculata, 12 April 1999 (Tay.; WHR); Comachara cadburyi, 24 April 1999 (COUNTY); Agriopodes fallax, 24 April 1999; Leuconycta lepidula, 21 May 1999, Allatoona Dam area, Bartow County. (IF); Colocasia propinquilinea, 24 April 1999, also 17 May 1999 (Gates, IF); Feralia comstocki, 7 May 1999 (Gates; STATE; IF); Eutelia pulcherrima, 16 May 1999 (Blue); U, April 24 1999; Metallata absumens, 30 May 1999 (Gates, IF); Lithophane signata, 24 April 1999 (late date?); Crocigrapha normani, 13 April 1999; Protolampra bruneicollis, 10 June 1999 (Tay.); Morrisonia evicta, 1 May 1999 (Gates; IF). **NOTODONTIDAE:** Peridea ferruginea, 7 May 1999 (Gates; IF). **THYATIRIDAE:** Habrosyne scripta, 7 May 1999 (Gates; IF).

**GEOMETRIDAE:** Selenia kentaria, 24 April 1999; Glena cribrataria, 24 April 1999, also 14 May 1999 (Blue); Biston betularia, 7 May 1999 (Gates; IF); Dichorda iridaria, 14 May 1999 (Blue); Antepione thiosaria, 17 May 1999 (Gates; IF). **DREPANIDAE:** Drepana arcuata, 14 May 1999 (Blue). **LIMACODIDAE:** Monoleuca semifascia, 10 June 1999 (Tay.; ML). **THYRIDIDAE:** Thyris maculata, 24 April 1999 (Sal.), also 1 May 1999 (Gates [abundant!]; IF). **TORTRICIDAE:** Clepsis melaleucana, 7 May 1999 (Gates; IF). **URODIDAE:** Urodus parvula, 6 June 1999 (Blue, COUNTY), also 10 June 1999 (Tay., COUNTY; HG). 10 April 1999, I-24 exit 169 at Wildwood, Dade County; most likely represent COUNTY records:

**SPHINGIDAE:** Sphecodina abbottii. **NOCTUIDAE:** Hypsoropha monilis, Psaphida resumes, P. electilis, Acronicta vinnula, A. rubricoma, A. lobeliae. **GEOMETRIDAE:** Euchlaena pectinaria, Eupithecia miserulata. 21 & 29 May 1999, 5 miles SE of Calhoun, GA (Plainview Rd., Adairsville), Gordon County; most records are likely to represent COUNTY records: **SATURNIIDAE:** Actias luna, Automeris io. **LASIOCAMPIDAE:** Malacosoma disstria, M. americana. **ARCTIIDAE:** Crambidia uniformis, Crambidia lithosioides, Hypoprepia miniata, Holomelina opella, H. aurantiaca, Apantesis vittata, Grammina anna, Spilosoma congrua, Cycnia tenera, Pagara simplex. **NOCTUIDAE:** Renia nemoralis, Chytolita morbidalis, Idia americalis, I. aemula, Acronicta afflicta, A. inclara, A. retardata, A. lobeliae, Polygrammate hebraicum, Charadra deridens, Hypsoropha monilis, Pangrapta decoralis, Zale lunata, Zale bethunei, Catocala ultronia, Allotria elonympha, Caenurgia chloropha, Caenurgina erechtea, Panopoda carneicosta, Panopoda rufimargo, Argyrostromis anilis, Arugisa latiorella, Baileya dormitans, Meganola spodia, Nola pustulata, Amolita fessa, Thioptera nigrofimbriata, Hyperstrotia secta, Eumicremma minima, Tripudia quadrifera (STATE?), Eudryas grata, Paectes pygmaea, Marathyssa inficita, Cosmia calami, Phosphila miseloides, Lacinipolia renigera, Perigea xanthoides, Orthodes goodelli, Orthodes detracta, Ogdoconta cinereola, Agrotis ypsilon, A. subterranea, Pseudaletia unipuncta, Leucania scirpicola. **NOTODONTIDAE:** Macrurocampa marthesia, Heterocampa guttivitta, Schizura ipomoeae, Hyperaeschra geogica, Datana anguina, Nadata gibbosa. **GEOMETRIDAE:** Melanolopha signataria, M. canadaria, Iridopsis larvaria, Glena cribrataria, Glenoides texanaria, Itame pustularia, Eulithis diversilineata, Hypagyrtis unipunctata, Patalene olyzonaria, Scopula limboundata, Semiothisa multilineata (COUNTY), S. continuata (COUNTY), S. transitaria, Itame pustularia, Tetracis crocallata, Metarranthis homuraria, M. angularia (COUNTY), Euchlaena obtusaria, Euchlaena amoenaria, Besma quecivoraria, Nematocampa limbata, Lomographa vestaliata, Orthonama centrostrigaria. **ZYGAENIDAE:** Pyromorpha dimidiata, Acolothus falsarius. **LIMACODIDAE:** Tortricidia flexuosa, Apoda y-inversa, Apoda biguttata, Tortricidia flexuosa, Euclea delphinii, Lithacodia fasciola. **PYRALIDAE:** Herculia olinalis (incredibly abundant), Blepharomastix ranalis, Desmia maculalis, Pantographa limata, Eustixia pupula, Urola nivalis. **OECOPHORIDAE:** Antaeotricha schlaegeri.

Mark Walker drove through several counties on 6 June 1999, and recorded the following county records for butterflies: Along Hwy. 52 east of Chatsworth (Fort Mountain), in Murray County: Papilio troilus, Colias philodice, Satyrium calanus, Vanessa virginiensis, and Epargyreus clarus. Near Dahlonga, Lumpkin County: Colias philodice, Phoebis sennae, Strymon melinus, Everes comyntas, Euptoieta claudia, Phyciodes tharos, Vanessa atalanta, Junonia coenia, and Thorybes bathyllus. In the same area (Lumpkin County) on 10 June 1999, James Adams and Mike Lockwood recorded: Eurytides marcellus, Speyeria cybele, and Enodia anhedon.

LOUISIANA: Michael Lockwood, 215 Hialeah Avenue, Houma, LA 70363

Contributors: Michael G. Lockwood (MGL), Kevin Cunningham (KC).

Leeville, Lafourche Parish: Automeris louisiana, 1,2,8,9,&11 February 1999 (MGL); Houma, Terrebonne Parish: Anthanassa texana seminole, 6 June 1999, was very abundant in the Lafayette Woods Subdivision (KC). Moths (all MGL): **SPHINGIDAE:** Paratraea plebeja 6 April 1999, Deidamia inscripta, 10 March 1999. **NOCTUIDAE:** Anticarsia gemmatilis 11 March 1999, Plusiodonta compressipalpis, 16 April 1999 & 2 May 1999; Zale minerea, 3 March 1999; Zale lunata, 1 April 1999; Alypia octomaculata, 8 April 1999; Autoplusia egena, 15 March 1999; Spodoptera eridania, 21 February, 10 & 16 April 1999; Agrotis subterranea, and Pseudalattia unipuncta 16 March 1999. **NOTODONTIDAE:** Symmerista albifrons, 10 March 1999. **LYMANTRIIDAE:** Orgyia definita, 18 April 1999. **GEOMETRIDAE:** Anacamptodes defectaria 25 April 1999. **LIMACODIDAE:** Isa textula, 16 March 1999; Euclea delphinii, 2 April 1999.

**MISSISSIPPI:** Drew Hildebrandt, 710 Laney Drive, Clinton, MS 39056-6024 No Report.

**NORTH CAROLINA:** Steve Hall, NC Natural Heritage Program, Div. of Parks & Recreation, P.O. Box 27687, Raleigh, NC 27611; E-mail:stephen\_hall@mail.enr.state.nc.us

Place names refer to counties unless otherwise stated, and records are not new county reports unless indicated. HL = Harry LeGrand

**PIERIDAE:** Pontia protodice, individuals were observed in Mecklenburg on April 13 (Taylor Piephoff), in Durham on May 10 (Greg Dodge), and in Wake on May 23 (HL). At the last site, I watched a female ovipositing on Lepidium campestre. **LYCAENIDAE:** Incisalia augustinus, three were reported by Clyde Kessler in Alleghany (COUNTY) on April 22, and Simon Thompson found the species at South Mountains State Park in Burke (COUNTY) on April 9. Though probably not rare in these counties, knowledge of the distribution of the species is not well known, owing to a paucity of observations in the western counties in April. Mitoura hesseli, Harry Pavulaan noted one at Jones Lake State Park, Bladen, on the early date of March 30. Celastrina ebenina, Derb Carter and I observed a male on the late date of May 9 in Clay (COUNTY). On this same date in Macon, we saw a female ovipositing on unopened flower buds of Aruncus dioicus, the only reported host plant for the species. **NYMPHALIDAE:** Chlosyne nycteis, I found a very large population of 25+ in Randolph (COUNTY) on May 16; the species is scarce in the east-central Piedmont. Phyciodes batesii, the species was found in locally good numbers in the southwestern mountains this spring. At a known area in Clay, Rich Cech and Derb Carter observed as many as 16 on May 22, and 33+ on May 23, along two dirt roads. Logan Williams netted and released six individuals at a site in Graham (COUNTY) on May 13. However, I failed to find the species in three days of field work from June 8-10 in Watuaga. Based on my extensive field work in the northern mountain counties, I would guess that the species is not present there. **HESPERIIDAE:** Staphylus hayhurstii, noted this spring in the following as new COUNTY records: Person (Randy Emmitt), Yadkin (Emmitt, Jim Nottke). Hesperia metea, members of the Carolina Butterfly Society counted as many as eight individuals at Raven Rock State Park, Harnett, on April 10, showing that the species is not rare in central North Carolina. I found two individuals copulating in Cleveland (COUNTY) on April 13. Most of these individuals above were found in powerline clearings. Copaeodes minima, one seen on a Carolina Butterfly Society trip to Raven Rock State Park, Harnett, was very early on April 10. Atrytonopsis hianna, the following are new COUNTY records - Caswell (Randy Emmitt), Person (Emmitt), Montgomery (HL). Amblyscirtes hegon, one was photographed in Person (COUNTY), on May 15, by Randy Emmitt. The species is rather rare in the eastern Piedmont of the state. Other new COUNTY records this spring were three seen by Derb Carter and I on May 9 in Clay, and one seen by me on May 22 in Caldwell. Amblyscirtes vialis, the species was found at many sites this spring, with a peak count of 4-5 on several dates in April at Raven Rock State Park, Harnett (Paul Hart, HL). New COUNTY records were for Cleveland on April 13 (HL) and Scotland (R. Cech et al.). Megathymus yuccae, Scott Hartley had an excellent state count of 12 adults in Moore on April 10, and a field trip of the Carolina Butterfly Society uncovered a new site in Scotland, where at least 12 were counted on April 11. I found an adult at Raven Rock State Park, Harnett (COUNTY), on April 10. This last site is located along the southeastern edge of the Piedmont, where the only other known site for the species in the province is far to the west in Alexander.

**SOUTH CAROLINA:** Ron Gattelle, 126 Wells Rd., Goose Creek, SC 29445 No Report.

**TENNESSEE:** John Hyatt, 5336 Foxfire Place, Kingsport, TN 37664; E-mail:jhyatt@eastman.com; No Report.

**TEXAS:** Ed Knudson, 8517 Burkhart Road, Houston, TX 77055: E-mail: micheldl@WT.NET

7 & 8 May 1999: Bastrop County, Bastrop State Park. Knudson reported the following. Conditions: This part of Texas has had abundant rainfall this spring and conditions are excellent. However, it was hot and dry when he visited. Bastrop State Park is semi-isolated sandy pine - oak forest. Dominant trees are Loblolly Pine, Post Oak, and Black Hickory. The understory is largely Yuopon Holly and Farkleberry.

Butterflies: Satyrium calanus falacer, Satyrium liparops strigosum, Fixsenia favonius autolytus, Calycopis isobea, Mitoura gryneus castalis, and Atlides halesus corcorani were fairly common on Farkleberry blossoms, but quite local.

One male Appias drusilla neumogeni was collected in the park. (I have also seen one in Houston this year.) Several individuals of Amblyscirtes vialis were seen.

Moths: Catocalas were extremely abundant at bait, perhaps as many as 100 per tree. Species seen in order of abundance: Catocala similis, C. micronympha (all forms), C. louiseae, C. amica, C. lineella, C. ilia, and C. coccinata. Also common at bait was Acronicta tritona. One Acronicta funeralis was taken at bait. The Arctiid, Haploa colona was common at UV light. One Euerythra phasma was collected at light.

14 - 22 May 1999: West Texas Trip. Knudson and Bordelon visited several areas: 14 May; Castroville, Medina County. One male Euclimensia schwarziella (Cosmopterigidae) taken by Knudson at UV lights. This is a new STATE record for Texas having previously been known from Arizona.

15 and 22 May 1999: Del Rio, Val Verde County. The Geometrid moth, Acanthotoca graefii, was collected at UV lights. They also found the skipper, Ancyloxpha arene, to be fairly common in the park east of town (along Hwy 90). The Sesiid, Vitacea admiranda, was seen at pheromone bait on 22 May (about 1800 hrs.).

16 - 18 May 1999: Big Bend National Park: Conditions extremely dry (they have since had some rain. Few butterflies in Greenw Gulch. Most were found on blossoms of White Brush in the Chisos Basin; including Fixsenia polingii, Sandia macfarlandi and Cogia hippalus. Apodemia mormo duryi was found along roadsides near the Santa Elena/Study Butte junction.

Moths: Collected at bait in Green Gulch; Catocala babayaga, C. desdemona and Zale sabena. Collected at UV lights in Green Gulch: Haemtomis mexicana, Bruceia pulvurea, Cropia ruthaea, Monostoecha semipectinata, Eulithis luteolata, and Sphinx asella. Collected at UV lights in Dugout Wells; Givira theodori, G. arbeloides, Semiothisa piccoloi, S. azureata, and S. hypaethraeta.

19-21 May 1999: Davis Mountains, Jeff Davis County; Again conditions were horribly dry, but the summer rains began on our last day, and have continued. No nectar sources in evidence. Few butterflies.

Moths: Miacora perplexus, Lita obnubila, Oiketeticus townsendi dendrokomos, Lacinipolia lepidula, L. buscki, and L. rodora.

14 May 1999: Hondo creek, Medina County: The moth Mellitia snowii was found on its host plant (C. foetidissima), on 23 May 1999 they found Chlosyne janais.

Mike Quinn of Donna, Texas reported Dryadula phaetusa from the lower Rio Grande Valley. It was reported to Mike by Richard Lehman and Madge Lindsay; 21 April 1999, Weslaco, Hidalgo County. Bill and Jane Ruffin reported photographing an individual at the Santa Anna NWR Butterfly Garden, 7 miles south of Alamo, Hidalgo County. It was also reported by several butterfly watchers from a wooded lot on south Padre Island, Cameron County, 16 & 17 April 1999.

**VIRGINIA:** Harry Pavulaan, 494 Fillmore Street, Herndon, VA 20170: E-mail: hpavulaan@aol.com

For each species, counties are listed first. Note: several cities are listed as being COUNTY records, due to Virginia's "independent city" status, which is equal to county status. Following the county/independent city listing, are: date; name of nearest community and/or locality (if given); reporting person's initials; means of identification (if known) in parentheses; and any observational notes. Key to sources: AS=Amos Showalter, BG=Bruce Grimes, CK=Clyde Kessler, EM=Randy Emmitt, HP=Harry Pavulaan, JB=Janet Bruner, KS=Kent Summers, MD=Michael Donahue, RE=Robert Epperson, RL=Robert Lyon, SP=Sandra Pavulaan, SR=Steve Roble, WH=William Hark.

PAPILIONIDAE: Battus philenor: Arlington County (COUNTY): emerged from overwintering chrysalis 5/11/99, JB, larva found in garden in 1998. Grayson County (COUNTY): October 1998 (no location given), EM. Eurytides marcellus: Halifax County (COUNTY): 4/10/99, Staunton River Bridge Battlefield State Park, RE (sight). Papilio polyxenes: Arlington County (COUNTY): 5/11/99, JB, several ovae found on garden Fennel. Papilio glaucus: Southampton County (COUNTY): 4/16/99, TNC Blackwater Preserve, SR (sight). PIERIDAE: Pontia protodice: Fairfax County: 4/30/99, 5/4/99, Herndon Elementary School, SP (first date: possible female hand-captured/released, second date: mated pair observed), first report in region in many years, present on school grounds with abundant host Capsella bursa-pastoris. Anthocharis midaea: Halifax County (COUNTY): 4/10/99, Staunton River Bridge Battlefield State Park, RE (sight). Eurema lisa: Bath County (COUNTY): 7/9/98, (no location given), AS. Grayson County (COUNTY): October 1998 (no location given), EM. Radford City (2<sup>nd</sup> county record), 8/30/98, CK. Eurema nicippe: Fairfax County: 4/4/99, 4/8/99 (with Mark Walker), Hemlock Landing Regional Park near Clifton, HP (3 observed each date, sight, net/release); 6/4/99, Herndon, HP (sight), second brood emerging. Fauquier County: 4/25/99, Richard Thompson Wildlife Management Area near Markham, HP (net/release); 4/26/99, Blue Mountain summit near Linden, HP (net/release). Floyd County (COUNTY): 5/8/99 (no location given), BG (sight). Grayson County (COUNTY): October 1998 (no location given), EM. Prince William County (COUNTY): 4/4/99, Bull Run near Manassas Park, HP (sight). Southampton County (COUNTY): 4/16/99, TNC Blackwater Preserve, SR (sight). Unusually large spring flight for this species in northern Virginia. Fresh nature of individuals indicates overwintering. Phoebis sennae: Floyd County: 5/8/99 (no location given), BG (sight). Grayson County (COUNTY): October 1998 (no location given), EM. LYCAENIDAE: Satyrium calanus: Radford City (COUNTY): 6/27/98, CK. Satyrium liparops: Floyd County (COUNTY): 7/11/98, Blue Ridge Parkway, CK. Mitoura gryneus: Culpeper County (COUNTY): 4/26/99 (no location given), RL (photo). Richmond City (COUNTY): 8/30/98, Maymont Park, WH. Parrhasius m-album: Radford City (COUNTY): 4/5/99, 5/1/99, Wildwood Park, CK. Celastrina ladon (=violacea [Edwards]): Fauquier County (COUNTY): 4/10/99, Markham, HP (voucher). Celastrina neglecta: Floyd County (COUNTY): 7/11/98, Blue Ridge Parkway, CK. RIODINIDAE: Calephelis borealis: Radford City (COUNTY): 6/15/98-7/19/98, CK. HELICONIDAE: Agraulis vanillae: Roanoke County (COUNTY): 11/30/98, Roanoke River near Roanoke City, KS. LIBYTHEIDAE: Libytheana bachmanni: Richmond City (COUNTY): 8/30/98, Maymont Park, WH. NYMPHALIDAE: Euptoieta claudia: Grayson County (COUNTY): October 1998 (no location given), EM. Wise County (COUNTY): 5/18/99-5/19/99 (no location given), MD (sight). Speyeria diana: Loudoun County (COUNTY): 6/26/99, Sterling Park, RL (sight), distinct male observed for several minutes at close range, possibly ACCIDENTAL occurrence. Polygonia interrogationis: Halifax County (COUNTY): 4/10/99, Staunton River Bridge Battlefield State Park, RE (sight). Vanessa virginiensis: Grayson County (COUNTY): October 1998 (no location given), EM. Southampton County (COUNTY): 4/16/99, TNC Blackwater Preserve, SR (sight). Spotsylvania County (COUNTY): 5/30/99, Thornburg, HP (sight). Vanessa atalanta: Spotsylvania County (COUNTY): 5/30/99, Thornburg, HP (sight). Junonia coenia: Grayson County (COUNTY): October 1998 (no location given), EM. Basilarchia arthemis astyanax: Spotsylvania County (COUNTY): 5/30/99, Thornburg, HP (sight). Basilarchia arthemis f. proserpina: Fairfax County (COUNTY record for this form): 7/19/98, Vienna, HP (vouchered). SATYRIDAE: Enodia anthedon: Radford City (COUNTY): 6/27/98, CK. Megisto cymela (type-I spring taxon): Spotsylvania County (COUNTY): 5/30/99, Thornburg, HP (sight). HESPERIOIDEA: Erynnis juvenalis: Halifax County (COUNTY): 4/10/99, Staunton River Bridge Battlefield State Park, RE (sight). Erynnis horatius: Wise County (COUNTY): 5/18/99-5/19/99 (no location given), MD (sight). Erynnis icelus: Wise County (COUNTY): 5/18/99-5/19/99 (no location given), MD (sight). Erynnis baptisiae: Floyd County (COUNTY): 7/11/98, Blue Ridge Parkway, CK. Grayson County (COUNTY): October 1998 (no location given), EM. Pyrgus communis: Grayson County (COUNTY): October 1998 (no location given), EM. Pholisora catullus: Floyd Co. (COUNTY): 7/11/98, Blue Ridge Parkway, CK. Ancyloxypha numitor: Floyd County (COUNTY): 7/11/98, Blue Ridge Parkway, CK. Hylephila phyleus: Spotsylvania County (COUNTY): 5/30/99, Thornburg, HP (sight). Atalopedes campestris: Grayson County (COUNTY): October 1998 (no location given), EM. Polites peckius: Radford City (COUNTY): 6/27/98, CK. Poanes hobomok: Spotsylvania County (COUNTY): 5/30/99, Thornburg, HP (sight). Amblyscirtes vialis: Radford City (COUNTY): 5/2/99, Wildwood Park, CK. Roanoke City (COUNTY): 4/10/99, Mill Mountain Park, CK. Amblyscirtes hegon: Bedford County (COUNTY): 5/6/99, Blue Ridge Parkway at James River, CK.

**SOUTHERN LEPIDOPTERISTS' SOCIETY**  
c/o LEROY C. KOEHN, THE EDITOR  
6085 Wedgewood Village Circle  
Lake Worth, FL 33463-7371



Deborah & Terry Lott  
P.O. Box 141034  
Gainesville, FL 32614-1034

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