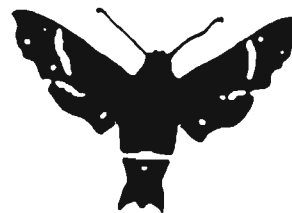




southern lepidopterists' news



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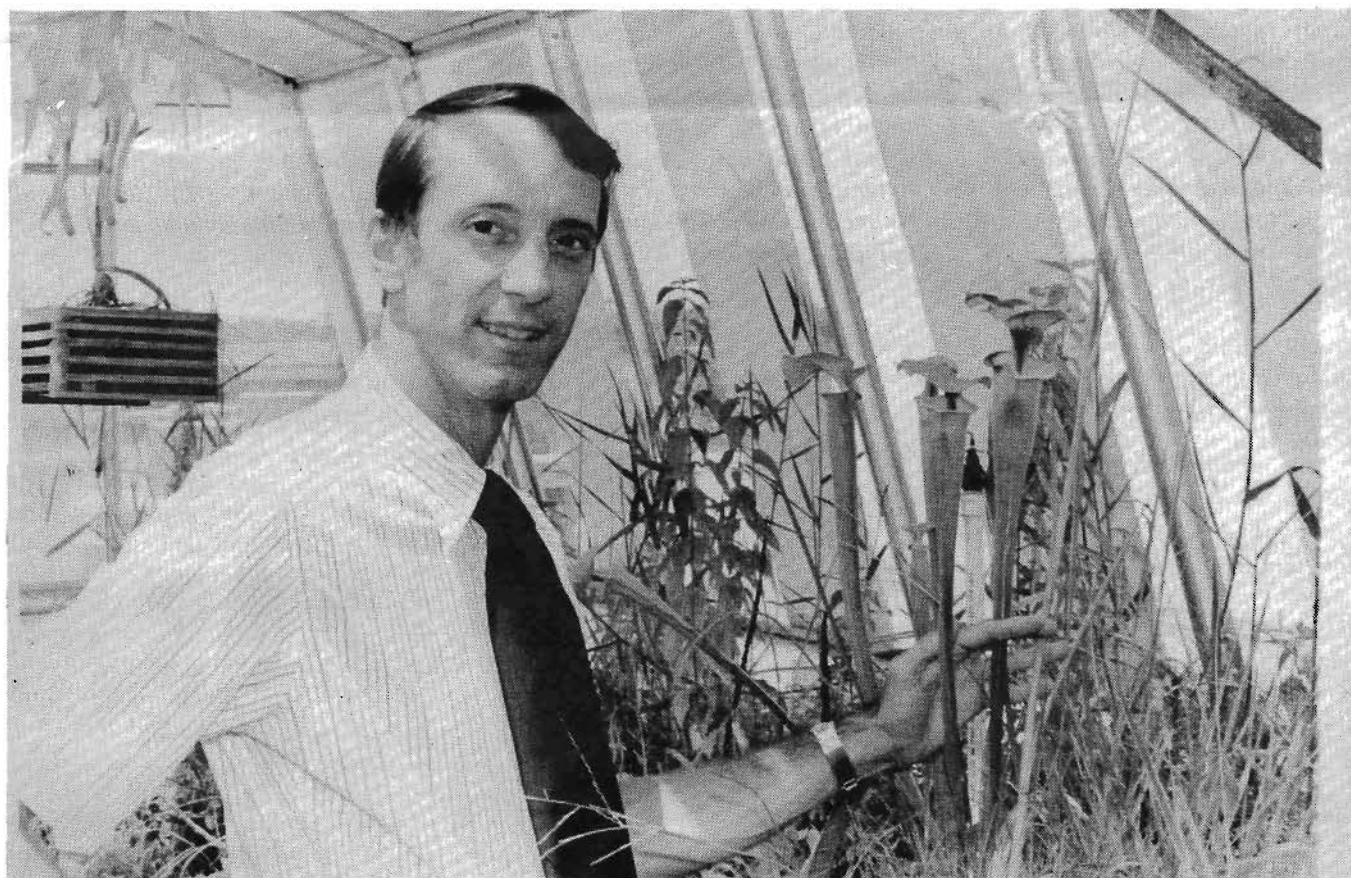
THE OFFICIAL PUBLICATION OF THE SOUTHERN LEPIDOPTERISTS' SOCIETY ORGANIZED TO PROMOTE SCIENTIFIC INTEREST AND
KNOWLEDGE RELATED TO UNDERSTANDING THE LEPIDOPTERA FAUNA OF THE SOUTHERN REGION OF THE UNITED STATES

CHAIRMAN: JEFFREY SLOTTEN

EDITOR: LEROY C. KOEHN

SECRETARY-TREASURER: TOM NEAL

AUTOBIOGRAPHICAL SKETCH OF THOMAS C. EMMEL 1990 JOHN ABBOTT AWARD RECIPIENT



Thomas C. Emmel

The first eighteen years of my life were spent in southern California, where I grew up in the city of Los Angeles. When I was eight years old, my father decided to keep me busy that summer by making me a crude insect net with wire, a wooden stick, and some curtain netting. My brother, who was five at the time, became enthusiastic about insects as well, and that summer began a competitive synergistic interaction which has continued to this day.

Our first collection was admittedly crude and we went through several stages of improvement, the most notable being prompted by my participation as a junior high and high school student in the Natural Science Workshop on Saturdays at the Los Angeles County Museum of Natural History. After taking the introductory fall courses in all the fields of natural history by the Museum curatorial staff, I joined the advanced Entomology class the following spring and studied with Fred S. Truxal and Lloyd F. Martin, curators of the Entomology Department at the time. Fred was an enthusiastic general entomologist with a special interest in the aquatic insects while Lloyd was a lepidopterist par excellence. Lloyd had started with butterflies, but was by that time concentrating primarily on moths.

My brother followed the same pathway three years later and we began our first studies on the Donner Pass butterfly fauna in the Sierra Nevada in 1956 and again in 1960. These were published in several papers starting in the Journal of the Lepidopterists' Society, with the encouragement of Charles L. Remington of Yale, then the Editor. From these general faunal studies of the ecology of California butterflies, we branched out into life histories, becoming particularly interested in the Papilio indra group and other members of the Papilio machaon complex across North America. We crossed many of these species and subspecies, reared and recorded previously unknown life histories, etc., and began publishing a series of papers on life histories. Even while I was at Reed College in Portland, Oregon, from 1959 to 1963, my brother and I continued collaborative studies in California at every opportunity.

In the winter of 1962-63, while a senior at Reed College, I met Paul R. Ehrlich after a seminar he gave at Oregon State University at Corvallis, and decided that I wanted to apply to Stanford University to do my graduate work with him.

From 1963 through 1967, then, I pursued my Ph.D. degree in Population Biology at Stanford University in California under the overall supervision of Paul R. Ehrlich. Additionally, Peter H. Raven was on my committee and exercised a great influence on me, particularly in encouraging me to take the Organization for Tropical Studies course in "Tropical Biology: An Ecological Approach", during early spring 1966, as a graduate student.

Following that experience in Costa Rica, while still working on my Ph.D. at Stanford and studying genetic and phenetic differentiation in Cercyonis and Euphydryas butterflies across the western United States, I took time to plan and direct four successive advanced entomology (with Daniel H. Janzen) and tropical biology courses in Costa Rica during February/March 1967, July/August 1967, February/March 1968, and July/August 1968.

During the year 1967-68, I was a Post-Doctoral Fellow in Genetics at the University of Texas at Austin as well, where I worked with Guy L. Bush on the ecological genetics of Chlosyne lacinia, and also started my long term project on evolution of chromosomes in butterflies. Material collected during the Cost Rican O.T.S. courses provided many of the initial butterfly chromosomes counts. Boyce A. Drummond was a student in my spring 1968 course and was already enrolled at the University of Texas at Austin, so he and I became good friends and he was to follow me to the University of Florida several years later, to get his Ph.D. there with me.

In September 1968, I started as Assistant Professor of Biological Sciences in Zoology at the University of Florida in Gainesville. Five years later, I was promoted to Associate Professor and Two years later (1975) I became Chairman of the Department of Zoology, a position which I held for eight years. In 1976, I was promoted to full Professor of Zoology and Director of the Division of Biological Sciences.

The 31st Annual Meeting of the Lepidopterists' Society, held in Gainesville in June 1980, was a pivotal event in several ways, particularly as it influenced my starting a series of foreign trips for lepidopterists. The Organizing Committee for the Gainesville meetings asked me to be responsible for the post-meeting field trips, and because of the great number of trips I had taken to Ecuador, Costa Rica, and elsewhere in the tropics during the 1970's, I immediately thought of organizing a low-cost collecting trip to Ecuador. We did offer such a trip in the pre-meeting announcements, and had such an overwhelming response (over 110 registrations) that we eventually organized four separate groups and accommodated a total of 85 people in those groups for a ten day trip to Ecuador (for only \$450, all-inclusive out of Miami!).

The 85 lepidopterists who went on this Ecuador expedition were so enthusiastic at the finish of it that they encouraged me and Holbrook Travel to consider organizing another group excursion in 1981. I had scouted the Dominican Republic on several research trips, and so in June of 1981, we took a total of 87 lepidopterists to the Dominican Republic for a week and had an outstanding expedition, as well as an informal lecture and slide program each night at the hotel in Jarabacoa. By using small buses and trucks to take small groups out to different spots daily, we minimized the impact on any one area for both collectors and butterflies. By 1982, we had so many people interested in going abroad that we decided to offer several trips and that year we went to Tingo Maria in Peru in June and to Papua New Guinea in November. From 1983 on, we generally offered 3 or more trips a year to diverse destinations all over the world, but always emphasizing insects (not just butterflies and moths) and photography, with the latter having an increasing emphasis as the years have gone by.

I have also been interested in writing books, from general ones on butterflies and ecology or general biology to specific faunal books on the butterflies in southern California (1973), butterflies of the whole state of California (in press), butterflies of southwestern Virginia (in press), butterflies of the Florissant region of Colorado (in press), and other areas. In all these projects, whether involving laboratory research at Florida, field work in Colorado on the population biology of *Cercyonis*, foreign field work to collect chromosome material and to introduce people to the tropics, or in writing books, I have tried to involve my students, both undergraduate and graduate students, as much as possible for their own benefit and educational background.

There is a lot left that I want to do and publish in all these areas, but it is certainly a lot of fun doing it, and I can't think of a more enjoyable vocational field that I could have pursued than the one I have followed in life so far. Lepidoptera certainly have a way of keeping a person perpetually active, and providing a challenging and exciting life with ever-broadening horizons!

RANGE EXTENSION OF *ANTHANASSA TEXANA SEMINOLE* IN MISSISSIPPI

BRYANT MATHER

Mather and Mather (1958) were aware of a single record of *Anthanassa texana seminole* in Mississippi, Lamar County, west of Hattiesburg, 3 Nov. 1956, collected by Barry Valentine. A second record, Fort Adams, Wilkinson County, 11 Oct. 1969, has not previously been published as such. However, it is the basis for the northwestern projection lobe into southwestern Mississippi in Fig. 121 of Opler and Krizek (1984). On 20 Oct. 1989, Peter Gati of Long Beach, Harrison County, told me, in a telephone conversation, of having encountered *A. texana seminole* there in October of 1989. This is a new county record.

Eve Dingus of Brandon, took a male and female of *A. texana seminole* at Barrett Dam, Rankin County, on 28 Oct. 1989. I have seen these specimens. She told me that she saw many others that day. This strongly suggest a major northward range extension since this locality is about 90 miles north of Hattiesburg.

LITERATURE CITED

The Butterflies of Mississippi, Tulane Stud. Zool. 6(2) 63-109.

Butterflies east of the Great Plains, John Hopkins Univ. Press, 294 pp.

SPRING FIELD MEETING TO PIGEON KEY CANCELLED AT THE LAST MINUTE!

LEROY C. KOEHN

The 1990 spring field meeting was to be held in the Lower Florida Keys the weekend of May 11, 12 & 13. The meeting was cancelled at the last minute due to a series of mis-communications and mis-understandings by several people with official position in the Florida Keys. Many long distant telephone calls were made to notify people not to come creating just a few of the many headaches and problems that we encountered as we cancelled the meeting.

Early in the Fall of 1988, Jeff Slotten and I decided to investigate the possibilities of holding a meeting in the Lower Keys. I made several trips to the Lower Keys searching for a place to hold a meeting. The only biological station of any type that I knew of was the Marine Research Facility on Pigeon Key. After many telephone calls and several more trips down to the Lower Keys, I was finally able to secure the use of the Pigeon Key facility which is owned and operated by Monroe County. Collecting in the Keys had never been a problem for your Editor. Although development of the remaining land scape goes on at a rapid pace, it was felt that there was sufficient area left to collect without doing any harm to the natural habitat and their inhabitants. After all, I and many others lepidopterists have been collecting in the Lower Keys for many years. Though there has been and continues to be habitat destruction, there are still many places where the choice species of the Lower Keys can be found. With the meeting schedule one year in advance, my only concern was whether the old seven mile bridge would remain intact and standing until the meeting.

In mid-April your chairman, Jeffrey Slotten, received a letter from the Key West Botanical Society informing him that collecting is no longer permitted at the old botanical garden on Stock Island. Their position is easily understood, as most of Stock Island has been developed. Protecting the remaining habitat and the species that occur there was understandable. Jeff and I felt that there were many other areas to collect and the loss of Stock Island would not be devastating to the meeting.

On May 10th, the Thursday before the meeting, your Editor received a very intimidating letter from the refuge manger of the National Key Deer Wildlife Refuge, Crocodile Lake National Wildlife Refuge, and the Great White Heron National Wildlife Refuge. She informed me that the U.S. Fish and Wildlife Service own lots of property in the lower Keys and the collecting butterflies on their property is prohibited. It also warned that trespassing on private property is illegal. It further warned that the collecting of threatened and endangered species was against State and Federal Law.

Maps were enclosed of the Lower Keys with "Collecting Prohibited" written on them with a red pen. The letter appeared to be a general warning that butterfly collectors were not welcome in the Lower Keys and that all state, local and federal laws would be enforced. It must also be noted that the letter was dated April 19, 1990, however, it was post marked "Big Pine Key" May 8, 1990.

After two hours of long telephone calls among the officers, it was decided to cancel the meeting rather than risk a confrontation members and pre-warned law enforcement agencies, land owners, and environmentalist. A gray hairstreak (*Strymon melinus*) in the possession of a collector could be misidentified as a threatend species by a law enforcement officer resulting in possible arrest of the collector. Due to the late receipt of the second letter, it left insufficient time to investigate the situation, determine what the letter actually meant, and still cancel the meeting if necessary. Considering the distance that anyone attending the meeting would have to travel we decided to cancel the meeting rather than let members travel the great distance only to learn that the meeting was canceled.

On Friday morning May 11, I telephoned the Refuge Manager, Deborah Holle, and set up a meeting with her late that afternoon. I did not arrive at the National Key Deer Refuge until 6:00PM. I met briefly with the manager and explained the purpose of our meeting and our collecting activities. She explained that an individual, whom she refused to reveal, had informed her of ourforth coming meeting. This individual gave her a copy of the meeting announcement and my old address. She then wrote and sent the letter to my old address. When it was returned as un-forwardable, she learned of my correct address and sent the letter on May 8th. This was the cause of the late arrival of the letter.

Mrs. Holle explained her position on the matter, what her intent was, and why she was so protective. Habitat destruction and indiscriminate aerial spraying of pesticides to control mosquitoes was the primary cause of butterfly endangerment. The over-collecting of butterflies by collectors was not beneficial either. She was protecting all living things that occurred on Refuge property. She read of our meeting and the species we were targeting and decided to warn us not to collect on refuge property. It was very evident to your Editor that she was trying her best to protect what is left of the Lower Keys, not only from lepidopterists, but from land development, pesticide spraying and local trash dumping as well. Your Editor admires her for her effort and convictions. She has a major task before her.

Your Editor was wrong in listing species of special concern as targeted butterflies for collecting. I knew of the National Key Deer Refuge and should have informed them of our meeting in the planning stages. This would have provided ample time to present the purpose of our meeting and would have allowed her to express her concerns. This would have avoided any mis-understanding. It is very unfortunate that these events had to happen.

As man develops the land and our remaining natural areas continue to decline, I believe that this is only the first of many encounters between environmentalists and lepidopterists. We must learn to work together to protect the habitats of butterflies or we shall all become like the dinosaur, extinct!

MEETING ANNOUNCEMENTS

SOUTHERN LEPIDOPTERISTS' SOCIETY MEETING ANNOUNCEMENTS

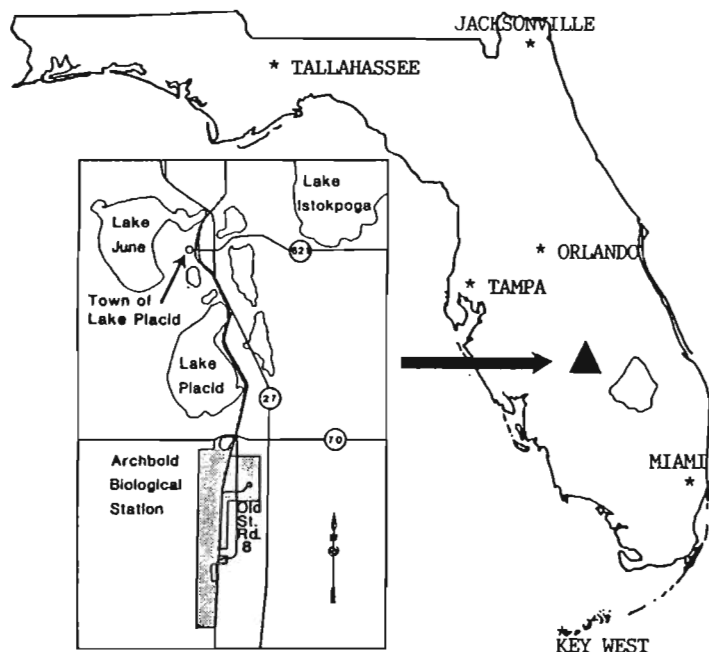
1990 ANNUAL MEETING AT THE ARCHBOLD BIOLOGICAL STATION

The 1990 Southern Lepidopterists' Society annual meeting will be held the weekend of October 12, 13, & 14 at the Archbold Biological Station near Lake Placid, Florida. The Station is located in Highlands County in the southern part of peninsular Florida nearly equidistant from the Atlantic and Gulf of Mexico coasts (See Fig. 1 & 2 ON Pg. #17). The main property of about 4300 acres is situated eight miles south of the town of Lake Placid. We will be using the ranch, MacArthur Agro-ecology Research Center. The ranch has dormitory style accommodations with showers. The cost will be \$25.00 per night, and this includes all meals on Saturday and breakfast on Sunday. A real bargain!!

The meeting will begin at 5:00PM on Friday evening. Dinner will be served at 6:00PM. UV lighting will be available in a wide variety of habitats located on the Ranch or at the Station. Saturday will be spent in the field collecting at both the Ranch and Station. At the Saturday evening dinner the John Abbott Award will be presented to Tom Emmel. If you have slides of your collecting activities or travels, please bring them as a projector will be available. Moth collecting will be available again Saturday night. Sunday will again be spent in the field. We will leave the Ranch at 4:00 PM for home.

This should be an excellent time of the year for collecting. Schinia moths should be at their peak, and this should be an excellent time for Hesperiid. The timing for this meeting is at the dark of the moon and should be ideal conditions for moth collecting.

Directions from the north: follow US 27 south through Lake Placid, continue south to State Route 70, turn east (left) on SR 70, travel approximately 7 miles. Look for the Southern Lep. Logo at "Sun Ray Farms" main entrance on the south side. Follow the road through the center of Sun Ray Farms groves and just as you cross the canal you will see the sign for MacArthur Agro-ecology Research Center. Follow the Southern Lep. logo signs to the Ranch. For those coming from the south, follow US 27 north through Palmdale, continue north approximately 22 miles to State Route 70, turn east (right) on SR 70. From this point use the same directions as above.



Location of Station

Fig.#1

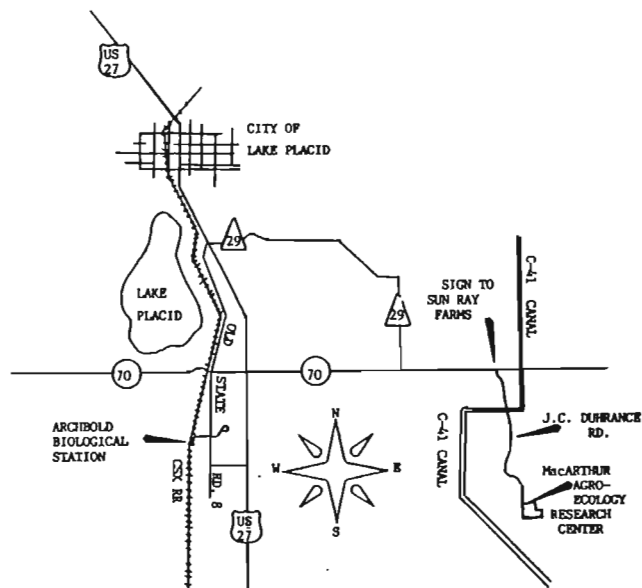


Fig.#2

Anyone planning to attend this meeting must make a reservation by September 20. Contact Leroy C. Koehn at 305-344-3873 or Jeffrey Slotten at 904 733 9281. This should be a great meeting. See you there!!!

1991 SPRING FIELD MEETING IN COSTA RICA

The 1991 Southern Lepidopterists' spring field meeting will be held in Costa Rica, June 7 through June 16. The Holbrook Travel agency of Gainesville, Florida will be handling the arrangements. We will depart from Miami, Florida on June 7 and arrive at Los Inocentes on June 8. We will have four full days and five nights of collecting before going to Sela Verde for three more days and nights of collecting before returning to Miami on June 16.

Los Inocentes is located in the northwestern part of the country. Finca Los Inocentes offers one of the best opportunities to visit some of the most important national parks in Costa Rica. The Finca site is on 6000 hectares of land which uses a small portion for cattle grazing while the balance remains wild with pristine forest. We will visit several other areas of diverse habitat and at numerous altitudes.

We will also be staying at Selva Verde Lodge in the Atlantic lowlands of northeastern Costa Rica. The lodge is located on a large tract of virgin tropical rain forest and rich second growth habitats. The dates of the meeting coincide with the dark of the moon and should provide outstanding moth collecting.

Total cost per person from Miami based on 10 participants will \$1247.00. Anyone who is interested in going on this exciting adventure must make a \$200.00 deposit before September 1, 1990.

For additional information and a brochure, or to make your reservation, contact: Leroy C. Koehn, 2946 N.W. 91st Ave., Coral Springs, FL 33065, Telephone 305-344-3873, or Holbrook Travel, Inc., 3540 N.W. 13th St., Gainesville, FL 32609, Telephone 904-377-7111.

CHANGES IN THE MEMBERSHIP

TOM NEAL

Included with this newsletter is a up-to-date membership list as of June 31, 1990. Any corrections or additions should be sent directly to the Secretary/Treasurer; Tom Neal, 3820 N.W. 16th Place, Gainesville, Florida 32605

THIS-N-THAT & OTHER TIDBITS

There is a rather new organization (late 1989) for those with an interest in tropical Lepidoptera, the Association for Tropical Lepidoptera. It is a non-profit organization for the support of research on the biology and systematics of the tropical and subtropical Lepidoptera of the world. Regions of interest include the temperate areas of South America, as well as Africa, Australia and New Zealand; northern limits will include such subtropical areas as Taiwan and central China, the Sahara region, and Florida and northern Mexico.

The Association for Tropical Lepidoptera publish a newsletter and Journal. The Tropical Lepidoptera Newsletter will be published on an irregular schedule of 4 issues per volume as material becomes available. The Tropical Lepidoptera Journal will be published semi-annually. Membership is \$25.00 per year and is open to all persons interested in lepidoptera.

For more information contact, The Association for Tropical Lepidoptera, Dr. John B. Heppner, Florida State Collection of Arthropods, P.O. Box 1269, Gainesville, Florida, 32602 (Tel: 904-372-3505)

RESEARCH REQUEST & MEMBERS NOTICES

WANTED TO PHOTOGRAPH FOR BOOK: Live ova/larva/pupa of lepidoptera from other areas. Most wanted: Papilios, Parnassius, Pierids, Nymphalids: (Fritillaries, Esp. *S.diana*, & *S.idalia*, *Anaea* sp., *Basilarchia* sp. *A.bredowii*, *H.misippus*, *A.jatrophae*, *Polygonia* sp., and *Eunica*.) Lycaenids, Heliconiids and Sphinx moths, *Thysania zenobia*, *Ascalapha odorata*, Saturniids and more, live Brown Recluse Spider and other interesting insects. Buy, trade specimens or slides. Send your list to: David Liebman, 981 S.Quail St., Norfolk, VA 23513, phone 804-853-4722.

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.

NEWSLETTER UP-DATE

There have been several changes in the zone coordinators, Mecky Furr of Germantown, Tennessee, will replace John Hyatt as the Tennessee zone coordinator. We would like to thank John for his many years as zone coordinator and for all the help and encouragement that he has provided to current and past editors.

John Coffman of Timberville, Virginia, has also resigned his position as zone coordinator for the state of Virginia. John has also been a zone coordinator for many years and has decided to pursue other interests and devote more time to his family. We wish to thank John for his efforts on behalf of the Society and wish him the best in his future endeavors. Anyone wishing to serve as the zone coordinator for Virginia should contact the Editor.

Our zone coordinators need your input, I know this sounds like a broken record, however, it is true. We need your input! Your collecting activities and research are important so that other researchers may make use of your records and observations. We know so little about the Lepidoptera from so many areas of our region that even the most common of species need to be collected and reported. Please let your zone coordinators know of your collecting activities. It is important!

CURRENT ZONE REPORTS

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

Knudson reported that the spring weather had been mild in eastern Texas, but with above normal rainfall. Record flooding has occurred on the Trinity River in May. Southern and western Texas remain fairly dry, but central Texas has had abundant rainfall this spring. All records below by Knudson, no contributors.

San Jacinto County, Double Lake: 18 March 1990.

Baiting produced 30 species, including one Actias luna! Surely an accident! Better species included: Zale minerea, Z. phaeocapna, Z. helata, Z. confusa, and Allotria elonympha. Hydria prunivorata was collected at light.

San Jacinto County, 29 April 1990.

25 species at bait, including 6 Catocala species. Better catches included: Catocala gracilis, C. orba, C. crataegi, C. clintoni, C. andromedae, and Lytrosis unitaria.

The Gaudalupe Mountains national park project continued, with three visits to the park this spring.

29-31 March 1990, Culberson County. Collecting was good in spite of cloudy weather and temperatures in the 50's!

Interesting species included: Litocala sexsignata, Egira simplex, and Orthosia nongenerica (Noctuids); Venusia duodecemlineata, Ersephila indistincta, Drepanulatrix unicalaria (Geometrids); and Eumysia mysiella (Pyralid).

21 April 1990, Culberson County.

Oncocnemis polingii, Oxycnemis grandinacula (Noctuids); Bucculatrix viguierae (lyonetiid).

17-19 May 1990, Culberson County.

Sphinx asella, S. chersis, S. istar (Sphingids); Automeris zephyria (Saturniid); Ectypia mexicana (Arctiid); Oncocnemis poliafascies, O. figurata (Noctuids); Chlorosea roseitacta (Geometrid); Ufa lithosella, and Phobus incertus (pyralids).

Knudson visited Noel McFarland at Concan, Uvalde County, Texas, on May 12, for an incredible night of moth collecting. Noel has spent 2 1/2 months collecting here this spring. Over 260 species were recorded (moths only). The moths collected on May 12 included: Catocala consors, C. messalina, C. frederici, C. similis, C. verrilliana, Cirrophanus triangulifer, Tripudia inquaesita, Cobubatha lixiva, Hemeroplanis trilineosa, Euxoa immixta (Noctuids); Drepanulatrix garneri (Geometrid); Ectypia bivittata, Euchaetes zella, E. pudens, Cisthene picta (Arctiids); Pyrausta napaealis, P. atropurpurealis, Petrophila daemonalis, P. heppneri, and Dioryctria caesirufella (pyralids).

One interesting record from Bellaire, Harris County, Texas, on 24 April was Ymeldia janae (Gelechiid), the first record from the state.

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, 7925 Cross Pike, Germantown, TN 38138.

ZONE III GEORGIA; Irving Finkelstein, 425 Springdale Dr. N.E., Atlanta, GA 30305

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

Highlighting the spring season of 1990 was Tom Neal's discovery of a colony of Incisalia irus along Hwy 215 near Middleburg, Clay County on March 8th. This is Tom's second state record butterfly addendum (the first being Pholisora catullus, Quincy, Gadsden County). Congratulations are again in store. Several other North Florida members converged on the area during March (Neal, Baggett, Kutis, Sloten, Minno, and Gillmore) to investigate the colony. The host plant was determined as Lupinus perennis, on which a number of larvae were later found. Rick Gillmore found an additional colony several miles away on Hwy 16 near Penney Farms, also in Clay County.

Other interesting catches at the Middleburg site included Erynnis brizo somnus, Celastrina argiolus, Hesperia attalus, Colias cesonia, and a female Paranthrene asilipennis, which was ovipositioning on a sapling oak stump in a power line clearing.

John Kutis continues to work hard on new moth records from north-central regions of Florida. His efforts are really paying big dividends with numerous records, including many southward range extensions and many records for species presumed to be quite rare in Florida. Some of his better catches include:

March 14, Jct. of Hwy 20 and the Waccasassa River, Levy County, Acronicta perblanda, Lytrosis sinuosa, Tripudia flavofasciata. In April he found several Melanomma auricinctaria and Ecliptopera atrocolorata.

In Marion County near Santos he collected numerous things between March and May: several better records are Acronicta noctivaga (common), A.spinigera, Dasychira atrivenosa, Achatodes zea, Olethreutes osmundana, Phaenasiophora niveiguttana, Sparganotheris niveana, and Coelostathma discopunctana.

On the weekend of May 26 he collected in the Blackwater River State Forest in Santa Rosa County where he collected Nymphulidella daeckalis and Baileya doubledayi. In a pitcher plant bog in the Apalachicola National Forest east of Wilma, Liberty County he found Exyra semicrocea, E.fax, Acronicta sinenscripta and Dasychira dominickaria. He also found the rarely collected geometrid Scopula purata.

In early June Kutis, Baggett, and Adair again collected the bogs and white cedar swamps between Wilma and Sumatra and found Scopula purata abundant. Although attracted to our lights it would not settle on the sheet and was best collected with nets above the lights. While exploring a white cedar swamp near New River, both Satyrium kingi (perched in the high cedars) and the second brood of Mitoura hesseli were collected. M.hesseli were not uncommon but extremely difficult to catch since they prefer to perch at this site at about 30 to 40 feet high in the cedar trees. Deerflies made the experience less than pleasant!

Marc Minno collected Schinia jaguarina on May 19 at the Ordway Preserve in Putnam County. It was associated with Baptisia perfoliata.

Baggett found Euphyes arpa present in a small wet prairie surrounded by palmettos west of Eau Gallie, Brevard County, on April 10. Brephidium pseudofea was collected in a salt marsh along the west shore of the Indian River near Oslo.

Lee Adair reported Lithacdia carneola on April 14 from Miccosukee, Leon County.

John Calhoun continues to explore central Florida for butterflies and provided extensive lists: best records included Panoquina panoquin, and P.panoquinoides, April 3, Hillsborough County. Many hairstreaks were out very early this season: Fixenia favonius, April 2, near Oldsmar, Pinellas County, April 4, Pasco County and Hillsborough County; Satyrium calanus on April 5, Levy and Sumter Counties; Satyrium liparops liparops on April 14 in Hernando County. Marc Minno reported that Fixenia favonius was just appearing in Putnam County in Mid-May.

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

Coffman reported a NEW STATE record for Virginia. Harry Pavulaan collected a live cocoon of Callosamia securifera along a stream on Magnolia virginiana. State route #35, .5 mile southeast of the Dinwiddie County line, Sussex County, Virginia. This determination is based on the very distinctive cocoon that this moth makes. Based on the distribution of this moth in North Carolina, Pavulaan suspects that this moth may occur even farther north.

Gatrell reported that spring was 2 to 3 weeks early. On Feb. 14 he found Phyciodes tharos, Nymphalis antiopa, Papilio troilus, Pyrgus communis, Polygonia comma and P.interrogationis near his home in Goose Creek. He also visited several local areas for Incisalia irus arsa and found none.

Gatrell also reported the following:

Jacksonboro, Colleton County, South Carolina, April 5. He found Lethe creola, L.portlandia, Satyroides appalachia, Megisto cymela viola, Hermeuptychia sosybius, Phyciodes tharos, and Poanes zabulon.

Cedar Bog near Aiken State Park, Aiken County, SC, on April 20 and 26. He collected Incisalia henrici ssp., Papilio palamedes, and Mitoura hesseli. He obtained ova from several female Mitoura hesseli. It took 14 days for the eggs to hatch and then all but one larva died in the first instar.

Near Holly Springs on HWY 357, Spartanburg County, SC, May 9. He collected Eurytides marcellus, Thorybes pylades and Achalarus lytiades.

Hwy 29 1 mi. E. of Jct I-85, Spartanburg County, SC, May 11. He found Speyeria cybele (Early record?), and 2 males of Atrytonopsis hianna/loanni that appeared to be normal A.hianna but with 3 prominent white basal spots.

Cape Romain area, Charlestown County, SC, on May 26, He took Papilio palamedes, Papilio polyxenes, Papilio troilus and a female of Pieris protodice. This is the first specimen of P. protodice that he has found in nearly 20 years of collecting in coastal South Carolina. The last record was in 1914. He also collected Colias eurytheme, another scarce species for this area. Four or five individuals were seen between the border a salt marsh and woods. Polites origines and Copaeodes minima were also taken.

Aiken State Park, Aiken County, SC, on June 1. He collected *Lethe creola*, *Basilarchia arthemis astyanax*, *Hesperia attalus slossonae*, *Harkenclenus titus mopsus* and a female of *Satyrium edwardsi* for a new county record and a southern range extension. Gatreille noted that the *S.edwardsi* was very interesting. It was a "perfect" looking *S.edwardsi* by the markings of the hindwing. However, the forewing and other hind wing markings are typical *S.calanus*. He suspects that southern *S.calanus* problem of Oak feeders vs Hickory feeders, early vs late, and light forms vs dark forms could well prove to be a southern subspecies of *S.edwardsi*. (Editors note; I for one would like to see this question resolved, it would help clean up the *S.calanus* mess in my collection.)

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

CATOCALA CAPERS

DR. FRANCIS ANNE ECKER



Editors Note: Did the illustration of Catocala Capers that appeared in the last issue seem to be out of place and not fit the page? It was not the original, but a quickly re-drawn copy as the original was lost between your Editor and the printer. Sorry about that. It must be my age catching up with me.

SOUTHERN LEPIDOPTERISTS SOCIETY MEMBERSHIP LIST JUNE, 1990

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Ken Alvarez, P.O. Box 398, Osprey, FL 33559 Naturalist, endangered spp.

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R.A. Anderson, 836 Amelia Ct. NE., St. Petersburg, FL 33702 Rhop., esp. Theclinae, Hesperioidea; coll., ex.

Richard T. Arbogast, 114 Monica Blvd, Savannah, GA 31419 Nearctic Rhop., stored product moths

Bill Babcock, 485 St. Andrews, Akron, OH 44303

Dave Baggett, 403 Oleander Dr., Palatka, FL 32177 Lep. of Florida, esp. Noctuidae and other moths

George Balogh, 6275 Liteolier, Portage, MI 49002 Lep. of Midwest, esp. Geometridae, microlepidoptera

Andrew F. Beck, Casa Irena, 3371 Knight St., Jacksonville, FL 32205-7858

- Bob Belmont, P.O. Box 2626, Naples, FL 33939 Geomtridae, esp. Itame
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- Ronald Boender, 3431 NE 17th Terrace, Ft. Lauderdale, FL 33334 Butterfly World; butterfly farming
- Richard Boscoe, 150-A101 Ridge Pike, Lafayette Hill, PA 19444 Butterflies & Skippers; rearing & life histories
- Donald W. Bowden, 4130 Chatham Hill Dr., Winston-Salem, NC 27104
- Norma J. Brambila, RR 3 Box 502, Alachua, FL 32615 Hymenoptera, Lepidoptera
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- Vernon Brou, 74320 Jack Loyd Rd., Abita Springs, LA 70420 Insects of LA, esp. Lep.; Coll., ex., buy, sell, trapping
- Richard L. Brown, Mississippi Entomological Mus., Drawer EM, Mississippi State, MS 39762 Lep. (Heterocera) of eastern U.S.; Olethreutinae of the world; museum development
- Robert S. Bryant, 522 Old Orchard Rd., Baltimore, MD 21229 Lep., esp. MD moths; behavior, distribution
- Charles T. Bryson, USDA ARS, P.O. Box 350, Stoneville, MS 38776 Lep., Carex (Cyperaceae), lep. feeding on Carex; esp. hesperiidae
- Donald E. Burtschi, RR 5 Box 623, Alvin, TX 77511 Rhop., esp. Papilionidae, Heliconiidae, rearing, buy, ex.
- John V. Calhoun, 3524 Old Village Way, Oldsmar, FL 34677 Hesperidae, Pieridae; butterfly dist. in OH & FL
- Thomas W. Carr, 6626 Weckerly Dr., Whitehouse, OH 43571 General, rearing Sphingidae of N.A., ova with female welcome
- Richard L. Cassell, 4003 Poplar Level Rd., Louisville, KY 40213 Moths, host plants, life history
- Robert Cavanaugh, P.O. Box 734, Morehead City, NC 28557 Rhop.; coll., photograph, rear. Japanese, Korean, Philippine
- Dr. Hoe H. Chuah, 7746 Spruce Haven Dr., Houston, TX 77095 Butterflies, Coll., photography & life history
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- Charles V. Covell, University of Louisville, Dept. of Biology, Louisville, KY 40292 Geomtridae, esp. nearctic & neotropical, esp. subfamily Sterrhinae; KY Lep.; Theclinae Nearctic & Neotropical
- Ray Coyle, P.O. Box 1321, Modesta, CA 95353
- Dennis A. Currutt, 7533 Mulberry Rd., Chesterland, OH 44026 Lycaenidae, Hesperidae; Pyralidae; coll., ex.
- Harry N. Darrow, 1470 Midland Ave., Bronxville, NY 10708
- Terry Dickel, P.O. Box 385, Homestead, FL 33030 Macro., Micro. of FL & CO; esp. Noctuidae, Pyralidae; life histories, rearing & genitalic studies
- Eve Dingus, 69 Glenway Place, Brandon, MS 39042 Butterfly rearing, gardening, collecting
- Yves-Pascal Dion, 3 St. Charles, Pont-Rouge, Quebec, G0A 2X0, Canada Butterflies of N.A. & Palearctic, esp. tundra Spp.

- Robert Dirig, P.O. Box 891, Ithaca, NY 14851 Butterflies, Macro-moths; Butterfly gardening; conservation; rare Spp.
- Tom & Pat Dooley, 145 Sea Park Blvd., Satellite Beach, FL 32937 Lepidoptera
- Joseph F. Doyle III, 13310 Bar C, San Antonio, TX 78253 Lep., Esp. Limenitis, Lycaenidae, Hesperidae; life histories, coll., ex., buy
- Dr. Frances A. Ecker, 2506 Crill Ave., Palatka, FL 32177
- Simon Ellis, Transworld Butterfly Co., Apartado 6961, San Jose, Costa Rica, Central America
- Thomas C. Emmel, University of Florida, Dept. of Zoology, Gainesville, FL 32611 Rhop., esp. Satyridae, Riodinidae; ecology, genetics, evolution; coll., ex., buy
- Douglas C. Ferguson, USNM Natural History, Syst. Ent. Lab. USDA, Washington, DC 20560 Taxonomy & biology of N.A. Geometridae, Arctiidae, "Deltoid" Noctuids; biogeography, moth migration
- Irving L. Finkelstein, 425 Springdale Dr. NE, Atlanta, GA 30305 Rhop., esp. Papilionidae, Lycaenidae; coll., ex., rear
- Hermann Flaschka, 2318 Hunting valley Dr., Decatur, GA 30033 Macro., coll., ex., rear
- Hugh A. Freeman, 1605 Lewis St., Garland, TX 75041 Catocala; ex., buy, will determine specimens for any collector in North America
- Samuel S. Frost, 3361 NW 18th Ave., Ft. Lauderdale, FL 33309 Lep., coll., identify
- Mecky Furr, 7925 Cross Pike, Germantown, TN 38138 Rhop., Macro., esp. Sphingidae, Saturnidae, Catocala, rear, ex., buy, sell
- Dr. Lawrence F. Gall, Yale University, Peabody Museum, Div. of Entomology, New Haven, CT 06511 Catocala; evolutionary biology; numerical systematics; computer applications in biology
- Ron Gatrell, 126 Wells Rd., Goose Creek, SC 29445 Lep., esp. Hesperidae, Satyridae, taxonomy; coll., ex., buy, correspondence welcome
- Loran D. Gibson, 8496 Pheasant Dr., Florence, KY 41042
- Col. Clyde F. Gillette, 3419 El Serrito Dr., Salt Lake City, UT 84109 Detailed butterfly Dist. & research in Utah, esp. Colias, Lycaena, Polygonia, & Boloria; Editor UTAHENSIS - A Lepidoptera Journal
- Rick Gillmore, 146 Clear Lake Circle, Sanford, FL 32771 Sphingidae, Catocala
- Ada Ginsburg, 710-1102 N. Ocean Blvd., Pompano Beach, FL 33062 Photography of Hemiptera
- John D. Glaser, 6600 Loch Hill Rd., Baltimore, MD 21239 Noctuidae
- Doris I. Gliser, 555 Carlos Ct., Ft. Myers Beach, FL 33931
- Robert Godefroi, MD, 18 Cobalt St., Wilmington, MA 01887 Rhop., coll.
- Vincent Golia, 155 Glover Ave., Yonkers, NY 10704
- Ben Gregory Jr., LSU, Dept. of Entomology, 402 Life Science Bldg., Baton Rouge, LA 70803 Systematics, Noctuidae
- Dana M. Gring, 6126 Harvest Lane, Toledo, OH 43623 All lep. except micros; coll., ex., rear
- Dale H. Habeck, University of Florida, Dept. of Entomology, Gainesville, FL 32611 Lep.; immatures, biology, esp. aquatic Pyralids & Arctiidae
- Gordon Halvorsen, RR 1 Box 137, Lovingson, VA 22949 Rhop., esp. Saturniidae, Papilionidae, ex., buy

Ken Hasen, 3348 Edgewood rd., Eureka, CA 95501

Steve Harley, 1310 Pinecrest Rd., Spartanburg, SC 29302 Tropical Lepidoptera

Frank W. Hedges, MD, 1195 Meadow Springs Ct., Kissimmee, FL 32743 Macro.; coll., ex., buy

John C. Heinrich, 22531 Tuckahoe Rd., Alva, FL 33920 Coll. E. U.S.A., list for Lee, Hendry & Collier counties in Florida

John R. Heitzman, 3112 Harris Ave., Independence, MO 64052 Nearctic butterflies, Lep. of Missouri, life histories

Parker & Donna Henry, 10960 SW 89th Terrace, Miami, FL 33176 Leps., general

John B. Heppner, Florida State Collection of Arthropods, P.O. Box 1269, Gainesville, FL 32602 Micro.

Larry A. Hill, 404 Brookshire Dr., Lilburn, GA 30247

Robert C. Hollister, 2347 S. Baird Dr., (5/15-11/1) Highland, MI 48031 Lep.; ex.

Robert C. Hollister, 9001 3rd St. n., (11/1-5/15) St. Petersburg, FL 33702 Lep.; ex.

David Holmquist, 8318-12 Doyle Springs Rd., Little Rock, AR 72209 North & South American butterflies

Dr. John Holoyda, 5407 N. Oketo Ave., Chicago, IL 60656 Mostly Sesiidae; trap studies involving pheromone isomers which attract these moths; collection of U.S. leps. maintained

John Hyatt, 439 Foerst Hills Dr., Kingsport, TN 37663 Rhop., Macro; coll., ex., buy

David C. Iftner, 8 Alpine Trail, Spartan, NJ 07871 Rhop. of NJ & their life histories, habitats, distribution; also prairie & wetland spp. esp. Hesperidae, Lycaenidae

Michael Israel, 421 E. Shore Rd., Great Neck, NY 11024 Rhop., Macro., rearing, coll.

Joel M. Johnson, 59 E. 400 N., Payson, UT 84651 Cercyonis, Notodontidae, Arctiidae, Hemileuca; will exchange

Roy O. Kendall, 5598 Mt. McKinley Dr. NE., San Antonio, TX 78251 Lep., life history, parasites, predators, distribution

Ed Knudson, 808 Woodstock, Bellaire, TX 77401 Heterocera, Hesperidae

Leroy C. Koehn, 2946 NW 91st Ave., Coral Springs, FL 33065 Lep. light traps, bait traps, pheromone traps; correspondence invited

Dennis M. Koopmeiners, 18044 Doral Dr., Ft. Myers, FL 33912 U.S. butterflies & moths

Tom W. Kral, 6600 N. Galaxy Rd., Tucson, AZ 85741 Rhop. Macro., esp. Satyridae (esp. Lethe, Cyllopsis, Neonympha, Cercyonis pegala); Lycaenidae, Apaturinae, Hesperidae (esp. Megathymus & Agathymus); Catocala, Arctiidae; correspondence welcome

Elaine Kruer, 6160 Seven Springs Blvd., Lake Worth, FL 33463 General; non-specific

Marc Kutash, 4314 S. Anita Blvd., Tampa, FL 33611 Heterocera dist., Geometridae; trade only

John S. Kutis, 9783 SE Hwy 441, Belleview, FL 32620

Michael Lefort, RR 1 Box 31A, Galliano, LA 70354 Lep.; coll., ex. correspondence welcome

Barbara Lenczewski, University of Florida, 3103 McCarty Hall, Gainesville, FL 32611 Lep.; ecology, behavior, migration, pheromones; FL Rhop.

- David Liebman, 929 S. Quail St., Norfolk, VA 23513 Photography of life cycles, esp. species from other parts of the U.S.
- Anton Littahorsky, RR 2 Corkery Rd., Carp, Ontario, K0A 1L0, Canada Lep.
- John B. Lombardini, 3507 41st St., Lubbock, TX 79413 General collecting
- Vincent P. Lucas, 800 - 301 Brick Mill Run, Westlake, OH 44145 Sphingidae, Hesperidae; lep. of stamps (philately)
- Alvin Ludtke, 6524 Stoneman Dr., North Highlands, CA 95660 Lep., esp. of western U.S.; Riodinidae, coll., life histories
- John R. MacDonald, P.O. Box 78, Starkville, MS 39759
- Howard Maier, 4679 Pine Green Trail, Sarasota, FL 34241 Naturalist: educator
- John W. Mason, 32 Maple Vale Dr., Woodbridge, CT 06525 Lep., esp. Lycaenidae, Satyridae; coll., ex.
- Bryant Mather, 213 Mt. Salus Dr., Clinton, MS 39056 Lep., Neuroptera, Trichoptera, Mecoptera of MS; coll., ex., buy, sell
- Deborah L. Matthews, University of Florida, Dept. of Entomology, Gainesville, FL 32611 Pterophoridae
- James Maudsley, 400 University Circle, Athens, GA 30605 Rearing, breeding, evolution of mimicry
- Michael McInnis, 22 Benchmark, New Albany, IN 47150
- Mrs. Joyce McNamara, 1311 Riverside Circle Dr. W., Bradenton, FL 34209 Nymphalidae, Saturnidae, philately
- SRA Alma Garces Mendina, Museo De Zoologica, Facultad De Ciencias, Apartado 70-399, 04510 Mexico DF
- James R. Merritt, 1729 S. 3rd St., Louisville, KY 40208
- Eric Metzler, 1241 Kildale Sq. N., Columbus, OH 43229 Noctuidae; life history
- Jacqueline Y. Miller, Allyn Museum of Entomology, FSM, 3621 Bay Shore Rd., Sarasota, FL 34234 Lep. zoogeography, taxonomy, systematics, esp. Castniidae, Hesperidae, Nymphalidae
- Lee D. Miller, Allyn Museum of Entomology, FSM, 3621 Bay Shore Rd., Sarasota, FL 34234 Systematics & biography of butterflies
- Paul F. Milner, 713 Bransford Rd., Augusta, GA 30909 Rhop. of Caribbean & Central America, Eurema; life history, photography
- Marc C. Minno, 303-18 Diamond Village, Gainesville, FL 32603
- Rick Miramon, 2639 N. Johnson, New Orleans, LA 70117 Breeding, rearing, Saturnidae, Automeris
- Steve Mix, 4033 Gloucester Rd., Rocky Mount, NC 27803 Macro., esp. of NC
- Robert C. Mower, 378 N. 650 E., Orem, UT 84057 Arctiidae, Saturniidae, Sphingidae, Catocala
- Ira Nadborne, 1793-21 Riverside Dr., New York, NY 10034 U.S. Lep. & Coleoptera worldwide. Papilionidae, Morphidae, Saturniidae, Sphingidae; Costa Rican Lep. & Coleoptera
- Thomas & Leslie Neal, 3820 NW 16th Place, Gainesville, FL 32605-4633 Lep., esp. Noctuidae, Geometridae; coll., rear
- Barry S. Nichols, 7004 Ethan Allen Way, Louisville, KY 40272
- Stanely S. Nicolay, 1500 Wakefield Dr., Virginia Beach, VA 23455 Rhop., esp. Lycaenidae, Hesperidae; coll., ex.

William Nix, 3430 Blvd. Chatelaine, Delray Beach, FL 33445

Dr. James H. Norwood III, 708 E. Anderson, Weatherford, TX 76086 Moths of Texas

Paul A. Opler, 5100 Greenview Ct., Ft. Collins, CO 80525 Distribution, ecology

Brain Pasby, 1025 Main St., Shrub Oak, NY 10588 Captive colonies, Heliconiids, Papilionidae, etc., behavior, conservation

Steven Passoa, USDA APHIS PPQ Bldg 3 #109, 8995 E. Main St., Reynoldsburg, OH 43068 Taxonomy of immatures, esp. Pyralidae & Oerophoridae

Harry Pavulaan, P.O. Box 2494, Rockville, MD 20847 Lycaenidae (esp. Celastrina complex), rearing, conservation, geographical distribution, mapping, butterfly gardening, coll., ex.

John W. Peacock, 51 Mill Pond Rd., Hamden, CT 06514 Macro., esp. Catocala, life histories, rear, coll.

Paul Pfenninger, 4085 Floral Dr., Boynton Beach, FL 33436 Rearing of silk moths, esp. Automeris & exotic butterflies; buy, trade

W. Levi Phillips, 2835 N. 840 E., Provo, UT 84604 Macro., esp. Hemileuca; life history, taxonomy, ex., buy

Maria Plonczynski & Drew Hildebrandt, 227 Hartfield St., Jackson, MS 39216 Butterfly & moth collecting, Esp. Lycaenidae & Noctuidae; Carabid beetles of the area

Floyd & June Preston, 832 Sunset Dr., Lawrence, KS 66044 Butterflies of North America north of Mexico

Chip Reed, 459 Grahamwood Dr., Memphis, TN 38122

W.B. Richfield, P.O. Box 1066, Goleta, CA 93116 Rhop., esp. Lycaenidae, Hesperidae, Sesiidae; buy, ex., sell

Pete Ritenour, RR 1 Bos 1276, Brazoria, TX 77422 Discovering butterflies & moths of TX; naturalist

Robert Robbins, Smithsonian, Dept. of Entomology, NHB 127, Washington, DC 20560 Hairstreaks (Lycaenidae), phylogeny

Kilian Roever, 3739 W. Townley Ave., Phoenix, AZ 85051 Rhop., esp. Hesperioidea, Theclinae; coll., ex., buy, sell

Steve Roman, 11224 Georgia Ave. N., Champlin, MN 55316

Dale E. Roth, 202 Pickerelltown Rd., West Liberty, OH 43357

Frank Rutkowski, 234 Fifth St., Jersey City, NJ 07302 Lep. life history plant relationships; buy live early stages

Mack Shotts MD, 514 W. Main St., Paragould, AR 72459 Lep., esp. Catocala; buy, trade

Jeff Sloten, 4083-1215 Sunbeam Rd., Jacksonville, FL 32257 Rhop., esp. Hesperidae, Saturniidae, Sphingidae, Catocala

David Smith, P.O. Box 105, Dennison, OH 44621

John A. Snyder, Furman University, Dept. of Biology, Greenville, SC 29613 Pigments of butterflies

John Spahr, 613 Locust Ave., Waynesboro, VA 22980 Lep., coll., photography

Dr. Thomas Stelnicki, 5707 Sycamore Dr., Tanglewood East, New Port Richey, FL 34654

Charles Stevens, 1026 Riviera St., Jacksonville, FL 32207

Major Jim Stevenson, 3900 Commonwealth Blvd., Tallahassee, FL 32399 Rare & endangered species, park checklists

J. Bolling Sullivan III, 200 Craven St., Beaufort, NC 28516 Rhop., esp. Theclinae, Riodinidae, Euptychia; coll., ex.

- George Sutton, 211 Rich St., Goderich, Ontario N7A 1X4, Canada Butterflies of the Caribbean
- Donald R. Tangren, 205 Cranor Rd., Murfreesboro, TN 37130 Macro. of N.A. esp. Noctuidae; coll., ex., sell
- Tom W. Turner, P.O. Box 6272, Clearwater, FL 34618 Rhop., esp. Pieridae; life history, coll.
- James P. Tuttle, 3838 Fernleigh St., Troy, MI 48063 U.S. Saturniidae & Sphingidae; biology & photography
- Richard D. Ullrich, 1108 Saybrook Circle, Lilburn, GA 30247 Lep., coll.
- John B. Vernon, 1135 McClelland Dr., Novato, CA 94945 Rhop. of N.A.; coll., ex.
- Carole C. Vollmer, 346 39th St., New Orleans, LA 70124 Danaidae, habitat conservation
- Ms Tory Vornholt, 4306 Edgewater Dr., Kennesaw, GA 30144 Butterfly gardening; painting & photography of same
- Dr. Thomas J. Walker, 10601 NW 23rd Ave., Gainesville, FL 32606 Butterfly migration
- Reed A. Watkins, 9258 Clio Rd., Spring Valley, OH 45370 Collecting, computerization of survey data
- Charles N. Watson, Clemson University, Dept. of Entomology, Clemson, SC 20634 Rhop., Macro., esp. Pieridae; coll., ex., buy
- Carl Weekley, 405 Williams St., Key West, FL 33040
- Howard V. Weems Jr., Division of Plant Industry, P.O. Box 1269, Gainesville, FL 32602 Diptera, Lep. of New World, esp. Florida
- Frances Welden, 7826 Willow St., New Orleans, LA 70118 Lep.; life history, photography, mitigation of Urban stress
- Katherine L Wildman, DBA Hearts & Flowers, 40 W. Broadway, Westerville, OH 43081
- Benjamin D. Williams, P.O. Box 211, Pomfret Center, CT 06259 Het., Arctiidae, Catocala, Saturniidae, Sphingidae, Sesiidae; rear, coll., ex.
- Dr. Steven G. Williams, Houston Baptist University, 7502 Fondren Rd., Houston, TX 77074 Butterflies, skippers & moths of SE & S. TX (and others)
- William D. Winter, 257 Common St., Dedham, MA 02026 Lep., life histories, photography
- Bill Wittman, 12220 Sulphur Springs, Rd., Adkins, TX 78101
- Don A. Woods, Florida Game & Fresh Water Fish Commission, 620 Meridian St., Tallahassee, FL 32301
- Roger A. Zebold, 675-B Sprague Rd., Wilmington, OH 45177 Speyeria, esp. idalia, diana; all N.A. Rhop., Heterocera
- J. Benjamin Ziegler, 64 Canoe brook Parkway, Summit, NJ 07901 Rhop., esp. Lycaenidae, Theclinae, Eumaeini; taxonomy, life history, food plants

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, 3820 N.W. 16th Place, Gainesville, Florida 32605

The SOUTHERN LEPIDOPTERISTS' NEWSLETTER
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