



TROPICAL LEPIDOPTERA NEWS

March/June 1993

No. 1-2



1993 ANNUAL MEETING

The 1993 ATL Annual Meeting was held in Gainesville, Florida, April 2-4, at the Florida State Collection of Arthropods. Attendance at the meeting came to 32 persons, including 26 members and 6 visitors.

Friday was registration and the FSCA open house, followed by an evening reception at the Gainesville Hilton Hotel, with dinner and a slide fest. A number of papers were presented on the main meeting day, Saturday, April 3 (see Page 4 for summaries). Photo Contest entries were displayed at the meetings.

One of the more interesting presentations Saturday was a video review of collecting in Rondonia, presented by Paul Runquist and his son Eric, of Ashland, Oregon.

The Sunday field excursion involved a trip to the Ocala National Forest, first by the Oklawaha River for swamp and mesic forest habitats, followed after lunch by a stop at Alexander Springs, one of the many clear natural springs in this area of Florida where the surrounding habitat is relatively dry. Numerous butterflies were observed and sampled. A stop was also made at Paynes Prairie.

FRONT ROW: Susan Fosnot, J. de Tonnancour, Richard Hesterberg, Paul Schultz, Carol Skillman, Fred Skillman, Frank Elia, James Adams, John Heppner, Jaret Daniels, Alfonso Alonso, Andre Sourakov, Manuel Balcazar, Jeff Sloten, Bob Belmont. BACK ROW: Lincoln Brower, Bob Lederhouse, Jean Filiatrault, Jorge Saraiva-B., Marc Minno, Keith Brown, Shawn Larsen, Eric Runquist, Peter Eilazar, Tom Emmel, William Russell, Bob Taylor, Paul Runquist, Boyce Drummond, Paul Milner.

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TROPICAL LEPIDOPTERA SEPARATES: Past journal articles can be purchased: \$1 first page and 25¢ for each additional page. Specify author, volume, and page numbers when ordering. Members may also buy additional journal issues: \$10 each (1990-92), \$15 each (1993).

ATL EXPEDITIONS

1993	Jul 15-Aug 1:	Sumatra, Indonesia
	Dec 4-12:	Tinalandia, Ecuador
1994	Jan 9-20:	Taiwan Butterfly Valleys
	Jun 4-12:	Malaysia
	Dec 3-18:	Chile
1995	Mar: [tentative]	Samoa/Fiji
	Jun: [tentative]	Thailand
	Aug: [tentative]	Honduras
	Nov: [tentative]	Rondonia, Brazil

HOLBROOK TRAVEL EXPEDITIONS: various Lepidoptera trips led by Dr. T. C. Emmel; brochures available.

TO OUR READERS

Our Annual Meeting was held in April, the election for officers is progressing, and the May journal issue is enclosed with this newsletter. The journal has still gotten behind again but most papers are nearly finished for the November issue, so we expect to get *TL* on time in November. We are moving to a four month lead time to compose the journal so you will have your issue in the month of issue. Supplements, of course, remain on an irregular schedule as they become ready for printing.

The membership continues to increase and is almost near the 1000 mark. However, there remain some members in arrears, which presents the society with considerable problems and expense in reminding members about their dues. Accordingly, starting with the 1994 dues, members will be assessed a \$5 late charge for dues received after December 31 of each year; this will partly offset the expense of processing late dues payments but hopefully the membership will help the society by sending dues on time. Members need to check their mailing labels to verify the year they are paid up for and also to note any errors that may have been made in not correcting the label; your notation of errors is much appreciated.

The Annual Report is presented herein. Members should note that considerable donations were received in 1992 for conservation projects, but since these monies are strictly allocated to these projects, general funds for the journal are still limited. For 1993, conservation donations are increasing even more, showing the concern many of our members have for the problems of conserving the diversity of Lepidoptera in tropical forest. Current conservation projects are centered in Rondonia but we should not forget the many other unique tropical habitats, other than tropical rainforest, such as pampas, deserts, and deciduous forests. Members who are aware of critical areas that need attention should contact ATL so other conservation projects can be initiated.

J. B. Heppner
Executive Director

NOTES

1. **1994 Annual Meeting:** April 8-10, in Gainesville. It will be our usual annual symposium on the tropical diversity of Lepidoptera worldwide. Please submit proposed talks.
2. **1994 Annual Photo Contest**
You are welcome to enter up to 5 photographs (8x10 inches) in each of three categories: butterflies, moths, and immatures. Each entry must also include a 3x5 inch photograph. Prizes total \$480; winning photographs and honorary mentions are published in *Tropical Lepidoptera* (see May issue for 1993 winners).
3. **Other News?** The reason you do not read many other news notes is because virtually no one is sending anything for the newsletter. We will be glad to make this a useful forum on tropical and subtropical Lepidoptera, but it takes your input to do so.
4. *Copaxa of Mexico:* Supplement 1 of 1993 was shipped in June.

ANNUAL REPORT 1992

MEMBERSHIP (December 31, 1992)

	Total	USA	Other Nations (61)
Life Members	21	9	12
Benefactors	2	2	--
Patrons	7	5	2
Sustaining Members	52	31	21
Regular Members	787	431	356
Basic Members	26	18	8
Exchanges	33	2	31
*Members in arrears	320	174	146
Members resigned	6	1	5
Died	3	1	2
TOTAL	928	498	430
1990 increase: +194	1991 increase: +503	1992 increase: +182	

FINANCIAL SUMMARY

RECEIPTS AND EXPENDITURES

ASSETS

	1992
Current Assets	
Net Funds (cash Dec 31)	4,712
Foreign Currency Dues	4,001
Publications Stock ¹	172,530
Endowments	--
Computer/Office Equipment ²	7,926
Total Current Assets	189,169
Other Assets	
Memberships Due	12,925
Life Memberships Due	2,250
Payments Due	23,624
Page Charges Due	8,760
Total Other Assets	47,559
Total Assets	\$ 236,728

LIABILITIES

Current Liabilities	
Printing Invoices	28,592
Supplies/misc.	1,107
Total Current Liabilities	29,699
Other Liabilities	
Notes Due	5,000
Total Other Liabilities	--
Total Liabilities	34,699

BALANCE \$ 202,029

RECEIPTS

	1992
Cash (from previous year)	6,158.71
Member Dues	26,093.00
Life Memberships	5,000.00
Newsletter Dues (Basic)	89.00
Foreign Currency Dues	4,001.10
Grants	13,400.02
Contributions	2,472.50
Conservation Donations	64,606.79
Publication Sales	11,849.95
Program Services (page charges)	6,746.94
Interest	78.40
Annual Meeting	530.87
Notes	--
Misc.	--
TOTAL RECEIPTS	\$ 141,027.28

EXPENDITURES

Conservation Projects	64,606.79
Research Projects	1,760.76
Research Grants	2,900.00
Tropical Lepidoptera Printing ³	30,836.09
Newsletter Printing ³	561.55
Photographic Costs	1,324.68
Book Stocks	6,437.50
Postage ⁴	7,179.66
Fees	1,473.63
Office Equipment	748.35
Supplies	3,525.83
Research Equipment/Supplies	10,500.02
Advertising	1,728.65
Interest (notes)	1,099.50
Annual Meeting	1,120.61
Misc.	469.98
TOTAL EXPENDITURES	\$ 136,313.60
BALANCE	\$ 4,711.68

1. Book value of back stock of publications (reduced as issues are sent to members)

2. Computer was transferred to ATL from the Neotropical Lepidoptera Project in 1989

3. Includes invoices carried over from previous year (additional invoices paid in 1993).

4. Includes postage for advertising.

ANNUAL MEETING ABSTRACTS

James K. Adams, Dalton College, Dalton, Georgia
"The Immature Stages of Anisota kendallorum and A. dissimilis: Implications on the Phylogeny of the Genus (Saturniidae)"

The immature stages of *Anisota kendallorum* and *A. dissimilis* were described for the first time. Immatures of three other *Anisota* species were also shown (*A. peigleri*, *A. consularis*, and *A. pellucida*), and similarities and differences between the immatures were discussed. Implications as to the phylogenetic relationships between members of the genus are inferred, not only from similarities between the larval stages, but also from behavioral and morphological data (much previously published by R. S. Peigler), and a tentative phylogeny was presented.

"The Interaction between Apodemia mormo deserti and its Foodplant, Eriogonum inflatum, in Death Valley National Monument, California (Riodinidae)"

The conditions in Death Valley National Monument are very dry and hot, and some of the topographical reasons for the xeric nature of the region were discussed in relation to the riodinid *Apodemia mormo deserti*. Plants and animals living in Death Valley face severe winter shortage problems, and each has developed certain characteristics which have been selectively advantageous in surviving the severe conditions. *Eriogonum inflatum* was discussed in terms of inflations in the stems which are apparently beneficial during the hottest months, and which are also beneficial to the larvae of *A. mormo deserti*, which uses the plant as a foodplant, by providing the larvae with a humid retreat during the day. The influence of larval predation on *E. inflatum* was also discussed.

Lincoln P. Brower, University of Florida, Gainesville, Florida
"Decimation of the Monarch Butterfly Overwintering Site in Mexico (Nymphalidae: Danainae)"

Slides were shown of extensive logging destruction to monarch roosting sites in Mexico, with discussion of the dangers the species may face in the near future with such extensive reduction of its overwintering sites.

Keith S. Brown, Universidad de Campinas, Campinas, S.P., Brazil
"Swallowtails as seen through their Juveniles, including Endangered Species (Papilionidae)."

An extensive dual slide projector light show was presented on various New World papilionid juveniles and their life history.

Boyce A. Drummond, Woodland Park, Colorado
"Diversity and Deception: Community Dynamics of Tropical Mimetic Lepidoptera"

A summary was presented of butterfly community population biology in tropical mimetic systems.

Frank Ella, Director, The Day Butterfly Center, Calloway Gardens, Pine Mountain, Georgia

"The Day Butterfly Center: a Moment in Paradise"

The Day Butterfly Center was featured in a well-illustrated talk, showing the extensive work involved in keeping this butterfly operational year-round.

Thomas C. Emmel, University of Florida, Gainesville, Florida
"Hurricane Andrew (August 1992) and its Impact on Butterflies of the Florida Keys"

Effects of Hurricane Andrew in south Florida, especially Elliott Key, were shown and discussed.

Dale H. Habeck, University of Florida, Gainesville, Florida
"Adventuring in Australia: Lepidoptera and Sightseeing"

A well-illustrated travelog of parts of Australia was presented.

Richard Hesterberg, Director, Wings of Wonder Butterfly Conservatory, Cypress Gardens, Florida

"The New Butterfly Conservatory at Cypress Gardens"

The Cypress Gardens butterfly house was featured in this presentation, showing various stages of construction and plans for housing this second Florida butterfly conservatory.

Robert C. Lederhouse, Michigan State University, East Lansing, Michigan

"Mark-Recapture of three Swallowtail Species in Southcentral Florida"

Mark-release-recapture studies were conducted on three species of swallowtail butterflies in Highlands County, Florida. Population dynamics for *Papilio glaucus* varied with the size of the habitat island and ranged from 50 to 500. At Highlands Hammock State Park, estimates for *Papilio palamedes* averaged about 100, yet estimates for *Papilio troilus* averaged about 50. Differential abilities of larvae of these two species to use the only available host, redbay, may explain this difference in adult populations.

Marc C. Minno, University of Florida, Gainesville, Florida
"Biology of Florida Skippers (Hesperiidae)"

The biologies of the Florida skipper fauna were summarized.

"Biogeography of Butterflies in the Florida Keys"

The biogeography of butterflies of the Florida Keys was discussed.

Paul & Eric Runquist, Ashland, Oregon

"Rondonia: the Ones that got Away!"

A video overview was presented of the Rondonia, Brazil, ecosystems, in relation to butterflies and other insects of the region. The video showed results primarily from a trip taken in November 1991.

MEMBER NOTICES

SPANISH BUTTERFLY PHOTOS in exchange for photographs of living butterflies from other parts of the world. Contact: Manuel Ortiz-Garcia, Virgen de la Soledad 20-A, 4 D, E-19003 Guadalajara, Spain.

MEETINGS

- 1993 **Lepidopterists' Society:** July 8-12, Ft. Collins, Colorado.
Xerces Society: July 10, 1993, Ft. Collins, Colorado (in conjunction with Lepid. Soc. meeting).
- 1994 **Association for Tropical Lepidoptera:** April 8-10, 1994, Gainesville, Florida.
Societas Europaea Lepidopterologica: September 1994, Moravia, Slovenia.

June 30, 1993