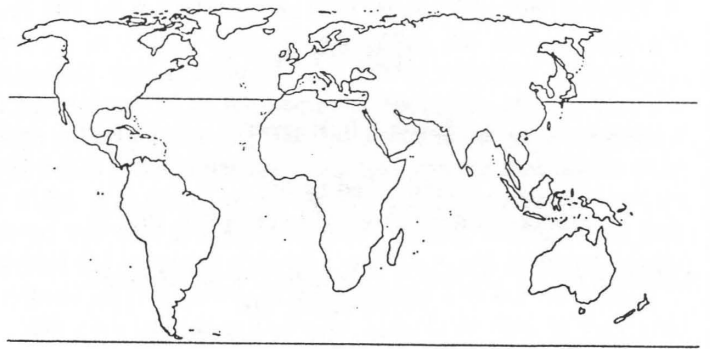


TROPICAL LEPIDOPTERA NEWS

September 1991 No. 3



FLORIDA STATE COLLECTION OF ARTHROPODS

Introducing the Florida State Collection of Arthropods, or FSCA, Gainesville, Florida. The FSCA is home for our society and houses the official State insect collection of Florida. It is not restricted to Florida insects, however, but is a worldwide collection that has grown to over 6.9 million curated specimens, the 5th largest insect collection in the United States. Lepidoptera at the FSCA comprise over 1.3 million adult specimens, plus about 100,000 larvae in alcohol. The FSCA collection is strongest in Florida and the southeastern United States, the Neotropical fauna, and Taiwan, but has some material from all areas of the world. Many groups of insects are represented at the FSCA by the largest collections in the world. The Odonata collection, including material that is already willed to the FSCA, comprises the largest collection in the world of adults and larvae of this order of insects. The FSCA has 8 staff entomologists covering the main insect orders, including one specialist on spiders: our society Editor and Executive Director is in charge of the Lepidoptera at the FSCA.

The close proximity of the University of Florida (the FSCA is on the edge of the campus) provides excellent training opportunities for students wanting to specialize in Lepidoptera biology and taxonomy, or tropical studies such as in zoology, ecology, or agriculture, etc. Numerous faculty and adjunct faculty provide various expertise to train and guide undergraduate and graduate students.

The Florida Museum of Natural History (FMNH) is also on the University of Florida campus and manages the off-site Lepidoptera collections in Sarasota, at the Allyn Museum of Entomology. Plans call for eventually moving the Allyn Museum to Gainesville when the FMNH has sufficient space to house it locally. The Allyn Museum houses about 900,000 Lepidoptera specimens, with special strength in Neotropical butterflies, although the collection is truly worldwide in coverage.

ELECTIONS

Many members sent in their ballots and demonstrated support for the two candidates for President and Vice President. Next election we will have a real choice! These mostly honorary positions will be held in 1992 by Dr. Claude Lemaire, as President, and Dr. Thomas C. Emmel, as Vice President. Nominations for the 1993 officers may be made by mail at any time, or at the next annual meeting. Membership voting on the nominees will be in summer 1992.

TROPICAL LEPIDOPTERA NEWS

Editor: J. B. Heppner

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The Association for Tropical Lepidoptera, Inc., is a non-profit corporation for the study and conservation of tropical and subtropical Lepidoptera of the world. Contributions are tax-deductible.

ASSOCIATION FOR TROPICAL LEPIDOPTERA

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TROPICAL LEPIDOPTERA SEPARATES: Articles from *Tropical Lepidoptera* can now be purchased for \$1 for the first page and 25¢ for each additional page. Specify author, volume, and page numbers when ordering. Members may also buy additional copies of *Tropical Lepidoptera* issues for \$10.00 each.

TRAVEL NOTICES

1991 Holbrook Travel Lepidoptera Expeditions:

Mar 13-24	Rondonia, Brazil
Apr 17-28	Rondonia, Brazil
May 24-Jun 7	Malaysia
Aug 10-24	Western Kenya
Nov 10-24	Rondonia, Brazil
Nov 24-Dec 8	Rondonia, Brazil

TO OUR READERS

Your Society keeps growing with new members and library subscribers. The membership list for 1990-91 will be sent to all members with the December newsletter; the list is already 26 pages long. The May 1991 issue of *Tropical Lepidoptera* has been posted and should be arriving to all members (please check your dues payment to verify payment for 1991). Remember, a life membership provides **first class** domestic mailing of your copy and free **airmail** to members outside of North America.

There are many interesting articles being sent in for publication in *Tropical Lepidoptera*, and many of these will contain high quality color photographs. We will keep trying to add features that will also be of interest to our amateur members, and welcome your ideas as well. Members may notice in the May 1991 issue that the quality of the text has been improved; this is due to a new printer who can take our computer disks and directly print copy from a high-quality imagesetter. Also, the color figures are printed at a higher number of lines per inch for maximum sharpness and definition.

The annual meeting will be a yearly Gainesville symposium on the tropical diversity of Lepidoptera worldwide. We hope more of you will be able to attend. The April meeting date continues to be the most useful in allowing many members to attend the meeting, but please let us know if other dates would be more convenient.

J. B. Heppner
Executive Director

NOTES

1. The 1990-91 list of members will be most conveniently published in the December newsletter. The list includes a cross-index to member interests, and will be a useful resource for arranging specimen exchanges and other information.
2. The May 1991 *Tropical Lepidoptera* issue was published August 30 and is in the mail to members paid up for 1991. It is expected that November issue will be on schedule. A supplement is planned which will treat Lepidoptera diversity and provide a key to families of the world.
3. Some of the specialized publications planned for 1991 have been shifted to 1992 due to lack of prepaid orders to date.
4. The *Hemerophila* article in the May 1991 issue of *Tropical Lepidoptera* noted the incorrect collector for specimens collected in Miami at the Deering Estate: the collector was T. S. Dickel, not L. C. Dow.

DUES IN FOREIGN CURRENCY

Members outside of the U.S. often have excessive bank charges for transfer of dues and other payments in U.S. Dollars. To help alleviate this problem, payment for membership can be sent as US\$25 in cash or in the following currencies and amounts (NOTE: this is for cash sent as paper money only):
FRANCE: F. 150.00, **GERMANY:** DM 45.00, **JAPAN:** ¥ 4,000,
UNITED KINGDOM: £ 15.00, **TAIWAN:** NT\$ 750.

LEPIDOPTERISTS' EXPEDITIONS PLANNED FOR 1992

Holbrook Travel of Gainesville, Florida, is announcing the following tentative schedule for its 1992 Lepidoptera expeditions, led by Thomas C. Emmel of the University of Florida, Dr. John B. Heppner of the Florida State Collection of Arthropods, and George T. Austin of the Nevada State Museum:

Apr 1992:	Rondonia, Brazil (two weeks)
May 1-8, 1992:	Tinalandia, Ecuador
Aug 1-15, 1992:	Taiwan, Republic of China
Sep 1992:	Rondonia, Brazil
Nov 1992:	Rondonia, Brazil

Specific dates will be published in the brochures on each trip, which are expected to be ready for mailing around the first week in November. If you want to be sure you are on the mailing list, drop a postcard to Holbrook Travel, Group Department, 3540 NW 13th St., Gainesville, Florida 32609, and you will receive a special First-Class envelope containing the 1992 trip brochures. Otherwise, trip announcements will be sent to all members of the Association for Tropical Lepidoptera and the Lepidopterists' Society, by rental of the mailing lists. However, those mailings go out by Bulk Rate mail and may take several weeks to reach you.

Dr. Thomas C. Emmel
Dept. Zoology, Univ. of Florida, Gainesville, FL 32611

A LEPIDOPTERA EXPEDITION THROUGH MALAYSIA

From May 24 to June 8, 1991, the Holbrook lepidopterists' expedition to Malaysia brought the delights and lepidopterological treasures of that fascinating country to 20 avid lepidopterists. We left Los Angeles International Airport on a Malaysian airlines flight at midnight on the 24th, flying to Honolulu and Taipei en route to Kuala Lumpur. There we met our fantastic guide from our 1987 expedition, Chang Kam Wor, who soon whisked us off on a grand tour of Kuala Lumpur. Because May 26th had disappeared when we crossed the international dateline on the exhausting flight, we started collecting on the 27th in the Kuala Lumpur area. From then on, the collecting and photography got unbelievably better every day! A full report, illustrated with color photographs by John Noble, Helen and Wallace Mullaly, and Tom Emmel, is being prepared for publication in the Spring 1992 issue of *Tropical Lepidoptera*, but here we might mention a few highlights.

In the Cameron Highlands, at Kuala Woh Park, we saw great numbers of *Trogonoptera brookiana albescens* landing on hot sand where sulphur-bearing water was bubbling up and attracting them to drink. They also soared ponderously like giant prehistoric pterosaurs over the river here. Visiting steep mountain slopes, aboriginal villages and wild canyons daily, we found large numbers of *Troides* and other swallowtails, *Cethosia* and a wide variety of nymphalids, *Delias*, *Celastrina* blues, and some wonderful *Arophala* and *Bindehara* hairstreaks as well as the very unusual *Allotinus* dusky "blues" (subfamily Miletinae of the Lycaenidae). At Taiping, we stayed in guest houses high on

Maxwell Hill at about 3,400-3,700' elevation. Diurnal collecting was terrific for such rarities as *Ideopsis* danaiids and *Troides* species, as well as many satyrids. But the most unbelievable collecting was at night for the moths, including Atlas moths, *Actias selene*, 50 to 60 species of sphingids, etc. In fact, the moth collecting was so good that a number of our lepidopterists refused to come down for meals and sent for their meals to be brought up to them! Worn out by the superb collecting here, we ended our trip at Penang Hill on Penang Island, where both diurnal and nocturnal collecting were excellent, including several endemic subspecies still existing on this well-settled island.

When we left Malaysia for the long flight back to the United States, we vowed that it would not be long before we planned another expedition back here to enjoy the incredible human diversity and natural diversity of this fantastic Asian country.

Thomas C. Emmel
Dept. Zoology, University of Florida, Gainesville, FL

ANNUAL MEETING April 10-11, 1992

The second Annual Meeting of the Association for Tropical Lepidoptera will be held at the Florida State Collection of Arthropods and the University of Florida, Friday and Saturday, April 10-11, 1992. Please mark your calendar and plan to attend. Speakers please send abstracts of proposed topics.

FLORA & FAUNA BOOKS

Natural History and Scientific Books

MOTHS OF AUSTRALIA (Common) [new]	\$ 165.00H
ILLUSTRATED MOTHS OF TAIWAN, 1 (Chang, B.) [C/L]	17.95
Pt. 2 (Chang, B.) [Chinese/Latin]	22.95H
SILKMOTHS OF TAIWAN (Wang) [Chinese/Latin]	8.00
MOTHS OF SOUTHEAST ASIA (Barlow)	42.50H
BUTTERFLIES OF CALIFORNIA (Comstock) [reprint]	27.50H
BUTTERFLIES OF SOUTHERN CALIFORNIA (Emmel, T.)	7.00
BUTTERFLIES OF COSTA RICA (DeVries)	22.50/60.00H
FLORIDA BUTTERFLIES (Gerberg/Arnett)	9.95
FLORIDA'S BUTTERFLIES & OTHER INSECTS (Stiling)	24.95H
BUTTERFLIES OF HISPANIOLA (Schwartz)	35.00H
BUTTERFLIES OF IDAHO (Curtis)[cancelled by Univ. Idaho Press]	
BUTTERFLIES OF INDIANA (Shull)	25.00H
BUTTERFLIES OF KENYA (Larsen) [new]	110.00H
BUTTERFLIES AND MOTHS OF MISSOURI (Heitzman)	13.50
BUTTERFLIES OF NORTH DAKOTA (Royer)	14.95
BUTTERFLIES OF THE ROCKY MTN. STATES (Ferris)	19.95
SPHINGIDAE MUNDIAE (D'Abrera)	182.50H
BAJA TOPO ATLAS [new] 12x18	29.95
BIOGEOGRAPHY OF THE WEST INDIES (Wood)	98.50H
ECOSYSTEMS OF FLORIDA (Myers) [new]	29.95
MEXICO, a higher vision (Fuentes) 9x12	49.95H
USSR natural history (Knystautas)	29.95H
WILD MALAYSIA (Payne) [new] 9x12	35.00H
ORDERS: FLORA & FAUNA BOOKS, P. O. Box 15718, Gainesville, FL 32604Tel: (904) 373-5630	

Deduct 5% from total and add shipping/handling of \$2 plus 75¢ each additional book (foreign orders add \$1.50 more per book).

ATLAS OF NEOTROPICAL LEPIDOPTERA — 125 volumes, 49 contributors

Editor: Dr. J. B. Heppner

Volume 2	— Checklist. Part 1: Micropterigoidea - Immoidea. 1984. (originally published by Dr. W. Junk Publishers, Netherlands)	\$35.00
Volume 3	— Checklist. Part 2: Pyraloidea - Tortricoidea. 1991.	\$19.95
Volume 5	— Checklist. Part 4B: Bombycoidea - Sphingoidea. 1992.	\$14.95
Volume 124	— Bibliography of Butterflies. By G. Lamas, et al. 1992. Annotated references from 1758-1990.	\$42.95

LEPIDOPTERA OF TAIWAN — 10 volumes, 30 contributors

Editors: Drs. J. B. Heppner and H. Inoue

Volume 1	— Part 1: Introduction and Catalog. 1991. The introduction includes a summary of Taiwan habitats, vegetation, and Lepidoptera families found in Taiwan.	\$39.95
	— Part 2: Faunal Synopsis. 1992. Synopsis to the Lepidoptera fauna of Taiwan, with about 1200 species illustrated in color.	\$89.95

LEPIDOPTERORUM CATALOGUS (new series) — 123 volumes

Editor: Dr. J. B. Heppner

Fascicle 1-17	— Micropterigidae - Palaephatidae. 1992.	\$ 9.95
Fascicle 118	— Noctuidae. 3 parts, 1314 pp. By R. W. Poole. 1989. (originally published by E. J. Brill Publishers, Netherlands)	\$135.00
Fascicle 118A	— Noctuidae: Introduction and Host Index. 1992.	\$27.95 (tentative)

TROPICAL LEPIDOPTERA — Semi-annual journal (includes newsletter) \$25.00 per year

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All profits to the Association for Tropical Lepidoptera.

MEMBER NOTICES

Torben B. Larsen: I am currently working on a comprehensive book entitled *Butterflies of Botswana*. I would be grateful for any interesting information on Botswanan butterflies, or indeed, any information at all. Data will be gratefully acknowledged in the book and all letters will be answered. Dr. Torben B. Larsen, Jacobys alle 2, DK-1806 Fredericksberg C, DENMARK.

John B. Heppner: Color photographs (slides preferred) are needed of larvae or pupae, and adults in life, of any Lepidoptera species from the Nearctic and Neotropical faunal regions, plus any from Taiwan. Photos will be used in species pages in the *Atlas of North American Lepidoptera* series, the *Atlas of Neotropical Lepidoptera*, and other series. Credits will be noted for each photographer; some royalty may be possible. Dr. John B. Heppner, FSCA, P. O. Box 147100, Gainesville, FL 32614-7100. Tel: (904) 372-3505

CARDS

Postcards of tropical butterflies make great Christmas cards or greeting cards. Only 25¢ each: 8 different butterflies are available, plus an iguana, macaws, rainforest, and poison-arrow frog. Gift cards (with envelopes) on high quality card stock, with one of the postcards affixed to the front of the card, can also be purchased for \$1 each, or \$12 for a complete set of 12 different images (8 are butterflies). The butterfly cards alone can also be requested as a set of eight cards.

A large 24 x 36 inch full-color rain forest poster showing all 12 card images and a large rain forest scene can be purchased for \$8 each. These posters are printed on heavy stock and are suitable for framing. The rainforest scene (11 x 24 inches) can also be purchased separately for \$4 each.

Your purchases will provide added funds for your society!

ASSOCIATION P. O. BOX CHANGE

Our Post Office box number has changed to the following: **P. O. Box 147100, Gainesville, FL 32614-7100.**
The same address change also applies to the Florida State Collection of Arthropods.