

TROPICAL LEPIDOPTERA NEWS

September/December 1994

No. 3-4



1994 ANNUAL MEETING

Gainesville, April 8-10, 1994

Members in the group photo are as follows (left to right): *Donna Tidwell* (Utah), *Jaret Daniels* (Florida), *Robert Lederhouse* (Michigan), *Bill Russell* (Georgia), *Mark Scriber* (Michigan), *Andrei Sourakov* (Florida), *Paul Milner* (Georgia), *Deborah Matthews-Lott* (Florida), *Lincoln Brower* (Florida), *Tonya Van Hook* (Florida), *Kenneth Tidwell* (Utah), *James Adams* (Georgia), *Dale Habeck* (Florida) [back row], *Mrs. Peter Hubbell* (Texas) [front], *Ulf Buchsbaum* (Germany) [behind Mrs. Hubbell], *Jim Taylor* (Georgia) [back row], *Vanessa Heppner* (Florida) [front], *Peter Hubbell* (Texas), *Jean Filiatrault* (Quebec, Canada), *Tom Emmel* (Florida), *Jeff Slotten* (Florida), *John Heppner* (Florida). One person (behind Dr. Brower) is not visible and remains unidentified.

1995 Annual Meeting: April 21-23, in Gainesville, Florida.

1995 ATL Photo Contest: remember to submit your entries by March 15, 1995. \$480 in prizes!

ATL EXPEDITIONS 1995 — CHILE, December 9-22: see p. 28 for details!

NEW LITERATURE: a new feature beginning with this issue of *TL News* (see p. 5)

Recent papers and books are noted, arranged by family and region.

TROPICAL LEPIDOPTERA NEWS

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Assoc. Editor: Thomas C. Emmel

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TO OUR READERS

In September 1994 the new *Holarctic Lepidoptera* journal was issued. The area of interest for *HL* is the northern hemisphere fauna, north of tropical zones. The first issue has several articles, including a 55-page full-color article on European butterflies by George Krizek, Paul Opler, and L. Havel. Many members have subscribed to the new journal but for those that have not, there are not many copies left, so send in your back issue request before they are all gone. Comments from many members have been positive for the new first issue of *HL*. We plan now to have two issues per year for both *HL* and *TL*, in alternating sequence of issue, each about 60 pages. This winter we should have another issue of *HL* ready for members.

Now that we also cover north temperate species, *TL News* will accept articles and notes for the northern fauna as well, although the emphasis will remain on the tropics.

In addition to support for our journals, a number of members have chosen higher membership levels or sent additional donations. These additional funds are much needed and gratefully received. Several members have also chosen life membership in 1994, which now has added value since we have four journal issues per year.

J. B. Heppner
Executive Director

NOTES

1. 1995 Annual Meeting: April 21-23, in Gainesville.

2. 1995 Annual Photo Contest

Members are welcome to enter up to 5 photographs (8x10 in) in each of three categories: butterflies, moths, and immatures. Prizes total \$480; winners are published in *Tropical Lepidoptera*.

3. Butterfly Valleys of Taiwan??

This trip was rescheduled for January 1995 but did not spark enough interest to members. Unfortunately, winter is the only time this unique phenomenon can be seen, being similar to the Monarch's overwintering in Mexico. In Taiwan, millions of butterflies of nine species congregate in a few valleys in southern Taiwan during the short winter season.

4. 1994 VOTING

Ballots can still be sent: deadline is December 31, 1994. Ballots will be tabulated in January and results reported on in the next newsletter. Please send nominations for 1996 officers.

OBITUARIES

We are saddened to learn of the deaths of the following members:
Atsushi Kawabe, of Tokyo, Japan, died in late 1993. Mr. Kawabe was a retired high school science teacher and a specialist in Asian Tortricidae. He was a contributor to the recent catalog of Taiwan Lepidoptera. His large collection has been purchased by the Smithsonian Institution.
Victor B. McHenry, of Bend, Oregon, died July 3, 1994. Mr. McHenry published many articles on Lepidoptera nomenclature and other subjects.
Anthony J. W. Owsten, of Kent, England, died in 1994.

John M. Plomley, of Hollywood, Florida, died October 19, 1994. Mr. Plomley developed a large collection of butterflies and moths. His collection has been willed to the Florida State Collection of Arthropods.

JOURNAL SEPARATES: Articles are \$1 first page and 25¢ for each additional page. Specify author, volume, and page numbers when ordering. Past journal issues: \$10 each (1990-92), \$15 each (1993-94) [\$30 for *Holarctic Lepidoptera*]. *TL News*: \$5 per year.

EXPEDITIONS: Taiwan/Malaysia – cancelled due to lack of interest. Let us know to what areas you would like trips organized for discount travel!

CONSERVATION ALERT! UNWANTED SCHAUS SWALLOWTAILS!

The last issue of *TL News* noted the rearing program for the endangered Schaus swallowtail, *Papilio aristodemus ponceanus* Schaus, being conducted in the laboratory of Dr. Thomas C. Emmel, at the University of Florida, Gainesville, Florida. Now that over 1,500 pupae are overwintering, Dr. Emmel is finding that local bureaucrats in South Florida are refusing permission to release the hatching butterflies next May in areas outside of Biscayne National Park. In addition to Elliott Key, Biscayne National Park, and north Key Largo — the only current areas left in the Florida Keys known to have the subspecies — Dr. Emmel wanted to release live pupae and adults throughout the traditional range of the butterfly, from south Miami to the middle Keys, wherever hammocks and hostplants still survive. For example, the large protected hammocks of Matheson Hammock in Coconut Grove, Miami, the protected LignumVitae Key Preserve, and remaining hammocks on Upper Matecumbe Key, are within the historical range of the Schaus swallowtail and could be proposed as release sites.

It seems that some local authorities do not want the butterfly released on land under their supervision, since they then would be responsible for its protection. Dr. Emmel now holds probably more Schaus swallowtail butterflies than have been alive in the Keys at any one time since more than 40 years ago, yet is unable to properly distribute them in its range due to bureaucratic nervousness. Here is a case where great foresight, in transporting egg-laying females from Hurricane Andrew-ravaged areas of the Florida Keys and propagating larvae in a laboratory over the past two years, has resulted in a conservation success, but only in the lab, because protected-land stewards do not want the endangered species back on their land! This must be one of the more bizarre conservation episodes in recent memory. Saved from near extinction, the recovering butterfly populations are not wanted back! Stay tuned for further developments.

NEW JOURNAL

ACTIAS

Russian Journal of Scientific Lepidopterology

Vol. 1, September 1994. ISSN: 0132-8050.

On November 26, 1994, I received the first issue of a new journal, *Actias* (subtitled *Russian Journal of Scientific Lepidopterology*). This is a major breakthrough in Russian lepidopterology, which has never lacked enthusiastic people, but has always lacked support of the government and scientific bureaucrats. *Actias* is supported by private sponsors and the Zoological Museum, Moscow State University (publishers are M. A. Kiryushkin and K. G. Mikhailov. Editor is A. V. Sviridov).

The first issue immediately impresses the reader by the high quality articles, authored by distinguished Russian lepidopterists. Included are 10 articles, on systematics, distribution and biology of Russian Lepidoptera, in English or Russian (with an English translation, or an English or German abstract). The first issue has 127 pages, and is liberally illustrated with halftone photographs.

Address orders to: Dr. K. Mikhailov, Zoological Museum, Moscow State University, Herzen naber 6, K-9, ROS-103009 Moscow, Russia. Price is not stated. E-mail: kmk@gpntb.msk.su.

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1995 HOLBROOK EXPEDITIONS FOR LEPIDOPTERISTS

Holbrook Travel of Gainesville, Florida, in cooperation with **Thomas C. Emmel**, Director of the Division of Lepidoptera Research at the University of Florida, is planning a series of tropical lepidopterist-oriented expeditions during 1995 to various parts of the world.

From January 13-17, an expedition to see the overwintering Monarch colonies in central **MEXICO** will be led by Dr. Emmel. We plan to spend three full days in the Monarch colonies near El Rosario in central Michoacán, Mexico, at about 10,000-11,000' elevation. There, we will hike to the Monarch colonies in early morning hours, and see them on their roosting trees, then watch them awakening to the early morning sunlight, expanding their wings, and taking flight near mid-day to nearby streams in order to drink. In the early afternoon, these millions of Monarchs will stream back uphill to resume their position on the roosts. Excellent photographic opportunities and quiet hours of watching this fascinating series of behaviors will reward the traveler on this trip. We will also take time to see some of the other natural-history and cultural sights of this region west of Mexico City, and around the capital city itself.

During March 4-12, we will have an expedition to **FRENCH GUIANA** in northeastern South America. This is a repeat of a 1986 expedition to this extremely interesting location, where a wealth of diversity of butterflies and moths, as well as giant beetles, await the entomologist at this time of the year. Based at a small but nice garden hotel in Cayenne, we will make a series of trips out to various sites in the interior and along the coast for collecting. We anticipate that nocturnal collecting will be done in cooperation with one or more of the local French lepidopterists who have specially-equipped, generator-powered light towers that bring in moths and other nocturnal insects in unbelievable numbers.

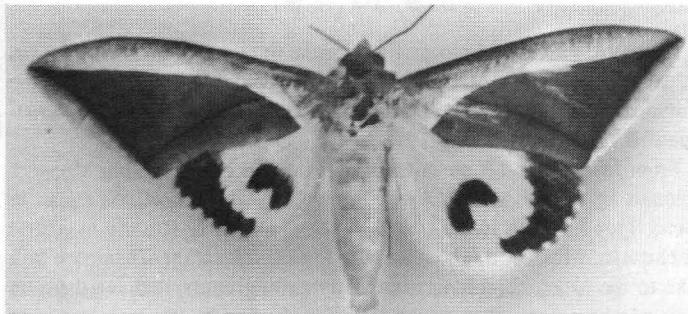
During June 10-16, we will return to **TINGO MARIA, PERU**, for the first time since 1987. This fabulous site has over 850 species of butterflies and a wealth of other rain forest insects to photograph and collect. We will be staying at the Hotel Turista on the outskirts of Tingo Maria, and explore the rain-forested canyons along the central river valley located at about 2,400' elevation. This is probably the finest rain forest site in western South America for the photography of a great diversity of butterflies and offer virtually unlimited opportunities for finding *Morphos*, *Agrias*, *Prepona*, *Adelpha*, *Papilio zgreus*, and other desirable species.

During July 4-20, we will be offering an incredible expedition to the **FAR EAST REGION OF RUSSIA**, located both north and south of Vladivostock. In regions bordering both China and Viet Nam, we will find an astounding diversity of arctic, temperate, and subtropical species of butterflies, moths, and beetles. This will be a rugged expeditionary trip, but one that offers the first opportunity for Western lepidopterists to get into this area and experience both the natural history and culture of this fascinating region. This may well be a once-in-a-lifetime opportunity to explore Far Eastern Russia and collect the fabulous hairstreaks, nymphalids, papilionids and other species of this unique region.

Finally, from December 1-17, we hope to have an expedition to **PAPUA NEW GUINEA** which will involve sites in the lowland rain forest on the northern coast, the highland regions of the central interior, two biological stations in especially interesting areas, and the fabulous Bulolo Valley. This will be a spectacular adventure!

To receive details on any of these trips, you may write directly to Mr. James L. Nation, Jr., Sales Manager, Group Department, Holbrook Travel, 3540 NW 13th St., Gainesville, Florida 32609, or call him toll-free at (800) 451-7111.

UNUSUAL CATOCALINE FROM TAIWAN



The illustrated specimen of the large moth, *Eudocima salaminia* (Cramer) (Noctuidae: Catocalinae), which has green forewings and orange/black marked hindwings, was collected 12 August 1992 at Upper Palin, Taoyuan County, northern Taiwan (ca. 4050 ft elev.). This unusual specimen appears to show a genetic or growth deformity in the left hindwing. It does not appear to represent a bilateral or mosaic gynandromorph.

ANDREW KLUESENER

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BOOK NEWS

Swallowtail Butterflies of the Americas, by Tyler, Brown and Wilson

This long-awaited book was published September 30, 1994. The publisher states that copies have been sent to all customers having ordered the book since it was first announced in 1992. The unanticipated delay by the authors in finishing the work none-the-less provides the reader with a virtual encyclopedia of New World swallowtails and all subjects relating to them. The book contains 157 color plates and figures, yet does not cost \$300 as might be expected from some publishers. List price is \$49.50 for the cloth edition and \$24.50 for the paper-bound student edition (reserved for bonafied students and third-world residents; limit of 2 per person). There also is an autographed leatherette-bound edition, limited to 100 copies, for \$150. Customers who have not received their copy (lost in the mail?; wrong address?) should contact the publisher: Scientific Publishers, Inc., P. O. Box 15718, Gainesville, FL 32604.

Moths of Western North America. A new series of distribution atlases for western North America has been initiated. Part 1, on Saturniidae (by Richard Peigler and Paul Opler), and Part 2, on Sphingidae (by Michael J. Smith), are in print as of 1993. Both are available for \$10. Contact: Dr. Boris Kondratieff, Dept. of Entomology, Colorado State University, Ft. Collins, CO 80525, USA.

Die Tagfalter der Türkei, by Hesselbarth, van Oorschot, and Wagener.

This winter 1995 release represents many years and over 60 trips to Turkey to study the butterfly fauna of this large country on the boundary between Europe and Asia. About 500,000 specimens have been studied. The work will be in three volumes, with a total of about 1400 pages of text and 234 color plates, plus over 600 pages for 346 maps and 103 SEM photographs, all covering 342 species. The bibliography cites about 3000 papers. The text is in German. The subscription price of DM 580 (about \$385) is valid until December 31, 1994, whereafter the list price will be DM 780. An invoice will be sent upon publication, whereupon payment should be sent. To reserve your copy write to: Dr. P. Sigbert Wagener, Hemdener Weg 19, D-46399 Bocholt, Germany. (FAX: 49-2871) 340-053.

BOOK REVIEW

Synonymic List of Butterflies from the ex-USSR

by V. K. Tuzov

1993. Moscow: Rosagroservice. ISBN: 5-7366-0001-3.

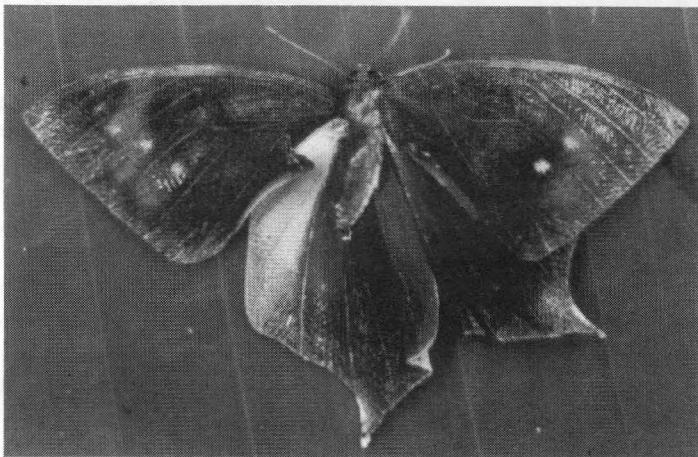
Orders: Novocheremuskinsky str., 51-2-45, ROS-117418 Moscow, Russia.

The territory of the USSR once represented almost a geographic unit — so isolated it was from the rest of the world by the "borders on the lock", as comrades liked to say. However, recent changes made this territory more accessible for the foreigner, including butterfly collectors. Those are known to be the first visitors to regions where normal people would not even think of going. So, the Soviet Union is now, from the point of view of the butterfly collector, a hot spot (if it is appropriate to say so about one-sixth of the Earth's land area). The butterfly fauna of the ex-USSR territory is studied comparatively well due to the great number of amateurs, whose level as field workers and sometimes as taxonomists often exceeds professionals. However, because of the absence of coordination, all the data accumulated in the last seventy years were either stored in people's minds and field notes, or were published in small unnoticed papers all over the world. The book is a first and successful attempt to overcome the chaos in systematics and put all the information on nomenclature and distribution of Soviet butterflies in one place. It contains a taxonomic list of all the butterfly families for the ex-USSR territory, and contains information on species and subspecies distribution as well as information on synonymy. It is published in English, with an introduction in English, German, and Russian. The availability of this work is unknown to me. One might try to write to the author himself. I, for my part, will try to get permission from the author for copying the manuscript and distributing it among the members. In case of success, it will be announced in the next issue of *TL News*.

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TRAVANCORE EVENING BROWN IN KERALA, INDIA



In mid-May 1993, a specimen of an exceedingly rare south Indian butterfly, *Parantirrhoea marshalli* Wood-Mason (Nymphalidae), called the Travancore evening brown, was collected near the Periyar Tiger Reserve. This species was last seen about 60 years ago. The specimen is part of an on-going survey by the Nature Education Society Thrissur to document the butterfly fauna of the Periyar Tiger Reserve, sponsored by the Kerala Forest Department.

SURESH ELAMON

Birdwing, C.I.T. Rd., Killipalam, Trivandrum 695 002, India

NEW LITERATURE

This first review of new Lepidoptera literature covers 1993-94. It is incomplete, since most economic and basic biology papers on Lepidoptera have been excluded; but an attempt has been made to include all the more important papers of interest to most lepidopterists. The focus of this literature summary is for taxonomic and biological papers, and not the many molecular, chemical and economic papers published each year, unless they are of particular interest or in the lepidoptera journals. Literature monitors would help make these listings more complete. If you can volunteer to search for references in your country, please contact the Editor. Volunteers are especially needed for Australia, Brazil, China, India, Japan, Mexico, Russia, and United Kingdom. Users should note that the *Societas Europaea Lepidopterologica* had an annual bibliography of papers on European Lepidoptera in the 1980s, and is more recently doing so again, but this does not include north Africa or the eastern Palearctic to Japan.

The bibliography has 784 papers divided into sections for the subject matter of the papers cited: general (including obituaries and techniques), morphology, Holarctic, Neotropical, and economic papers. The economic section includes only those papers on Lepidoptera pests that may be of possible interest to our membership. Within the Holarctic and Neotropical sections the papers are listed alphabetically by family, or under the more general headings of Heterocera, Lepidoptera, and Rhopalocera. Notations are made in square brackets after some citations for the country or countries involved, or the family being discussed, when this is not obvious from the title. Papers listed with English titles but with text in other languages, have the text language noted in square brackets at the end of that citation. Papers are dated with dates of issue, thus some citations show a cover date at the end different from the actual date of issue (papers not noting the true issue date in the issue have the correct date in square brackets). **J.B.H.**

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- ADELIDAE**
- Kozlov, M. V.** [41]
 1993. New species of *Cauchas* Zeller (Lepidoptera: Adelidae) from the Altai and Tianshan Mountains. *Nota Lepid.* (Basel), 16:113-123. [Russia]
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A monographic treatment of all species of New World swallowtails, family Papilionidae. The text is a virtual encyclopedia of studies on swallowtails and butterflies in general, covering numerous subjects, from morphology of all stages to chemical ecology, behavior, population biology, genetics and mimicry, biogeography, phylogenetics, and conservation. The work includes over 1100 line drawings and figures, and 157 color plates. Included are a glossary, bibliography, index, and an extensive gazetteer of New World localities. Keys and notes allow identification of all species, including immatures (eggs, first and fifth instar larvae, and pupae).

1994. 376 pp.; end maps (8½ x 11 in). ISBN: 0-945417-90-X (cloth)

September 1994

0-945417-91-8 (paper student edition: \$24.50), 92-6 (deluxe leatherette autographed edition: \$150)

SWALLOWTAIL BUTTERFLIES: their Ecology & Evolutionary Biology

edited by J. Mark Scriber, Yoshitaka Tsubaki, & Robert C. Lederhouse

\$65.00^s cloth

This compendium of a conference in Yokohama, Japan, covers a wide range of biological subjects concerning swallowtail butterflies, with a focus on the most current developments worldwide. Subjects include chemical ecology, population dynamics, mimicry, mating behavior, genetics, evolution, and conservation. The 35 chapters are authored by a total of 42 experts in the various subjects treated. The work includes 32 pages of color plates, plus a bibliography of over 2,000 references. All faunal regions are covered.

1995. viii + 459 pp., 32 color pl. (8½ x 11 in). ISBN: 0-945417-89-6

January 1995

BOOKS IN PRINT

BUTTERFLIES OF CALIFORNIA [facsimile reprint]

by John A. Comstock [editors: T. C. Emmel & J. F. Emmel]

\$27.50^s cloth

Reprint of the 1927 classic treatise on California butterflies and skippers. Included is an introduction and biography of John Comstock, a bibliography of Comstock's papers, and a new checklist of California butterflies by Thomas C. Emmel and John F. Emmel. Hard bound in a leather-like binding.

1989. ix + 334 pp, 63 B/W plates (6 x 9 in). ISBN: 0-945417-21-7

BUTTERFLIES OF THE FLORIDA KEYS

by Marc C. Minno & Thomas C. Emmel

\$18.95^s paper, \$31.50^s cloth

All 106 butterfly species recorded for the Florida Keys are included in this color treatment. More than half the species also occur further north in Florida. Fascinating sections on the history of the Florida Keys, their climate, plant communities, and butterfly ecology, make this an exceptional coverage for this unique fauna. All species are illustrated on 29 color plates, plus some larvae. Additional color figures are in the introductory sections. A bibliography of Florida literature on butterflies and an index are included 1993. viii + 168 pp (8½ x 11 in). ISBN: 0-945417-87-X (paper), 88-8 (cloth) [signed edition: \$75]

ORDERS: Scientific Publishers, P. O. Box 15718, Gainesville, FL 32604

- add postage (\$2.00 first book, \$1 each additional book; \$1.50 more per book outside of USA; large books add extra \$1 per book)

ATL EXPEDITIONS — CHILE 1995

December 9-22 CHILE: Southern Beeches & Volcanos

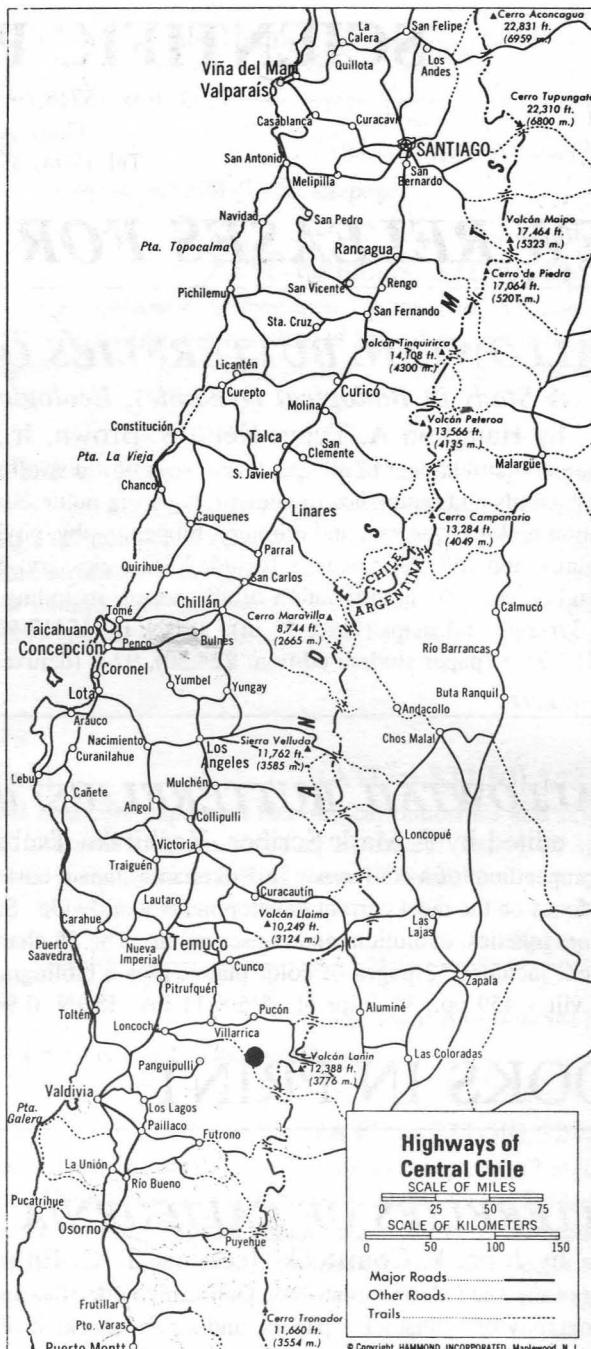
This exciting 2-week ATL Expedition to Chile, led by Executive Director Dr. John B. Heppner, will involve a lepidopterological visit to the ancient and fascinating southern beech forest of central Chile, the Valdivian region. This trip will allow surveys of unique species of butterflies and moths found no where else, since this area of South America has long been isolated from the Amazon. The southern forests include such primeval trees like *Araucaria* and *Nothofagus*, resembling fossil trees living during the age of the dinosaurs! Lepidoptera also include many ancient groups and unusual species, for example, the beautiful metallic-colored satyrids and Andean pierids. Help with local arrangements will be by Prof. Andrés Angulo, Universidad de Concepción, and local travel arrangements will be with the help of veteran Chilean entomological explorer and naturalist, Luis Peña.

Arriving in Santiago, our group will proceed to Temuco, then to the mountain forests near Lago Villarica. An excellent mountain lodge, situated on hot springs near Termas de Panguín, will be our temporary home in the forest for moths and butterflies, with day-trips to varied habitats nearby. More adventurous excursions to remote areas, including trips to beautiful Lago Llanquihue and Volcán Osorno, will be available at extra charge under guidance from Luis Peña. Volcanos and mountains over 3500 meters altitude abound in this region. There are several national parks nearby for visiting, while collecting can be done outside the parks. Travel from the USA will be arranged from Miami (members from Europe and other countries would meet the group in Miami for departure to Chile). Tentative costs are \$2,950 per person, based on a party of 12 (includes airfare from Miami, lodging and meals; drinks are extra). For further announcements and reservations, contact ATL.

CATALOG OF MEXICAN SATURNIIDAE

by C. R. Beutelspacher-B. and M. A. Balcázar-L.

TL Supplement 1 (December 1994), members \$10 (non-members \$18). The *Catalogo de la familia Saturniidae de Mexico* lists 193 species of giant silkmoths (Saturniidae) known for Mexico. Distribution information is given for each species, both general and detailed within Mexico. The authors have searched literature references and major collections for specimen data. This is the first catalog of Saturniidae for Mexico since the Lepidoptera catalog of C. C. Hoffmann of 1942. An extensive bibliography is included. Order from ATL (postpaid).



MEETINGS

1995 Association for Tropical Lepidoptera: April 21-23, Gainesville, Florida, USA.

Lepidopterists' Society: June 29-July 2, Minneapolis, Minnesota, USA.

3rd International Caribbean Conference of Entomology / Florida Entomological Society: August 6-10, San Jose, Costa Rica

1996 Association for Tropical Lepidoptera: April 12-14, Gainesville, Florida, USA.

Societas Europaea Lepidopterologica: April, Madrid, Spain

XX International Congress of Entomology: August 25-31, Florence, Italy

NOTICES

BOOKS FOR SALE: 14 books of D'Abrera's *Butterflies of the World* series are for sale at 80% of the list prices (mint condition), including *Afrotropical* (1), *Neotropical* (5), *Oriental* (3), *Australian* (1977 and 1990 editions), *Holarctic* (2), and *Birdwing Butterflies of the World* (boxed). Write to: Dave Hyatt, 6145 E. San Bernardino St., Tucson, AZ 85715, USA. Tel: (602) 885-1195.

FOR SALE: Butterflies of the Caucasus. Vol. 1. Papilionidae, Pieridae, Satyridae, Danaidae, by Y. P. Nekrutenko. This 1990 book is still available from the author for \$50 (add \$20 airmail or \$10 surface postage) (cloth, 215pp, 32 color pl.). Send payment (money order) for transfer to Mr. Nekrutenko, in the Ukraine, payable to: Dr. P. Sigit Wagener, Hemdener Weg 19, D-46399 Bocholt, Germany.

LOST MEMBERS! Rob Dobbs, Tuscaloosa, AL. Rolf Drueke, Baulkham Hills, NSW, Australia. Thierry Varenne, Draguignan, France.