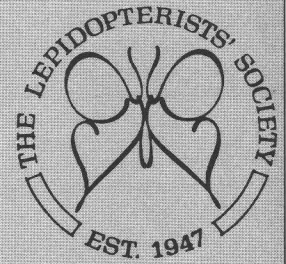


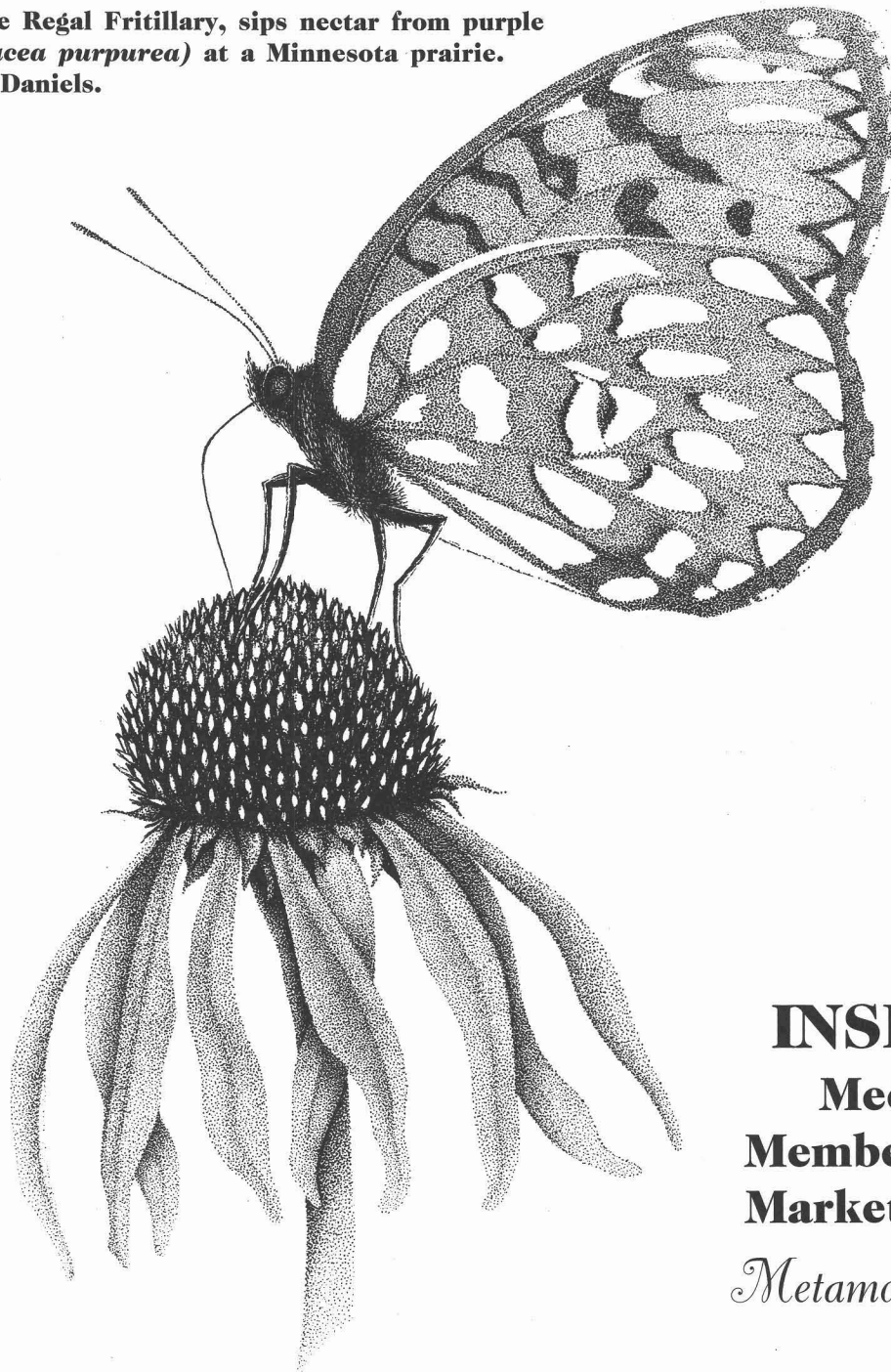
News of the Lepidopterists' Society



Number 2

June 1995

Speyeria idalia, the Regal Fritillary, sips nectar from purple coneflower (*Echinacea purpurea*) at a Minnesota prairie.
Drawn by Jaret C. Daniels.



INSIDE:
Meetings
Membership
Marketplace
Metamorphosis

News of the Lepidopterists' Society

Number 2

June 1995

Edited by Marc C. Minno and Maria F. Minno

Contents

Election Of Officers -- 1995 Results	35
1995 Annual Meeting.....	36
The North American Butterfly Association -- Xerces Society	
Fourth of July Butterfly Counts	37
Lepidopterists' Society, Pacific	
Slope Section, 41st Annual Meeting, University of California, Berkeley, 21-22 October, 1994	38
Texas Lepidopterists Meet in San Antonio.....	38
A Wonderful Lepidopterological Experience: The 9th European Congress of Lepidopterology, September 5-9, 1994	40
Are You Waiting for the <u>Atlas of North American Lepidoptera?</u>	41
Material Needed for the Lepidopterists' Society News	41
RangeMapper 2.2 For Macintosh Computers: A Species Distribution Mapping Program	42
Books and Journals	43
The Market Place.....	44
Caribbean Wildlife Surveys	48
ASC Publications	48
Metamorphosis	49
Membership	50
Marketplace Policy Statement	53
ASC Request for Lepidoptery Literature	53
Cover Illustrations	54

Editors' Note

Thanks to all the members who wrote such positive comments about our first News! It is a lot of work to put out this newsletter. Your encouragement helps make it all worthwhile.

It's butterfly season just about everywhere now, and we know you'll be trying to cram as much time outdoors into your already busy schedule. But we hope you take a few minutes out from your pursuits to read the Season Summary and the latest news about the Lepidopterists' Society.

Hope to see you in Minneapolis!



The Lepidopterists' Society

The object of the Lepidopterists' Society, which was formed in May 1947 and formally constituted in December 1950, is "to promote the science of lepidopterology in all its branches,... to issue a periodical and other publications on Lepidoptera, to facilitate the exchange of specimens and ideas by both the professional worker and the amateur in the field; to secure cooperation in all measures" directed towards these aims.

See inside back cover for additional Society information.

Election Of Officers -- 1995 Results

by Julian P. Donahue, Assistant Secretary, The Lepidopterists' Society,
C/O Natural History Museum, 900 Exposition Boulevard, Los Angeles, California 90007-4057, U.S.A.

We received 687 valid ballots, plus one that was totally invalid, prior to the deadline on 15 January 1995. The names of successful candidates are preceded with an asterisk(*).

PRESIDENT

*John M. Burns 652
no vote/abstain 25
Write-ins:
J.B. Ziegler 3
J.D. Lafontaine 2
R.E. Stanford 1
J. Lesca 1
J.M. Ruffin 1
R.W. Hodges 1
E.H. Metzler 1

SECRETARY

*Michael J. Smith .. 603
no vote/abstain 84

VICE PRESIDENTS

(There are 3 - no more than one per country is permitted)

*Elaine R.S. Hodges
(USA) 547
*Astrid Caldas
(Brazil) 471
*P.T. Dang
(Canada) 438
J.B. Ziegler (USA) .. 471
Write-ins:
P.J. DeVries 1
J.L. Harry 1
D.C. Iftner 1
K. Mikkola 1
M. Sabourin 1
D.L. Wagner 1

EXECUTIVE COUNCIL, MEMBERS-AT-LARGE

(There are three 3):

*Charles V.
Covell, Jr. 553
*Richard L. Brown 410
*John W. Peacock .. 373
Jane Ruffin 316
Ernest H. Williams 296
Write-ins:
P.J. DeVries 1
L.S. Fink 1
R.W. Garrison 1
D.C. Iftner 1
C.D. MacNeill 1
J.S. Miller 1
M.C. Nielsen 1
J.A. Scott 1
D.L. Wagner 1

KARL JORDAN MEDAL REPRESENTATIVE FOR 1996

*Thomas C. Emmel 646
no vote/abstain 84
Write-ins:
C.V. Covell, Jr. 1
C.D. Ferris 1
W.J. Kiel 1
N.E. Stamp 1
R.I. Vane-Wright 1

1995 OFFICERS OF THE SOCIETY ARE NOW AS FOLLOWS:

Until 2 July 1995:

President: Frederick W. Stehr
President-Elect: John M. Burns
Immediate Past President: Paul A. Opler
Vice Presidents (3):
Thomas C. Emmel
Bernard Landry
Kauri Mikkola

After 2 July 1995:

President: John M. Burns
Immediate Past President: Frederick W. Stehr
Vice Presidents (3):
Astrid Caldas
P.T. Dang
Elaine R.S. Hodges

Full Calendar Year:

Secretary: Michael J. Smith
Assistant Secretary: Julian P. Donahue
Treasurer: Robert J. Borth
Assistant Treasurers:
Eric H. Metzler
Ron Leuschner
Publications Manager: Ron Leuschner
Sponsored Memberships
Secretary: Floyd W. Preston

Members-at-Large, Executive Council:

(Terms expire at Annual Business Meeting in year indicated; * = term begins at end of Annual Business Meeting, 2 July 1995)

1995:

Eric H. Metzler
Robert K. Robbins
J. Benjamin Ziegler

1996:

John V. Calhoun
Robert C. Lederhouse
William E. Miller

1997:

Jon H. Shepard
M. Alma Solis
Susan J. Weller

1998:

*Richard L. Brown
*Charles V. Covell, Jr.
*John W. Peacock

Editorial Committee:

Paul Opler (Chairman)
Marc & Maria Minno
(NEWS)
John W. Brown
(JOURNAL)
William E. Miller
(MEMOIRS)
Frederick W. Stehr (at large)

Karl Jordan Medal Representatives

1995: Richard L. Brown
1996: Thomas C. Emmel

1995 Annual Meeting

Hurry on over to the Lepidopterists' Society Annual Meeting in Minneapolis, Minnesota, hosted by the University of Minnesota, and organized by Susan Weller, Robert Dana, and Bill Miller. The meeting extends from Wednesday, June 29th to Sunday, July 2nd. The deadline for submitting titles and abstracts was April 28th.

Program

- Conservation and enjoyment of Lepidoptera
 - Biology of Caterpillars
 - Lepidoptera mating behavior
 - Submitted papers and posters
 - All-media juried public art exhibit
 - Traditional picnic, banquet, slide fest
 - Local July 4th butterfly count
 - University insect collection (134,000 Lepidoptera specimens)
 - Collecting and enjoyment opportunities in boreal forest and bog, eastern deciduous forest, prairie and savanna habitats
- In addition, in the area you will find exceptional family vacation opportunities such as:
- Guthrie and Ordway theaters
 - Mall of America and Camp Snoopy
 - Metrodome and Target Center
 - Minnesota Zoo
 - Minneapolis Institute of Arts
 - Valleyfair Amusement Park

Registration

Request registration materials from the meeting coordinator:

Ms. Kelly Fisher
405 Coffey Hall, 1420 Eckles Avenue,
St. Paul, MN 55108
Phone: 1-800-367-5363
FAX: (612) 625-2207
e-mail: kfisher@mes.umn.edu

We accept MasterCard, VISA, and Discover cards.

Lodging

Options within walking distance include the following:

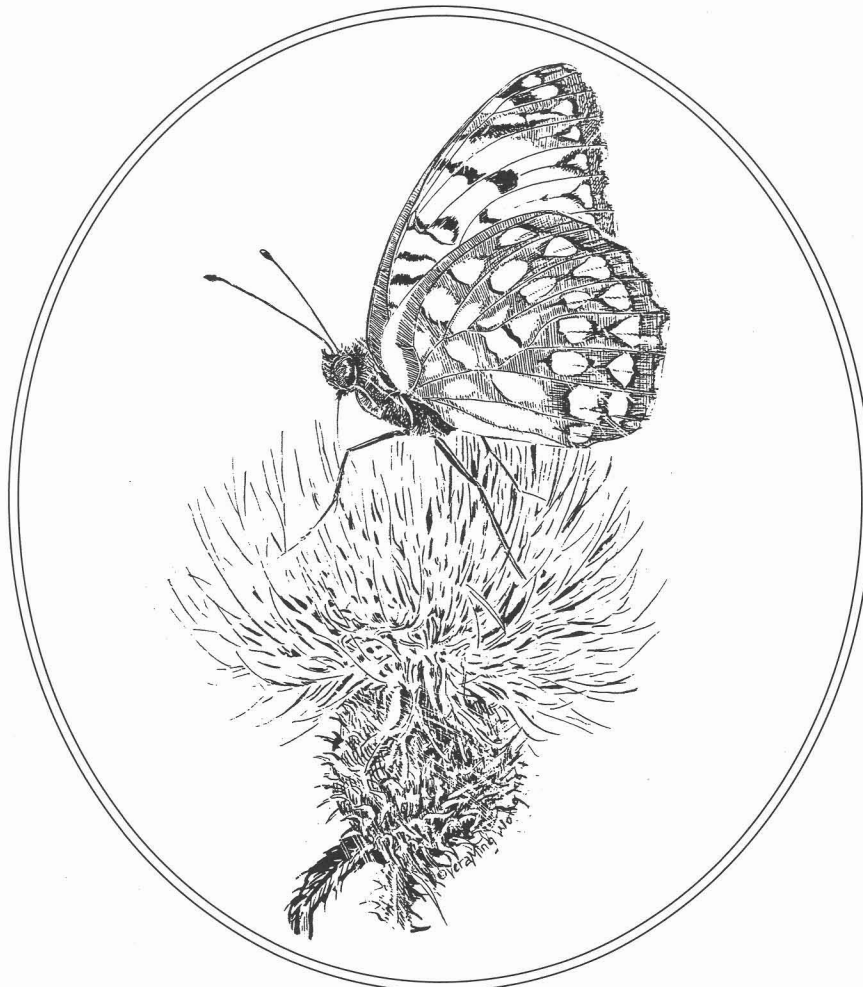
Economy air conditioned residence hall rooms, cafeteria breakfast included: Single, \$29.50 per day; double, \$25.50 per person per day.

Radisson Hotel Metrodome (call 1-800-333-3333 and ask for the Lepidopterists' Society discounted rate of \$85 per day).

Holiday Inn Metrodome (call 1-800-HOLIDAY and ask for the Lepidopterists' Society discounted rate of \$83.50 per day)

Parking:

Campus reserved parking \$2.50 per day; no street parking.



**Regal Fritillary
Butterfly,
copyright 1994,
by Vera Ming
Wong**

The North American Butterfly Association-Xerces Fourth of July Butterfly Counts

1994

The 20th annual NABA-Xerces Fourth of July Butterfly Count, sponsored by the North American Butterfly Association, was held in the summer of 1994. Volunteer participants conducted a one-day census of all butterflies observed at sites within their count area, a 15-mile diameter circle. Most counts were held in late June and July.

In 1994, 249 Fourth of July butterfly counts were held, a 12 percent increase from 1993. The program has doubled since the 124 counts in 1990! The 1994 counts occurred in 45 states (five more than last year) and six Canadian provinces (two more than last year), as well as two states in Mexico. California had the most 1994 counts, with 17, followed by 16 in Wisconsin and 14 in New York. Four counts (Berkeley, CA; Gilpin County, CO; High Line Canal, CO; Lower Pearl River, LA-MS) have been held for all 20 years of the count program. The number of people participating in each count adds up to 2,106 (a 7 percent increase from last year), although some people are tallied more than once, since they participated in two or more counts.

The 1994 count north of Mexico with the highest species diversity was Gilpin County, Colorado, with 103 species. This edged past the previous record of 102 on the Patagonia, Arizona count in 1992. The new Fox River-Seney, Michigan Count tallied 17,191 individuals at an impressive rate of 1,127.3 individuals per party-hour of census effort. This broke the previous record of 16,994 butterflies recorded at the rate of 1,213.9 individuals per party-hour on the Klamath Falls, OR count in 1992.

In 1994, Monarchs produced strong numbers in eastern North America, with heartening increases from strong declines observed in 1992 in the Atlantic coastal states and adjacent Canadian provinces and in 1993 in the Midwest. Monarchs were particularly abundant in the Midwest, where observation rates per party-hour rivalled those in 1991, the previous best year ever for monarchs east of the Rocky Mountains. Monarch rates in the Pacific coastal states were well above the extremely low numbers observed in 1993, but were still well below normal.

1995

The 21st annual NABA-Xerces Fourth of July Butterfly Count will be held this summer. These counts are fun-filled, but also track the butterfly populations of North America. Volunteers select a count area with a 15-mile diameter, and conduct a one-day census of all butterflies sighted within that circle. These counts are usually held in the few weeks before or after the Fourth of July.

The North American Butterfly Association (NABA) organizes the counts, and publishes their annual reports. These reports provide important information about the geographical distributions and population sizes of the species counted. Comparisons of the results over the years monitor changes in butterfly populations and reveal effects of weather and habitat change on the different species. In some years the butterfly count shows dramatic changes in butterfly populations, while other years indicate little fluctuation in butterfly numbers. Either way, butterfly counters are always curious about what next year's results will be!

No matter how much or how little butterfly watching you have done, the results of butterfly counting can be surprising and interesting. If a count already exists in your area, please join them for a day of fascinating butterfly counting. You may even participate from your own home, as a garden watcher. If there is no count in your area, you may start your own, as long as you know how to identify the butterflies. Otherwise, inspire a nature center or butterfly club to start one for you!

To get the 1994 count report, please send your report order (specifying year of count results desired) by check or money order for the report payable (in US dollars) to NABA for \$4 (NABA members) or \$6 (non-members) to the address to the right. For more information on the count program, counts in your area, how to conduct a count, and NABA, please write to the following address (a self-addressed stamped business envelope expedites responses).

NABA Butterfly Count
909 Birch Street
Baraboo, WI 53913

President: Jeffrey Glassberg; Vice Presidents:
Paul Opler, Robert Robbins, Ann Swengel;
Secretary: Brian Cassie

Lepidopterists' Society, Pacific Slope Section, 41st Annual Meeting, University of California, Berkeley

Prepared by Ray E. Stanford, with notes from J.A. Powell, 11 November 1994.

This meeting replaced an originally scheduled one in Santa Monica, California, which was cancelled because an insufficient number of members registered to attend or present papers. It was organized and hosted by J.A. Powell and others in the Berkeley area. There were 34 registrants, and the attendance was nearly 40.

Friday afternoon's open house at the Essig Museum of Entomology was followed by an informal evening mixer there, after supper. The Essig Museum of Entomology houses half a million pinned specimens, 5,000 vials of larvae, 10,500 genitalia slides, and about 400 primary types of microlepidoptera.

Saturday morning's scientific session consisted of late registration, welcoming remarks and a talk on Biogeography of Lepidoptera on the California Channel Islands by Powell, The Rhopalocera of Santa Cruz Island by R.L. Langston, a video on a collecting trip to Rondonia, Brazil in 1993 narrated by J. Wiseman, and commentary by R.H. Leuschner. The afternoon session included talks on Biology of *Euproserpinus* (Sphingidae) by K.S. Osborne; The Mystery of *Eupithecia suspiciosata* (Geometridae) by R.H. Leuschner; Nocturnal moths of the Kern and Pixley National Wildlife Refuges by K.M. Richers; Swallowtails, species, and mitochondrial DNA by F. Sperling; Sun moths (Helioidinidae) and their larval host plant associations by Y.F. Hsu; and The study of Pacific slope Lepidoptera (mainly butterflies), past, present, and future by R.E. Stanford.

A short business meeting followed, where it was agreed that annual meetings should be continued, most of them at a field station or similar place where collecting constitutes a major

activity, and at least half in California, since most attendees live in that state. Kelly Richers offered to host the 1995 Pacific Slope meeting at a camp in the Sierra foothills, Kern County, California, probably the weekend of 24 June, and his offer was readily accepted. Leuschner and Donahue will head up the program committee. A social hour and banquet at Spats Restaurant were the final events of the meeting, where Langston was honored with the Comstock award, and Leuschner was nominated to be the 1995 honoree (Donahue, *in absentia*, was nominated to prepare the write-up with spicy input from Jeanne Leuschner). The evening closed with the customary doorprize drawing.

Group Photograph, Pacific Slope Section, Lepidopterists' Society, 41st Annual Meeting at U.C. Berkeley, 21-22 October 1994

Texas Lepidopterists Meet in San Antonio

An informal meeting of amateur Texas Lepidopterists was held at the home of J.F. (Terry) Doyle in San Antonio, Texas, on January 21, 1995. Twenty-three persons were in attendance. A second meeting is being planned for the near future. Texas A&M University's Entomology Department assisted in the venture.

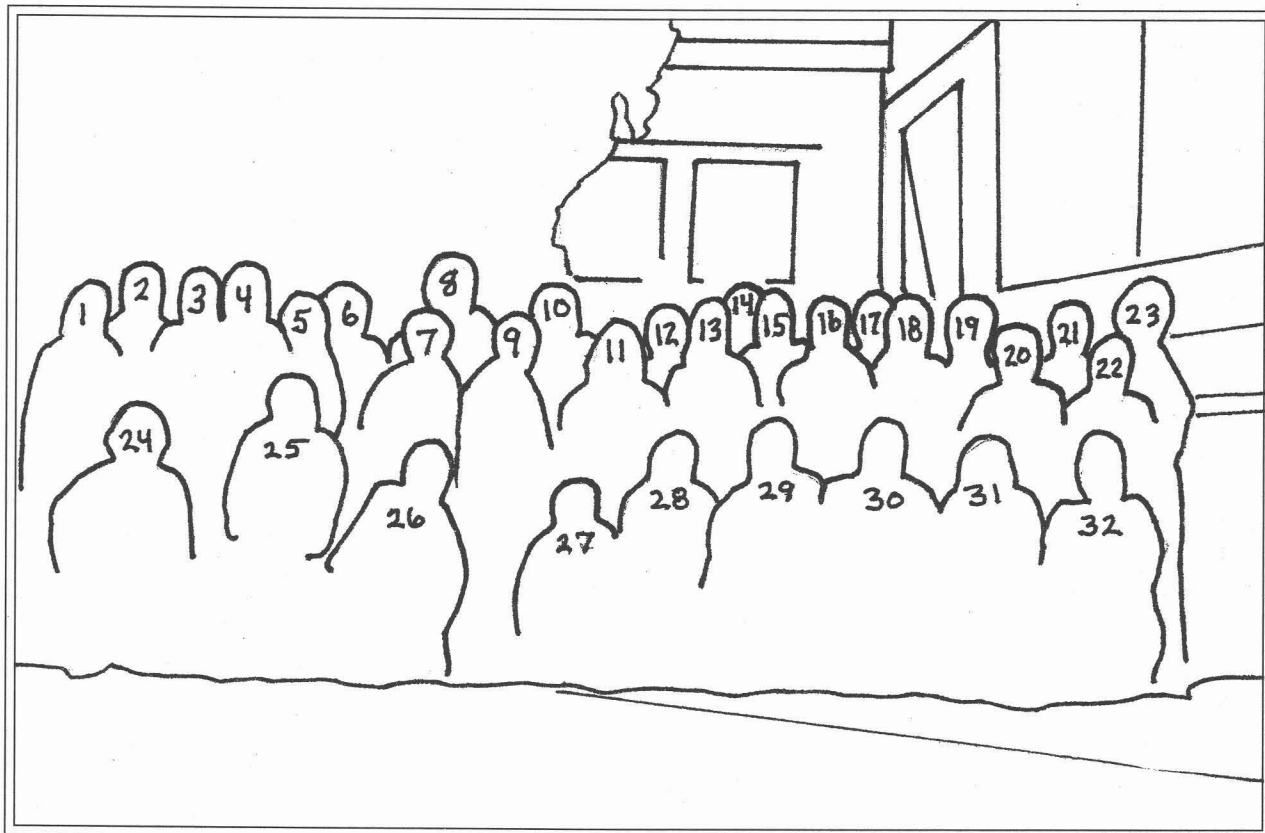
The group photograph at right was taken by J.L. (Poody) Brown and sent to us by Ray Stanford, with help from J.A. Powell.

Key to attendees:

1. J. Evans
2. R.P. Allen
3. W.L. Swisher
4. C. Hageman
5. S.O. Mattoon
6. L. Crabtree
7. R.L. Langston
8. R.H. Leuschner
9. H.I. Tilden
10. W.D. Patterson
11. Doris Brown
12. J.B. Vernon
13. J.W. Brown
14. W. Knoshaug
15. R. Robertson
16. J. De Benedictis
17. B.J. Landing
18. C. Brandau
19. T. McCabe
20. R.V. Kelson
21. J.A. Powell
22. D. Rubinoff
23. F. McLarnon
24. unidentified
25. R.R. White
26. K.M. Richers
27. B.Black
28. K.S. Osborne
29. R.E. Stanford
30. F.A.H. Sperling
31. S. Fernandez
32. Y.F. Hsu

Not in photograph:

J.L. [Poody] Brown (she took the photo)
Mrs. J.B. Vernon [Liz]
Mrs. R.L. Langston [Evelyn]
Mrs. R.H. Leuschner [Jeanne]
P.J.M. Lorquin
et al. (34 registrants; up to 36 at papers; 37 or 38 at banquet)



A Wonderful Lepidopterological Experience: the 9th European Congress of Lepidopterology

by Bernard Landry and Jean-François Landry, C.L.B.R.R., Agriculture and Agri-Food Canada, C.E.F., Neatby Building, Ottawa, ON K1A 0C6, CANADA FAX: (613) 947-5974 TEL: (613) 957-4347 ext. 7321 or 7377
E-MAIL: ag190lepidop@ncccot2.agr.ca or landryj@ncccot2.agr.ca

The beautiful region of Pálava, in the south of the Czech Republic, was the site of the Ninth European Congress of Lepidopterology from 5 to 9 September 1994. As mentioned in one of the brochures contained in the rich documentation package we received from the organization committee: "Hills and rocks of Pálava, deep forests along the Dyje River, picturesque ponds, vineyards and wine cellars, rural houses and rich chateaux- all of this complements the unique harmony of this corner of Moravia. Thousands of years of human presence modelled this countryside into a masterpiece. Thus its place on the exclusive UNESCO list of biosphere reserves is well deserved". Indeed it was a restful and beautiful place, rich in human and natural history, from evidences of Palaeolithic mass killings below high cliffs, Napoleon's winning strategy at Austerlitz, bunkers of the Second World War, a social organization still strongly influenced by the Communist Era, deep forests, xerothermic vegetation on the hills, etc. All this magnificently told to us by organizers Dalibor Povolny and Karel Spitzer, mostly for the English versions. For this was a truly international congress of lepidopterists, with approximately 30 countries represented, among which were Japan, China, Indonesia, Georgia, Russia, Ukraine, most European countries, the Baltic Republics, Scandinavia, Canada, and the U.S.A.

The site of the Congress itself was the Faculty of Horticulture, University of Agriculture, Lednice. It was a small but well-equipped

university campus comparable to North-American ones, except maybe for the dormitories, somewhat below North American standards. Some complained about the food (not enough!), but we were only a five-minute walking distance from very decent restaurants in the village, right next to a 17th century castle that belonged to the Liechtenstein family. And how could anyone complain considering that congress fees were only U.S.\$100.00 for five days of boarding, accommodation, registration, documentation and transport by bus to several historic and natural history sites, including a wine cellar for the farewell party, and to Brno, the capital of the region, for the opening ceremony.

So it all began in Brno, where we were welcomed by the Lord Mayor and several other dignitaries in the truly majestic Town Hall. Dalibor Povolny, president of the congress, presented a thirty-minute opening address in Latin (!), which he then summarized more or less briefly in seven other languages. All this while we were sipping a glass of local white wine, offered by the Lord Mayor. We had been told to check the catacombs of a nearby church, which are still filled with peoples' skeletons. However, we were invited to visit the natural history museum instead, which was presenting at the time an exhibit of mechanical dinosaurs!

The various posters and oral presentations of the congress itself were diverse in subjects treated, and mostly very good in quality. The presentations started with a session on systematics and evolution, with the participation of Niels Kristensen

and Malcolm Scoble, among others. For the next day, we had to make the difficult decision of attending either a workshop on Noctuidae, or one on Microlepidoptera. We went to the second, since there lie most of our interests, and were surprised to see the room filled with about 100 people! An impressive number of amateurs of micros, if compared to North America... On the following day, there were sessions on conservation and ecology of Lepidoptera, in which general to very specific topics were treated. Finally, the last day was devoted to zoogeography and regional faunistics. Altogether, 20 posters and 54 oral presentations had been announced. Although one unannounced oral presentation was added to the program, we regretted that eight oral presentations were not presented in the sessions we assisted.

Between and after sessions of workshops and presentations, we had the opportunity to collect in the Pálava Protected Landscape Area, for which all congress participants were issued permits. This area of 73 square kilometers is mostly made of limestone hills covered with various types of vegetation, from impressive mixed forests in the ravines to xerothermic meadows on the hills. Collecting was not fantastic, as it was late in the season, but this area is known to accommodate some 3,087 species of Lepidoptera. Also of interest, mostly after workshops and formal meetings, were the almost continuous discussions at the local restaurants, and, after hours, in rooms at the dorm.

(Continued on page 41)

Are you Waiting For the Atlas of North American Lepidoptera?

This series, originally announced by Scientific Publishers in 1990, has had delays and has been transferred to the Association for Tropical Lepidoptera since 1992. Delays for the first part, on Papilionidae, are the result of few subscribers, time for other projects, and for awaiting new names for various subspecies of North American butterflies. We apologize for these lengthy delays to those subscribers that have not received their notices from either publisher. The project will continue, and a general Nearctic butterfly list is due out this year. Future parts now planned will first address the need for an overview "atlas" of all species known, before the

actual species pages are produced, since this will go more quickly and more subscribers may want this in lieu of the more technical species pages. Consequently, the Papilionidae will first appear as part of the introductory "atlas" portion of the series; the cost involved will be similar to what subscribers have paid for but any who do not want this can request refunds or wait for the species pages. If you have further questions, contact Dr. John B. Heppner, Series Editor, Association for Tropical Lepidoptera, c/o Florida State Collection of Arthropods, P.O. Box 141210, Gainesville, Florida 32614-1210 (904)372-3505 extension 139, or FAX (904)955-2301.

(continued from page 40)

The scenery of the area, wonderful chats with other lepidopterists from so many different cultures, and the feeling that so many important events in human history went on in this area since the dawn of Homo sapiens, will be remembered with joy in the years to come. It was worth it.

The next meeting of the European Society of Lepidopterology is scheduled to be held in 1996 in the vicinity of Madrid, Spain. Everyone is welcomed.

welcome. Information on butterfly conservation and relevant government policy would be great. Remember, this is your newsletter. Let us know what you want to see, and send us what you want to say.

We accept manuscript in any form, however, we much prefer to work from disk. Compatible formats are listed in the column to the right. Our computer apparently requires a DOS formatted disk, even with an ASCII file. You can mail us material at the following address, or send it e-mail to afn10853@freenet.ufl.edu.

Illustrations should be sent on disk or as transparencies, because prints or clippings are much more expensive to work with at this time. However, we will accept high-quality printed material that illustrates a submitted article, or for the cover. We can also use a collection of several photos to cut and paste into a collage for a full page of illustrations.

Marc and Maria Minno
600 Northwest 35th Terrace
Gainesville, Florida 32607-2441
home (904)375-3028 or Marc (904)329-4578

Material Needed For The Lepidopterists' Society News!

If you get excited about butterflies and moths, or if you have some expertise you are willing to share, contact us, the *News* editors!

We are looking for quality written material and graphics that will interest Lepidopterists' Society members. Poetry, short stories, or recollections about experiences with lepidoptera are welcome. Advice on collecting, photographing, finding, attracting, and caring for caterpillars and adults is sought. Cartoons, jokes, and quips are needed. Your opinions are

Compatible Formats for News Submissions

AmiPro 1.1 to 3.0
ASCII
Auto CAD (ADI)
CGM Graphics
CompuServe GIF (sm)
Image Import File
dBASE III to IV
DCA/RFT
DEC/WPS
EPS (Encapsulated PostScript)
Excel 3.0-4.0 (chart or spreadsheet)
GEM Graphics
HPGL
Kodak Photo CD
Lotus 123, 1a to 3.4
Lotus Graphics PIC
Macintosh PICT
MacPaint
Microsoft Windows Write
Microsoft Word for DOS or Windows 1.0 to 3.1
Multimate/Advantage II
PageMaker 4 or 5
PC Paintbrush
RTF (Rich Text Format)
Scrapbook Art
Symphony 1.0 to 3.0
Table Editor 2.11
Tectronix Plot-10
Text only
TIFF
Time Stamp
TWAIN Image Acquisition
Ventura Publisher
Video Show Graphics
Windows Bitmap (BMP)
Windows Draw
Windows Metafile
WordPerfect 4.2, 5.x, 6.0, and graphics (WPG)
WordStar 3.3 to 7.0
XYWrite III to III+

RangeMapper 2.2 For Macintosh Computers: A Species Distribution Mapping Program

by Kenelm Philips, Institute of Arctic Biology, University of Alaska,
P.O. Box 757000, Fairbanks, Alaska 99775-7000
(907)479-2689 e-mail:FNKWP@aurora.alaska.edu

RangeMapper 2.2 is a Macintosh program for species distribution mapping and similar tasks. It comes with mapping data files for the world (at low resolution) and North America (at higher resolution), and can plot maps in seven projections: north and south polar azimuthal, Mercator, cylindrical, orthographic, stereographic, and Lambert azimuthal equal-area.

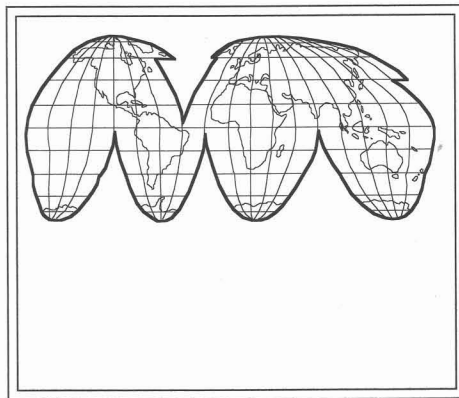
World mapping data files contain: Coastlines, major islands, lakes, rivers; national borders, U.S. state & Canadian province borders. The North America mapping data files (which run from Panama and the Caribbean through Greenland, Canada and Alaska, and north-eastern Russia) contain the above plus additional islands, lakes, and rivers; and county borders for the lower 48 U.S. states. "Sparse" files are also supplied for state/province borders in Mexico and Central America.

Similar higher-resolution files are available for Australia and New Zealand, and are under development for Europe and South America. You can produce maps of the entire world or any portion thereof, down to a region of the size of the British Isles, from the world files. Using the North America files lets you map down to regions of the order 60 by 40 miles in extent — although in drier parts of the continent, there could be no hydrology shown in such a small region.

Mapping data files derived from the USGS Digital Line Graph files are currently available for Washington, Oregon, Idaho, California, and Alaska north of 64 degrees. These files have far more hydrology, county borders,

plus major roads and various administrative borders: National Parks, National Wildlife Refuges, National Forests, etc. Similar files for other states are under development.

When plotting maps, you can decide whether or not to show rivers, or international or state/province borders. You can drop lakes and/or



islands smaller than a user-input diameter. In addition, a "Find-by-name" feature lets you highlight, or map, most hydrologic features in the North America files by name. You may thus produce a map showing only selected major rivers, or highlight on an existing map any river, lake, or island (except for some smaller features).

Features may be mapped in three line widths, and as solid or dotted lines (which can help differentiate between political borders and hydrology).

RangeMapper can read ASCII text files of latitudes and longitudes in either decimal degree or degree/minute/second format, and plot them to maps as various sizes of open or filled squares or circles. If you have large lat/long data files stored in databases or-spreadsheets,

RangeMapper can read data exported as text from standard database/spreadsheet programs. In addition to plotting data as dots, RangeMapper can plot data as lines (thus plotting migration paths, etc.), or as 3-dimensional bars whose height is controlled by a third variable (thus plotting the geographic variation of quantitative data).

A "verification" feature lets you edit your plotting data files interactively from within the program. A user-designed lat/long grid may be added to any map, and lat/long coordinates may be read from the screen on any map. Maps can be printed directly, or exported as PICT files to be enhanced in a drawing program (such as Canvas or SuperPaint).

Plotting data files are supplied for cities and towns in Alaska, Yukon, Northwest Territories, and Greenland. The USGS GNIS data file for 123,500 cities and towns in the 48 contiguous states is supplied as well.

RangeMapper is not a GIS. It is designed to produce publishable quality maps that can be dropped into your own documents, and show the locations of collection or field sites, species distributions, etc. The program is fast, simple, and easy to use — unlike some other desktop mapping software — and has been designed for scientific applications.

For more information, request a RangeMapper brochure from:

Tundra Vole Software
1590 North Becker Ridge Road
Fairbanks, AK 99709-2
705 (907) 479-2689

Books and Journals

Atlas of Western USA Butterflies, including adjacent parts of Canada and Mexico

Atlas of Western USA Butterflies, including adjacent parts of Canada and Mexico by Ray E. Stanford and Paul A. Opler, Published by the authors 1993. This 275-page spiral-bound soft cover publication is a set of county dot maps for the 1,047 species of butterflies known from the 17 western U.S. states, and the 9 northern Mexican states. Occurrences in the adjoining Canadian provinces are indicated, but detailed occurrence for Canada is not presented. The presence of a dot indicates that the species is known from a county, but does not distinguish between residency and strays or between past and present occurrence. To order, send \$20.00 (includes price of atlas and first class postage) to from Dr. Ray E. Stanford, 720 Fairfax Street, Denver, CO 80220. Include name and full address, and telephone number.

An update to the Nomenclature of Holland's Moth Book

An update to the Nomenclature of Holland's Moth Book, by Joel M. Johnson, 1994, 50 pages neatly bound. This publication gives text page of the description in Holland, the MONA Checklist number, and the present species name as listed in the "Checklist of the Lepidoptera of America North of Mexico, 1983, by R.W. Hodges, et al., for each of the moths pictured in the colored plates, and also for those figured throughout the text. For sale by the author: Joel M. Johnson, 59 East 400 North, Payson, UT 84651, or call (801)465-3526. \$15.00 per copy, postpaid.

Moths of Western North America:

1. Distribution of Saturniidae of Western North America.
2. Distribution of Sphingidae of Western North America.

These two atlases are the first in a series that is planned to cover most moths groups. Each atlas includes an introduction to taxonomic problems and available literature, but is mainly a set of county dot maps for the 17 western U.S. states and 9 northern Mexican states. Some future atlases may include illustrations of adults and maps of occurrences in western Canada and Alaska. The Saturniidae (giant silk moths) atlas is by Richard Peigler and Paul A. Opler, while the Sphingidae (hawkmoths) is by Michael Smith.

To order, send request with \$3.50 for each copy of Distribution of Saturniidae, \$5.00 for each copy of Distribution of Sphingidae ordered (price includes postage in the US; add \$1.50 elsewhere), and your name and full address and telephone number to Dr. B.C. Kondratieff, Entomology, Colorado State University, Ft. Collins, CO 80523 U.S.A. Please make check payable to Gillette Museum Publications.

New Price List of Lepidoptera Publications

A new price list of Lepidoptera publications for sale is now available from Entomological Reprint Specialists, P.O. Box 77224, Dockweiler Station, Los Angeles, CA 90007-0224, USA

Lepidopterorum Catalogus, Fascicle 118, Noctuidae

Lepidopterorum Catalogus, Fascicle 118, Noctuidae, by Robert W. Poole, 1988. 8 1/2 x 11 inch format, 3 volumes, 1,314 pages. Now only \$99.00 plus sales tax (Florida only) and shipping. American Biological Supply Company has made a special purchase on this title, and is offering it for a limited time only for over 1/3 off the regular price of \$275.00. Request order form from American Biological Supply Company, 2405 NW 66th Court, Gainesville, Florida 32606 (904)377-3299.

Moths and Butterflies of Vermont

Moths and Butterflies of Vermont (Lepidoptera), A Faunal Checklist compiled by J.R. Grehan, B.L. Parker, G.R. Nielsen, D.H. Miller, J.D. Hedbor, M. Sabourin, M.S. Griggs. This publication lists over 1,700 moths, including both micro and macrolepidopteran groups and 100 butterflies. The checklist comprises a reference for voucher specimen repository, source of identification, and common name. The list is supplemented by four full-page color plates of 56 species of local interest. Copies are available at US \$8.00 plus \$4.00 postage per copy. Order from John Grehan, Entomology Research Laboratory, University of Vermont, P.O. Box 53400, Burlington, VT 05405-3400. Make checks payable to the University of Vermont.

The Market Place

The Emperor Moths of Namibia

A new book on emperor moths, *The Emperor Moths of Namibia*, by Rolf Oberprieler, was recently published by Ecoguild Publishers. The format is 240 x 180 mm hardcover, with dust jacket. The book is available directly from the publishers at US \$48.00 (postage by surface mail included). It comprises 104 pages, including 30 color plates. It treats all 27 species so far recorded from Namibia. For each of those, the adult moth and the final instar larva are depicted in color, with a facing text page dealing with its diagnosis and variation, discovery and description, distribution, behavior and life cycle, and food plants. Introducing chapters cover the historical exploration of the fauna and the biology, ecology, economy and faunistic relationships of these moths. Ecoguild Publishers, P.O. Box 178, Hartebeespoort 0216, South Africa (FAX 1211-591 506).

MONA

The following fascicles of Moths of North America, 30% off list:

6.1	\$33
6.2	\$41
13.1 A, B, and C	\$61
13.2 A & B	\$53
Fox, Butterflies of Liberia	\$75
Holway, Moths of Borneo with special reference to Mt. Kinabalu	\$30
Carcasson, Swallowtail Butterflies of East Africa	\$35
Morrell, Common Malayan Butterflies	\$13
Tyler, Swallowtail Butterflies of North America (cloth)	\$60

Contact John W. Wall, 19 Tisdale Road, Scarsdale, New York 10583-5613 (914)725-6049 FAX (914)725-1018.

Books For Sale

Jamaica and Its Butterflies, Brown and Heineman, 1972, hardback, like new. \$45.

The Butterfly Book, W.J. Holland (1955 printing), hardback, very good condition, \$35.

The North American Clear-Wing Moths of the Family Aegeriidae, George P. Engelhardt (1946), soft cover, good condition, \$30.

A Glossary of Entomology, J.R. De La Torre-Bueno (1937), hard cover, very good condition, \$25.

Insects of Western North America, E.O. Essig (1940), hard cover, very good condition, \$45. All prices cover shipping and handling. Send self addressed stamped envelope to Larry Shaw, 1607 Brookhaven Avenue, Placentia, CA 92670

D'Abrera

Six D'Abrera large-format lepidoptera books for sale at 80% of new prices; all are in mint, like-new condition:

*Butterflies of the Neotropical Region, Parts I, II, III, IV

*Butterflies of the Oriental Region, Part II

*Butterflies of the Australian Region, (1977)

David M. Hyatt, 6145 East San Bernardino, Tucson, AZ 85715. Telephone (602)885-1195.

D'Abrera Neotropical Butterflies part II and III, mint condition, never used; D'Abrera Australian Region, Second edition, very good used condition; Patrick Blandin Morphos #1, mint, hardly used; Larsen's Butterflies of Kenya, mint, never used. Best offer for singles or lot. Jonathan Kemp, 65013 Highway 51, Roseland, Louisiana 70456, work (504)748-8569.

Monograph of Chinese Butterflies

Set of two volumes, published in 1994. \$425 including postage. Contact Jack Harry, P.O. Box 25752, Salt Lake City, UT 84115, or call (801)262-9265.

Color Illustrated Books on Lepidoptera.

E.W. Classey Ltd., P.O. Box 93 Faringdon, Oxon SN7 7DR, England. We specialize in supplying color illustrated books on Lepidoptera. Our Fall/Winter list of entomological books includes Atlas of Chinese Butterflies, Butterflies and Moths of Mount Tai, Butterflies of the Southeast Asian Islands, and many many more. Some books are exclusively available through us. Don't miss out, send for our free catalogue today. Ordering and payment is easy. Write to us or phone 01144 367 820399 or FAX 01144 367 820429.

Mr. Eric Classey, International natural history bookseller and publisher since 1949, will be visiting the US in June 1995. If you have natural history books you wish to sell, or if you need a valuation, please contact him as soon as possible. Free catalogues of antiquarian and new and forthcoming entomological literature are available on request. E.W. Classey Ltd., P.O. Box 93 Faringdon, Oxfordshire, UK. New telephone number 0144 1367 244700, new FAX number 01144 1367 244800.

The Market Place

For Sale

Large selection of worldwide Papilionidae and Parnassius for sale; many rare hard to get species and subspecies, most are A-1 condition. Also, I have large stocks of Morpho's and Caligo's. Jonathan Kemp, 65013 Highway 51, Roseland, Louisiana 70456, work (504)748-8569.

For sale: Pupae of *Agapema homogena* (Saturniidae) (limited number) from the Santa Catalina Mountains of Arizona. Contact Richard Priestaf, P.O. Box 14203, University of California at Santa Barbara, Santa Barbara, California 93107.

Lepidoptera from many countries: Papua New Guinea, Indonesia, Malaysia, Thailand, India, China, Colombia, Brazil, Peru, Argentina, the former USSR, etc. Papilionidae including Parnassius, Delias, Charaxes, etc. Free price list. Contact David Hall, 6 Rule Street, Cambridge Park, NSW 2747, Australia.

Rare *Colias* spp. for sale, including *C. erschoffi*, *C. berylla*, *C. nina*, and more. For a complete list, or for a wants list, contact Bob Worthy, 10 The Hill, Church Hill, Caterham, Surrey CR3 6SD, England.

Will purchase Ithomiidae and *Dismorphia*, especially Colombia, Guyana, Bolivia. Contact G. ten Broek, Postbus 39, 1520 AA Wormerveer, Holland, Europe. Telephone 075-216027.

Cocoons of *Hyalophora cecropia*, *Antheraea polyphemus*, and oothecae of *Mantis religiosa* for sale or trade. Contact Wally Buttrick, P.O. Box 367, Ada, Michigan 49301.

Semi-wild *Hyalophora columbia* cocoons or ova for sale or exchange. Send SASE for prices to Bill Kenney, 671 R.R.#1, Dixmont, ME 04932, or call (207)257-2047.

Insects for sale: We collect and breed insects for schools, museums, hobbyists and research. Contact Widago, JLN. Anas Karim 35, Padang Panjang 27116, West-Sumatra, Indonesia or call the insectarium (0752)82061 or home (0752)83210.

Butterflies from California and Arizona for sale. Excellent condition, with data. More than 90 species. Send self-addressed stamped envelope for free list to Robert Wuttken, 9506 National Boulevard, Palms, California 90034-2820.

Select tropicals for sale, many hard to get. Also back copies of News and Journal of the Lepidopterists' Society. Contact Elmer L. Griepentrog, Elsie Route, Box 740, Seaside, Oregon 97138.

Papilio indra phyllisae, *Papilio indra fordii*, *Papilio indra pergamus* for sale. Numerous other *Papilio indra* races available upon request; *Papilio bairdii* (all forms), and other North American papilionids. These are first quality, reared specimens. Send self-addressed stamped envelope for list. Bob Chilson, 4531 Tomlinson Avenue, Riverside, CA 92503.

Numerous unmounted Neotropical lepidoptera for sale, excellent quality, including unusual *Parides*, *Agrias*, and *Morpho*. Also, Canadian *Oeneis*, *Colias*, *Lycaenidae*, and *Limenitis*. Send for list to Bob Anderson, P.O. Box 3, Sandy Hook, Manitoba, Canada R0C 2W0 or telephone (204)642-7758.

For sale: Two 2-sided custom made pine entomology cabinets, 62 x 75 x 22 1/2 inch dimensions, constructed to hold 176 Schmidt boxes. Will sell with or without boxes. For photo and more information, send self-addressed stamped envelope to Mrs. Victor McHenry, 62866 Montara Drive, Bend, Oregon 97701 (503)388-6988.

Bait traps in local and tropical forms for sale. Traps can also be modified for moths. Inquire William G. Ward, 1474 Melbourne Drive SE, Girard, OH 44420-1332, phone (215)539-5374.

For sale: Bait traps in local and tropical forms. Traps can also be modified for moths. Contact William Ward, 1474 Melbourne Drive Southeast, Girard, Ohio 44420-1332. Phone (216)539-5374.

Light traps for sale. 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, 207 Quail Trail, Greenwood, MS 38930-7315 or telephone (601)455-5498.

The Market Place

For sale: Beautiful custom-made mitered-shouldered pine Schmidt boxes with see-through (and/or solid) tops. \$15 plus postage or \$150 per dozen plus postage. Contact Mrs. Victor McHenry, 62866 Montara Drive, Bend, Oregon 97701 (503)388-6988.

Custom made light fixtures for permanent and/or stationary light traps for sale. Stainless steel design. Mercury vapor, sun lamp, black light, and black light dark; together or any combination. Electrical control with photo-cells and/or timers. Includes plans for enclosures with rain drains and sorting trays. For more information, contact: Leroy C. Koehn, 207 Quail Trail, Greenwood, MS 38930-7315 or telephone (601)455-5498.

Trade

Will trade my butterfly and moth collection for your Macintosh 580c or 180c computer and printer (or best offer). Collection includes 1,055 cataloged specimens (185 genera) in 17 California Academy drawers, a plywood case, and 361 papered duplicate specimens (trade stock). Send \$8.00 postal money order for an information pack (list and photos), refundable on return of packet. Write to W.S. Cornelius, P.O. Box 57, Albion, California 95410

Rare offer: *Teinopalpus imperialis* T. *behludini*, *Apotomo nanosomus*, *A. ngi*, *A. ascendens*, *A. arrowi*, *Titanocarabus titanus*, *Copto. formosus*, *C. principalis*, *C. augustus*, *C. mirificus*, *Lucanus boileau* 63 mm, *Goliatus quadrimaculatus* 89 mm, others. Yoshiaki Furumi, 97-71 Komizo, Iwatsuki Shi, Saitama Ken, 339 JAPAN

Will exchange a limited number of pupae of *Agapema homogana* (Saturniidae) from the Santa Catalina Mountains of Arizona. Will trade these for other choice silk moths, especially *Automeris louisiana*, and African and Australian silk moths. Also, will exchange seven recently-captured, mounted specimens of *Philotes sonorensis* (Lycaenidae), for a series of mounted, mint condition *Lycaena phlaeas americana* (recent captures). Richard Priestaf, P.O. Box a4203, University of California at Santa Barbara, Santa Barbara, California 93107.

Photographic slides of any type of livestock of attractive lepidoptera. In exchange, I offer many taxa of lepidoptera from various regions of the former USSR, live and dead. Contact Yuri Berezhnoi, P.O. 29, Verenezh, 394 029, Russia

Numerous unmounted Neotropical lepidoptera, excellent quality, including unusual *Parides*, *Agrias*, and *Morpho*. Also Canadian *Oeneis*, *Colias*, *Lycaenidae*, and *Limenitis*. Send for list to Bob Anderson, P.O. Box 3, Sandy Hook, Manitoba, Canada R0C 2W0 or telephone (204)642-7758.

Will exchange Ithomiidae and *Dismorphia*, especially Colombia, Guyana, Bolivia. Contact G.ten Broek, Postbus 39, 1520 AA Wormerveer, Holland, Europe. Telephone 075-216027.

Wanted:

Seeking original or legible copy of McGuffin, W.C., *Larvae of the Nearctic Larentinae* (Lepidoptera: Geometridae), Canadian Entomologist 1958;90 (Supplement 8):104 (may also be referenced as MESC-8, or as *Memoirs of the Entomologic Society of Canada* 90(8)). Also, McGuffin, W.C., *Geometridae Canada* 1, MESC-50, 1967, and McGuffin, W.C., *Larvae of the Larentiinae*, Dissertation Abstracts 1956; 16(12):2563-2564. Send information to J.F. Burris, 4803 Davenport Street NW, Washington, D.C. 20016.

Wanted

Wanted: Seeds of subtropical butterfly food plants such as *Citrus*, *Eucalyptus*, *Aristolochia*, etc. Live diapausing pupae of any macrolepidoptera, especially Papilionidae and Saturniidae, with delivery in September to December for photo project and breeding. Contact Yuri Berezhnoi, P.O. 29, Voronezh, 394029, Russia.

Seeds (or acorns) for sale: laurel oak (*Quercus laurifolia*), live oak (*Quercus virginiana*), myrtle oak (*Quercus myrtifolia*), poison sumac (*Rhus vernix*), lacquer tree (*Rhus vernicifula*), prickly ash (*Zanthoxylum americanum*), water soldier (*Stratiotes aloides*), Sakhalin corktree (*Phellodendron sachalinense*), Lavalley corktree (*Phellodendron lavalleyi*), and Chinese corktree (*Phellodendron chinense*). Contact Randy Robinette, 4528 Hatfield Street, Ashland, KY 41102-9154 or call (606)928-6993.

Contacts for purchase of papered specimens of common species of butterflies, moths, and insects from collectors/dealers worldwide. I am working on a nationwide educational project, and am in need of large bulk quantities of common species only. Contact Bruce A. Ithier, P.O. Box 392, Bolivar, PA 15923 or telephone (412)832-5616.

The Market Place

Wanted: One or more cabinets with drawers, California Academy or Cornell, or older style in good condition. Please contact Ray Reiter, 75 Albany Avenue, Toronto, Canada M5R 3C2, phone (416)536-0999, e-mail reiter@cs.toronto.edu

Specimens of Nearctic and Neotropical *Colias* spp. wanted. Also, livestock of North American and Canadian Papilionidae, Pieridae, and Nymphalidae. Will buy or exchange for European livestock, or *Colias* as above. Please write with details to Bob Worthy, 10 The Hill, Church Hill, Caterham, Surrey CR3 6SD, England.

Seeking Ferguson, D.C., 1955, *The Lepidoptera of Nova Scotia*. Comstock, J.A., 1927, *Butterflies of California*. I am also interested in purchasing used copies of the *Moths of America North of Mexico*. All fascicles needed. Will pay fair prices or trade for Holland's *The Moth Book* or *The Butterfly Book*. Contact Kirk Zufelt, Unit 15, 475 Sandringham Cr., London, Ontario Canada N6C 5B9, or phone collect (519)685-7164.

Videos of North American butterflies, and slides of north American butterfly eggs, larvae, or pupae wanted. A CD-ROM is being made of my book, *Butterflies of North America*, and I need a few videos of flying butterflies. Contact James Scott, 60 Estes Street, Lakewood, Colorado 80226.

Art

Unique opportunity to purchase eight famous Saturniid moth prints by Dr. John Cody. Seven of these are signed, limited edition, serial #5; one is a unique artist's proof. Prints are 17" x 23 1/2". *A. maenas*, *A. luna*, *L. katinka*, *C. promethea*, *B. alcinoe*, *A. atlas*, *C. madagascariensis*, and *D. simla*. Two are no longer available new, and sell for \$500 and \$650. When available new, each cost \$165. When original stock sells out, these prints will triple in value. Low serial numbers and artist proof make these a great investment as well as being super collectable for their breathtaking beauty. Dave Hyatt, 6145 East San Bernardino, Tucson, AZ 85715. Telephone (602)885-1195.

Butterflies of the Americas: "Flutterby" Prints by Diane Pierce. Artist Diane Pierce has been an avid butterfly gardener for more than ten years. She selects not only nectar plants for the adults, but food plants for the larvae as well, using native trees, shrubs, annuals and perennials whenever possible. Her exquisite collection of prints available for sale include the Palamedes Swallowtail (*Papilio glaucus*), on Lantana, Monarch (*Danaus plexippus*) on Butterfly Weed, American Lady (*Vanessa virginiensis*) on Burmarigold, Gulf Fritillary (*Agraulis vanillae*) on Climbing Aster, Palamedes Swallowtail (*Papilio palamedes*) on Pickerel Weed, Spicebush Swallowtail (*Papilio troilus*) on Sweet Bay, Orange-Barred Sulphur (*Phoebis philea*) on Garberia, and Cassius Blue (*Leptotes cassius*) on Plumbago. Prints are \$12.50 each. Selections may be framed for an additional \$25. For brochure and order form, contact "Edge of the Wild," 5010 Lake Pierce Drive, Lake Wales, FL 33853 (813)439-2278.

Travel

The Rain Forest Lodge Rancho Grande

The Rain Forest Lodge Rancho Grande, in combination with the Fautron Foundation, offers you 5,600 acres of rainforest and secondary growth, with 20 miles of well-marked trails, a real paradise of insects, birds, and other wonderful wildlife. The Fautron Foundation's purpose is to save rainforest in central Rondonia, Brazil. With more than 1,600 registered species of butterflies, Rancho Grande is number one world wide in diversity. German administration. Good accommodations, food, bar, swimming pool, laboratory facilities, and library. German, English, Spanish, and Portuguese spoken. Guests will be met at the airport in Porto Velho. For more information, write Harald Schmitz, C.P. 361, Ariquemes RO, Brazil, or send FAX to 0056 69 535 4301. In the U.S., phone Jeanne Leuschner, Uniglobe In-World Travel, Lawndale, California 1-800-386-4359.

West-Sumatra

Guide for collecting trips in West-Sumatra for lepidoptera. For information contact Widago, JLN.Anas Karim 35, Padang Panjang 27116, West-Sumatra, Indonesia or call the insectarium (0752)82061 or home (0752)83210.

Caribbean Wildlife Surveys

ASC Publications

**Tom Turner, 2321 State Road 580,
Clearwater, FL 34623 (813)797-0466**

Wildlife surveys are being organized to contribute to biodiversity studies of the flora and fauna of the Greater and Lesser Antilles and neighboring islands. Each survey consists of about a week of field collecting, recording, and photographing. Analysis of the material obtained is done in the following weeks. In Jamaica, reports are made to the Conservation Data Centre, an affiliate of The Nature Conservancy, with regard to rare species sightings and any threats observed to endangered species or their habitats. In Jamaica and other islands, plant communities and selected plant and animal distributions are being plotted, and localities are being recorded with biological information and photographs.

The flora and fauna of Jamaica and neighboring Caribbean Islands have been extensively collected during the last three centuries. A large percentage of this collecting has been scientifically documented, but a significant portion remains unreported or underworked, including the moths. In Jamaica, several new plant records are made each year, on the average, and new butterflies are discovered about once per decade. Extinctions of plants and animals are occurring at a frightening rate, due to clearing of the last remaining areas of primary forest. Fortunately, butterflies seem to be relatively unaffected so far. Surveys are being arranged for small groups of amateurs or professional birders, botanists, entomologists, etc., individual scientists, or larger student groups (preferably accompanied by their professor).

The primary interest has been in sampling and photography of Lepidoptera and their larval food plants, but also included are observation of birds, amphibians, reptiles, and plants, particularly Melastomataceae and Orchidaceae. Emphasis has been on studies of endemic Caribbean genera and their origins with comparative studies of related mainland genera, mostly in Central and South America.

Survey participants enjoy staying in quiet guest houses and secluded hotels. They sample local cooking and a wide variety of native fruits, visit beautiful, uncrowded beaches and remote waterfalls, and admire the birds and other wildlife. If you are looking for an unusual vacation, join us in surveys, and contribute to wildlife conservation in and around the Caribbean.

All land-based activities in the host country are fully covered in a single all-inclusive package. As an affiliate of Prestige Travel Services of Tampa, Florida, Caribbean Wildlife Surveys now also assists with travel arrangements to and from the host country. Normally six months notice is required to plan each survey, but applicants can often be included in surveys already organized.

Caribbean Wildlife Surveys is actively engaged in the conservation of the Caribbean flora and fauna, and fully complies with all host country and international wildlife regulations. Collecting permits for voucher specimens are arranged if required. Photography is encouraged. Commercial collecting is not permitted.

For further details or to arrange a survey or to join those already planned, call Tom Turner at 1(800)897-0466, or phone or fax (813)797-0466. All inquiries are welcomed.

The Association of Systematics Collections offers pertinent publications, including the following:

Status, Resources, and Needs of Systematics Collections, 1995. 80 pp. ISBN 0-942924-18-5 \$15.00

Guidelines for Institutional Policies and Planning in Natural History Collections, 1994. 124 pp. ISBN 0-942924-17-7. \$22.00

ASC Newsletter (periodical). ISBN 0147-7889 Individuals \$21.00 per year, \$35.00 for two years.

Controlled Wildlife: Federal Permit Procedures, 2nd Edition, 1993. 265 pp. ISBN 0-042024-16-9 \$40.00

Foundations for a National Biological Survey, 1986. 215 pp. ISBN 0-942924-13-4 \$10.00

A Guide To Museum Pest Control, 1988. 205 pp. ISBN 0-942924-14-2 \$36.00

For more information about ASC membership and publications, write or call the Association for Systematics Collections, 730 Eleventh Street, NW, Second Floor, Washington, D.C. 20001-4521 (202)347-2850.

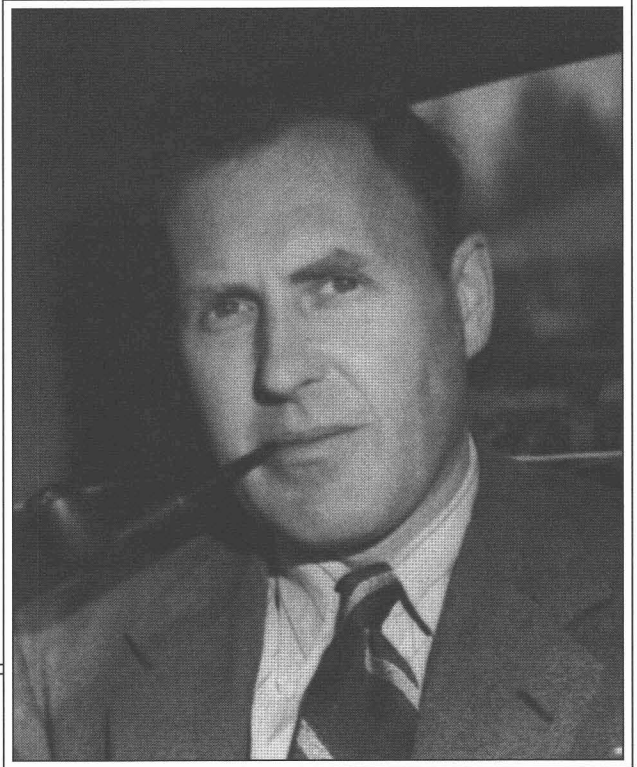
No longer selling
Lepidoptera: The Thai
Papilio Co., Ltd. has moved
to 113 Moo Bahn Rim
Vieng, Orm Muang Road,
Tambon Changklan, Muang
District, Chiang Mai 50100,
Thailand, telephone and
FAX (053)272136. We no
longer sell or exchange
Lepidoptera.

Metamorphosis

EDUARDO C. WELLING M.

from Kent H. Wilson,
P.O. Box 1097, Edmond, Oklahoma 73083-1097

Eduardo Welling of Yucatan, Mexico, passed away January 26, 1995. A note was received by Kent Wilson from Edward C. Welling of 9767 Oleander Avenue, Fontana, California 92335. Eduardo Welling lived in Yucatan for about 50 years, hiring locals to collect butterflies, which were sold in 100 specimen lots. He trekked the back country of Yucatan, Guatemala, and Belize, and was a member of the Lepidopterists' Society for about 40 years.



John Mervyn Plomley (1911-1994)

by J.B. Heppner, Curator, Florida State Collection of Arthropods, Bureau of Entomology, Division of Plant Industry, Florida Department of Agriculture and Consumer Services, P.O. Box 147100, Gainesville, Florida 32614-7100

Mervyn Plomley, of Hollywood, Florida, died October 19, 1994. He was a long-time enthusiast of butterflies and moths, since beginning collecting as a boy. He was born September 5, 1911, in Paris, Ontario, Canada. Following his education in Canada, he studied biology at the University of North Carolina. During World War II he was assigned as a biologist with a hospital in England for 5 years. Mr. Plomley was an expert photographer, especially doing portrait photography for over 30 years in Canada. Later, after moving to the United States, he was in the security business. He married Elizabeth Ann Ferguson and later moved to Florida, settling in Hollywood, Florida in 1957. Besides his interest in photography and Lepidoptera, Mr. Plomley was also an enthusiastic naturalist and orchid grower, which is evident in the well-planted garden in Hollywood he and his wife maintained. He has three daughters, with one living in Florida, one in Mississippi, and one in Ontario, Canada.

Mr. Plomley left a collection of butterflies and moths of almost 8,000 specimens. His collection includes specimens from all over North America, including many rare species and subspecies, particularly from western regions and from Florida. Among the moths, a particular interest was in the Geometridae, and this part of the collection is especially strong in numbers of species, including some specimens he obtained from collectors in Europe and India. His collection and library have been donated to the Florida State Collection of Arthropods, Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville, Florida. His portrait, shown above, was taken about 1956 in Canada.

from Julian P. Donahue, Emeritus Curator of Lepidoptera, Natural History Museum, 900 Exposition Boulevard, Los Angeles, California 90007-4057, U.S.A.

CHARLES A. BRIDGES III

A member since 1969, Charles Bridges is perhaps best known for his monumental catalogs and bibliographic work on butterflies of the world. He was born September 17, 1941, and died in Urbana, Illinois, on January 21, 1995.

WILLIAM J. GUNNING, JR.

A member since 1986, William Gunning was born May 14, 1917, and died in Lancaster, Pennsylvania on November 9, 1994.

MICHAEL ZAPPALORTI, SR.

A Charter Member of the Society, Michael Zappalorti died in Staten Island, New York on September 5, 1994.

Membership Update

Includes All Changes Received by May 23, 1995

Julian P. Donahue, Assistant Secretary of the Lepidopterists' Society and Emeritus Curator of Lepidoptera, Natural History Museum, 900 Exposition Boulevard, Los Angeles, California 90007-4057 U.S.A./

Corrections and Minor Changes to the 1994 Membership Directory

- AIELLO, ANNETTE: new numbers: phone 011 (507) 52-5539 or 27-6022; FAX 011 (507) 32-5978.
- BOSWELL, JEFF: correct postal code is "TN35 5HS"
- CORMIER DANIEL: correct postal code is "E1C 9K4"
- DANIELS, JARET C.: change apartment number to "5F"
- DONALD, STEVE: change postal code to "L1V 4M4"
- EPSTEIN, MARC: change "NHB 127" to "NHB 105"
- FULLER, EDWARD R.: change Dept. to "Biological Sciences," and postal code to T6G 2E9.
- GREENFIELD, STEVE: correct street number is "1810"
- HALL, JAMES R.: add "Biology Dept." to college address
- LAMOUR, MICHEL: change postal code to "F-85180"
- LEMOINE, CHRISTIAN: correct full address is: 4 Allee Bellevue, Clere-sur-Layon, 49560 Nueil-sur-Layon, France.
- PASSOA, STEVEN: change "Building 3, Room 109" to "Building 7"
- PORTER, ADAM H.: name of the university is "Bowling Green," of course!
- RUSSELL, WILLIAM: new street number is "772"
- SALAZAR E., JULIAN A.: correct street address is Carrera 17a, #49-13.
- SOLIS, MARIA ALMA: change "NHB 168" to "MRC 127"
- WILSON, JOHN G.M.: note correct initials (not "S.M.")
- WOODLEY, ROBERT E.: change "Hetrick Street" to "Hetrick Avenue"

"Lost" Members (publications returned):

- BRIAN DESAUTEL, Spokane, Washington ("nixie"—unknown)
- DAWN E. DOCKTER, Illinois ("temporarily away")

New and Reinstated Members

New members who joined since the last list was published (News of the Lepidopterists' Society #5, 1994), but who are included in the 1994 Membership Directory, listed by name only.

- 10/04/94 3899 BODNAR, EDWARD J., Jr.
- 11/10/94 3911 DESAUTEL, BRIAN
- 10/04/94 3901 FEATHERSTON, C. TIMOTHY
- 11/10/94 0267 FUJIOKA, TOMOO (Prof.)
- 11/10/94 3908 GREGORY, ALAN C.
- 11/10/94 3909 JOHNSON, DIANE
- 11/07/94 3903 KRIEGER, NICHOLAS
- 11/07/94 3905 KRUSE, JAMES J.
- 11/14/94 3147 LAYRON, GRELANDO M.
- 11/14/94 2132 LUY, UDO
- 11/10/94 3912 McAVOY, TOM
- 11/07/94 3904 McLAURIN, CATHY R.
- 10/04/94 3900 MILLS, RICHARD R. (Dr.)
- 09/21/94 3896 OSBORN, DEBORAH L.
- 11/10/94 3907 SCHNEIDER, JUDY H.
- 11/10/94 3906 SCHNEIDER, PETER H. (Maj.)
- 10/04/94 3902 SCOTT, KELLIE
- 09/28/94 3898 SWEET, LARRIE H.

ADDRESS UPDATE

Members who, since the publication of the 1994 Membership Directory, have joined or renewed, or have been found, or who have rescinded their request to be omitted, and who were not included in the 1994 Membership Directory. All are located in the United States, unless noted otherwise.

- 12/08/94 3922 ABERCROMBIE, FRANKIE JEAN (Dr.): Professor of English, Route 1, Box 372, Murrayville, GA 30564.
- 02/08/95 3950 ALLAIN, JANE DONAHUE: 70 East Plain Street, Berkley, MA 02779.
- 12/20/94 3697 ALLEN, VICTORIA: 98 John Street South, Hamilton, Ontario L8N 2C1, CANADA.
- 03/20/95 3967 BAIRD, JANE: 904 Calgary Way, Golden, CO 80401.
- 12/20/94 3930 BLACK, BENJAMIN A.: 30 Uplands, Berkeley, CA 94705.
- 03/20/95 3975 BRADLEY, JEFFREY: 20911 Enmoor Avenue, Barrington, IL 60010.
- 04/19/95 3996 BRIDGHAM, BONNIE: Rural Route 02, Box 1056A, Auburn, ME 04210.
- 02/08/95 3955 BROWN, PHYLLIS: 235 Dixie Avenue, Wilmington, NC 28403.
- 03/20/95 3968 BROWN, R.H.: P.O. Box 4072, Burlingame, CA 94011.
- 11/21/94 3919 CASSADA, CHRISTOPHER M.: 2715 Riedling Drive, #3, Louisville, KY 40206.
- 01/24/95 3943 CHARLTON, SHERRILL: 944 Emilee Point, Gallatin, TN 37066.
- 05/22/95 4004 CHMIELEWSKI, ROMUALD: P.O. Box 2113, 90-959 Lodz 2, POLAND.
- 02/09/95 2679 CLAVIJO A., JOSE A. (Dr.): MIZA, Facultad de Agronomia, Universidad Central de Venezuela, Apartado 4579, Maracay, Aragua 2101A, VENEZUELA.
- 12/08/94 2593 CORNELIUS, W.S.: P.O. Box 57, Albion, CA 95410.
- 01/24/95 3944 CUNNINGHAM, KEVIN: 3204 East Park Avenue, #195, Houma, LA 70363-3738.
- 12/20/94 3928 DAVID, RICHARD A.: P.O. Box 158, Polson, MT 59860-0158.
- 02/08/95 3957 DEBINSKI, DIANE (Dr.): Dept. of Animal Ecology, 124 Science II, Iowa State University, Ames, IA 50011-3221.
- 01/18/95 3939 DEUTSCH, BARBARA: 1919 19th Street, San Francisco, CA 94107.
- 01/18/95 3942 DOHM, MICHAEL R.: Dept. of Biological Sciences, Stanford University, Stanford, CA 94305.
- 03/20/95 3411 EDRADA, MILA L.: P.O. Box 2668, Manila, PHILIPPINES.
- 03/28/95 3984 FALK, DIANE: 18863 West Stateline Road, Antioch, IL 60002.
- 02/15/95 3958 FRIEL, MARY ANNE: 945 C 22nd Avenue, Oakland, CA 94606.
- 03/13/95 3962 GARCIA, LORENZO: Apartado Correos 54.278, 28035 Madrid, SPAIN.
- 12/27/94 3935 GARMAN, CAROLYN E.: 11980 West Pleasant Ave., Golden, CO 80401.
- 03/20/95 3965 GEORGE, JEREMIAH N.: 17926 Harvard Blvd. #A, Gardena, CA 90248.
- 12/08/94 3921 GIFFIN, JON G.: P.O. Box 74, Kamuela, HI 96743.
- 02/08/95 3956 GILLIGAN, TODD M.: 16721 County Road 109, Arcadia, OH 44804.
- 03/20/95 3966 GLIK, TOBIAS E.: 1900 Stearns Drive, Los Angeles, CA 90034.
- 03/20/95 3981 GRANATA, RUSSELL: 114 Commonwealth Ave., #1, Buffalo, NY 14216.
- 03/20/95 3977 GRAZULIS, JOHN E.: 4489 South Lincoln, Englewood, CO 80110.

Membership Address Update (Continued)

- 04/05/95 3243 GREGORY, BEN M., Jr.
(Ph.D.): 9020 Jack Connell Road, Indian
Trail, NC 28079.
- 04/26/95 3997 HARMS, ABBE: Hugh
Courtright & Co., 2407 Walter Zimny
Drive, Posen, IL 60469.
- 01/24/95 3947 HART, PETER J.: 5 Grenville
Court, East Rockaway, NY 11518.
- 02/08/95 3462 HAWTHORNE, STEVEN D.:
1090 Continental Street, #2, Redding, CA
96001-8628.
- 02/08/95 3954 HAY, KARI LEE: 42293
Camino Romo, Temecula, CA 92592.
- 04/19/95 3993 HEINZ, CHERYL ANN:
Department of Entomology, Comstock Hall,
Cornell University, Ithaca, NY 14853.
- 11/21/94 3092 HENNE, DONALD C.: 917
Simpson Ave., Winnipeg, Manitoba R2K
1S5, CANADA.
- 02/08/95 3948 HUNNIFORD, BRENT: 6697
176 Street, Surrey, British Columbia V3S
4G6, CANADA.
- 05/22/95 4005 IBANEZ GIMENEZ, CARLOS:
C/Ntra. Sra. del Coll 63, s. at., 08023
Barcelona, SPAIN.
- 05/02/95 3998 INSLEY, SANDRA YAWETZ:
7370 Pleasant Chapel Road SE, Newark,
OH 43055-9260.
- 11/21/94 2753 JAMES, KIT (Dr.): 49 Farrow
Crescent, Ajax, Ontario L1S 4W7,
CANADA.
- 05/10/95 4001 JAMES, WILLIAM S. (Dr.):
2237 Andover Place, Charleston, IL 61920-
3807.
- 12/08/94 3923 JEBRAM, ANN C.: 9907
Dominion Forest Circle, Fredericksburg, VA
22408.
- 04/11/95 0779 JOLLEY, WALTER E. (D.V.M.):
6155 Rockinghorse Road, Jupiter, FL
33458.
- 02/15/95 3959 KARIME, VALERIE A.: 3630
Purple Meadow Lane, Kingwood, TX 77345.
- 03/15/95 2343 KING, RON: 1321 Audubon
Drive, Columbus, IN 47203-1431.
- 02/08/95 3952 KOCMAN, STANISLAV:
Horymírova 4, 704 00 Ostrava-Zabreh,
CZECH REPUBLIC.
- 12/27/94 3933 KRAMER, IRENE P.: 5110
Berwyck Drive, Troy, MI 48098.
- 04/11/95 3987 LANE, IAN: 1078 Emerson
Way, North Vancouver, British Columbia
V7H 2B1, CANADA.
- 12/01/94 0542 LANGE, W. HARRY (Dr.):
1119 Harvard Drive, Davis, CA 95616-
1708.
- 11/21/94 3918 LaVIGNE, JAMES: 3225
Fernbrook Lane, Plymouth, MN 55447-
5325.
- 02/15/95 3960 LeFORCE, JIM: 1823 North
Spring #202, Mesa, AZ 85203.
- 12/16/94 3926 LEHMAN, JENNY L.: 514
Pacific Avenue, Pittsburgh, PA 15221.
- 02/08/95 3188 LEQUERICA CHIONG,
HERNAN: Putumayo #604, Apartado 172,
Iquitos, Maynas, PERU.
- 02/08/95 3953 LEWIS, JON A.: 14416 North
Fairview Lane, Dale City, VA 22193-2044.
- 12/08/94 3924 LOCK, EARL: 1740 West
Greenleaf Street, Chicago, IL 60626.
- 02/08/95 0957 LOCKWOOD, MICHAEL: 215
Hiialeah Ave., Houma, LA 70363.
- 02/15/95 1642 LUND, RICHARD D.: 10680
SE Southworth Drive, Port Orchard, WA
98366.
- 03/20/95 3978 LYTTLE, RANDY: Route 01,
Box 409, Cayuga Street, Hannibal, NY
13074.
- 03/28/95 3982 MASON, JIM: 1145 Jackson,
Wichita, KS 67203.
- 05/22/95 1167 MATULA, THOMAS L. (Dr.):
Sul Ross State University, 205 Wildcat
Drive, Del Rio, TX 78840.
- 12/20/94 3931 McGINNIS, ANDREW: 212
Bellevue Road, Watertown, MA 02172-4907.
- 05/22/95 4002 MEIER, JOSEPH (Dr.): 6627
Crescent St., Los Angeles, CA 90042.
- 03/20/95 3969 MILEWSKI, CANDIS: 1848
19th Street, Wyandotte, MI 48192.
- 01/18/95 0827 MILNER, ANN: 713 Bransford
Road, Augusta, GA 30909-3837 (omission
request rescinded)
- 01/18/95 0827 MILNER, PAUL F. (M.D.): 713
Bransford Road, Augusta, GA 30909-3837
(omission request rescinded)
- 12/08/94 3920 MIZUTANI, HARUO: 1-1
Kagiyaniishi-machi, Gifu City, Gifu 500,
JAPAN.
- 03/20/95 3746 NEAL, MARTIN: Route 3, Box
35A, Earlysville, VA 22936.
- 01/18/95 2877 NOBLES, LORI SPENCER:
Dept. of Entomology, University of
Arkansas, Fayetteville, AR 72701.
- 04/17/95 3992 O'NEILL, R.K.: Habitat
Creations, 1950 Yolanda Avenue,
Springfield, OR 97447.
- 03/13/95 3963 OBERHAUSER, KAREN (Dr.):
Dept. of Ecology, Evolution and Behavior,
University of Minnesota, 1987 Upper Buford
Circle, St. Paul, MN 55108.
- 04/03/95 3986 PANUCULAN, FERNANDO M.:
Tropical Butterfly House, Tugos, Boac,
Marinduque 4900, PHILIPPINES.
- 03/20/95 3971 PARKER, BRAD: 2879
Bloomington Drive East, Saint George, UT
84770.
- 03/20/95 3973 PICKUP, MARK: 43 Dean
Street, Derby DE22 3PS, ENGLAND.
- 05/22/95 3683 PIERCE, NAOMI E.: Museum
of Comparative Zoology, Harvard
University, 26 Oxford Street, Cambridge,
MA 02148.
- 03/28/95 3983 POLLOM, MELODY: 3810 NE
Meriden Road, Topeka, KS 66617.
- 04/11/95 3989 PROUSE, H. ROWLAND: 7
Sunny Drive, Harrisburg, PA 17112-1856.
- 12/16/94 3925 RABE, MARY L.: Michigan
Natural Features Inventory, 5th Floor
Mason Building, P.O. Box 30444, Lansing,
MI 48909-7944.
- 04/03/95 3985 RACHO, JOSEPH T.: 58
Sugarloaf Ave., P.O. Box 157, Conyngham,
PA 18219.
- 11/21/94 3917 RAGAIN, REX A.: 2524 West
Primrose, Springfield, MO 65807.
- 02/15/95 1467 RAHN, RUSSELL A.: 3205
West Rochelle Road, Irving, TX 75062-
4127.
- 02/08/95 0201 RASANEN, EINO:
Kuivinnientie 21, 70400 Kuopio 40,
FINLAND.
- 12/16/94 3264 RAVENSCRAFT, ALISON: 14
North Tealbrook Drive, Creve Coeur, MO
63141.
- 03/20/95 3979 REED, KERSTIN: 3033
Ebenezer Road, Rincon, GA 31326.
- 03/20/95 3970 REIMERS, BUDDY: 257 David
Hooper Drive, Westwood, NJ 07675.
- 02/08/95 0219 RICHARD, GILLES J.: 6 rue
Jean-Claude Bezanier, F-78360 Montesson,
FRANCE.
- 01/18/95 3938 RICHMOND, FREDERICK W.:
314 Main Street, Suite 23, Great
Barrington, MA 01230.
- 12/20/94 3932 ROLAND, JENS (Dr.): Dept. of
Biological Sciences, CW-312 Biological
Sciences Centre, University of Alberta,
Edmonton, Alberta T6G 2E9, CANADA.
- 01/18/95 2920 SAKAI, WALTER H.: Santa
Monica College, 1900 Pico Blvd., Santa
Monica, CA 90405-1628 (omission request
rescinded)
- 01/18/95 3159 SHAFFER, JACK R.: 13707 SW
66th Street, #214, Miami, FL 33183-2236.
- 12/27/94 3934 SIMON, GARY: 1409 East
Kelly Road, Frankfort, IN 46041.
- 04/11/95 3991 SMALL, DAVID H.: 89 Lake
Ellis Road, Athol, MA 01331.
- 05/10/95 0627 SMITH, LESLIE V.: 966 43rd
Avenue, Sacramento, CA 95831.
- 02/08/95 3949 SMITH, SAMUEL R. (D.C.):
Smith Chiropractic Center, 279 West Main
Street, Suite B, Middletown, PA 17057.
- 04/19/95 3995 SONIN, LEE: 1033 South
Prospect Avenue, Park Ridge, IL 60068.
- 01/18/95 3940 SORENSEN, ANDY: 3206 Iowa
Street, #3, Anchorage, AK 99517.
- 02/08/95 3171 SPRINGER, JAMES P.: 1089
Sylvan Lane, Mountainside, NJ 07092.
- 01/18/95 3941 STELL, GARY D.: 7159
Kingdom Road, Memphis, NY 13112.
- 03/20/95 3974 STEWART, DOUGLAS W.
(M.D.): 3951 Seaton Road, Winston-Salem,
NC 27104.
- 03/20/95 3972 STICH, MICHAEL: 1407 West
Brooklake Court, Houston, TX 77077-2101.
- 03/20/95 3980 STREET, VICTORIA: 5701
Andrews Road, Medford, OR 97501.
- 04/11/95 3990 STRNAD, SVEN P. (Ph.D.):
1433 Wheatsheaf Rd., Yardley, PA 19067.

Membership Address Update (Continued)

ADDRESS CHANGES

- 12/20/94 3929 SUMMERS,
DONNA: 3750 North Cascade
Ave., #G103, Colorado Springs,
CO 80907.
- 01/18/95 3936 TOSCANO,
SANTO: 4 Featherly Court,
New City, NY 10956.
- 12/20/94 1830 URBANSKI, LEO
S.: 4090 Mission Blvd., San
Diego, CA 92109-5095.
- 02/08/95 3951 VAN BUSKIRK,
MICHAEL D.: 5019 SW
Hanford, Seattle, WA 98116-
2936.
- 03/13/95 3964 VARGO, JAMES
T.: 13980 Ireland Road,
Mishawaka, IN 46544.
- 12/01/94 3027 VILORIA P.,
ANGEL L.: Museo de Biologia,
Facultad de Ciencias, La
Universidad del Zulia,
Apartado 526, Maracaibo, Zulia
4011, VENEZUELA.
- 04/11/95 3988 WANKEL,
RONALD: 162 Columbine
Road, Kingsport, TN 37660.
- 01/24/95 3946 WELLS, JOANNE:
3409 Wimbledon, Cibolo, TX
788108.
- 05/22/95 4003 WERNER,
CONNIE S.: 6627 Crescent St.,
Los Angeles, CA 90042.
- 01/18/95 3937 WHEATLEY,
JOHN B. (LTC): AGARD
NATO, PSC 116, FVP, APO, AE
09777. [A U.S. military
address; member stationed in
France]
- 12/16/94 1157 WIERNASZ,
DIANE C.: Dept. of Biology,
University of Houston,
Houston, TX 77204-5513.
- 01/24/95 3945 WILHELM,
FRITZ: 1042 SW Belmont Ave.,
#140, Albany, OR 97321.
- 01/04/95 2529 YOUNG, JAMES
JOHN: 20/F Tung Wai
Commercial Building, 190-111
Gloucester Road, Wanchai,
HONG KONG.

Address changes for
members who are included
in the 1994 Membership
Directory, which have
occurred since the 1994 #5
News of the Lepidopterists'
Society. All are in the USA
unless otherwise noted.
Listed by name only.

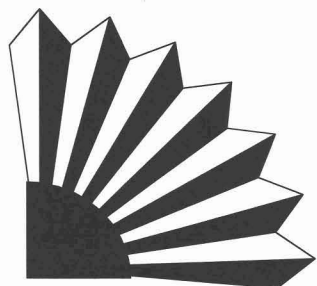
- 11/07/94 0834 APPLEBY,
JAMES E.
- 11/07/94 3133 ARTHUR,
FREDDY
- 11/14/94 1178 BOUTON, DAVID
W. (Rev.)
- 11/07/94 0935 CASSELL,
RICHARD
- 11/14/94 2716 CASSELL,
WILLIAM S.
- 11/07/94 2924 HARDBARGER,
BOB
- 11/07/94 3720 LEAR, KATHY
- 10/04/94 3180 LOGAN,
HARRIETT R.
- 11/07/94 3389 LYON, STEPHEN
MAXWELL
- 11/07/94 0561 McELFRESH,
STEVE
- 11/07/94 3166 PAWLOWSKI,
PATRICIA
- 11/10/94 1745 RICHARDS,
JOHN L.
- 11/07/94 2258 SHAW, DAVID P.
- 11/07/94 3714 SHULTZ,
STEPHEN W.
- 11/10/94 3542 SASSINE,
CHARLES
- 11/07/94 0046 SPERLING,
FELIX
- 11/07/94 3848 WARREN, KEITH
ROBERT
- 11/14/94 3627 WOLF, AMY

Address changes
received since the
preparation of the 1994
Membership Directory.
Located in the USA, unless
noted otherwise.

- 12/27/94 0822 ARBOGAST,
RICHARD T. (Dr.): 2008 SW
76th Terrace, Gainesville, FL
32607.
- 01/18/95 2339 ASTON,
CHRISTOPHER E. (Dr.): 411
Franklin Ave., #2, Pittsburgh,
PA 15221-2823.

- 04/03/95 3354 BALLARD,
EDGAR: 523 West
Gainsborough Road, #204,
Thousand Oaks, CA 91360.
- 05/10/95 2804 BECKER, JAMES
W.: 5211 Kingsfjord Court,
West Chester, OH 45069-5588.
- 01/18/95 3216 BELIK, ALEXEI
G.: pr. Entuziastov, 29, kv. 237,
410049 Saratov 49, RUSSIA.
- 03/28/95 0757 BROWN, LARRY
N. (Dr.): Environmental
Studies, Inc., P.O. Box 565,
Panacea, FL 32346-0565.
- 02/16/95 1272 CALHOUN, JOHN
V.: 263 Milwaukee Ave. #307,
Dunedin, FL 34698.
- 12/20/94 0840 CASHATT,
EVERETT D. (Dr.): Illinois
State Museum-RCC, 1011 East
Ash, Springfield, IL 62703.
- 04/03/95 3424 CHAVES, HUGO
ARMANDO: 3371 Almirante
Brown, Misiones,
ARGENTINA.
- 03/20/95 3330 CLARK, DALE:
10142 Estacado Drive, Dallas,
TX 75228.
- 12/08/94 3777 CRAMERI,
ANDREAS: 531 Drucilla Drive,
Mountain View, CA 94040.
- 01/18/95 1550 DeSWARTE,
DAVID H.: 1632 Mount Airy
Court, Crofton, MD 21114.
- 12/08/94 1435 DeVRIES, PHILIP
J. (Dr.): Dept. of Biology,
University of Oregon, Eugene,
OR 97403.
- 12/16/94 3910 DOMBROWSKI,
DANIEL S.: 6320 Sturgeon
Point Road, Providence Forge,
VA 23140.
- 05/20/95 2726 DUNWOODY,
DAN W.: 1803 Harbor Road,
Kissimmee, FL 34766-3658.
- 01/18/95 0494 EICHLIN,
THOMAS D. (Dr.): CDF/A
Entomology, Plant Pest
Diagnostics Center, 3294
Meadowview Road,
Sacramento, CA 95832-1448.
- 05/02/95 0426 HENRY, PARKER
R.: 4781 N.E. 2nd Ave., Fort
Lauderdale, FL 33334.
- 02/15/95 0898 HOWE, MARK A.:
1321 West 995 North, Lake
Village, IN 46349-9613.
- 05/02/95 3562 JENSON, CHRIS
H.: 15807 Camp Fire Road,
Friendswood, TX 77546-2449.

- 05/10/95 3007 JONES, ROBERT
R.P.: 2206 Roland Drive,
Bailey, CO 80421-2150.
- 03/20/95 1254 KNUDSEN, JOHN
P.: 410 Weathergreen Drive,
Raleigh, NC 27615.
- 02/09/95 3782 KOIZUMI,
KENICHI: 1-45-7 Okusawa,
Setagayaku, Tokyo 158,
JAPAN.
- 04/21/95 3894 LANE, SHAWN
M.: 3330 Whitestocking Road,
Burgaw, NC 28425-9478.
- 12/20/94 0039 LAWRIE, DAVID
D.: 10556 84 Avenue, Apt. 301,
Edmonton, Alberta T6E 2H4,
CANADA.
- 12/16/94 2633 MILLER,
ANDREW S.: 9997 Toby Road,
San Ramon, CA 94583.
- 12/16/94 3324 MOLINA
RODRIGUEZ, J. M.:
Residencial 'El Solis,' Avenida
Antonio Mairena 26, 41950
Castilleja de la Cuesta, Sevilla,
SPAIN.
- 02/09/95 0574 NAGANO,
CHRISTOPHER D.: U.S. Fish &
Wildlife Service, 2730 Loke
Avenue West, Carlsbad, CA
92008.
- 02/09/95 0414 NAGLE, RAY B.
(Dr.): 2033 East Helen Street,
Tucson, AZ 85719.
- 04/17/95 1841 NAUMANN,
STEFAN: c/o Schwarzer,
Potsdamer Str. 7, 10785
Berlin, GERMANY.
- 12/16/94 1016 NEILL, WILLIAM
A.: 2325 SW 21st Ave.,
Portland, OR 97201.
- 05/10/95 3399 OLSON, ERIC J.:
c/o Dept. SJO, P.O. Box
025216, Miami, FL 33102-
5216.
- 03/28/95 3896 OSBORN,
DEBORAH: #3 Lazy Days,
Osage Beach, MO 65065.
- 03/20/95 2380 PALTING, JOHN
D.: 7339 North Yucca Via,
Tucson, AZ 85704-6226.
- 02/15/95 3528 PASSELECQ, J.P.:
Antenna Entomologique,
Passelecq-Richez, Rue de la
Frontiere 20, B-7370 Blaugies,
BELGIUM.
- 12/16/94 3675 PATTERSON,
DAVID C.: 7620 49th Avenue
North., #362, New Hope, MN
55428-4213.



Membership Address Changes (Continued)

- 02/15/95 1463 PETERSON, STEPHEN E., Jr.: 13027 Woller Valley, San Antonio, TX 78249-3729.
- 03/20/95 0873 QUINLIN, MARTIN: P.O. Box 334, Milan, IL 61264.
- 01/18/95 0352 RAMOS, STUART J.: College Station, Mayaguez, PR 00681.
- 03/20/95 0722 REMINGTON, CHARLES L.: (Prof.): Osborn Memorial Lab., Yale University, New Haven, CT 06520-8104.
- 12/08/94 3361 RIDDLE, WILLIAM F.: 27069 Waltz Road, New Boston, MI 48164-9324.
- 02/09/95 3565 ROCKWELL, RONALD F.: 209 Oakwood Drive, Berea, KY 40403.
- 02/09/95 3650 ROSE, H.S. (Dr.): 4049 - Phase II, Urban Estate, Patiala, Punjab 147002, INDIA.
- 03/29/95 1019 SANO, HIROSHI (Dr.): Nara Institute of Science and Technology, Ikoma 8916-5, Takayama, Nara 630-01, JAPAN.
- 02/15/95 1389 SCHIEFER, TERENCE LEE: P.O. Box 9775, Mississippi State, MS 39762-9775.
- 05/02/95 3907 SCHNEIDER, JUDY H.: 1461 Greenfield Road, Westminster, SC 29693.
- 05/02/95 3906 SCHNEIDER, PETER H. (Maj.): 1461 Greenfield Road, Westminster, SC 29693.
- 12/16/94 3606 SEIDL, AMY L.: 21 Ivy Lane, Denver, CO 80220.
- 02/09/95 3231 SELSER, ERMA: 1800 Grand Avenue, #43, West Des Moines, IA 50265-5008.
- 12/16/94 0619 SHAW, LAWRENCE H.: 1607 Brookhaven Ave., Placentia, CA 92670.
- 12/20/94 2818 SHIRAIWA, KOJIRO: N101 Courtside Avenue, 5-63-10 Futawahigashi, Funabashi-shi, Chiba 274, JAPAN.
- 05/10/95 3891 SINGER, MICHAEL S.: 2115 East Mabel Street, Tucson, AZ 85719-4346.
- 12/16/94 3604 SKANDAR, LUIS: Casilla 3122, Calbe Senda, Santa Cruz, BOLIVIA.
- 12/08/94 0632 SORG, DENNIS: 17737 Patricia Way, Grass Valley, CA 95949.
- 02/15/95 3086 STEINKE, SABINE: Geschenke u. Sammelparadies, Königsheide 28, 44536 Lunen 6, GERMANY.
- 01/18/95 3792 STEPAN, JIRI GEORGE: 44D Bulger Ave., New Milford, NJ 07646.
- 12/20/94 1416 TAYLOR, MILTON D.: 221 B Pine Lane, Anderson, SC 29621.
- 04/17/95 2110 THOMPSON, PAUL M.: 835 Roxwood Lane, Boulder, CO 80303.
- 02/09/95 0134 TINTPULVER, MEL: 967 Lakeshore Road West, Mississauga, Ontario L5H 1H8, CANADA.
- 12/27/94 2117 TURNER, JON D. (M.D.): 310 Cole Drive SE, Huntsville, AL 35802-2358.
- 12/27/94 3266 TURNER, NANCY C.: 310 Cole Drive SE, Huntsville, AL 35802-2358.
- 01/18/95 1425 WATSON, CHARLES N., Jr.: Aquatic Resources Center, P.O. Box 680818, Franklin, TN 37068-0818.
- 01/18/95 0889 WIKER, JAMES R.: 212 Railroad Street, Athens, IL 62613.
- 01/18/95 2555 WRIGHT, BARRY (Dr.): P.O. Box 1255, Lunenburg, Nova Scotia B0J 2C0, CANADA.
- 12/16/94 0711 YOUNG, MICHAEL E. (Major): 638 Korina Street, Vandenberg AFB, CA 93437.

Marketplace Policy Statement

The purpose of The Marketplace in the News of the Lepidopterists' Society is consistent with the goals of the Society: "to promote the science of lepidopterology; ...to facilitate the exchange of specimens and ideas by both the professional worker and the amateur in the field,..." Therefore, the Editors will print notices which seem to meet the above criteria, without quoting prices, except for those of publications or lists. No mention may be made in any notice in the Newsletter of any species on any federal threatened or endangered species list. Advertisers must provide a copy of the export permit from the country of origin to buyers, for species listed on CITES. Let the buyer beware. Only members may place ads, which may run in up to two issues, if requested. The maximum length is 100 words.

The Lepidopterists' Society and the Editors take no responsibility for the integrity and legality of any advertiser. Any disputes arising from such notices must be resolved by the parties involved, outside of the structure of the Society. Aggrieved members may request information from the Secretary regarding steps which s/he may take in the event of alleged unsatisfactory business transactions. A member may be expelled from the Society, given adequate indication of dishonest activity.

Contact your state department of agriculture and/or PPQAPHUS, Hyattsville, Maryland, regarding USDA or other permits required for transport of live Lepidoptera. Buyers must take the responsibility for being aware that many countries have laws restricting the possession, collection, import, and export of some species.

ASC Request for Lepidoptery Literature

The Association of Systematics Collections (ASC) is embarking on a second round of obtaining biosystematic literature for the Biodiversity Information Exchange with Cuba Project. This time, literature acquired will be distributed to institutions outside of Havana. In trying to build biodiversity information resources, Cuban research institutions have a great need for current and back issues of taxonomic journals and other biosystematic and ecological literature. To donate and for more information, please contact Elizabeth Hathway, ASC, 730 11th Street, NW, Second Floor, Washington, D.C. 20001-4521, FAX (202) 347-0072

Cover Illustrations

by Jaret C. Daniels
2323 Southwest 35th Place, #9F
Gainesville, Florida 32608

Front Cover

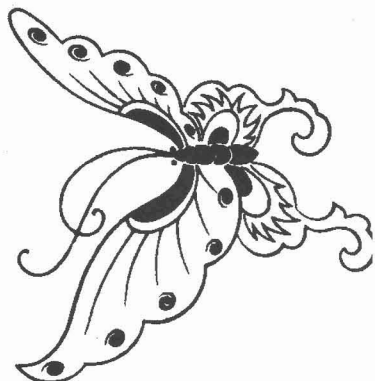
Speyeria idalia, the regal fritillary, sips nectar from purple coneflower (*Echinacea purpurea*) at a Minnesota prairie.

Back Cover

Incisalia mossii bayensis (San Bruno Elfin) from San Bruno Mountain, near San Francisco, California.

These illustrations are meticulously drawn by Jaret C. Daniels. Jaret draws the butterflies from photographs as a hobby. He began drawing as a young child. Another consuming hobby of his is raising butterflies from eggs.

For his Ph.D. research at the University of Florida, Jaret is studying the effects of light and temperature on phenotype in *Eurema daira*. He has worked with Dr. Tom Emmel on the Schaus' Swallowtail (*Papilio aristodemus ponceanus* Schaus) for a number of years. He is newly married this summer.



Membership

Membership in the Lepidopterist's Society is open to all people interested in any aspect of Lepidopterology. To become a member, send full dues for the current year, together with your current mailing address and a note about your particular areas of interest in Lepidoptera, to Julian P. Donahue.

Regular	\$25.00
Student	\$15.00 (certified)
Sustaining:	\$35.00
Life	\$500.00

Remittances must be in US dollars, payable to the Lepidopterists' Society. Members receive the *Journal* (published quarterly) and the *News* (published quarterly, alternating with the *Journal*). Supplements to the *News* include a Membership Directory, published in even-numbered years, and the Season Summary, published annually.

Additional information on membership and other aspects of the Society can be obtained from the Secretary, Michael J. Smith.

Contributions

We welcome contributions to the *News*! Please send in your article or item to us in one of the following formats, in order of preference:

1. Article on diskette. We obtained PageMaker 5.0 in December 1994, and it will translate just about any graphics, text, or spreadsheet program made to that date, including WordPerfect up to 6.0, Microsoft Word, Lotus, Excel, and of course, ASCII and RTF, and more. You may include graphics on disk, too. Please let us know what format it's in when you send it.
2. Typewritten copy, double-spaced.
3. Electronically transmitted file in ASCII format to us via e-mail. Our address is afn10853@freenet.ufl.edu
4. Handwritten, (very legible, or no guarantee what the outcome will be!).

Diskettes, hard copy, and photographs (prints are less expensive to reproduce, but slides are OK) should be mailed to the NEWS editors. Material for the following issues should reach the editors by the following dates:

Issue	Date Due
1 January-March	October 15
2 April-June	February 15
3 July-September	May 15
4 October-December	August 15

Reports for the Season Summary, which is to be mailed simultaneously with Issue #2, should reach the Zone Coordinators (see list on page 31) by January 31. The 1996 Membership Directory is to be mailed simultaneously with Issue #4.

Change of Address

Please send permanent changes of address, telephone numbers, areas of interest, or e-mail addresses to Julian P. Donahue, Assistant Secretary. Contact Dr. Donahue for information on mailing list rental.

Missed Issues?

Requests for missed issues should be directed toward Publications Manager, Ron Leuschner. Defective issues will also be replaced. Please don't ask the editors, because we don't have extra copies of the *News*. Be sure you've really missed an issue by waiting for the subsequent issue to arrive, as publication may only be delayed.

The Journal

Manuscripts submitted for publication in the *Journal* are to be sent to Dr. John W. Brown. Editorial policy is outlined on the inside back cover of the *Journal*.

Send book reviews for the *Journal* or *News* to Book Review Editor, Dr. Boyce A. Drummond.

Publications

Order publications of the Lepidopterist's Society from Publications Manager Ron Leuschner. Add \$2.00 for postage and handling for the first book, plus \$1.00 for each additional book. The following publications are available.

CATALOGUE/CHECKLIST OF THE BUTTERFLIES OF AMERICA NORTH OF MEXICO (Memoir #2), Lee D. Miller & F. Martin Brown, 1981. Includes references to original descriptions and location of type specimens. Cloth-bound: members and subscribers, \$12; non-members, \$19.

SUPPLEMENT TO THE CATALOGUE/CHECKLIST OF THE BUTTERFLIES OF AMERICA NORTH OF MEXICO (Memoir #3). Clifford D. Ferris, editor, 1989. General notes, plus corrections and additions to the original Memoir #2. 1989. Members and subscribers: \$6; non-members \$10.

FOODPLANTS OF WORLD SATURNIIDAE (Memoir #4), Steve Stone, 1991. A listing of foodplants for more than 500 species of worldwide Saturniidae. Members and subscribers: \$7.20; non-members: \$12.

COMMEMORATIVE VOLUME, 1945-1973: A 25-year review of the Society's organization, personnel, and activities; biographical sketches; Journal 25-year cumulative index by author, subject, and taxon; clothbound. Published in 1977. Members and subscribers, \$8; non-members, \$12.

WHERE ARE THE BUTTERFLY GARDENS?, Jane Ruffin, 1994. A 40 page booklet listing 135 locations in 40 states and provinces, noting what each location provides. \$5.00, plus \$0.75 postage if ordered alone.

1994 MEMBERSHIP DIRECTORY (current to November 1994). Biennial directory of members and their addresses, with geographic and interest indices. Not available for commercial use. (NEWS #6 for 1994). \$5.00.

BACK ISSUES of the Journal, and of the News of the Lepidopterists' Society. For a list of the available issues and their cost, send a self-addressed, stamped envelope to the Publications Manager.

Executive Council

PRESIDENT

Dr. Frederick W. Stehr
Department of Entomology
Natural Science Building
Michigan State University
East Lansing, Michigan 48824-1115
USA
(517)353-8739 work
e-mail: fstehr@ibm.cl.msu.edu

IMMEDIATE PAST PRESIDENT

Dr. Paul A. Opler
Office of Information Transfer
National Biological Survey
1201 Oak Ridge Drive, #200
Fort Collins, CO 80525-5589 USA
(303)223-9709 ext. 234

VICE PRESIDENTS

Dr. Thomas C. Emmel
Department of Zoology
University of Florida
Gainesville, FL 32611-2019 USA
(904)377-6300 home; (904)392-1107 work

Dr. Kauri Mikkola
Zoological Museum
P.O. Box 17 FIN-00014
Un. Helsinki FINLAND
(0)191-7421 work; (0)653-212 home

Dr. Bernard Landry
Centre for Land and Biological
Resources Research
Biological Resources Division
Neatby Building
C.E.F., Agric. Canada
Ottawa, Ontario K1A0C6 CANADA
(613)996-1665 work

TREASURER

Robert J. Borth
6926 North Belmont Lane
Fox Point, Wisconsin 53217 USA
(414)351-3816 home; (414) 291-6802 work

ASSISTANT TREASURER and PUBLICATIONS MANAGER

Ron Leuschner
1900 John Street
Manhattan Beach, CA 90266-2608 USA
(310) 545-9415 home

SECRETARY

Michael J. Smith
7428 Holworthy Way
Sacramento, CA 95842 -4165 USA

ASSISTANT SECRETARY

Julian P. Donahue
Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, California 90007-4057 USA
(213)744-3364 work; FAX (213)746-2999

EDITOR, *Journal of the Lepidopterists' Society*

Dr. John W. Brown
San Diego Natural History Museum
P.O. Box 1390
San Diego, California 92112 USA
(619) 942-5147 work; (619) 422-1846 home

EDITORS, *Lepidopterists' Society News*

Marc C. Minno and Maria Minno
600 NW 35th Terrace
Gainesville, Florida 32607-2441 USA
(904) 375-3028 home; (904)329-4578 work
e-mail: afn10853@freenet.ufl.edu
FAX (904)329-4329

NEWS FROM EUROPE EDITOR

W.O. De Prins
Diksmuidelaan 176
B-2600 Antwerpen BELGIUM
Phone 03/322.02.35 (work)
(from the U.S. use 011/32.3.322.02.35)

BOOK REVIEW EDITOR

Dr. Boyce A. Drummond, III
Director, Pikes Peak Research Station
Colorado Outdoor Education Center
P.O. Box 167
Florissant, CO 80816-0167 USA
Phone (719)748-3663
e-mail: pprs@usa.net or 70413.566@compuserve.com
FAX: (719)689-9273

ZONE COORDINATORS

ZONE 1: Dr. Kenelm W. Philip
Institute of Arctic Biology
University of Alaska
P.O. Box 75700
Fairbanks, Alaska 99775-7000 USA

ZONE 2: Jon H. Shepard
R.R. #2, S.22, C.44
Nelson, British Columbia V1L 5P5
CANADA
(604)352-3028

ZONE 3: Robert L. Langston
31 Windsor Avenue
Kensington, CA 94708-1040 USA
(510)524-3001 home

ZONE 4: Dr. Ray E. Stanford
720 Fairfax Street
Denver CO 80220-5151 USA
(303)377-1332 home

ZONE 5: Dr. Ronald Alan Royer
Division of Science
Minot State University
Minot, North Dakota 58707 USA
Office (701)857-3209
FAX (701)839-6933
e-mail:
royer@warp6.cs.misu.NoDak.edu

ZONE 6: Charles Bordelon, Jr.,
8440 Washington Boulevard
Beaumont, TX 77707
(409)866-8163 (home)

ZONE 7: Ross A. Layberry
6124 Carp Road, Rural Route #2
Kinburn, Ontario KOA 2H0 CANADA
(613)832-4467 (h); (613)787-6579 (w)

ZONE 8: Leslie A. Ferge
7119 Hubbard Avenue
Middleton, Wisconsin 53562-3231 USA
(608)836-9438

ZONE 9: Andrew F. Beck
Navy Disease Vector Ecology & Control
Box 43, Naval Air Station
Jacksonville, FL 32212 USA

ZONE 10: Mark J. Mello
P.O. Box 87037
South Dartmouth, Massachusetts 02748

ZONE 11: Dr. and Mrs. Floyd W.
Preston
832 Sunset Drive
Lawrence KS 66044-2373 USA
(913)843-6212

ZONE 12: VACANT

ZONE 13: Dr. Boyce A. Drummond, III
(Book Review Editor)

From:

The Lepidopterists' Society
Allen Press
P.O. Box 368
Lawrence, KS 66044

Nonprofit Organization
U.S. Postage
PAID
Permit No. 116
Lawrence, Kansas

Address Correction Requested

Incisalia mossii bayensis
(San Bruno Elfin)
from San Bruno Mountain,
near San Francisco, California,
by Jaret C. Daniels.

