



NEWS

of the LEPIDOPTERISTS' SOCIETY

No. 6

Nov./Dec. 1985

EDITOR

June Preston
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Lawrence, KS 66044
U.S.A.

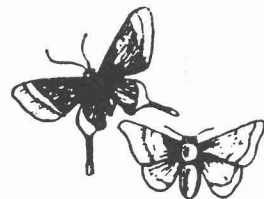
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NEW JOURNAL EDITOR

Dr. William E. (Bill) Miller is the new editor of the JOURNAL OF THE LEPIDOPTERISTS' SOCIETY, beginning Jan. 1, 1986. He is adjunct professor of entomology, University of Minnesota, St. Paul. He teaches a course on the biology of Lepidoptera, and is major adviser to several students doing graduate research on ecology and systematics of Lepidoptera. His own research includes lepidopteran reproductive and population biology, causes of outbreaks, and systematics of Tortricidae-Olethreutinae. He just completed "Guide to the Olethreutine Moths of Midland North America" which discusses and diagnostically illustrates 300 species.

Bill received a B.S. in zoology from Louisiana State University, Baton Rouge, and M.Sc. and Ph.D. in entomology from Ohio State University, and an M.S. in forestry from Michigan State University. He spent a postdoctoral year at the University in Göttingen, West Germany. Until recently he was Chief Insect Ecologist at the USDA Forest Service North Central Forest Experiment Station in St. Paul. He says he knows life "at both ends of the blue pencil." He has authored nearly 100 articles, monographs, and



other pieces in entomology, forestry, and botany, and has served as a translator-editor for the ANZEIGER FÜR SCHÄDLINGSKUNDE and as editor-in-chief of the journal FOREST SCIENCE. Bill lives with his wife and two young sons in St. Paul.

We look forward to a continuation of past quality and usefulness of the JOURNAL under Bill's editorship.

THANKS TO RETIRING JOURNAL EDITOR

With the end of 1985 will come retirement from the duties of JOURNAL editorship for Tom Eichlin. He has worked diligently during the past 5 years to maintain the

high standard of the JOURNAL set by his predecessors. Our thanks to Tom for all the time and energy expended on behalf of the Society.

NOTEWORTHY MEMBERS

The National Academy of Sciences elected 60 new members in 1985. Among these were 2 members of the Lepidopterists' Society. Mention was made in a previous issue of Paul Ehrlich having been so honored. Also honored was Warren H. Wagner of the University of Michigan, Ann Arbor, Michigan.

BUTTERFLIES ON MT. WASHINGTON, NH

Some questionable statements have been made, even in recent books, about the occurrence of Oenis melissa semidea, the Mt. Washington butterfly, and Boloria titania, the Mt. Washington fritillary. Often the former is said to occur in the U.S. only on the summits of the higher peaks of the White Mts. I have seen semidea in recent years widely ranging above timberline on the Presidential Range up to several miles from the summit of Mt. Washington. For example, on July 16, 1966 it was seen near the Halfway House on the auto road and above. On June 30, 1981 it was seen at 5000 ft and above near the auto road. On July 16, 1982 semidea occurred beginning just above timberline on the Ridge of the Caps near the trail from Jefferson Notch to Mt. Jefferson summit. This is about 2.5 miles from Mt. Washington summit. I have also seen great numbers of the butterfly in July about the summit of Mt. Washington in sunshine and shelter from winds.

I have not found the alleged circumpolar titania in the White Mts. in numbers as great as semidea. This very strong flying little fritillary is seen in a wide range of habitats in and around Tuckerman Ravine. In August 1957 I saw several just above the grove of dwarf alders at the foot of the Tuckerman Headwall. On August 15, 1969 one was seen as low as the branching of Huntington Ravine Trail from Tuckerman Trail in the woods; four were seen far above, near the dwarf alders, just below the headwall and snow arch in Tuckerman Ravine. Some were attracted to alpine goldenrod but were hard to approach.

On July 24, 1985 I did not see titania above timberline near the Tuckerman headwall, but one was perched open to the sun on the hiking trail about half way between the headwall and Hermit Lake. Titania were more numerous that afternoon on sunny parts of the ski trail bordered by spruce woods below Hermit Lake. Some were nectaring on orange hawkweed and on alpine goldenrod and others were sunning, open on bare ground or rocks. These titania fritillaries were fast-flying and

difficult to approach, in sharp contrast to the more numerous Speyeria atlantis and less numerous Boloria selene nearby. That titania are wide-ranging and durable was shown by my finding one as late as September above treeline on the Bootspur south of Tuckerman Ravine. It was closed, leaning with the wind and clinging to a rock.

C. E. Schildknecht
Gettysburg, PA

RESOLUTIONS FROM THE 1985 ANNUAL MEETING

These didn't reach me until long after the ANNUAL MEETING issue had gone to press but they deserve to be printed, even if a little late. Ed.

WHEREAS:

We arrived at the birthplace of Lincoln,
Where corn in the field set us blinkin',
Over rugged terrain
To the town of Champaign,
To the "puddle" where glasses were clinkin'.

AND WHEREAS:

Co-Chairman was Godfrey-the-bearded,
With his larval machine - we all cheered it!
And Co-Chair Cashatt,
Forsook forceps and net,
For a car - and to Springfield he steered it.

AND WHEREAS:

For Toliver, Hess and McLeod,
Of whose work we are all justly proud,
They planned and they toiled!
Was their weekend thus spoiled?
We think they stand out in the crowd.

AND WHEREAS:

Berenbaum, queen of the team,
And Sternberg, the slide man supreme,
And Allen and Appleby
Toiling on Saturday,
Worked up a great head of steam.

AND WHEREAS:

To Illini Grove did we go
Where burgers and lemonade flow,
With tea poured by Herridine,
Cake cut by Sherrid - Fine!
'Til rain fell, and wind it did blow!

AND WHEREAS:

When Platt, Godfrey, Hess and Cashatt
Encountered a charcoal briquette,
The result of this antic,
Was someone melanic,
We haven't discovered who yet!

AND WHEREAS:

Providing perennial jokes,
With prizes in hand for the folks,
Covell at the wheel,
Played at making a deal,
Who knows how he started this hoax!

BE IT RESOLVED THAT:

To all of you present, "Good Cheer!"
For, indeed, we enjoyed our time here.
I guess we all know
That it's time to go ...
But Ottawa beckons ---- next year!

Respectfully submitted,
Jo Brewer
Jackie Miller

NEW LOCAL SOCIETY FORMED

It is with pride that we can draw fellow members' attention to the fact that 1984 and 1985 has seen the formation of a new society of interested Lepidopterists. The Lepidopterists' Society of Southern Africa has ratified its constitution at its 2nd Annual Congress held 10 and 11 August 1985 at the Transvaal Museum, Pretoria, Republic of South Africa.

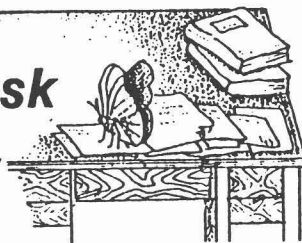
One of the primary aims of this Society is to liaise with and advise nature conservation authorities on matters and developments of ecological importance. The protection of threatened and endangered species featured prominently in our discussions. Several important publications are in the pipeline such as, an updated index of all the Lepidoptera of Southern Africa, another monographing the African Charaxinae, as well as a volume covering African Saturniidae, with complete life histories in most instances. All are eagerly awaited.

Another objective is to foster and encourage original research and to provide reference collections of public interest and local checklists. The vexing problem of commercial exploitation is also currently receiving attention.

The membership has reached the suprisingly high figure of 180; we anticipate a steady growth as the Society's activities become known. Our standard reference work, Pennington's Butterflies of Southern Africa is down to its last 400 copies and at the current favourable dollar/rand exchange, the cost is about \$22 = R55,00 - this can only be considered a bargain. Enquiries may be forwarded to D. M. Kroon, P.O. Box 572, Sasolburg 9570 Orange Free St., SOUTH AFRICA.

From The Editor's Desk

June Preston



There are times when we all err and I must apologize because I made a serious error by printing a submitted item on Common Names (NEWS #3, 1985, pg. 45) without editing it sufficiently so that it dealt solely with the issue of Common Names. Although letters and articles are accepted whether or not the editor agrees with the opinions expressed, it is not now and never has been our policy to malign another publication or another lepidopterist's ideas. We apologize especially to Rudi Mattoni and the Journal of Research on the Lepidoptera and beg their forgiveness. The field of lepidopterology is enhanced and broadened by the presence of two quality journals. A little controversy can be a very enlightening experience as long as it is only the issues involved that are examined, but when we go beyond issues we have overstepped our bounds, and we hope it will not happen again.

The following letter has another view on the common names theme.

Dear June:

An unchangeable system is doomed to decline--maxim. Some readers have criticized the use of common names. But in one respect, common names are far superior to scientific names: common names can be corrected and improved, scientific names cannot. Many scientific names are misleading, such as Plebejus lupini, whose larvae eat Eriogonum, not lupine. In most cases the most appropriate latin or greek name cannot be used for a new genus, because that name is already applied to some other organism such as a Bornean fish, so the author is forced to invent some inappropriate or nonsensical jawbreaker combination of letters merely to avoid homonymy. Scientific names are often horrible-sounding, such as Harkenclenus (hark, you maid, and clean us!) or acrocneema (an acne-like case of encysted facial nematodes?, or a crock?--the latin means "top of mountain slope" whereas the butterfly generally occurs at the bottom of a swale!), and most species names today apply to some obscure person no lepidopterist has ever heard of ("estelleae", etc.--and who was Milbert of Nymphalis milberti fame, was his

brother Filbert the Nut??).

We are stuck with bad and misleading scientific names forever, but we can improve and correct common names. 100,000 birders have corrected and improved the bird names so much that now no one uses the scientific names. The same has happened to mammals and trees, and butterflies will follow, when their names are sufficiently corrected and improved. Let us remember too, that when we consider generic changes, common names are more stable than scientific ones!

James Scott
Lakewood, Colorado



MICROCOMPUTER USERS GROUP

At the recent Champaign-Urbana meeting of the Society, interest was shown in the possible formation of a microcomputer users group for exchange of ideas and programs. I promised to be the focus, at least temporarily, of inquiries, and to help form the group if interest develops. If you are interested in being part of such a group, send me your thoughts on the advisability of forming one along with possible formats for information exchange, and structure of a possible questionnaire. All correspondence will be acknowledged. Floyd W. Preston, 832 Sunset Dr, Lawrence, Kansas 66044, USA. Phone (913) 843-6212 weekends or evenings.

AIR MAIL OR FIRST CLASS SERVICE AVAILABLE FOR PUBLICATIONS

Do you fret that your NEWS arrives so late that you missed out on all the desirable items you read about in the Market Place section or that deadlines for meetings or jobs have already passed? You can have your NEWS and JOURNAL sent FIRST CLASS in the United States, Canada or Mexico or AIR MAIL overseas by paying an additional \$10.00 per year for this service along with your dues, beginning in 1986, and notifying the treasurer that you want AIR MAIL/FIRST CLASS service.

GUIDE TO CLARKE-SHEPPARD COLLECTION OF BUTTERFLIES

An off-set printed copy of a Guide to the Clarke-Sheppard Collection of Butterflies has been placed in the Library of the Lepidopterists' Society at the Los Angeles County Museum (see item on Library in last issue) through the courtesy of its author, Sir Cyril A. Clarke. The purpose of the guide is to enable non-geneticists to follow much of what is in the bound reprints which accompany the collection, and to understand the various points demonstrated by the collection. A major portion of the specimens represent hybrids resulting from hand pairings of members of the Papilio machaon group and also pairings of Papilio glaucus with its close relatives. Mimicry of Papilio polytes, Papilio dardanus, and Papilio memnon are displayed. Other species represented are Hypolimnys bolina and Lymantria dispar. Those interested in learning more about the guide and studies involved with the collection should contact Sir Cyril A. Clarke at 43 Caldy Road, West Kirby, Wirral, Merseyside, L48 2HF ENGLAND. He has graciously agreed to show the collection to interested individuals.

FINANCIAL SUMMARY, CALENDAR YEAR 1984....

1. Beginning Balance, 1984	58,771.62
Adjustments:	
Committed to 1983 Journal	18,021.39
Committed to other 1983 expenses	890.27
1984 income on hand	12,936.00
Total	31,847.66
Adjusted balance	26,923.96

2. Allocation of assets, beginning 1984	
Permanent Publication Fund*	23,158.63
Illustrations Fund	424.50
General Operating Fund	3,340.83
Total	26,923.96

3. EXPENSES for 1984	
JOURNAL publication	25,894.88
NEWS publication	10,461.45
Supplies	485.44
Mailing List Maintenance	928.87
Back Issue Handling	358.04
Miscellaneous	240.52
Dues Notice	919.76
Programming	1,738.31
	41,027.27

4. INCOME for 1984	
Member Dues	24,851.74
Institutional subscribers	3,000.00
Air Mail Postage	387.00
Page Charges	3,462.17
Back Issue Sales	1,320.50
Sale of Member List	597.60
Other Income	2,005.00
Interest	5,418.25
Miscellaneous	263.62
Life Member Excess	1,532.10
Illustrations Fund	58.00
	42,895.98

Ending Balance 28,792.67

5. ALLOCATION OF ASSETS, end of 1984	
Permanent Publication Fund*	28,104.95
Illustration Fund	572.10
General Operating Fund	115.62
	28,792.67

*The Permanent Publication Fund combines the Publication Fund and The Life Life Member Reserve Fund.

For comparison, the 1983 figures may be found in the NEWS #5, 1984 on page 72.

Eric Metzler, Treasurer

DONATIONS ACKNOWLEDGED

I would like to thank Lawrence Crabtree, Dr. & Mrs. Ben Landing, John Lane, & Susan Schettler for their generous contributions of \$50.00 to the Comstock Award Fund. Each year the Comstock Award is used to honor a prominent West Coast Lepidopterist and encourage student interest in the study of Lepidoptera. The 1984 Comstock Award presented at Meadow Valley, California, honored Dr. William Tilden. Money from the fund is awarded for the outstanding student presentation at the Pacific Slope Meeting of the Lepidopterists' Society. Last year's award was presented to John A. DeBenedictis for his paper entitled, "San Bruno Mountain Microlepidoptera: Copromorphoidea and Yponomeutoidea."

Dave Wagner, Meeting Coordinator
31st Meeting of the Pacific Slope Section
of the Lepidopterists' Society

JOURNAL UPDATE

Vol. 39, No. 1 of the JOURNAL of the Lepidopterists' Society was mailed in October. Vol. 39, No. 2 should be mailed in Nov. or Dec. of 1985.

FLOOD DISASTER RELIEF CAMPAIGN

On Tuesday August 6th this year a flood of unprecedented force destroyed the natural history collections of the Tirol Landeskundliche Museum (Tyrolian Museum) in the Ferdinandeum in Innsbruck. Within a few minutes the flood rose to a height of 1.60 metres on the ground floor. Almost all the Museum's collections were totally destroyed, or so badly damaged that it will take decades to build them up again.

For entomologists the resulting loss is twofold. Innsbruck has become in recent years a major research centre for Alpine Lepidopterology, through the unswerving dedication of Dr. Gerhard Tarmann, and of Mr. Karl Burmann, the nestor of Alpine Lepidopterology. This Alpine Centre has a reputation not only for its extensive and excellently maintained collections, but also for its numerous outstanding specialist publications. Another important factor has been the establishing by Dr. Tarmann and Mr. Burmann of the Innsbruck Lepidopterological Colloquia, which are of high scientific calibre even in an international context.

This successful work has been wiped out by a disaster such as has not occurred for hundreds of years. Important sections of the collections and the library were completely soaked by the flood, so that the development of Entomology in Innsbruck is, so to speak, back at square one. There are many pressing needs: new equipment for the collections, books and journals, technical and administrative equipment, optical instruments, and above all staff, who are badly needed for the slow process of restoring the part of the collection that has been saved.

In this apparently hopeless situation we feel that all entomologists should rally to help our colleagues in Innsbruck. The relief campaign will be conducted as speedily as possible with the minimum of red tape, without setting up a formal organization, and on the basis of mutual trust. I have established a special account for the contributions received. It is intended to use the money to help Innsbruck Lepidopterology at the Landeskundliche Museum through gifts in kind for immediate day-to-day needs. I personally guarantee that the funds will be appropriately and immediately employed.

In this hour of greatest need for our colleagues in Innsbruck, all national and personal priorities should be set aside, so that with the help of many entomologists, fruitful research can flourish again in Innsbruck as soon as possible. Donations should be sent to: ENTOMOLOGISTS HELP TYROL, c/o Prof. Dr. C. M. Naumann, am Rehwinkel 15, 4800 Bielefeld 1, Federal Republic of Germany. Specify account no. 43 596 618 (Bankcode no. 480 501 61). Bankers: Sparkasse Bielefeld, 4800 Bielefeld 1, Federal Republic of Germany. This is the first time in the history of Entomology that practically the whole collection of one museum has been destroyed by a flood. Extraordinary events demand extraordinarily prompt and generous, abundant help.

Dr. Clas M. Naumann
Professor of Zoology

MEMBERSHIP LIST CUTOFF DATE FOR PUBLICATIONS

Along with the computerization of the membership list have come some changes. Beginning in 1986 a late fee of \$2.00 will be assessed on those whose dues have not been paid by February 15th. Anyone whose dues have not been paid by that date will be removed from the mailing list and will not receive any more issues of the NEWS nor of the current year JOURNAL until the dues and late fee have been paid. Dues are payable by Jan

1st, but the six week grace period is being allowed to accommodate the absent-minded among us and those with higher than usual Christmas Holiday expenses. The late fee is necessary to cover the added costs of reinstatement. When you receive your dues notice, if you do not wish your membership renewed, please send a letter of resignation to the treasurer. The Society has no other way to learn of your wish to terminate membership.



Research Notice

● Wanted - Short series (up to 30 specimens per locality) of *Euphydryas* sp. from NW Montana, northern Idaho, SE British Columbia & SW Alberta for a general survey of phenotypes & distributions in this area. Upon completion, results will be made available to all contributors & other interested parties. Material is sought on loan and will be returned promptly. Please contact me first for arrangements. Richard L. Hardesty, 20 4th Ave. E., Apt. #20, Kalispell, MT 59901.

New Members



- BLANCHARD, LAUREL A.: 31 Francis Avenue, Quincy, MA 02169.
BRAUN, MICHAEL P.: 500 Cheyenne Blvd., #300, Madison, TN 37115.
DRYSDALE, DOUGLAS D.: 802 Cresthill Road, San Antonio, TX 78220.
HUBBELL, PETER: Apartado Postal 273, Antigua Guatemala, Sacatepequez, GUATEMALA.
HUBERS, WADE L. (Mrs.): Route 1, Box 85, Pantego, NC 27860.
HUTCHISON, DIRK A.: 8835 Lamar Street, Spring Valley, CA 92077.
KELEHER, WALTER D.: 33 River Lane SHS, Duxbury, MA 02332.
LANIER, MARY: 4835 Beafeaters Road, Jacksonville, FL 32210.
LEES, DAVID D.: 74 Woodcrest Road, Purley, Surrey CR2 4JB, ENGLAND.
LEWIS, D.S.C. (Dr.): P.O. Box 27, Monkey Bay, MALAWI (Africa).
MANISCALCO, ALBERT: 52 Hillary Lane, Penfield, NY 14526.
MILLER, JEFFREY: Route 10, Box 4, Chapel Hill, NC 27514.
MORRIS, FRANKLIN E.: 504 University Avenue, Syracuse, NY 13210.
ORR, A.G.: Australian Environmental Studies, Griffith University, Nathan, Queensland 4111, AUSTRALIA.
SCHAUMLEFFEL, ROBERT W.: 417 East State Street, Olean, NY 14760.
SCHWAB, MANFRED (Dr.): 1643 Eleventh Avenue, San Francisco, CA 94122.
SMITH, DAVID SPENCER (Prof.): Hope Entomological Collections, The University Museum, Parks Road, Oxford OX1 3PW, ENGLAND.
SPARROW, STEPHEN H.: Route 10, Box 4, Chapel Hill, NC 27514.
THOMPSON, ERNEST W.: R.D. #3, Box 147, Huntingdon, PA 16652.
TRAYLOR, DAVID L.: 7724 Hickory Road, Petersburg, FL 32803.
WALTON, DAVID: Whitman Lab, University of Chicago, 915 East 57th Street, Chicago, IL 60637.

Address Changes



BAILOWITZ, RICHARD A.: 3920 Paseo Dorado, Tucson, AZ 85711.
 DE LA GARZA, ANDRES: P.O. Box 3233, Alhambra, CA 91803.
 ENTERLINE, HORATIO T.: Route 3, Box 151, Athens, OH 45701.
 HENDRICKS, PAUL: Dept. of Zoology, Washington State University, Pullman, WA 99164-4220.
 MATTHEWS, DEBORAH: Box 388, New College of University of South Florida, 5700 North Tamiami Trail, Sarasota, FL 33580.
 MILLIGEN, PATRICK C.: P.O. Box 333, Nelson, British Columbia V1L 5R2, CANADA.
 MURZ, LAWRENCE C.: 107 East Tamarind, Lake Jackson, TX 77566 (phone 409-265-1151).
 RICHARDS, R. STEPHEN: 5085 Nesbitt Ferry Lane, Atlanta, GA 30360.
 ROMEYN, RICHARD L.: 2161 Orchard Valley Drive, La Crosse, WI 54601.
 SLOTTEN, JEFFREY R. (D.D.S.): 3201 Parental Home Road, Jacksonville, FL 32216.
 TAYLOR, RICHARD W.: Dept. of Plant Science, Townsend Hall, University of Delaware, Newark, DE 19717-1303.
 THOMPSON, PAUL M.: 68 Etna Street, Brighton, MA 02135.

The Market Place

Buy • Sell • Exchange • Wants



Items submitted for inclusion in this section are dealt with in the manner set forth on page 8 of the Jan/Feb 1985 NEWS. Please note that in keeping with the guidelines of the Society, henceforth no mention of any species on any threatened or endangered species list will be accepted in these items. This will include all Ornithopterans now and for the foreseeable future. Items will be accepted from members only and will be printed only once unless entry in the maximum of two successive issues is requested. Please keep items short. A maximum of 100 words is allowed. SASE calls for a self addressed stamped envelope.

The Society, as always, expects all notices to be offered in good faith and takes no responsibility for the integrity of any advertiser. Any disputes arising from such notices must be resolved by the parties involved outside of the structure of the Society.

FOR SALE: Reared 1A+ Nebraska specimens of *C. selene nebraskensis* and *Papilio bairdii* fm *brucei*. Send SASE to Jim Reiser, 1511 David Drive, Lincoln, NE 68504.

WANTED: *Butterflies of Trinidad and Tobago* by M. Barcant. Send asking price to James M. Loughlin, Section of Birds, Carnegie Museum of Natural History, Pittsburgh, PA 15213.

FOR SALE: Cocoons of *A. luna*, *S. cynthia*, *A. io* and pupae of *C. regalis* and *E. imperialis*. Catherine Hartman, 25903 CR 24W, Elkhart, IN 46517.

FOR SALE: Perfect *Parnassius loxias* ♂ collected 1985 for best offer. Also other better palearctic and nearctic material. List on request. WANTED: Ova of *Catocala*, *Arctiidae*, pupae of *Papilio*, *Pieris*, *Saturniidae* and *Sphingidae*. Jürgen Krüger, Dantiger Str. 14, D-4020 Mettmann, West Germany.

FOR SALE: Miscellaneous publications on Lepidoptera (many families). Send SASE for draft list to M. C. Nielsen, 3415 Overlea Dr., Lansing, MI 48917.

FOR SALE: Butterflies From Bali, Indonesia, Moluccas and Irian Jaya. *Papilionidae*, and *Delias* - papered with data. Send SASE for price list to: Joel Miller, 57 Lynwood Lane, Worcester, Mass., 06109 U.S.A.

FOR SALE: Pupae of the following species in large or small numbers. *Hyloicus kalmiae*, *H. luscitiosa*, *H. chersis*, *H. drupiferarum*, *Smerinthus jamaicensis*, *Paonis myops*, *P. excaecatus*, *Lapara bombycoides* and *Actias luna*. Contact William Houtz, RD#4 Box 477, Pine Grove, PA 17963.

FOR EXCHANGE OR SALE: Ova of *Catocala ilia*, *coccinata* and *innubens*. Also papered *Catocala*. Desire other *Catocala* ova or papered specimens. John Jordison, 414 No. 61st St., Omaha, NE 68132.

FOR SALE: *Unfinished Notes on the Bibliography of the Butterflies*, by Bridges (1985). A three-part bibliography of 15478 items with an index to the Serial literature covering more than 1000 journals. :512 pp, \$37.50. Also: *Notes on the Species-Group Names of the Hesperidae*, by Bridges (1983). A five-part catalogue of 9039 names. 280 pp, \$37.50. Price includes postage in N. America only. Add \$2.50 elsewhere. Both available from the publisher, Charles A. Bridges, 502 W. Main, #120, Urbana, Illinois, 61801.

WANTED: The following publications and books are desired. *Butterflies of the West Coast* by W. G. Wright; *The Macrolepidoptera of the World*, English edition, Vol. 5 *The American Rhopalocera* by Adalbert Seitz; *Butterflies of the Satyrid Genus Coenonympha* by Demorest Davenport; *Systematic Catalogue of Speyeria* with designations of types and fixation of type localities by C. F. Dos Passos and L. P. Grey; *Butterflies of Cuba* by D. Marston Bates; *North American Clearwing Moths of the family Aegeriidae* by George P. Engelhardt; *The Cranbidae of North America* by C. H. Fernald; *On the Sphingidae of Peru* by A. M. Moss. Leroy C. Koehn, 16225 Huntley Rd, Huntsburg, Ohio 44046.

WANTED: All species of *Parides*, both common and rare, in long series with males and females, and full data. Determination and AI quality not mandatory. I especially need specimens from: Guyanas, western and south-western Brazil, Venezuela, Bolivia and Panama. I buy or trade for European butterflies. Dr. Maurizio Bollino, Via Oberdan 22, 73100 Lecce, Italy.

FOR SALE: Scanning Electron Micrograph (9" x 23") of *Hemiargus ceranus antibubastus*, first instar larva. Mag. 240x. Printed on matte paper and suitable for framing. Reasonably priced. Send SASE for cost. Contact J. Y. Miller, Allyn Museum Ent., Fla. State Museum, 3701 Bay Shore Road, Sarasota, FL 33580.

AVAILABLE FROM AUTHOR: Signed copies of *A Field Guide to the Moths of Eastern North America*. Cloth, \$20; paperback, \$15 (includes postage and errata sheet). Also, free errata sheet to those requesting one (send SASE). Charles V. Covell Jr., Dept. of Biology, Univ. of Louisville, Louisville, KY 40292 U.S.A.

FOR SALE: Cocoons of *A. luna*, *A. io*, *C. promethea* and *P. cynthia*. SASE for prices. Larry J. Kopp, R.D., Box 30, Klingerstown, PA 17941.

FOR EXCHANGE ONLY: Have only 2 1A specimens of *Battus zetides* from Dominican Rep. Wanted in 1A condition the following with data: *P. phalaecus*, *P. neyi*, *P. burchellianus*, *P. himeros*, *Battus streckerianus*, *E. hipparchus*, *P. xanthopleura*, *Parn. loxias*, *Prepona garleppianus*, *xenagoras deiphile*, *buckleyana* ♂, ♀s, *Anaeomorpha splendida* or make offers of rarer specimens. Also, correspondence with people interested in Neo-tropical *Papilionidae*. David Matusik, 3757 Main Street, Skokie, Illinois 60076.

FOR SALE: Books - Journals - Newsletters. Send 22c stamp for list. LBS, P.O. Box 10083, Merrillville, IN 46411.

WANTED: Contact with anyone who can supply ova of exotic *Saturniidae* - especially *Rothschildia* & *Automeris* sp. Walter E. Jolley, 201 W. Indiantown Rd., Jupiter, Florida 33458.

FOR SALE, *Cocoons* of; *A. polyphemus oculate* (New Mexico variety); *H. cecropia* female (Denver variety) x *H. gloveri* male (New Mexico variety). Special offer---Papered *Hemileuca hera magnifica* [rare]. For prices send SASE to Jim Coleman, 5812 Leta Rd. N.E., Albuquerque, New Mexico 87107.

FOR SALE: Rocky Mountain Butterfly Distribution Maps, Fourth Edition, March 1985. Nearly 5000 new county records, and clarification of others. Over 21,000 total county records. Send check or money order for \$8 (my cost including postage) to Ray E. Stanford, 720 Fairfax Street, Denver, Colorado 80220.

FOR SALE OR EXCHANGE: I have 234 live A. polyphemus cocoons, 63 live Anisota senatoria pupae, 20 Eudia pavonia cocoons and 15 C. promethea cocoons. Contact Kenneth R. Knight, 433 Brady N.W., Comstock Park, Michigan 49321, or Phone (616) 784-6243.

FOR SALE OR EXCHANGE: Cocoons of Sphinx luscitiosa, Halisdota maculata and Arctia caia. I am interested in cocoons and adults of Saturniidae, Sphingidae or Arctiidae. John L. Richards, 10364 S. 360 E., Sandy, UT 84070.

MEMBERS' COMMERCIAL NOTICES ...

ELIZABETH O. LUMAWIG, P.O. Box 2684, Manila, Philippines. Selling pupae and Philippine insects. Send \$1.00 for price list and postal expenses.

S. K. ONG, Naturalist, Box 2, Simpeitou, Taiwan 112, R.O.C. Phone 02-891-2501 (Taipei). Wish to make contact with Lepidoptera breeders worldwide. Also, seeking a supply of TEKTITE (space mineral ?) in large quantity, especially from Thailand & S. E. Asian countries. It is also named BILLITONITE in Malay Peninsula. Also available, the book BUTTERFLIES OF THE SOUTHEAST ASIAN ISLANDS, Part 1, Papilionidae. 166 magnificent life-size color plates, 459 pages, English text with distribution maps and genitalia illustrations. 31 cm by 23.5 cm, cloth bound. Delivery ex Tokyo, Japan.

TRANSWORLD BUTTERFLY COMPANY (LS), Apartado 6951, San José, Costa Rica, Central America. NEW WINTER CATALOG! Even more material listed in our latest illustrated catalog. Butterflies from S. America, Africa, Europe, etc. Specialists in Morpho and Parnassius. Please state interests. Small orders welcome. Send \$1 Cash/Check for catalog, or \$6 for years' Catalogs/Newsletters mailed every 5 weeks. ALSO WANTED URGENTLY: Any rare or unusual morpho. Males and females. Any quantity. Will pay top prices. Will buy or exchange if preferred. Fresh specimens only. Write first to Simon Ellis, Transworld Butterfly Company. (LS), PO Box 14, Reigate, RH2 9PW, Great Britain.

IANNI BUTTERFLY ENTERPRISES, P.O. Box 81171, Cleveland, Ohio, 44181, Phone: (216) 888-2310. Excellent quality insect mounting pins including: Standard Black, Elephant, Stainless Steel. Best prices available. Also, worldwide butterflies, moths and beetles for all price ranges. Superior quality, double boxed for shipping safety. Very personalized service to the beginning or seasoned collector. Offering the most popular books and supplies and once again FEATURING THE ENCYCLOPEDIA OF THE BUTTERFLY WORLD IN COLOR. Specializing in Papilio, Morpho and Heliconius. Send \$5.00 for one year price list subscription.

NUTHA SIEW, No. 92, Leboh Raya Perajurit 2, Ipoh Garden East, Ipoh, Malaysia. Lepidoptera & Coleoptera, Phasmidae, exotic insects. Dealer, collector, sell. Send cash \$2.00 for 1985 catalogue to cover air postage. All letters answered.

ULYSSES INTERNATIONAL, Steve Lamond, 11A Cleveland St., Wahroonga 2076 N.S.W. Australia. Australian entomological tours, for collecting or photography. We can take you to the habitat of any species of butterfly or beetle in Australia. All equipment, blacklights, etc. supplied. Moderate Rates. Write for additional information.

MICHAEL TURNER, NATURE EDUCATION CENTRES LTD, Silverley House, Theobalds Park Road, Enfield MIDD, EN2, 9BD United Kingdom. WANTED: Contact with persons able to supply both large and small quantities of butterfly pupae. Please provide details of pupae which will be available for delivery from March 86 to August 86.

KEN THORNE, P.O. Box 684, Lambeth, Ontario N0L 1S0, Canada, Phone 519 652-6696. FOR SALE: Butterflies from North America and around the world. Specializing in Papilio, Morpho and Arctic Species. Excellent quality. Send for free lists.

DICK BURGESS, LONDON PUPAE SUPPLIES, Castleleigh, London Road Enfield, EN2 6JF England. Always interested in contacting breeders or suppliers of butterfly and moth pupae, or new customers for live pupae from around the world. Send \$1.00 for current price/stock lists.

JOHN McFEELY. PURPLE EMPEROR SPECIALIST. 90 Stonechat Ave., Gloucester GL4 9XF England. FOR SALE: "PURPLE EMPEROR" livestock (Apaturinae-Nymphalidae). All stages available in season. Available now until March '86 overwintering larvae of: Apatura iris, A. illia, A. metis, A. ulupi (= Chitoria ulupi), Sasakia charonda. Available later in 1986; livestock of Chinese Apatura serarum and Korean Apatura iris peninsularis. Larval foodplants Salix-Populus except ulupi & charonda which use Celtis. Also available: bred specimens; pinned mounted or papered. Send \$1 for full details. WANTED: Livestock of N. American butterflies. Also Agrias, Charaxes, Morpho, Polyura & Prepona livestock - any stage, any species. Good Prices or Exchange.

THAI PAPILIO CO, LTD (M. D. ADAM COTTON), 54 Doi Sakat Gao Road, Tambon Wat Get, Amphoe Muang, Chiang Mai 50000, Thailand. Phone 053-243008. Giant 5-horned rhinoceros beetles (Eupatorus gracilicornis) available in large numbers along with the rarer E. siamensis, plus many other beetles, butterflies and insects of Thailand. All specimens with data; A1 and A1B specimens available. Wholesale pricelist available free on request to dealers only. Visitors also welcome in Chiang Mai.

THOMAS GREAGER, R.D. #6 Box 56-B, Greensburg, Pennsylvania 15601. Worldwide Lepidoptera for sale, also some Coleoptera. Top quality papered specimens, with complete data. Good prices. Satisfaction guaranteed. Send \$1.00 and legal size SASE to receive pricelist. Your dollar refunded on first order.

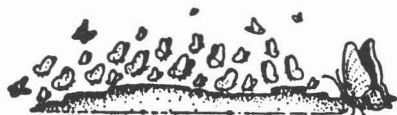
COLECTORES ASOCIADOS DE COLOMBIA, P.O. Box 045 Buga-valle, Colombia. Butterflies, Beetles and all kinds of Insects for all price ranges. Superior quality and Full data included. Send \$5.00 for one year price list subscription; ALL correspondence will be answered.

MRS. CHANG PI-TZU, P.O. Box 873 Taipei, Taiwan (Formosa), R.O.C. Selling Formosan butterflies, moths, beetles, dragonflies, cicadas, spiders, centipedes, wasps and other dried insects, living cocoons and ova of Papilio and Saturniidae moths, sexual mosaics and color aberrations of Lepidoptera, seashells, colored skeletonized Magnolia leaves, and other material for collectors, breeders, educational aids, art work and gift trade.

IMOGENE L. RILLO, P.O. Box 1666 Manila, Philippines. Selling a wide selection of quality rare, uncommon to common Philippine butterflies and beetles. Send \$1.00 for pricelist and postage.

ENTOMOLOGICAL CLEARING HOUSE INC., P.O. Box 778, Hales Corners, WI 53130, Phone 414-679-0805. I have travelled all over the world this past spring and summer. Please send for your new 1986 catalog. All new rare and not so rare butterflies, moths and beetles. I have gotten also many old and very rare insects from old collections in Europe and Japan. As always E.C.H. will trade or buy your collection or stock. Please also send me your want lists. Also have complete stock of elephant insect pins.

META-SCIENCE CO., P.O. Box 70367 Ft. Lauderdale, FL 33307 (305) 561-9303. Rearing and offering live pupae of the following: Danaidae - plexippus & gilippus; Heliconidae - charitonius, dryas, vanillae; Papilionidae - cresphontes, asterius, polydamas, palamedes, troilus; Pieridae - Phoebis sennae, P. philia; Lycaenidae - Eumaeus atala; Nymphalidae - Anartia jatrophae & L. archippus floridensis. The above in any quantity. Send S.A.S.E. for catalog.



Forthcoming Meetings

1986 PACIFIC SLOPE SECTION ANNUAL MEETING

Aug 1-3, 1986 in Arizona. See NEWS #5, 1985, pg 67

FIFTH EUROPEAN CONGRESS OF LEPIDOPTEROLOGY

April 7-10, 1986 in Budapest, Hungary. For details write to Dr. A. M. Vojnits, Zoological Dept., Natural History Museum, Baross utca 13, H-1088 Budapest VIII, Hungary.

THE LEPIDOPTERISTS' SOCIETY 37th ANNUAL MEETING Announcement and Call for Papers

Preparations are under way for the 37th Annual Meeting of the Lepidopterists' Society, to be held at Carleton University, Ottawa, Ontario, Canada from May 22 to 25, 1986. The meeting will be hosted by the Biosystematics Research Institute, home of the Canadian National Collection of Insects, in cooperation with Carleton University. Special features of the meeting will include:

- Open house at the Canadian National Collection of Insects
- An outdoor social evening at which several models of light traps will be in use for comparison
- Symposia on: 1, Immature Lepidoptera; 2, Northern Lepidoptera; and 3, Endangered Lepidoptera vs. endangered habitats
- Field trips to look for *Erora laeta*, *Incisalia lanoraeensis*, *Oeneis chryxus*, and more
- Tours of the National Capital area for families of participating members
- Photo salon and slide show
- Annual banquet

NATIONAL LEPIDOPTERA PHOTOGRAPHIC SALON

Members of the Lepidopterist's Society, the National Association for Photographic Arts (NAPA) and all other photographers are invited to submit original 2" X 2" slides of butterflies, skippers, moths, and all life history stages, for exhibit at the 37th annual meeting. A photographic salon will be conducted in accordance with practices approved by NAPA; recognition is being sought for official NAPA approval. Judges will give primary consideration to scientific value and sound entomological reporting. Entry forms and additional information can be obtained by contacting:

John Fowler, R.A. Photo Club
415 Avondale Ave.
Ottawa, Ontario K2A 0S1, CANADA
Tel (613) 729-0791.

ACCOMMODATIONS

Accommodations will be available for individuals and families at the Carleton University residence for about \$15.00 to \$25.00 per person (\$12.00-20.00 U.S.) depending on requirements. Local motels situated between 2 and 5 miles from the University have rates between \$40.00 and \$60.00 Can. (about \$30.00-45.00 U.S.). There are also several campgrounds in Ottawa west and center, a short driving distance from the meeting place.

PRE-REGISTRATION

In order to receive pre-registration material, and to help us in organizing field trips and family activities, and to ensure suitable accommodations for all, please fill out the questionnaire below and return it by February 28, 1986. Your prompt attention to this is essential.

Complete and mail the following conference information and call for papers form to:

J. Donald Lafontaine,
Biosystematics Research Institute,
Research Branch, Agriculture Canada,
Ottawa, Ontario K1A 0C6, CANADA.
Tel (613) 996-1665 days, or (613) 225-1841 evenings.

NAME _____ TELEPHONE(____) _____

ADDRESS _____ CITY _____

STATE/PROV. _____ ZIP CODE _____ COUNTRY _____

Do you plan to attend the meeting? ____ Yes ____ Possibly.

Will you be bringing family members? ____ Yes ____ No.

Do you require baby sitting? ____ Yes ____ No; For how many? ____.

Do you plan to stay ____ in residence, ____ in a motel, ____ camping, ____ other.

Do you plan to go on the field trips? ____ Yes ____ No.

Do you intend to present a paper? ____ Yes ____ No.

Title of paper _____

Author(s) _____ Presenter _____

Time required (including discussion): ____ 15 min.; ____ 20 min.

Specify needed audio and visual equipment: _____

NOTE- Please include a double space, typed abstract (250 words or less) giving the main results of the paper.

The above questionnaire should be returned by 28 February 1986.

Pre-registration packets will be mailed 31 March 1986 with notification of acceptance of submitted papers.

From: The Lepidopterists' Society
Address Correction Requested:
Allen Press
P.O. Box 368
Lawrence, KS 66044

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DEADLINES: Material for the Jan/Feb issue should reach the NEWS EDITOR by Dec 1 of the previous year, and that for the Mar/Apr issue by Feb 15, for the May/June issue by Apr 1 and for the July/Aug issue by May 1, the Sept/Oct issue by Aug 15 and the Nov/Dec issue by Oct 15. Reports for the SEASON SUMMARY must reach the ZONE COORDINATORS listed on the front cover no later than the 5th of January. NEWS EDITOR is June Preston, 832 Sunset Dr, Lawrence, KS 66044, USA. RIPPLES EDITOR is Jo Brewer, 257 Common St, Dedham, MA 02026, USA.

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INFORMATION ABOUT THE SOCIETY.....

Membership in the Lepidopterists' Society is open to all persons interested in any aspect of Lepidopterology. Prospective members should send the TREASURER, Eric Metzler, 1241 Kildale Square North, Columbus, OH 43229, USA, the full dues for the current year (\$18.00 US), together with mailing address and a note about areas of interest in the Lepidoptera; student membership (must be certified) \$12; sustaining membership \$25; life membership \$250. Remittances must be in US dollars, payable to the Lepidopterists' Society. All members will receive the JOURNAL (published quarterly) and the NEWS (published bimonthly). A biennial membership directory will comprise the last issue of the NEWS in even-numbered years.

Changes of Address must be sent to the SECRETARY, Julian Donahue, address below, and only when the changes are permanent or long-term.

Requests for Missed Issues (i.e. those not delivered although dues have been paid on time) should be sent to the TREASURER, Eric Metzler, address above, or the PUBLICATIONS COORDINATOR, Ron Leuschner, address below. Defective issues will also be replaced by the TREASURER. Do not request these of the NEWS editor.

Information on membership and other aspects of the Society must be obtained from the SECRETARY, Julian P. Donahue, Natural History Museum of Los Angeles County, 900 Exposition Blvd., Los Angeles, CA 90007, USA. Please notify him of any additions or changes in telephone numbers or areas of interest for publication in the membership directory.

Manuscripts submitted for publication in the JOURNAL are to be sent to Dr. Thomas D. Eichlin, EDITOR, JOURNAL of the Lepidopterists' Society, Insect Taxonomy Laboratory, 1220 "N" Street, Sacramento, CA 95814, USA. See the inside back cover of a recent issue of the JOURNAL for editorial policies.

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AVAILABLE PUBLICATIONS OF THE SOCIETY..... Order from the PUBLICATIONS COORDINATOR, Ron Leuschner, 1900 John St., Manhattan Beach, CA 90266, USA.

CATALOGUE/CHECKLIST OF THE BUTTERFLIES OF AMERICA NORTH OF MEXICO (Memoir No. 2), Lee D. Miller & F. Martin Brown: includes references to original descriptions and location of type specimens. Members and subscribers, \$10 cloth, \$5 paper; non-members, \$17 cloth, \$8.50 paper, postpaid.

COMMEMORATIVE VOLUME, 1947-1972: 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. Members and subscribers, \$6; non-members, \$10, postpaid.

1984 MEMBERSHIP DIRECTORY (current to November 1984). Biennial directory of members and their addresses, with geographic and interest indices. Not available for commercial use. (NEWS #6 for 1984). \$5.00 postpaid.

BACK ISSUES of the JOURNAL and of the NEWS of the Lepidopterists' Society. For a list of the available issues and their cost, postpaid, send a SASE to the SECRETARY or to the PUBLICATIONS COORDINATOR.