

# NEWS

of the LEPIDOPTERISTS' SOCIETY

No. 4 July/Aug 1980

Dave Winter, Editor  
257 Common Street  
Dedham, MA 02026  
USA

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## ASSOCIATE EDITORS

ART: Les Sielski

RIPPLES: Jo Brewer

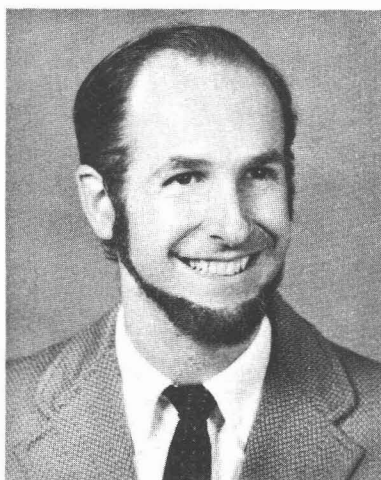
## ZONE COORDINATORS

- 1 Robert Langston  
2 Jon Shepard  
3 Ray Stanford  
4 Hugh Freeman

- 5 Mo Nielsen  
6 Dave Baggett  
7 Dave Winter

- 8 Kenelm Philip  
9 Eduardo Welling M.  
interim 10 Paul Opler  
11 Quimby Hess
- =====

## Karl Jordan Medal Award 1980 to KEITH S. BROWN, JR.



Keith S. Brown, Jr., born October 1, 1938, Chicago, Ill.; married, Kay Fowell, 1962; four children, two girls and two boys.

Education: California Institute of Technology, B. S., Chemistry, 1959; University of Wisconsin, Ph.D., Organic/Pharmaceutical/Biochemistry, 1962; Stanford University, Post-Doctoral, 1963; Cornell University, Sabbatical, 1979-1980.

Member and held office in numerous professional and honor societies: American Chemical

Society, Chemical Society (London), Society for Tropical Biology, Society of Systematic Zoology, Soc. Brasileira Ent., Sigma Xi, Fellow, Royal Entomological Society, London, and Lepidopterists' Society (Vice-President, 1972, 1980-81; edit com. *Journal*, 1972 - date).

Dr. Brown has had varied professional experience including biochemical research with Merck, Sharp & Dohme in 1959. He and his family moved to Brasil following postdoctoral work where he served as professor of graduate courses in natural products chemistry at the Universidade Federal do Rio de Janeiro, 1964-1973. Dr. Brown is currently a professor of animal ecology, biosystematics and chemical ecology at the Universidade Estadual de Campinas in Campinas, Sao Paulo, Brasil.

With well over 80 research papers and two books published, Dr. Brown's work in chemical ecology, ecological genetics, biogeography and conservation is well known. His contributions to the field as well as his tireless efforts to assist and collaborate with museum personnel and scientists throughout the world are highly regarded. Dr. Brown has been recognized by the Committee for his



outstanding contribution to the taxonomy, ecology, and zoogeography of the Heliconiinae and Ithomiinae. His continuing work on geographical patterns of evolution in neotropical lepidoptera is a milestone in the field.

The Karl Jordan Lecture was presented Friday a.m., 20 June, at the 31st Annual Meeting of the Lepidopterists' Society in Gainesville, Florida, as the opening paper in a Symposium on Neotropical Lepidoptera. Keith Brown's subject was "Historical & Ecological Factors in Biogeographical Patterns in Neotropical Lepidoptera", a discussion of endemism and speciation in heliconiines and ithomiines in Central & South America in relation to islands of humid forest which have persisted since the last glaciation.

The Karl Jordan Medal and Award were presented to Dr. Brown by outgoing president Ted Sargent at the Saturday evening banquet, after an introduction by Lee Miller.

Because of time restraints, Ted's Presidential Address "On the Futile Pursuit of Order" was deferred and presented in very abbreviated form the following morning, when the time available again did not allow him to do justice to his subject. Perhaps his title was more prophetic than intended.

Other high points of the meeting, which can be touched on only briefly now, were the BBC butterfly film shown Thursday night & Sunday afternoon, the group dinner Friday evening followed by Tom Emmel's outstanding butterfly slides with music accompaniment, creating a mood of great peace and beauty; Ron Hodges' workshop on working with micros; the Saturday evening banquet luau with everything from roast pig to door prizes (thanks to the many contributors of the latter, and to MC Covell); and Sunday afternoon's leisurely picnic at Lake Wauberg. Two excursions with Dave Baggett gave excellent opportunity for local collecting between showers.

The meeting organizers --- Dale Habeck for general planning and transportation, Tom Emmel for the program, and Howard & Camilla Weems for local festivities, to name a few --- gave the 122 registrants a meeting at least on a par with all the previous successes, and a hard act to follow.

#### SEPT/OCT ISSUE....

Because the Nov/Dec issue of the NEWS this year will be the membership list, it will of course contain no notices, ads, or other timely information. Publication of the Sept/Oct issue will be delayed somewhat, in order to reduce the gap between that and the Jan/Feb issue. This present issue is limited in scope (and, regrettably, several worthy entries had to be deferred) in order to make extra pages available for Sept/Oct.

Material for inclusion in that next issue, which will be devoted largely to more complete coverage of the Annual Meeting and the Ecuador trips, must reach the Editor by 22 August.

If any participant in an Ecuador trip has photos of outstanding interest for possible inclusion in that issue, please send them along. We will prepare b/w prints from any accepted, and will return all originals promptly. Ed.

#### RESEARCH NOTICES....

❖ WANTED: Information on the life history of Morpho menelaus (Guyana variety, if possible). Clark Thompson, 2577 United Lane, Elk Grove Village, IL 60007 USA.

❖ Re: Research Notice about Anisota in NEWS No.3/1980, please be advised that a comprehensive revision of the genus Anisota with color plates of the larvae and adults as well as drawings of important anatomical parts of the North American and Mexican species, including new descriptions and re-descriptions, is in press. J.C.E.Riotte, B.P.Bishop Museum & Royal Ontario Museum, and R.S.Peigler, Texas A & M University, Dept. of Entomology.

#### NEW BUTTERFLY LIST TO ECLOSE IN OCTOBER....

Memoir No. 2 of the Lepidopterists' Society, the "Catalogue-Checklist of the Butterflies of America North of Mexico", by Lee D. Miller and F. Martin Brown, is expected to be ready for distribution in October 1980. In addition to updated nomenclature and synonymy, the publication includes references to original descriptions, and locations of type specimens.

Cost (postpaid) to members and subscribing institutions is \$10 clothbound, \$5 paperbound; cost to non-members and non-subscribers is \$17 clothbound and \$8.50 paperbound. Dealer discount (from non-member price) is 20% for under five copies, 40% for five copies or more.

All orders must be accompanied by check or money order payable to The Lepidopterists' Society, and directed to:

Charles V. Covell, Jr., Memoirs Editor  
Department of Biology  
University of Louisville  
Louisville, KY 40208, USA

Individual orders will be accepted now, with shipment as soon as the Memoir is available from the printer; dealer orders will be accepted after 1 January 1981.

An order form will be found on page 51 of this issue.

#### A NOTE ABOUT THE COMMEMORATIVE VOLUME....

The title of the Commemorative Volume belies its contents. While it contains a history of the first twenty-five years of the Society and brief biographies of many of its outstanding members, its most valuable section is the 25-year cumulative index to the NEWS/JOURNAL: 14 pages indexed by author, 49 pages by title, and 185 pages indexed by species name. Over two-thirds of the volume consists of this unique reference source.

You don't know what you are missing until you have held this volume in your hands. To own yours, contact Charlie Covell: details on back cover of NEWS.

#### DEADLINE FOR ADDRESS AND INTEREST CHANGES....

The 1980 Membership List will appear as No. 6 of this year's NEWS, the Nov/Dec issue, rather than the Sept/Oct issue as in the past. This will allow the Secretary to compile the list during the autumn, rather than during the summer collecting season.

Address changes, in order to be assured of being included in the new list, must reach the TREASURER, Ron Leuschner (address on back cover) no later than 15 August.

Changes in subjects of interest, to be included in the new list, must reach the SECRETARY, Julian Donahue (address on back cover) by 15 August.



#### METAMORPHOSES

#### R. F. STERNITSKY....

R. F. Sternitsky, of Hereford, Arizona, died in May 1980. He had been a charter member of the Lepidopterists' Society and was a member again from 1962 through 1974. He described at least three subspecies: Parnassius clodius strohbeeni, Euphydryas editha bayensis, and Plebejus icaroides moroensis. At least six butterfly subspecies were named after him.

#### DONALD PATTERSON....

Donald Patterson, of Atherton, California, who had long been a member of the Society, died 3 March 1980.

## TREASURER'S REPORT FOR 1979.....

Ron Leuschner has been working mightily to convert the Society's balance sheets into a form which will pit the year's income from 1979 memberships and other sources against the actual costs for the 1979 publication year of the NEWS and the JOURNAL (which together account for about 94% of Society expenses), and other 1979 expenses. This makes it possible to discern whether we are functioning on current income, or eating into the Society's limited capital; whether we must increase current income in order to maintain publication standards; when we must increase membership dues to cover membership costs (dues were last raised, from \$10 to \$13 per year, in 1975: six years without an increase!).

The following figures, abstracted from the Treasurer's detailed report, give a summary of the Society's financial status. Anyone feeling the need for nickel-and-dime detail may contact the Treasurer.

### 1. Net Assets, end of 1979:

Checking Account	8036.35
Sav/Loan Accts.	28794.63
Petty Cash	50.92
Total	36881.90

### 2. Allocation of Funds:

Life Memberships	11480.
Committed to NEWS expense to come	33.57
" JOURNAL " " "	4915.21
1980 income received early	9185.32
Memberships paid ahead	544.15
Illustration Fund	1398.18
Publication Fund	7175.78
Subtotal	34732.21
Operating Balance of Society	2149.69
Total	36881.90

(Net assets were up 2796.20 over 1978, but operating balance was down 3750.40.)

### 3. Expenses for 1979:

NEWS	5771.21
JOURNAL	22550.08
Office Supplies	276.04
Printing	209.44
Postage	330.43
Mailing list maint.	394.47
Meetings	10.65
Back Issue Handling	327.71
Bad Checks, bank charges	215.69
Misc.	45.10
Total	30130.82

### 4. Income for 1979:

Member Dues	17750.21
Inst. Subscribers	2358.
Air mail charges	473.52
Back Issues	766.74
Page Charges	1540.
Other income	92.30
Interest income	2869.80
Total	25850.57

(Actual shortage, expenses minus income, was 4280.25)

Is a dues increase inevitable? Yes.

## ENTOMOLOGIST SEEKS POSITION.....

1977 Entomology graduate of the University of California, Davis, with paid experience as well as sixteen years personal collecting and curating experience, seeks employment as collector, collecting assistant, curator,

technician, or related work. Willing to relocate. Further information and references available on request. Alvin F. Ludtke, Cerro Maravilla N8, Lomas de Carolina, Puerto Rico 00630, USA.

## LINCOLN BROWER TO MOVE TO UNIVERSITY OF FLORIDA.....

Dr. Lincoln P. Brower, Stone Professor of Biology and Chairman of the Department of Biology at Amherst College, has accepted a new position as Professor of Zoology in the Department of Zoology at the University of Florida. For more than twenty years Dr. Brower has been a leading contributor to research on the evolution of mimicry in general and the ecological chemistry, behavior, and migration of the Monarch butterfly in particular. He will move his research program and laboratory to Gainesville this summer; a post-doctoral research fellow, Dr. William Calvert, and other associates, will move to U.F. also. The Department will be pleased to consider applications from prospective graduate students or post-doctoral fellows who wish to work with Dr. Brower as early as the next academic year. Inquiries should be directed to Dr. Thomas C. Emmel, Chairman, Department of Zoology, University of Florida, Gainesville, Florida 32611. The Department is receiving substantial and continuing special Quality Improvement Program funding from the State of Florida to hire especially distinguished faculty and to support increased numbers of outstanding graduate research assistants and post-doctoral fellows, particularly in the areas of evolutionary biology, behavior, genetics, ecology, and physiology. Lepidopterists now at U.F. include Drs. Brower and Emmel in the Department of Zoology, Dr. Dale Habeck in the Department of Entomology, and numerous other Zoology and Entomology faculty interested in advising on research dealing with Lepidoptera and all aspects of their biology.

## APOLOGY IN ORDER.....

When I published the details of construction of the collapsible bait trap in the May/June NEWS, I did so in order that anyone inspired by Mo Nielsen's article on backyard Catocala collecting could get into action without bothering Mo for plans. I completely overlooked (and was indeed unaware of) the fact that Bob Platt had designed this particular trap, and had published it in the JOURNAL, Vol. 23, 97-101, 1969. I was not trying to take any credit ..... just wanted to spread the word!

Ed.

## PACIFIC SLOPE MEETING, 1980.....

(The skeletal announcement in the May/June issue of the NEWS was all that had been received by press time. Bob Pyle has mailed detailed information to all Lep Soc members with 8- & 90000 Zip Codes. Hopefully the present issue will reach the readers before the P. S. Meeting is a post script.)

The 1980 Pacific Slope Meeting of the Lepidopterists' Society will be held 8-10 August at the University of Washington, Seattle. The opening session will deal with the ecology, habitat conservation picture, and the butterfly fauna of Washington State. Two symposia are planned, one dealing with host-plant ecology, recording, and study techniques, the other with quantitative methods in lepidopterology. There will be opportunities for nature walks and canoe trips in the campus arboretum and Union Bay Marsh, and to view the Washington State Butterfly Collection in the Burke Memorial Museum. A field trip will go into the Cascades (NOT Mt. St. Helens) on Monday 11 August. The Saturday night banquet will feature alder-smoked salmon at Ivar's Salmon House on Lake Union, and an address by Professor Bastiaan Meeuse, the well-known and entertaining U.W. pollination biologist and raconteur.

Travel and field excursions into eastern Washington are seriously affected by ashfall from the recent erup-

# 31<sup>st</sup> ANNUAL MEETING, GAINESVILLE, 1980



CAST OF CHARACTERS (more or less: there are names without faces, faces without names!)

BACK ROW: A.Wilkening, D.Habek, W.Wright, R.Leuschner, S.Ramos, R.Stanford, J.Donahue, B.Landing, F.Preston, G.Buckingham, Mailler, T.&J.Emmel, R.Cramer, W.Miller, D.Winter, P.Doooley, S.Hughes, R.Pyle, D.Schweitzer, M.&P.Plagens. P.Pfenninger, J.Cavanaugh, V.Demasi, J.McCaffrey, H.Quintera, S.Roman, H.Rumeau, L.Stange, N.Backus, K.Bagdonas, V.Swisher, Silberglid, A.Towers.

B.Cavanaugh, S.Nicolay, M.Miller, P.Milner, B.Drummond, K.Brown, M.Quinlin, C.Beutelspacher, B.Christie, T.Sargent, H.&C.We J.Preston, P.Russell, J.Weintraub, E.Plomley, A.Milner, W.Early, T.Sorri, L.Ferge, S.Borkin, R.Bernath, F.Chew, C.Zeiger, E FRONT ROW: S.Russell, R.Ryel, E.Metzler, J.Plomley, G.Stein, C.Oliver, A.Brower, T.Cashatt, R.& E.Hodges, B.& J.Prescott.

(A supplementary photo, including attendees who missed this gathering, may be available for a later issue.)

tions of Mt. St. Helens. However, Seattle and most of northwestern Washington were ash-free at the time this notice was composed. I-5 should be clear, and bus, Amtrak, and air connections to Seattle should be normal. Bob Pyle will be glad to furnish travel hints and up-to-date ash reports as a planning aid for pre- and post-meeting field trips.

Papers, presentations, and displays on all aspects of Lepidoptera studies will be welcomed. Time limits will be adhered to strictly. All registrants will receive a printed packet of abstracts. As is customary, an award will be given for the best student or novice paper, in honor of a pioneering West Coast lepidopterist.

All persons planning to attend, or having questions, should contact Bob Pyle, Swede Park, Loop Road Box 123, Gray's River, Washington 98621, phone (206) 465-2539.

## MIDWEST LEPIDOPTERISTS' SOCIETY.....

The Fall Meeting of the newly formed Midwest Lepidopterists' Society will be held on Sunday 19 October 1980 at 1:00 p.m. in the Field Museum of Natural History in Chicago. Any persons wishing to attend are welcome to do so. Among the items on the agenda will be discussion of the summer's field trips and collecting. For further information contact Mark Meyers, 6456 N. Seeley, Chicago, IL 60645, phone (312) 262-8465.

## NEW EDITOR FOR JOURNAL IN 1981.....

At the 1979 Executive Council Meeting in Fairbanks, Alaska, President Ian Common appointed a committee consisting of Ted Sargent, Jerry Powell, and Ron Hodges to search for a new Editor for the JOURNAL, to take over from Bob Platt after the end of 1980.

The committee has recommended, and the Executive Council at its 1980 Gainesville meeting approved, the appointment of Dr. Thomas Eichlin of the California Department of Agriculture, Sacramento, to fill this position for the coming three years.

## MORE 1979 SEASON SUMMARY.....

ZONE 8 addendum: ALASKA, Robert Langston, contributor.

Langston's report on his Alaskan collecting (which he had thoughtfully sent in quite early) was mislaid by the coordinator (mea culpa!). All records are from Interior Alaska.

Eagle Summit, 2 July: additional moths: (Noctuidae) *Archanarta quita constricta*; (Geometridae) *Scopula frigidaria* brown form; (Pyralidae) *Udea beringialis*; (Olethreutidae) *Aphania frigidana*. University of Alaska, 28 June-1 July: (Sphingidae) *Hemaris thysbe* f. *cimbiciformis* (common), *Hyles gallii*; (Arctiidae) *Nemeophila plantagin-*





W.Boogar, J.Mori, W.Calvert, W.Swisher, D.Bigelow, C.Ferris, G.Mori, Q.Hess, R.Robbins, K.Boyd, M.Israel, M.Richard, L.  
 , M.Greenfield, E.Knudson, M.Sitter, A.Platt, G.Edmund, J.Miller, C.Covell, J.Brewer, T.Dooley, R.Parks, I.Finkelstein, B.  
 Kendall, M.Taylor, P.&J.Brown, J.Christy.  
 tt, C.Kendall, C.Covell, M.Monica, T.Emmel.

is; (Geometridae) Scopula frigidaria, Spargania luctuata  
obducta, Itame fulvaria, Aspilates orciferarius occident-  
alis, Campaea perlata (very common); (Pyrilidae) Loxo-  
stege sticticalis, Crambus pascuellus; (Phalonidae) Pha-  
tonia smeathmanniana; (Adelidae) Nemotois bellula. Healy  
 & vic., 3 July: additional species (see 1975 Annual Sum-  
 mary): Erynnis persius, Papilio glaucus, Colias philo-  
dice, Lycaeides argyrognomon, Plebejus saepiolus, Vac-  
cinia optilete, Everes amyntula, Phyciodes campestris,  
Oeneis jutta; (Pyrilidae) Polioptilus annulatella arct-  
iella. Mile 224 Parks Highway E of McKinley Park, 3-4  
 July: (Geometridae) Eupithecia nimbicolor, Dysstroma  
truncata, Xanthorhoe munitata nemorella (common), X. al-  
gidata, X. fossaria; (Phalonidae) Phalonia smeathmann-  
iana.

K. Philip.

#### WHITHER ZONE 10 ? .....

Zone 10 of the Season Summary, South America, has been in limbo for a number of years, having been either omitted, or entered merely as lists as submitted by contributors, without significant editing or any possibility of verification of determinations (with the exception of Paul Opler's one-time effort this past year).

In discussion during and after the Gainesville meeting the enormity of the problem was pointed up: transient collectors from outside the area generally have difficul-

ty not only with determinations but also with assessing the significance of a record. Resident collectors may be able to make satisfactory determinations from local museums, etc., but may not have access to updated names. To publish unverified determinations in the Season Summary can give unjustified status to records and establish as "fact" errors which subsequently can be difficult to erase.

It does not appear that a potential coordinator exists who would be able and willing to take responsibility for verification of determinations, considering the geography involved and the sluggishness of Latin American postal services. I therefore propose the following approach to a summary for Zone 10, and possibly Zone 9 also:

Let each contributor submit an account of the localities and dates at which collecting was done, together with a rough statement as to the volume of material collected, species/specimens, by families. In this way the location of collected material of possible interest to a researcher/collector would be recorded, and specific evaluation could be subsequently arranged. In addition, the desirability (or lack of it) of a particular locality as a collecting site would be specified.

I should appreciate feed-back on this proposal in time for inclusion in the instructions for the 1980 Season Summary, to be printed in the Sept/Oct issue of the NEWS.

# BOOK NOTICE.....

Butterflies in Thailand, by Bro. Amnuay Pinratana (publisher not stated). Hard-bound.

Volume I covers most of the Papilionidae (58 species) and Danaidae (36 species) found in the country, utilizing 135 color illustrations and 91 pages of text.

Volume III covers 182 species of Nymphalidae, with 300 color illustrations (including ♂, ♀, and underside when instructive), and 109 pages of text. Seasonal and geographic distribution are dealt with.

These volumes are obtainable from the author, for a check payable to him (Vol. I: \$10.00 US; Vol. III: \$17.00 US), at St. Gabriel's College, Bangkok-3, Thailand (post-paid).

# NEW MEMBERS.....

ANDERSON, THOMAS C.: 5248 Pittsburg Rd., Laingsburg, MI 48848  
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YAEGER, BOB: 1711 Rall St., Clovis, CA 93612  
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# ADDRESS CHANGES.....

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 NASHIMOTO, HIROSHI: 2623-43 Osato, Kofu, Yamanashi. 400 JAPAN  
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 PRCHAL, STEVEN J.: Rt. 9, Box 900, ASDM, Tucson AZ 85704  
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 RUBBERT, ALLEN H.: 5401 Lennox Ave., Apt. 40E, Bakersfield. CA 93309  
 RUPP, A. W.: Priddis, Alta., CANADA TOL 1W0  
 SCHMITT, KENNETH A.: W224 N2634 Ridgewood Lane, Waukesha, WI 53186  
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 TILDEN, DAVID: Box 1363, Yellowknife, NWT, CANADA X1A 2P1  
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 WILLIAMS, ERNEST H.: 938 Rumsey Ave., Cody, WY 82414  
 WILSON, KIM S.: 2632 N. Richey, Tucson, AZ 85716  
 WOOD, GARY: P. O. Box 556, Cloudcroft, NM 88317  
 YOUNG, ROBERT, DDS: 3302 W. Illinois, Midland, TX 79703

# BUY, SELL, EXCHANGE.....

Items submitted for inclusion in this section are dealt with in the manner explained on page 8 of the 1980 NEWS (Jan/Feb issue). Please note that it was decided several years ago to exclude prices from the printed notices, except for the prices of lists. "SASE" calls for self-addressed stamped envelope. Notices will be entered once, unless entry in two successive issues is requested.

SALE OR EXCHANGE: Ova or cocoons of various common and unusual Saturniids, Sphinx, Papilios, and miscellaneous species. Please send SASE plus 50¢ for complete list to Michael R. O'Brien, 101 Buffalo Ave., Egg Harbor, NJ 08215.

WANTED: Contacts and lists from anyone who rears or collects any of the above-mentioned groups. I particularly need Eumorphia pandorus, E. achemon, Antherea mylitta, Loepa katinka, C. regalis, E. imperialis, and C. sepulchralis. I will supply mating and ovipositing

instructions in exchange upon request. All correspondence answered. Mike O'Brien, address above.

WANTED: "Butterflies of Virginia" by A.H. Clark & L.F. Clark. State condition and price. Frank Bodnar, Box 52, Spring Church, PA 15686.

WANTED: specimens of Lycaena hermes, dorcas dospassosi, dorcas claytoni, phlaeas fieldeni, phlaeas arethusa, cupreus henryae, arota schellbachi. Will buy or exchange. All letters answered. Frank Bodnar, address above.

WANTED: Catocala from any country where they occur. Will send local material of other groups (we have no local Catocala) in exchange. Eduardo C. Welling m., Apartado Postal 701, Merida, Yucatan, Mexico.

FOR SALE: Glassine envelopes in three convenient sizes, take stamp pad and fountain pen ink well. Samples on request. Eduardo C. Welling M., address above.

EXCHANGE: lepidoptera from Texas and Florida for specimens from other parts of the world. Papered, data, A1 unless otherwise stated. SASE for list. John Kemner, 9018 Liptonshire, Dallas, TX 75238, USA.

WANTED: "A Revision of American Papilios" by R. & Jordan. Also, correspondence with anyone from field trip to Ecuador with extra Papilio specimens to trade or sell. Rick Rozycki, 5830 S. McVicker Ave., Chicago, IL 60638, USA.

WANTED: Live material only. Morpho (any kind), Attacus atlas, Thysania agrippina, Argema mittrei, Cocinoscera hercules, or any of the extra large moths; Actias sinensis, Urania, or any of the extra large exotics, and of the Aristolochiae-feeding Papilionidae. Donald Hepperle, 969 Pine Avenue, Castle Shannon, Pittsburg, PA 15234.

FOR SALE: specimens of P. glaucus, P. multicaudata, H. cecropia and other showy U. S. Leps in papers with data. WANTED: Correspondence with collectors/breeders in Florida, Hawaii, Alaska, New England, Great Britain, and Australia interested in exchanging, buying, or selling lepidoptera and other insects. Nathan Chasteen, Rt. 1, Box 40, 2929 Henry Rd., Prophetstown, IL 61277 USA.

FOR SALE & EXCHANGE: finest selection butterflies, Arctic, Alpine, Canadian and Alaskan species, including Parnassius, Papilio, Colias, Oeneis, Erebia, & Boloria, some rarities never I believe offered before. John Johnstone, Dickson Hill Road, RR2, Markham, Ontario, CANADA. Phone 416-640-1772.

WANTED: generous series of all species of Speyeria from as many different localities of USA as possible, including cybele, aphrodite, and other common species. Also P. marcellus all forms. Living and papered material

desired of the Saturniids (USA) rubra, columbia, angulifera, orizaba, calleta, gloveri, securifera, euryalis, and lorilla. Worldwide leps and literature available for exchange. David W. Bouton, 435 Main St., Johnson City, New York 13790.

WANTED: the following books; if available, let me know price and other costs: Moore & Swinhoe, "Lepidoptera Indica" (Rhop.) 10 Vols.; "Genera Insectorum", all parts on Rhopalocera; Seitz "Macrolepidoptera of the World", vol. 5, American butterflies, 2 vols., English edition; Edwards "Butterflies of North America", 3 vols.; McDunnough "Checklist of Lep. of Canada & USA"; Scudder "Butterflies of Eastern US & Canada", 3 vols. Kikumaro Okano, 1016, Tokura, Mishima City, Shizuoka Prefecture, JAPAN.

FOR SALE: Butterflies of southern California; free list on request; all letters answered. Robert Wuttken, 2710 1/2 Highland Ave., Santa Monica, CA 90405.

WANTED: Alcidis aurora & zodiaca, also any worldwide Lycaenidae; will buy or exchange. Bruce E. Ellis, 3817 Schiller Ave., Cleveland, OH 44109.

EXCHANGE: Erora laeta for Mitoura johnsoni or Chlorostyrm monaesites. Mitoura hesseli for butterflies of similar rarity. Bill Wright, 18 Clinton Pl., Woodcliff Lake, NJ 07675.

WANTED: pupae or live ova of Sphingidae of N.Am., especially day-fliers; will buy, or I have for exchange papered material or live ova from NW Indiana, and will have live pupae of several species large & small moths this fall. J. D. Richerson, RR1 Box 146, Chesterton, IN 46304.

WANTED: and papered Saturniids from N. Am., also Argema & Rothschildia; send offers or price list to Chris Campbell, 2150 Perran Dr., Mississauga, Ont, Canada L5K 1M1

FOR SALE: A1 & A2 papered lepidoptera & coleoptera, spiders (tarantula) from Satipo & Tingo Maria, Peru, S.A. Hildebrando Rojas Villegas, Apartado 46, Satipo, Peru.

WANTED: Agrias other than the most common varieties. Will purchase or exchange any other genus. All correspondence answered. Robert E. Aronheim, P.O.Box 239, Middlebury, CT 06762, USA.

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MRS. CHANG PI-TZU, P.O.Box 873, Taipei, Taiwan. Papered lepidoptera and beetles; cocoons & ova of Formosan moths.

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Membership in the Lepidopterists' Society is open to all persons interested in any aspect of Lepidopterology. Prospective members should send the TREASURER the full dues for the current year (\$13.00 U.S.), together with mailing address and areas of interest in Lepidoptera. Student and retired memberships also available. Remittances should be in U.S. dollars, payable to the Lepidopterists' Society. All members (except retired) will receive the JOURNAL (published quarterly) and the NEWS (published bimonthly). A biennial membership list will comprise one issue of the NEWS in even-numbered years. Back issues may be purchased from the Memoirs Editor, Dr. Charles Covell, Jr., (address above).

Information on membership may be obtained from the TREASURER, Ron Leuschner, 1900 John Street, Manhattan Beach, California 90266, USA. Changes of address must be sent to the TREASURER, and only when the changes are permanent or very long-term.

Other information about the Society may be obtained from the SECRETARY, Julian P. Donahue, Natural History Museum of Los Angeles County, 900 Exposition Boulevard, Los Angeles, California 90007, USA. Please notify him of any additions or changes of interests to be published in the Membership List.

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