



NEWS

of the LEPIDOPTERISTS' SOCIETY

No. 5 Sept/Oct 1983

June Preston, Editor
832 Sunset Drive
Lawrence, KS 66044
USA

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.
 - 10 Boyce Drummond
 - 11 Quimby Hess
-

COLUMBUS 1983

The Ohio Lepidopterists planned well for the 34th annual meeting in Columbus, Ohio and even managed to get the weather to cooperate--no small feat in this year of unusual weather patterns as far as lepidopterists have been concerned! Activities began Thursday afternoon, July 7th with registration at the Fawcett Center for Tomorrow on the Ohio State University Campus. The rest of the afternoon was filled with looking at worldwide butterfly stamps at the Philatelic exhibit and Open House, both at the Department of Entomology at O.S.U. where the Lepidoptera collection was available for viewing under the helpful guidance of Charles A. Triplehorn, Curator, and at the Ohio Historical Center where William T. Schultz, Curator of Natural History, made available for viewing a large selection of Ohio lepidoptera. There was also an Executive Council meeting. Thursday evening everyone enjoyed the relaxed, informal atmosphere of "The Crepuscular Hour" at the home of Eric and Pat Metzler.

Friday morning we found coffee, tea or hot chocolate and donuts awaiting our arrival at the Fawcett Center where all of the technical sessions were held. We were welcomed by Eric Metzler, Chairman of the Planning Committee and by Dean of the College of Biological Sciences, Patrick R. Dugan. Reed Watkins gave us a brief history of the 4 year old Ohio Lepidopterists organization and Charles King presented a paper detailing the diverse geology of Ohio. Then John Shuey informed us of the six different basic types of wetland botanical communities found in the state, each providing a different type of habitat for wetland loving Lepidoptera. This set the stage for the many and varied papers which provided a full program through the rest of Friday, all day Saturday and most of Sunday morning. The topics included Cliff Ferris' study of butterflies of the Pine Ridge, Nebraska area, Lee Miller's analysis of the Pronophilini satyrs in Mexico, the plans for Karolis Bagdonas and his Flying Circus' approach to the Spruce Budworm problem in the western U.S. and the study by the Canadian Forestry Service on the migration of the Spruce budworm in eastern Canada. Ray Rings spoke of the unusual behavior of some Noctuid larvae, with a film of the swimming behavior of the yellow water lily borer and Irv Finkelstein reviewed the role of butterflies in the history of art. Debra Schlenoff described her work using plastic Catocala models to elicit a startle response in Bluejays and Ernest Williams delineated the movement and dispersal patterns in a colony of Euphydryas gillettii. Many other fine papers rounded out the list of 39 presented.

A highlight of the Friday morning session was Charlie Covells' Presidential Address, "Reflections on the Progress of the Lepidopterists' Society and North American Lepidopterology", in which he recalled many of the landmark activities of the society during the past 15 years. His accompanying slides featured many of the people and

places of significance during that period. He concluded with pertinent comments on the directions the Society might take in the future. The group photograph which appears on page 63 was taken following the Presidential address.

While members of the Society were engrossed in technical sessions there were also planned activities for the "non-buggy" portions of their families. Special thanks go to Pat Metzler and Anita King for setting up the spouses' program. There was a pool and pizza party Saturday afternoon, plus trips to the French Market and the German Village. The Philatelic Exhibit was open and interesting to all who cared to visit it.

The Riverview Restaurant at the Columbus Zoo provided the setting for a tasty picnic supper Friday evening featuring Beer, Bratwurst, sauerkraut, and German potato salad. Following the meal we enjoyed a slide program by Mo Nielsen, who described his recent collecting trip to Isle Royale Nat'l Park in Lake Superior. Following his talk a number of other interesting slides were shown by other members.

The annual Banquet on Saturday night was preceded by a Happy Hour at the Fawcett Center and following our repast a special award of thanks was presented to Eric Metzler by the Ohio Lepidopterists for his hard work as Chairman of this event in making this one of the best meetings ever. Charlie King was also awarded a life membership in the Ohio Lepidopterists for his outstanding service to the organization. We then repaired to the Assembly Hall where Charlie Covell awarded the Karl Jordan Medal in absentia to Elwood C. Zimmerman of the Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia. The showing of the 100 most meritorious slides from the National Lepidoptera Photographic Salon competition was enjoyed by all. The evening was topped off with the annual drawing for door prizes. Marisa Davis, 3, daughter of Don Davis, assisted Jo Brewer and Charlie Covell in this all important function.

The Sunday morning annual business meeting was short and to the point. Ted Pike announced that the 1984 meeting would be held in Fairview, Alberta, Canada and the resolutions committee of Jo Brewer, Irv Finkelstein and Mo Nielsen offered our thanks to Eric Metzler and his planning committee for a very successful meeting. Charlie Covell handed over the presidential gavel to Lee Miller along with the Lincoln Brower Deely-Bopper Antennae and the meeting was soon adjourned.

The final roster showed 119 registrants; the actual attendance was much larger because of the many spouses and children accompanying them. There were attendees from 23 states and three Canadian provinces. S. N. A. Jacobs came from Kent, England and Uri Caspi visited Columbus from Israel.

Following the official adjournment about a dozen and a half interested persons made the trip to Wittenberg University in Springfield, Ohio for Sunday lunch and the opportunity to view the beautifully illustrated rare old books on lepidoptera from the Cyril F. dos Passos Collection of Books and Journals now in the Thomas Library at Wittenberg University. Many others left for one of the four planned field trips to different areas of Ohio, each featuring different types of butterfly and moth collecting.



SEASON SUMMARY 1983 COMING UP

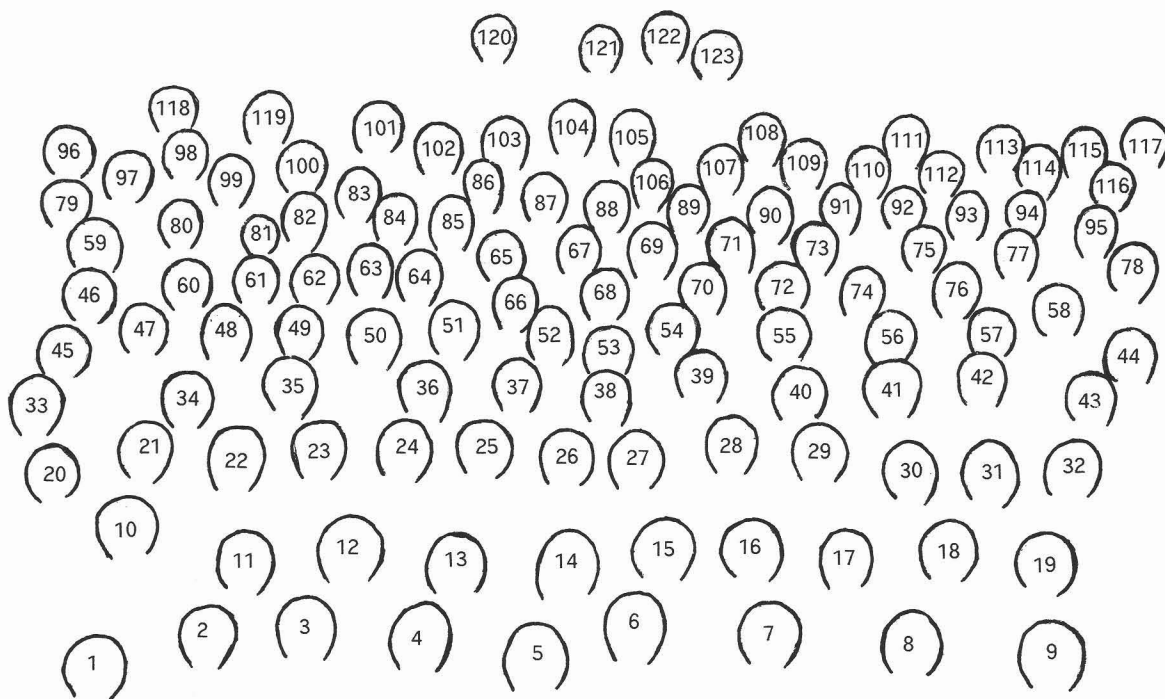
Don't forget that season summary reports need to reach the Zone Coordinators before Jan 15, 1984. The addresses of the coordinators are as follows:

1. SOUTHWEST (AZ, NV, CA): Robert L. Langston, 31 Windsor Ave, Kensington, CA 94708.
2. PACIFIC NORTHWEST (OR, WA, ID, B.C.): Jon Sheppard, Sproule Creek Rd., R.R.#2, Nelson, B.C. V1L 5P5, CANADA.
3. ROCKY MOUNTAIN REGION (Alta, MT, WY, UT, CO, NM): Ray Stanford 720 Fairfax St., Denver, CO 80220.
4. GREAT PLAINS (Sask., Man., ND, SD, NB, KS, OK, TX): Hugh A. Freeman, 1605 Lewis Dr., Garland, TX 75041.
5. EASTERN MIDWEST (MN, WI, MI, IA, IL, IN, OH, MO, KY, WV): Mogens C. Nielsen, 3415 Overlea Dr., Lansing, MI 48917.
6. SOUTHEAST (AR, LA, TN, MS, AL, FL, GA, SC, NC, VA, Bermuda): Dave Baggett, 14406 North 22nd St., #169, Lutz, FL 33549.
7. NORTHEAST (So. Quebec, Maritimes, New England, NJ, NY, PA, DE, MD, DC): Dave Winter, 257 Common St., Dedham, MA 02026.
8. FAR NORTH (Siberia, AK, N. Canada, Greenland, Newfoundland): Kenelm W. Philip, Inst. Arct. Biol., Univ. of Alaska, Fairbanks, AK 99701.
9. NORTHERN NEOTROPICS (Mexico, Cent. Am., Antilles): Eduardo C. Willing M., Apartado Postal 701, Merida, Yucatan, Mexico.
10. SOUTH AMERICA: Boyce C. Drummond III, Dept. Biol. Sci., Illinois State Univ., Normal, IL 61761.
11. ONTARIO: Quimby F. Hess, 11 Esgore Dr., Toronto, Ont. M5M 3P9, CANADA.
12. PACIFIC ISLANDS (HI): Robert L. Langston, 31 Windsor Ave, Kensington, CA 94708.

Reports should include the county name with the place name, and should list only unusual captures for an area, new records, range extensions, larval food plants, life history observations, predation, migrations, etc. Keep them short and if using abbreviations, include an abbreviation key.

GROUP PHOTO IDENTIFICATIONS

1. Jeff Prescott, 2. Brian Prescott, 3. Edward Prescott, 4. Heidi Prescott, 5. Tiffany Prescott, 6. John Prescott, 7. Dana Gring, 8. John Peacock, 9. Ted Pike, 10. Steven J. Mueller, 11. Pam Prescott, 12. Linda Prescott, 13. Barbara Prescott, 14. Jim Bess, 15. George Godfrey, 16. Douglas Ferguson, 17. Robert Poole, 18. Eric Metzler, 19. Charlie Covell, 20. Irving Finkelstein, 21. Dale Jenkins, 22. Joanne Jenkins, 23. Roy Rings, 24. Robert Eisele, 25. Fred Stehr, 26. Bob Langston, 27. Jerry Powell, 28. Paul Opler, 29. Ralph Ramey, 30. M. Alma Solis, 31. Don LaFontaine, 32. Mo Nielsen, 33. Adam Porter, 34. John Wilkie, 35. Leland Martin, 36. Leroy C. Koehn, 37. Jacqueline Miller, 38. Lee D. Miller, 39. Roger Zebold, 40. Karen New, 41. Jay Koehler, 42. John Holzbach, 43. Tim Cashatt, 44. Dottie Landing, 45. Deane Bowers, 46. June Preston, 47. Ron Rutowski, 48. Ernest Williams, 49. Barb Bloetscher, 50. Tom Eckersley, 51. Chuck Bergson, 52. Robert Huston, 53. Aleks Huston, 54. Cliff Ferris, 55. Bill Miller, 56. Skip Nault, 57. Dave Horn, 58. Ben Landing, 59. Ted Sargent, 60. Frank Fisk, 61. Martha Oliver, 62. Charles Oliver, 63. Elizabeth Oliver, 64. Reed Watkins, 65. Paul Brand, 66. S. N. A. Jacobs, 67. Mike Toliver, 68. Marie Plonczynski, 69. Steve Cary, 70. Richard Anderson, 71. Susan Borkin, 72. Bob Robbins, 73. Tim Friedlander, 74. Carl Strang, 75. Karolis Bagdonas, 76. Joe Riddlebarger, 77. Don Harvey, 78. Boyce Drummond, 79. Julian P. Donahue, 80. Alan J. Hanks, 81. Marisa Davis, 82. Don R. Davis, 83. John V. Calhoun, 84. Mignon M. Davis, 85. Sonja Teraguchi, 86. David C. Iftner, 87. Uri Caspi, 88. Allen Young, 89. J. F. Gates Clarke, 90. Paul Pfenninger, 91. J. W. Tilden, 92. Jean Leuschner, 93. Ron Leuschner, 94. Jo Brewer, 95. Dave Winter, 96. Kent Scott, 97. Dennis Currutt, 98. Wade Hazel, 99. John Shuey, 100. Charles C. King, 101. John Lane, 102. Dave West, 103. Nancy Stamp, 104. Phil Kean, 105. Austin Platt, 106. Frank Bolin, 107. Vincent P. Lucas, 108. Viola Bergson, 109. Alan Gardner Goodridge, 110. Charles McCarty, 111. John Parnell, 112. Marie McCarty, 113. Tom Turner, 114. Paul Milner, 115. Ann Milner, 116. Hazel Tilden, 117. John M. Condit, 118. Lincoln Brower, 119. Floyd Preston, 120. Nancy Ottman, 121. Carol Ferge, 122. Les Ferge, 123. Florence Ferge.



CANDID CAMERA COLUMBUS 1983

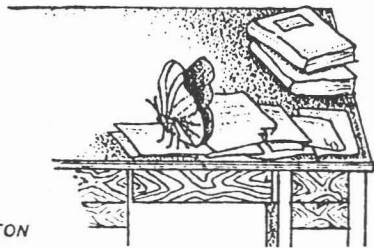


1. Adam Porter, Julian Donahue and Crepuscular Hour decorations. 2. Hazel Tilden, Jean Leuschner and Kathy Sargent corner Charlie Covell. 3. Fred Stehr, Bob Robbins, Deane Bowers. 4. Eric Metzler making announcements. 5. Irv Finkelstein, Mrs. Quinter, Bob Poole and Eric Quinter. 6. No. 42 insect pin in use. 7. Mo Nielsen peruses the Philatelic display board. 8. Ted Sargent and Robert Eisele. 9. Mo Nielsen, Eric Quinter and Steve Mueller. 10. Beer and Bratwurst picnic: Dale Jenkins, Charlie Covell, Bob Robbins, Jerry Powell, Don LaFontaine, Paul Opler. 11. Doug Ferguson and Leroy Koehn. 12. Nancy Stranahan. 13. Charlie Covell in the throes of his Presidential address. 14. Ron Leuschner (far left) bends over the stamp desk. 15. Floyd Preston, Ernest Williams and June Preston in animated conversation. 16. S. N. A. Jacobs and J. Gates Clark. 17. Charles King with his Honorary Life Membership Certificate for Ohio Lepidopterists presented by Reed Watkins. 18. More Philatelic displays. 19. Bill Tilden, Cliff Ferris and Steve Mueller. 20. Skip Nault at the lectern. 21. Ben Landing, Jo Brewer and Dotty Landing. 22. Don LaFontaine, Lincoln Brower and Jerry Powell examine some specimens. 23. The door prize team at work: Marisa Davis hands over the prize as Jo Brewer and Charlie Covell watch. 24. Charles and Martha Oliver. 25. Karolis Bagdonis with bandaged fingers chats with George Godfrey. 26. Dave West found it a laughing matter. 27. Bob Langston and Floyd Preston in earnest conversation. 28. Lee Miller accepts the Presidential gavel from Charlie Covell.

Photos courtesy of Dave Winter

From The Editor's Desk

JUNE PRESTON



The letters continue to arrive which I believe belong in this column. Since space does not allow me to print them all at once, please bear with me as they will all eventually make it into print.

Dear June,

It appears that three apologies are in order....

- (1) To you, for hogging much of the NEWS these past few issues with letters from me, to me and about me
- (2) To William Howe for trying to compare apples to oranges

In praising Pyle's Field Guide I meant merely to point out its value in field identification of diverse butterfly species which both students and collectors could use in the field. I have found no other such guide available that will adequately cover the western part of North America. Despite the superb illustrations I find second to none in Butterflies of North America, the latter is just too cumbersome for me to carry on field trips with students. I can only infer now that the two books are essentially designed to cover the topic of butterflies in differing detail.

- (3) To the membership since I did not recognize the errors in Pyle's book before offering my comments. I admit to knowing for certain, just one thing: Someday I will die, perhaps even with a net close at hand. I just hope that when this day arrives, it will not be caused by psocids.

Glenn A. Gorelick
Azusa, California

Dear June:

I have followed with some interest, and no little concern, the allegations and rebuttals regarding the Miller & Brown Catalogue/Checklist (Memoir #2 of the Lepid. Soc.). Until now, I have reserved comment with respect to this dialogue, but I feel that the matter has been entirely blown out of proportion, not only in the pages of the NEWS, but in some of the journals as well.

Although some concern has been expressed by amateur collectors (and is understandable since many will have to relabel their collections), the principal criticism of Miller & Brown has come from a small but very vocal group located at one university. In my opinion, this appears to be a contrived attack upon Memoir #2, and

the comments expressed represent an extremely parochial viewpoint.

Many of the North American genera are found in both the New and Old Worlds, and it is only sensible that the same nomenclature be used on both sides of the Atlantic. Miller & Brown is an attempt to make this unification. Their detractors have ignored the careful studies conducted by researchers in England, on the Continent, and in Japan as regards circumpolar species. This is work done by careful and competent scientists, and it is egocentric (as well as poor science) to dispense with it in a summary manner.

Another criticism is that Miller & Brown made sweeping changes in nomenclature without justifying their actions. No new taxa are introduced in Memoir #2, and through the extensive footnotes provided, one can easily locate the source material for the nomenclature proposed. A catalogue or checklist is not a vehicle in which taxonomic justifications should be made (a point that seems to have eluded Dr. White [NEWS, #4, 1983]). A catalogue/checklist summarizes the results of prior taxonomic revisions, and this is exactly what Miller & Brown have done, for those caring to examine the work in an unbiased manner.

Dr. White has also implied that Miller & Brown received no critical peer review prior to publication. I can assert that this is not the case, since I (as were others) was asked by Dr. Covell to review a section of the material. The review process was not the same as for a simple journal article because of the nature of the work involved. While the review was perhaps incomplete in some instances, to imply that the material received no peer review is specious.

While Memoir #2 may have some faults, it certainly represents a structure upon which to build, and is the first real catalogue of North American fauna since Dyar's produced at the turn of the century.

In this regard, at the 1982 Annual Meeting of the Society, I was asked by the Executive Council to chair a Committee on Nomenclature. Information concerning this committee appeared in a prior issue of the NEWS along with a call for volunteers to serve on the Committee. Might I suggest that some of the detractors of Memoir #2 channel their energy in a constructive direction by offering their services.

It is doubtful that taxonomists and evolutionary biologists will ever agree upon THE proper arrangement for our Lepidoptera and associated nomenclature. Memoir #2 represents an attempt to bring together a considerable body of knowledge into a single publication. I suggest that its detractors cease their diatribes, and instead channel their zeal into constructive efforts toward improving and updating Memoir #2.

Taxonomy is a fluid science and nomenclature is not engraved in stone, although one might glean a different impression from the comments of the critics of Memoir #2.

Sincerely yours,

Dr. Clifford D. Ferris
P.O. Box 3351 University Station
Laramie, WY 82071

Dear June:

This is in reply to Noel McFarland's letter in the May/June 83 NEWS regarding PDB and naphthalene toxicity. I, too, was surprised at the good report given PDB, but for a different reason.

About 18 months ago I had occasion to learn a lot about PDB fast. Our dog suddenly developed idiopathic pure red-cell aplasia (aplastic anemia), a condition in which the bone marrow ceases to manufacture red blood cells. "Idiopathic" means "cause unknown." Since toxic agents are often involved, we did a quick run through the toxicological literature looking for known or suspected bone-marrow toxins to which he might have been exposed. The list is very impressive--several hundred synthetic organic chemicals--but the only one to which the dog definitely was exposed was PDB. There is no way to establish causation, of course, but in reading the human literature of aplastic anemia I developed a greater respect for PDB, which I had hitherto thought of as a cumulative liver toxin (as McFarland says). There are not many cases on record of human aplastic or hypoplastic anemia due to PDB, but just enough to cause concern. The response to exposure is highly individualistic, and a few people may be much more sensitive than the population as a whole. There is, however, one case of a couple who neurotically saturated their house with PDB out of a morbid fear of insects--their visitors generally departed the house as quickly as possible!--both of whom developed fatal cases of aplastic anemia after several months of continuous exposure to heavy fumes. This suggests that there is some level of exposure which will put anyone at high risk.

Unfortunately I did not keep my notes on the matter, but if anyone is sufficiently interested they can contact me and I will try to relocate some references. The point is that PDB has multiple toxic risks: acute, from ingestion (mainly a toddler and pet problem, and surprisingly unthreatening); chronic, from long-term liver and kidney damage; and acute or chronic from bone-marrow toxicity. I have to confess I continue to use the stuff in my office-lab, but under strict control, and I will not have it in the house. I have heard of at least one marriage that broke up over (in part) the wife's refusal to live with PDB fumes. I think she was right. For the record, the dog recovered, thanks to radical treatment instituted by a friend and colleague at the UCD Veterinary School who happens to be one of the top people in the country on canine hematology and bone-marrow pathology. Some people have not been so lucky. I would be interested in hearing whether any of the museum PDB-related deaths have been due to aplastic anemia.

Cheers(!).

Arthur M. Shapiro
Davis, California



COMMITTEE ON NOMENCLATURE

The Jan/Feb. 1983 issue of the NEWS carried a notice on page 7 regarding the Committee on Nomenclature established by the Executive Council of the Society at the Annual Meeting in Laramie (July, 1982). To date, only one direct response has been received (information below). We urge researchers and readers of foreign language journals to submit information.

Listed below are several taxonomic changes not reflected in Memoir No. 2 of the Society, and also not noted in several North American regional publications.

1. Lycaeides argyrognomon. By I.C.Z.N. Opinion 269, 1954, the taxon argyrognomon Bergsträsser is now a junior synonym of idas L.
2. Boloria napaea. The taxon napaea has been restricted to the Old World. The next available name for New World material is alaskensis Holland, 1900, in the combination Boloria alaskensis with

subspecies as noted in Memoir No. 2 of the Society. Reference: Crosson du Cormier, A. 1977. Alexanor 10:31-43.

3. Artogeia napi. A recent revision has stated that napi is an Old World genus. Several names and new combinations have been proposed for North American butterflies in this group. The preliminary publication is: Eitschberger, U. 1981. Atalanta 11:366-371. The final publication: Systematische Untersuchungen am Pieris napi-bryoniae-Komplex by Eitschberger is projected as 1200 pages and scheduled to begin publication in April, 1983. Contact: U. Eitschberger/Deutsche Forschungszentrale für Schmetterlingswanderungen/D-8671 Marktleuthen/Humboldtstrasse 13, Germany.
4. Erebia youngi complex. For some time, K. W. Philip and J. Troubridge have been working on a revision of this complex and their paper is scheduled for publication in July, 1983. In the meantime, a new taxon Erebia occulta in this complex has been published by Peter Roos and H. P. Kimmich, 1982. Ent. Zeitschr. 93(6):69-77. The type locality is km 150 Dempster Highway, Yukon Terr., Canada. The new taxon represents a rockslide species.

A letter from John R. G. Turner, The University of Leeds, indicates that a group of Lepidopterists have petitioned the I.C.Z.N. to set in motion a neotype designation for Heliconius erato (which occurs in North America as H. erato petiverana) in order to conserve the name erato for this species.

Please submit information to:

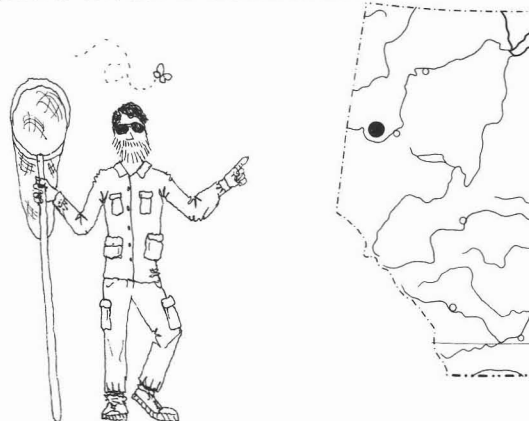
Dr. Clifford D. Ferris
P.O. Box 3351 University Station
Laramie, WY 82071, U.S.A.



Forthcoming Meetings

THE 35th ANNUAL MEETING OF THE LEPIDOPTERISTS' SOCIETY

The annual meeting in 1984 is scheduled to take place in Fairview, in the heart of the Peace River country of Alberta, Canada, July 5 to 8. Watch for details in the next issue of the NEWS. The meeting coordinator is Ted Pike, Box 1231, Fairview, Alberta, T0H-1L0, Canada. If you are not familiar with the town or the province, and you can't be blamed if you're not, its general location is indicated below.



BUTTERFLY HAVEN

The 40-odd acres of gardens at Buckingham Palace are an urban paradise for butterflies, the London Wildlife Trust has discovered. "Summer butterflies seen along the Palace border in July and August include the small tortoiseshell, large white, small white, green-veined white, small copper, wall, meadow brown and large skipper.... Peacock and red admiral butterflies also frequent the border, but they usually do not appear until August. Then the garden parties are finished and they have the place to themselves." Tony Samstag.

The above item appeared in the "London Times" of 28 June, 1983, and was furnished by Bryant Mather of Clinton, Mississippi.



JOURNAL UPDATE

The latest issues of the Journal of the Lepidopterists' Society: Vol. 37, No. 1 was mailed to members in late July, 1983. Vol. 37, No. 2 was mailed in early September.

THAILAND, ANYONE?

Mr. Adam Cotton wishes to provide the following services to collectors and lepidopterists who may wish to spend time collecting or studying in Thailand. Mr. Cotton is a young English lepidopterist fluent in the Thai language, living in Bangkok, who will offer his single spare room as FREE accommodation in that city (hotels are not very cheap) to members of the Lepidopterists' Society. He will also take people on collecting trips to localities up country on condition that the costs of his accommodations, food, travel expenses, etc. are paid for him on said collecting trips. In return he will act as guide to good collecting spots and assist in ensuring that expenses are kept to a minimum. Three months advance notice is requested for booking his spare room. One month's notice requested if his services as a guide only are desired. Mr. Cotton specializes in world Papilionidae and visitors are welcome to view his large collection and library. For further information, advice or booking, write to Adam M. Cotton, 38/1 Soi Saeng Chan, Sukhumvit 40, Bangkok 10110, Thailand.

SMITHSONIAN FOREIGN CURRENCY PROGRAM

The Smithsonian Foreign Currency Program, a national research grants program, offers opportunities for support of research in Burma, Guinea, India, and Pakistan in the following disciplines:

Anthropology, Archeology and related disciplines,
Systematic and Environmental Biology
Astrophysics and Earth Sciences,
and Museum Programs

Grants in the local currencies of the above listed countries are awarded to American institutions for the research of senior scientists. Collaborative programs involving host country institutions are welcome. Awards are determined on the basis of competitive scholarly review. The deadline for submission is November 1 annually. For further information write the Foreign Currency Program, Office of Fellowships and Grants, Smithsonian Institution, Washington, D.C. 20560, or call (202) 287-3321.

MORE SEASON SUMMARY CORRECTIONS

In the Zone 6 listing of Georgia moths, Anisota peigleri should be changed to Anisota senatoria on line 1 of page 30. The larvae were misidentified but hatching adults confirmed the new identification.

ORDERING INFORMATION

The book on the Butterflies of Crimea referred to on pg 49 of 1983 NEWS #3 can be ordered in the U.S. through Victor Kamkin, Inc., 149 Fifth Ave, New York, N.Y. 10010 or 12224 Parklawn Dr, Rockville, MD 20852, or from Imported Publications, 320 W. Ohio St, Chicago, ILL 60610, or Znanie Bookstore, 5237 Geary Blvd, San Francisco, CA 94118.

MORE ON ZONE 5 1982 SEASON SUMMARY

Inadvertently omitted from the Michigan summary, by the coordinator, was Oeneis macounii, 26 June-2 July (numerous), Isle Royale (GB, MN). The trip to this island National Park was primarily to investigate the occurrence and abundance of this Arctic butterfly, which flies here during the even-numbered years!!

SEA WORLD DISCOUNT

A 15% discount on admission to all three Sea Worlds (San Diego, Orlando, and Aurora, Ohio) is now available for all members of the Society. Association Executive Club Cards will be mailed with the November ballots/dues notices. If you would like your free card prior to then, please send a self-addressed, stamped envelope to the Society Secretary, Julian P. Donahue (address on back page).

ST. MARY'S, BRAMBER, WEST SUSSEX, ENGLAND

Within the tiny downland village of Bramber, West Sussex, stands St. Mary's, a fine country house built partly in the 12th century, considerably enlarged and redesigned three hundred years later during the reign of Henry VI and restored in 1896, when a new wing was added on the site of the original courtyard.

Since March 1980, historic St. Mary's has provided an excellent setting for the National Butterfly Museum, and a library almost exclusively devoted to Lepidoptera.

Sotheby's of Pulborough, West Sussex, have been instructed to sell at auction, during the last week of October (Wed, the 26th and the following day) the entire contents of St. Mary's. Available to buyers will be over one million specimens of Lepidoptera drawn together over thirty years from more than seventy important collections and spanning almost two centuries of work by famous British and overseas naturalists and explorers. The library, containing some 2,000 volumes dating from 1658 to the present day, offers many illustrated works of considerable note. A fine Victorian walnut specimen cabinet with its drawers full of rare and unusual butterflies, will be sold complete.

For more information contact Sotheby & Co., The Pulborough Salerooms, Pulborough, West Sussex RH20 1AJ, England. Telephone (07982) 3831, Telex: 877572 KAYCEE

34th ANNUAL MEETING REVISITED

If you were unable to attend the Lepidopterists' Society 34th Annual Meeting 7-10 July 1983, in Columbus, Ohio, you are still able to share in significant items directly associated with the Meeting.

PROGRAM AND ABSTRACTS

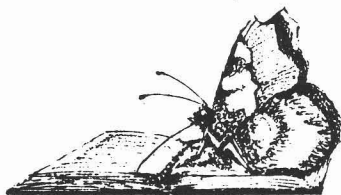
Persons who are interested in the content of papers will welcome this opportunity to purchase a copy of the Program and Abstracts of the Meeting. This is an 18 page spiral bound permanent record of the Meeting with a full, up-dated program and printed abstracts (250

words more or less) of each of the delivered papers including the special symposium. You won't want to miss it. The price for the abstracts is \$3.50 (postpaid). Order from: The Ohio Lepidopterists, c/o Eric H. Metzler, 1241 Kildale Sq. N., Columbus, Ohio 43229, USA.

COMMEMORATIVE CACHETED COVERS

The Columbus Philatelic Club designed and produced cacheted covers to commemorate The Lepidopterists' Society 34th Annual Meeting in Columbus, Ohio. Serviced cacheted covers, with postage stamps affixed and cancelled with the special, pictorial cancellation, are available at \$1.50 each, or a set of four covers (one cancelled each day of the Meeting) for \$3.25. Unserviced cacheted covers are available at \$1.50 for four, or \$2.50 for twelve. Prepaid mail orders will be accepted for both serviced and unserviced cacheted covers while the supply lasts. Make check payable to Columbus Philatelic Club and mail to: Dr. Russell V. Skavaril, Department of Genetics, The Ohio State University, 484 West 12th Avenue, Columbus, Ohio 43210, USA.

Books



◆ Ecological Studies of Six Endangered Butterflies (Lepidoptera, Lycaenidae): Island Biogeography, Patch Dynamics, and the Design of Habitat Preserves by Richard A. Arnold. 174 pages. This study presents the findings of autecological investigations performed during 1977-79 on five endangered butterflies (Lycaenidae): Callophrys mossii bayensis, Plebejus icarioides missionensis, Euphilotes enoptes smithi, E. battoides allyni, and Apodemia mormo langei. [Numbers of Lycaeides argyrognomon lotis (Lintner) were insufficient to permit comparable studies.] Capture-recapture studies were conducted to calculate population numbers, vagility, dispersion, home range, immigration, lifespan, and sex ratios. Preliminary conservation and management strategies are discussed in relation to the theories of island biogeography and patch dynamics. Available from University of California Press, 2223 Fulton, Berkeley, CA 94720. Price \$14.00 U.S. Export price \$16.25.

◆ John Abbot's Insects of GEORGIA, Fascicle one. With an 8 page introduction by P. S. Parkinson, this fascicle includes 6 reproductions from John Abbot's unpublished "Insects of Georgia". This is the first of a series which will reproduce all 103 of the watercolors produced in 1816-1717 on commission from William Swainson, the eminent English naturalist. Each painting shows the larval, pupal and imago stages of the insect, together with its foodplant. Fascicle I is unbound and sells for U.S. \$50., postpaid if prepaid. Other orders will be invoiced at U.S. \$50 plus postage. Standard trade and special discounts on application. Payment may be made by checks drawn on U.S. banks. Order from The Alexander Turnbull Library, P.O. Box 12349, Wellington, New Zealand. See NEWS #1, 1983 pg. 8 for prepublication details of this work. Purchase of fascicle I will guarantee a prepublication offer for fascicle II.

◆ Butterflies of South America by Bernard D'Abrera. 192 pages; 4x4 color throughout; size approx. 7½x4½ (same size as Collins' Field Guide series). An illustrated, full color handbook of all the families of butterflies of South and Central America. An invaluable and unique guide to the known butterfly species of the neotropics. No other work of this kind has existed before. Expected price 9.95 (U.K.), plus postage and packing. Send inquiries to the author/publisher at Hill House, Highview Rd., Ferny Creek, Vic. 3786, Australia.

◆ The Genus *Agrias* by Paul E. Barselou. This 96 page book, in English and French, is an illustrated key incorporating 15 tables, 5 maps and a distribution chart of the known ranges of *Agrias* species and a list of all known varieties of the genus. There are 15 color plates illustrating 119 forms. The plates, when used in conjunction with the keys enable the user to identify over 450 known forms of *Agrias*. This publication is available in the U.S. through BioQuip Products, P.O. Box 61, Santa Monica, CA 90406; on the continent through Sciences Nat., 2 Rue Andre Mellenne, Venette, 60200 Compiègne, France; in Britain through E. W. Classey, Ltd., P.O. Box 93, Faringdon, Oxon, SN7 7DR, England.

◆ Butterflies in Thailand, Volume II, Pieridae & Amathusiidae, (revised edition): U.S. \$14.00. Order to: Bro. Amnuay Pinratana, St. Gabriel's College, Bangkok 10300, Thailand.

◆ Beetles of the World by Gakken. 144 pages, hard bound. Beautiful pictorial book illustrates over 600 worldwide beetles in full color with fine representation of major and most popular families. English index gives names of species and countries of origin. Text Japanese. A must for everyone interested in Coleoptera. Send \$35.00 check or Money Order to IANNI Butterfly Enterprises, P.O. Box 81171, Cleveland, Ohio 44181. Price includes postage.



Research Notices

● I wish to have correspondence with any lepidopterists who have information about Battus philenor oviposition behavior, in particular, and am also interested in oviposition behavior of other butterflies. I would like to find systems in which the behavior of ovipositing females can be observed in the field. Daniel R. Papaj, Dept. of Zoology, Duke University, Durham, N.C. 27706.

● I am currently preparing the first volume of a publication which will deal with the macrolepidoptera of New Brunswick. The first volume will deal with the butterflies, skippers, sphinx and saturnid moths. I would very much appreciate hearing from anyone who may have specimens or data from New Brunswick collections, however few or from whatever time period. Christopher Majka, 5176 Bishop Street, Halifax, Nova Scotia, Canada B3J 1C9.

● I need ecological and biological data on Parnassius of different countries (especially Asia and USSR), including: a) biotop aspect, b) biology of different species, c) recent bibliography of the country. I also need diapositives showing biotops, food-plants, butterflies, caterpillars... Jean-Claude Weiss, Laboratoire d'Ecologie, 1, rue des Récollets, 57000 Metz, France.

● I have been working with the Costa Rican species of the family Brassolidae for about three years, studying the biology of the 20 species reported for this country. I would like to establish correspondence with any person interested in this family to compare information about life cycles, host plants and to exchange specimens and photographs. I'm particularly interested in obtaining some data on the genus Catoblepia, especially on life cycles and host plant speciation. Also I'm working with the families Morphidae and Satyridae. Please write in Spanish or English to: Rolando Cubero, C.4, Avs. 2-4, Barva - Heredia, Costa Rica, Central America.



New Members



BARNES, PETER R.: 631 S. Kensington, LaGrange, IL 60525.
 BEERY, ELI W.: 7008 Henderson Drive, Traverse City, MI 49684.
 CAMERON, EDWARD M. III: 2679 Evergreen, Yorktown, NY 10598.
 CHURCH, RYAN: 3205 Centralia, Lakewood, CA 90712.
 DINGMAN, CLAYTON, 109 Washington St., Apt. 4, Williamsburg, VA 23185.
 FAIRBROTHER, MARK: 62 A Meadow Road, Montague, MA 01351.
 FARLEY, JAMES L.: 100 S. Krocks Rd., Wescosville, PA 18106.
 FERGUSON, DAVID: 8407 Flower NE, Albuquerque, NM 87112.
 FISK, PROF. FRANK W.: 272 Colonial Ave., Worthington, OH 43085.
 GADDY, L. L.: Rt. 1, Box 223, Walhalla, SC 29691.
 GIER, GARY B.: 71 N. Fourth East, Soda Springs, ID 83276.
 GIOVANNI, DR. SALA: via Canottieri 10, 25087 Salo (BS), ITALY.
 GOLDSTEIN, DONALD JAY: 4494 S. Zang St., Morrison, CO 80465.
 HALL, JAMES R.: 4701 176th S.W. A-4, Lynnwood, WA 98036.
 HART, MR. LEN: 68 Stanhope Road, South Shields, Tyne & Wear, NE33 4BS, ENGLAND.
 JESPERSEN, CHARLOTTE: Holtegade 8, 2.TH, 2200 Copenhagen N., DENMARK.
 KNUDSON, GREG: 316 Alexander St., Bottineau, ND 58318.
 LABOSSIERE, MIKE: 36 Jean St., Acushnet, MA 02743.
 LANDRY, JEAN-FRANCOIS, Dept. of Entomology, Univ. of Alberta, Edmonton, AB T6G 2E3, CANADA.
 McHUGH, KEVIN: 1113 Kentucky #1, Lawrence, KS 66044.
 MIX, STEPHEN M.: 1109 Niblick Drive, Rocky Mount, NC 27801.
 MORRIS, JOHN W., 217 Parsons Road, Camillus, NY 13031.
 PALM, FIONA: 3346 Taylor Rd., Carmel, CA 93923.
 REINHARDT, RICHARD H.: 407 Corbin Road, York, PA 17403.
 ROSSITER, DR. MARY CAROL A.: Dept. of Zoology, Univ. of Texas, Austin, TX 78712.
 SCHIKORA, RICHARD D.: P.O. Box 933, Langley AFB, VA 23665.
 SNYDER, DR. JOHN A., Dept. of Biology, Furman University, Greenville, SC 29613.
 SUGGS, WILL C. III: Rt. #1, Box 233-C, Wadmalaw Island, SC 29487.
 TRUE, MISS JESSICA: 43223 Gainsley Drive, Sterling Heights, MI 48078.
 UNDERWOOD, STEPHEN: Australasian Butterfly Co., P.O. Box 330, Lane Cove, NSW 2066, AUSTRALIA.
 WEBER, WILLIAM C. JR.: 4061 Via Valmonte, Palos Verdes Estates, CA 90274.
 WU, BRIAN W.: 587 Yale Station, New Haven, CT 06520.
 ZOCCHI, KENT ALFREDO: 3720 Wentwood Drive, Dallas, TX 75225.

CARRIER, FRANCOIS: 8612 De Gaspe, Montreal, PQ H2P 2K4, CANADA.
 DAVENPORT, KEN: 6601 Eucalyptus Dr. #325, Bakersfield, CA 93306.
 DOUGLASS, JOHN F.: Faculty, St. John's High School, 5901 Airport Hwy., Toledo OH 43615.
 DOYLE, JOSEPH F. III: 9304 Dartbrook #2, c/o M. Ferrante, San Antonio, TX 78240.
 ETILING, NORMAN C. JR.: 2896 Chamberlain Road, Apt. 1, Fairlawn, OH 44313.
 FAUSKE, GERALD: 1308 N. 10th St., Apt. 5, Fargo, ND 58108.
 GARTHE, WILLIAM C.: 807½ Pennsylvania Ave., Mendota, IL 61342.
 GODWIN, H. WENDELL: P.O. Box 308, Painesville, OH 44077.
 HAWKINS, MARK: PSC #1, Box 1841, Nellis AFB, NV 89191.
 HEPPELE, DONALD: RR#2, Box 355, West Alexander, PA 15376.
 HUBER, CATHERINE LUNDEEN: 4637 West 69th Terrace, Prairie Village, KS 66208.
 HUBER, RONALD L.: 4637 W. 69th Terrace, Prairie Village, KS 66208.
 IWAMOTO, YOSHIYA: 2-6-401 Nirenokidai, Asahigaoka-cho, Chiba-shi, 281 JAPAN.
 MARRONE, GARY M.: Capitol Bell Apts. #27, 721 Wells, Pierre, SD 57501.
 McMURRIN, WESLEY: P.O. Box 313, RR 2, Meridian, MS 39305.
 McNAMARA, JOYCE C.: 1311 Riverview Circle Dr. W, Bradenton, FL 33529.
 MIRAMON, RICK: 2639 N. Johnson St., New Orleans, LA 70117.
 MURPHY, R. J.: c/o Engr. Dept. H.Q., Posts and Telecomm., P.O. Box 580, Blantyre, MALAWI.
 PAINTER, GEORGE: 1995 S. E. St. Lucie Blvd., Stuart, FL 33494.
 PEASE, DR. R. W.: Change Box No. from 286 to 80288.
 PEELER, WILLIAM H. III: 1341 Frankfort Ct., Merced, CA 95340.
 PFEILER, EDWARD J., JR.: I.T.E.S.M. Apartado Postal 484, Guaymas, Sonora, MEXICO 85400.
 PHILLIPSON, DONALD E.: 25147 Foothills Drive North, Golden, CO 80401.
 POWELL, GWENDOLYN S.: 1995 S. E. St. Lucie Blvd., Stuart, FL 33494.
 REINKE, D. L.: 11922 S. 33rd St., Omaha, NE 68123.
 SCHULTZ, JACK (JOHN) C.: Dept. of Entomology, Penn. State Univ., University Park, PA 16802.
 SPELMAN, MORRIS: Pines Hotel, So. Fallsburg, NY 12779.
 TUTHILL, SAMUEL J.: RR 1, Amana, IA 52203.
 VAN GERBIG, PETER: P.O. Box 446, Cross River, NY 10518.
 VERDUN, MICHAEL P.: Dept. of Biology, Idaho State Univ., Pocatello, ID 83209.
 WEHLING, WAYNE P.: N.W. 221 Timothy #1, Pullman, WA 99163.
 WEISS, JEAN-CLAUDE: 8, rue des Primeveres, 54121 Vandieres, FRANCE.
 WONG, H. F.: P.O. Box 155, Taiping, Perak, MALAYSIA.

Address Changes



BAILOWITZ, RICHARD: 446 N. Norton, Tucson, AZ 85719.
 BANCE, RICHARD: 1115 Hacienda Place #206, West Hollywood, CA 90069.
 BERRY, STEVEN R.: 1625 W. Olympic Blvd., c/o Pub. Gard., Los Angeles, CA 90015.

Buy Sell Exchange

Items submitted for inclusion in this section are dealt with in the manner set forth on page 10 of the Jan/Feb 1983 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. Items will be accepted from members only and will be printed only once unless

entry in two (maximum) successive issues is requested. 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.

FOR SALE - MAKE OFFERS. The following books, accumulated from 1957 to the present, all in excellent condition, are offered for sale. 1. Everyday Butterflies, A Group of Biographies, Samuel Hubbard Scudder, 1899, from the library of James E. Cottle. 2. The New Naturalist, A Survey of British Natural History, E. B. Ford, reprinted 1967. 3. Butterflies of California, John Adams Comstock, 1927. 4. The Butterfly Book, W. J. Holland, 1916. 5. Beautiful Butterflies, J. Moucha, illustrated by F. Prochazka, 1963, printed in Czechoslovakia. 6. Beautiful Moths, J. Moucha, 1967, printed in Czechoslovakia. 7. Butterflies and Moths, Alfred Werner and Josef Bijok, revised edition edited by Norman Riley, 1965, printed in Germany. Harvey Implom, 119 Plum Creek Rd, Longview, Texas 75605.

FOR SALE: British made, highest quality craftsmanship, all mahogany cabinets, each containing 20 glass top foam bottom drawers, 10 drawers side-by-side. Panel doors. Two matching sets (40 drawers each set). Immaculate. Perfect for foyer, office or your parlor. For example see Paul Smart's Encyclopedia of Butterflies of the World page 93 photo. Further information write H. L. V. King, 2215 LaSalle St., Sarasota, FL 33581. Owner retiring reluctantly.

WISH TO EXCHANGE: Wild stock Rothschildia orizaba pupae for similar of Rothschildia forbesi - must be true forbesi, and preferably wild stock wherein possible. R. L. Halbert, 230 No. 1st St., Sierra Vista, AZ 85635.

WANTED: Data on Catocalas, especially from fringes of their range and detailed habitat and biological information on all. Offer: A large number of species of Northeastern Lepidoptera. A. E. Brower, 8 Hospital St., Augusta, ME 04330.

FOR SALE: Entomological cabinet with glass topped drawers. SASE for details. R. Rahn, 3205 W. Rochelle Road, Irving, TX 75062.

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

FOR SALE: Surplus butterflies from Ontario, Manitoba, Alberta, Yukon and asst. butterflies from Jamaica. List on request. Norm Tremblay, Shadow Lake Rd. 9, Norland, Ont. K0M 2L0, Canada.

EXCHANGE: Material from Churchill, Manitoba collected during summer, 1983. Send SASE for list and details. R. Rahn, 3205 W. Rochelle Rd, Irving, TX 75062.

EXCHANGE: Several flawless pairs of Papilio indra. Want A1 pairs of Speyeria diana. I would also exchange for comparable Neotropical specimens (especially Heliconius). Wayne H. Whaley, 6B-349 Wymount Terr., Provo, UT 84604.

FOR SALE: Surplus butterflies from Yukon, Labrador, and most of Canada, including C. pelidne, P. kahli, dodi, brevicauda, Oeneis excubitor, Erebia n. sp., and the choicest Boloria, Erebia, Oeneis, etc. All guaranteed in A-1 condition. Jim Troubridge, RR#1, Cayuga, Ontario, N0A 1E0, Canada for list.

WANTED: 1) How to Know the Butterflies of the Eastern United States, John Henry Comstock; 2) The Butterflies of the West Coast, William Greenwood Weight; 3) Butterflies of California, John Adams Comstock. State prices and condition. Leroy C. Koehn, 19121 Nottingham Rd., Apt. #203, Cleveland, Ohio 44110.

FOR SALE OR EXCHANGE: Pupae or possibly adults of Hemileuca electra, electra and Hemileuca nevadensis with full data. For prices please send SASE to Lawrence H. Shaw, 17171 Bolsa Chica Ave., Apt. 130, Huntington Beach, CA 92649.

DONATION: I would like to donate my collection of about 9,000 specimens of Rhopalocera to a University Entomology Museum. If interested please write Bill Wright, 18 Clinton Place, Woodcliff Lake, NJ 07675.

FOR SALE: 9,000 Malaysian butterflies, nearly 100 species. Write for free price list to Steve Treadway, 202 Ridgeway Dr., Nashville, Tenn. 37214.

FOR SALE: Evolution, The Modern Synthesis by Julian Huxley. A classic of 645 pages but no illustrations. In excellent condition with 2 pages of pencilled notes pertaining to butterflies and moths made by the owner. Asking price only \$7.50. If interested, contact Dr. George W. Rawson, 2221 Shorefield Rd., #414, Silver Spring, Maryland 20902.

FOR SALE: Butterfly Museum & Gift Shop on only road to national park in Utah. Living quarters included. 300 ft. frontage on State Highway. 1/2 million visitors annually. Marlen McWilliams, P.O. Box 199, Panguitch, Utah 84759.

FOR SALE: S. E. Asian material. All butterfly families, some Coleoptera. Please write for lists, stating area of interest. C. P. Davenport, Tullybannocher, Comrie, Perthshire PH6 2JY, United Kingdom.

NEEDED: Oeneis bore, taygete, and polixenes from north of the Arctic Circle, esp. from Palearctic. Offering for exchange: Papilio machaon aliaska 1m; Colias fieldi (from Himalayas) 3m; Mitoura hesseli (ex-ova) 2 f; Incisalia mossi schryverii 5m, 1f; Speyeria idalia 2m, 1f; S. diana 1m; Erebia callias 3m; E. aethiops 2 m; E. manto 1m, 1f; E. sthenno 1m; E. palarica 1m; E. vidleri 1 m; Oeneis polixenes brucei (Colo.) 4m; O. polixenes from Churchill 2m; O. melissa semplei 1m, 1f; O. melissa lucilla (banded form) 4 m; O. melissa from northern B.C. 1m, 1f; O. taygete fordii (Yukon Terr.) 3m, 1f; O. taygete edwardsi (Colo.) 4m. Make offer; state desiderata. Specimens perfect, with full data. Charles P. Slater, Box 411, Central City, CO 80427, USA.

FOR SALE: "Among the Moths and Butterflies", Ballard ('93); "The Moth Book", Holland ('04); "Report ... the Collections of Diurnal Lepidoptera ... CO, UT, NM, AZ ... 1871-1874", Mead; "Can. Ent., Vol. 69-107" ('37-'75); "Rev. of ... Calephelis", McAlpine ('71). Contact M. C. Nielsen, 3415 Overlea Dr., Lansing, MI 48917; phone (517) 321-2192.

FOR SALE OR EXCHANGE: Pupae of Papilio kahli, papered P. kahli, oregonius and dodi, also other species. Write for list to: H. P. Kimmich, 3372 Mahon Ave., North Vancouver, B.C. V7N 3T6, Canada.

WANTED: Contact with anyone having information and papered specimens of lepidoptera of Tibet. Kenneth R. Knight, 433 Brady N.W., Comstock Park, MI 49321.

FOR SALE OR EXCHANGE: Quality cocoons of H. columbia, H. cecropia, A. luna and A. polyphemus. All above stock from Ontario, with specs. Also A. pernyi (Giant size cocoons!). Papered material of all the above plus many others. Looking for viable cocoons or A1 papered of Callosamia securifera. SAE to Richard Matusiak, 3 Tremont Rd., Islington, Ontario M9B 3X3, Canada.

LARVAE WANTED: If you've got surplus larvae of any Heracodes crespontes, Pterourus palamedes, Eurytides marcellus, Agraulis vanillae, Heliconius charitonius or any Polygonia, drop me a line; I'll buy them, trade for them or work some other bargain. Clayton Dingman, 109 Washington St., Apt. 4, Williamsburg, VA 23185.

FOR SALE OR EXCHANGE: Indonesian Papilionidae and other genera. Butterflies from the island of Bali. Send SASE for list to Joel Miller, 57 Lynwood Lane, Worcester, Mass 01602.

FOR EXCHANGE: Wis. Catocala, including briseus and coccinata, other groups also available. Seeking series of all US lep's. G. Holbach, Rt. 1, Adell, Wis. 53001.

WANTED: Lycaena arota and L. heteronea clara. Wish to trade. Ricky Patterson, 5-C Confederate Quarters, Vicksburg, Miss. 39180.

FOR SALE OR EXCHANGE: Chyrsalids from wild larvae of Papilio oregonia oregonia and P. o. dodi. Wanted: eggs of most Catocala species and/or some papered material, in particular Parnassius, Colias and Pieris. John Reichel, Box 789, Revelstoke, B.C. V0E-2S0, Canada.

FOR SALE: \$10 apiece. 1) Weed (1922) Butterflies Worth Knowing, 286 p. pls.; 2) Pinhey (1965) Butterflies of Southern Africa, 240 p., 42 pls.; 3) Higgins & Riley (1970) A Field Guide to the Butterflies of Britain & Europe, 380 p., 60 pls.; 4) Larsen (1974) Butterflies of Lebanon, 255 p., col. pls. Oakley Shields, 4890 Old Highway, Mariposa, CA 95338.

WANTED: A small series (5 or 6 specimens) including at least one female, papered, of the Pierid Pseudopontia paradoxa from Africa. I am willing to purchase. State price to Norman B. Tindale, 2314 Harvard Street, Palo Alto, CA 94306.

WANTED TO EXCHANGE OR BUY: From Asia, Rare Colias and Zycaenas; from USA, C. alberta, C. boothi, rare Erebia and Oeneis; from South America, rare Parides. Offered are numerous rare species (some from China and Himalayas such as Parnassius and Lycaenidae). Jean Claude Weiss, 8 Rue Des Primeveres, 54121 Vandieres, France.



MEMBERS' COMMERCIAL NOTICES....

RICK MIRAMON, Breeder of Lepidoptera, 2639 North Johnson St., New Orleans, LA 70117, Phone (504) 944-3909. Assorted moth and swallowtail eggs, larvae or pupae for sale. Send SASE for price lists, dates of availability, order forms, etc. Food plants also listed. Also, WANTED TO BUY: Coloradia pandora larvae or pupae for breeding purposes.

COMPLETE SCIENTIFIC, P.O. Box 307-L, Round Lake, Ill. 60073, USA. 64 page catalog with about 2,000 species of worldwide Lepidoptera and Coleoptera. Revised March 1983. \$1.00.

W. B. RICHFIELD, International Specimen Supply, P.O. Box 1066, Goleta, CA 93116, USA. Selling quality global Lepidoptera and other insects. For specimen price list subscription (12 issues), send either \$5.00 domestic fee or US \$10.00 foreign fee. Operations are now fully resumed. Thank you for your patience and support during completion of the initial phase of our expansional relocation.

ROBERT GOODDEN, Worldwide Butterflies and Lullingstone Silk Farm, Compton House, Nr. Sherborne, Dorset, England. WANTED TO BUY THIS FALL: Saturniidae, especially H. cecropia and other Hyalophora spp., cynthia advena, promethea, Automeris io. Offers of Sphingidae in smaller numbers also appreciated. Papilio pupae needed: philenor, troilus, cresphontes, turnus and others. For summer 1984 supplies of summer butterfly pupae, especially plexippus, antiopa and other Vanessids. Offers this fall would be appreciated to facilitate planning of new Butterfly House.

IT'S NATURE-ALL, Suite #217, NyPenn Trade Center, 435 Main St., Johnson City, NY 13790, USA. Butterflies and Moths from Alaska to Argentina, Africa to Lapland, India to Siberia, Thailand to Timor. Also small series of other insects. Entomological equipment for the backyard student and breeder or international collector. Books on Lepidoptera. Economy international tours for the more independent lepidopterists--specializing in North, Central, South America and the Caribbean. For current listings send SASE (54¢) or send \$3.75 for full list and subscription to 11 more issues of list as published (nearly monthly).

ENTOMOLOGICAL REPRINT SPECIALISTS, P.O. Box 77224, Dockweiler Station, Los Angeles, CA 90007, USA. Check list of the Lepidoptera of America north of Mexico by R. W. Hodges et al. finally published! Lists 11,283 species plus subspecies and synonyms. \$88.00 plus \$2.00 postage (add local sales tax in Calif.). Send long SASE (37¢) for new Lepidoptera book list.

TRANSWORLD BUTTERFLY COMPANY (LS), Apartado 6951, San Jose, Costa Rica, C. America. Own British Delivery office, own Butterfly breeding projects, and extensive collectors network. Over 250 European species, over 45 Morpho species, plus much more! If you collect butterflies write us! Mastercard welcome. Catalog \$1 or \$6 for Year's monthly mailings, discount offers.

PAUL A. SHEALER, RD#2, Box 14, Auburn, PA 17922. Taking orders for the 1984 rearing season. I have a large selection of North American Sphingoidea and Saturniidae; will also do custom rearing for fee or percentage. Send SASE for information and list. Also FOR SALE OR EXCHANGE: Living pupae of A. luna, A. io, C. promethea, A. polyphemus, C. anguliferia, H. gloveri, H. columbia, E. imperialis, C. regalis, D. rubicunda, S. drupiferarum, S. kalmiae, L. coniferarum, P. myops. Send your pupae list with SASE for info. Have large supply of A-1 papered specimens of Eastern (and a few Western) Sphingoidea and Saturniidae of North America. Plus a large supply of A1 papered Sphinx franckii, both males and females, for sale or exchange for other rare Sphingoidea and Saturniidae of North America. Send SASE for price or exchange offers.

MARIO ROJAS VILLEGAS Y SAMUEL PINEDO VALERA, Apartado 119, Tingo Maria, Peru (Hualaga Central). We sell A quality Morphos (specially Morpho didius) and Papillos, Rhopalocera, Pieridae, Preponas and Agrias in papered, mixed lots (not individuals). Also Beetles, other insects, ants, wasps, etc. Large orders welcome in April, May, June, October, November and December. We also receive visitors to make trips into the jungle for collecting butterflies and other insects, free of charge.

IANNI BUTTERFLY ENTERPRISES, P.O. Box 81171, Cleveland, Ohio, 44181, phone (216) 888-2310. Fine quality, named world wide butterflies, especially of the neotropical regions for sale. Listings from Brazil, Peru, Columbia, Bolivia, Argentina, Panama, Costa Rica, El Salvador, Venezuela, Mexico, and the Bahamas. Some rareties from Indonesia also available. Reasonable prices, full data. For latest list, contact Chuck Ianni or send \$5.00 for one year price list subscription. The following book is also for sale: "The International Butterfly Book" by Paul Smart. 275 pages, hard bound. Over 2,000 butterflies photographed full size. Encompasses evolution, habitats, history, classification, structure and ecology. Postpaid, send \$32.45 check or Money Order to above address.

B. L. GOOI, P. O. Box 9, Tanah Rata, Cameron Highlands, Malaysia: selling all species of Malaysian butterflies, beetles and moths, for collectors (with data); in quantities for educational aids and other uses. Offering aberrations, freaks, mosaics, gynandromorphs, and montane Lycaenids. Seeking franchise holders from all nations for my display cases of set butterflies/beetles/moths (in glass-fronted boxes), and papered items. Also exchange for morphos and large bird-eating spiders. All letters answered.

ADAM M. COTTON, 38/1 Soi Saeng Chang, Sukhumvit 40, Bangkok 10110, Thailand: selling papered butterflies, beetles, and other insects from Thailand, wholesale and retail. All butterflies with data, A1 quality. Can also provide A2 specimens of rarer ssp. Very low prices and wholesale discounts. Write for new free price list (old customers will automatically receive one).

from: The Lepidopterists' Society

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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 15th of January.

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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 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. 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 list will comprise the last issue of the NEWS in even-numbered years.

Information on membership must be obtained from the TREASURER, Ron Leuschner, 1900 John St., Manhattan Beach, CA 90266, USA. Changes of address must be sent to the TREASURER, and only when the changes are permanent or 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 Blvd., Los Angeles, CA 90007, USA. Please notify him of any additions or changes in areas of interest for publication in the membership list.

Manuscripts submitted for publication in the JOURNAL are to be sent to the JOURNAL EDITOR, Dr. Thomas D. Eichlin, 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.....

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