



NEWS

of the LEPIDOPTERISTS' SOCIETY

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Editorial Committee of the NEWS

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PACIFIC SLOPE SECTION HOLDS 20TH MEETING

The time was July, 1953. The Lepidopterists' Society was only six years old, and was in the midst of its fourth annual meeting. For the first time, however, the locale was west of the Mississippi, — in fact, all the way west to Los Angeles, California. Collectors here had their Lorquin Society, but in that group equal time had to be given to beetles and all sorts of non-scaled-wing bugs. Here at last was a local meeting just on Lepidoptera. The 30 west coast members and friends that attended the three days of meetings found the idea of getting together for papers and discussion so enjoyable that it was suggested as an annual event. The Society was petitioned, and permission granted, for a separate western meeting in any year that the annual meeting was not held in the west.

Thus the annual Pacific Slope Section meeting was born, and has been thriving ever since, with the twentieth meeting just concluded in August at Santa Barbara. It is particularly amazing that this phenomena has endured, since there are no regular officers, no dues, and no periodical to hold this group together. Each year a site for the next meeting is chosen, along with Program and Arrangement committees. The whole process is like an isolated butterfly colony — one bad season, one weak brood and it might disappear forever. But that hasn't happened so far, thanks to the informal, field-collecting tone of the meeting, the warm hospitality of the museum hosts, and the continuing support of stalwarts such as Lloyd Martin and Nelson Baker. Each summer brings forth a new program with interesting presentations in a congenial atmosphere, and a good group of attendees whose enthusiasm is more than enough to carry over to the following year.

—RHL

THE 1973 SANTA BARBARA MEETING

The Twentieth Annual Meeting of the Pacific Slope Section was held on 25-26 August 1973 at the Santa Barbara Museum of Natural History. Registered were 29 members, but with families and friends, a total of 49 attended the banquet.

After registration Saturday morning, the meeting began with the Welcome Message by Dr. Dennis Power, Director, SBMNH, followed with the Acceptance by Nelson W. Baker. R. L. Langston was elected Secretary *pro-tem* (to write these notes) and the morning session commenced with Fred Thorne presiding.

The presentations were: "Extended flight periods of coastal and dunes butterflies" — R. L. Langston (10 coastal examples in the Pieridae, Nymphalidae, Riodinidae, Lycaenidae and Hesperidae were compared with their inland and high elevation counterparts); "A flightless jumping moth in the coastal sand dunes in California" — J. A. Powell (An undescribed species of Scythrididae with reduced wings in the windswept drifting parts of beach dunes); "The milkweed-feeding Arctiid moths of the Southwest" — J. P. Donahue (The more important genera include *Cynia*, *Euchaetias*, *Pygarctia*, *Pygoctenucha*, *Lerina* & *Ectypia*. Color slides were shown of numerous species, with explanation of their biologies). Questions and lively discussion followed each talk and continued throughout the luncheon break.

The Saturday afternoon session commenced with J. W. Tilden presiding. A resolutions committee was appointed, and the following scheduled papers were given: "Some observations on *Melitaea chara*" — F. T. Thorne (The names were clarified:

1973 SANTA BARBARA MEETING (Cont.)

chara in Arizona & northern Mexico, *dymas* in Texas, and *imperialis* in California & western Arizona. *Beloperone californica* the host in the W. Colorado Desert and at Lakeside. Under favorable conditions two or more generations per year and a very short life cycle); "The *Callophrys dumetorum-viridis* complex in the San Francisco Bay Region" — J. F. Emmel (*C. viridis* mostly restricted to the coast and a single *Eriogonum* host, whereas *C. dumetorum* more widespread inland with several hosts, most commonly on *Lotus*. Usually allopatric, but both species found together on coastal dunes in Monterey Co.); "A *Mitoura* collector's guide to the Cypress Family in California" — J. Lane (A guide to the various *Juniperus*, *Calocedrus*, *Thuja*, *Cupressus* & *Chamaecyparis* was furnished in hopes of finding new colonies of *Mitoura*. The known *Mitoura* localities are very few in relation to the potential hosts available); "The occurrence of *Speyeria nokomis* in Mexico" — S. O. Mattoon & J. R. Mori (It took extensive plans and preparation with several collectors to search for the two rare subspecies at their type localities. *S. n. wenona* was not found in Nuevo Leon, but the timing was perfect and conditions right to secure adequate *S. n. coerulescens* from several places in Chihuahua).

The Annual Banquet was held Saturday night at the Cafe Gourmet in Santa Barbara. After cocktails and dinner, the featured speaker was J. P. Donahue with slides on "Moth collecting on the Osa Peninsula, Costa Rica." This is rather remote locality accessible only by small plane. The airstrip was about the only clearing in the jungle and permitted the attraction of many species by blacklight.

The Sunday program was called to order by C. A. Sekerman. The initial talk was "Studies of the *Incisalia fotis-mossi* complex in California" — J. F. Emmel (With adequate facts and color slides, it was shown that the grayish *I. f. fotis* has *schryveri* as a subspecies, whereas the brownish *doudoroffi*, *windi* & *bayensis* found in California have closer affinities with *mossi*). A report on the Sarasota, Florida meeting was given jointly by J. A. Powell & J. P. Donahue. A few slides were shown of the new Allyn Museum and of some of those present. The details have been published [see NEWS, 15 July 1973].

After a short coffee break, there was time for the informal showing of slides. J. W. Tilden had additional pictures of the Sarasota meeting, plus the Watergate Complex and the Smithsonian. C. F. Harbison had interesting scenery shots of Tahoe Canyon, Baja California. J. A. Powell had "before" and "after" pictures of several coastal dunes (areas mentioned in four previous talks) and stressed the need for preservation and the evil of off-road vehicles. J. P. Donahue had slides on various lepidopterous larvae.

The Business Meeting was called to order with the reading of the Resolutions from the committee of J. A. Powell & J. P. Donahue:

Whereas, the 20th Annual Meeting of the Pacific Slope Section of the Lepidopterists' Society has been one of the most memorable, informative, and enjoyable meetings we have experienced;

Therefore be it resolved that we extend our most gracious thanks to the Santa Barbara Museum of Natural History, and its Director, Dr. Dennis Power, for their hospitality; to the local arrangements committee, particularly Mr. and Mrs. Nelson Baker, for the fine preparation of facilities and banquet arrangements; and to the Program Committee, Charles Sekerman and John Emmel, for assembling an especially interesting sequence of papers organized in a smoothly run format.

Whereas, The Pacific Slope Section of the Lepidopterists' Society has had the pleasure of holding 10 of its first 20 meetings in Santa Barbara and having the assurance of a standing invitation to meet at the Santa Barbara Museum of Natural History through the years, and whereas one individual has been responsible for this gracious courtesy, as well as organizing local arrangements, and who also served as unofficial but devoted Treasurer of the Pacific Slope Section;

Therefore, be it resolved that the Pacific Slope Section extend its deepest heartfelt thanks to Nelson Baker for a job well done.

The 1974 meeting will be in conjunction with the Society as a whole at the Los Angeles County Museum of Natural History. After some discussion, the dates were chosen as Fri.-Sun., 23-25 August. The program committee will be J. P. Donahue (chairman), J. A. Powell, and Kenelm W. Philip.

Discussion then ensued on 1975 and future sites and times. It was the consensus that the next one or two meetings should be outside California. For 1975, Oregon was chosen with a possibility of Oregon State University, Corvallis. However, this is tentative pending the contacting of Oregonians [actual site and time to be determined]. Other future sites being considered are Arizona State University (Tempe) and the Nevada State Museum, Carson City. A permanent committee on future meetings consists of Robert Pyle, Ken Goeden and Ron Wielgus.

The Treasurer's Report by N. W. Baker was read and approved. It was moved, seconded and passed that the funds shall revert to the other co-signer of the account, C. L. Hogue, who shall become the new Treasurer of the Pacific Slope Section.

C. A. Sekerman, Program Chairman for this meeting, gave heartfelt thanks for all who participated. No presentations fell through — all were given as scheduled! Thanks were also given to those who helped with the projectors, banquet, and the various and sundry other details.

It was overcast during the meetings in Santa Barbara, and no formal group field trip was desired by those present. However, some collected enroute on the days before and after the meeting.

Registered (from California unless noted): N. Baker, R. Breedlove, J. Brock, J. Donahue, H. Edgecomb, J. Emmel, C. Harbison, P. Herlan (Nevada), R. Highton, W. Hovanitz, R. Iwahashi, J. Lane, R. Langston, A. Lyngholm, L. Martin (Arizona), S. Mattoon, J. Mori, J. Oppewall, E. Pfeiler (Washington), J. Powell, R. Priestaf, J. Roberds, C. Sekerman, J. Snider, J. Sorenson, W. Swisher, F. Thorne, J. Tilden & B. Walsh.

— R. L. Langston, Secretary, *Pro-tem*

ESPECIALLY FOR FIELD COLLECTORS

This section is edited by Dr. Paul A. Opler. Articles are solicited from members, and are to be sent to him on subjects of interest to the field lepidopterist. His temporary address is: Hacienda la Pacifica, Canas, Guanacaste, COSTA RICA, C. A.

PRESERVING FIELD COLLECTIONS WITH CHLOROCRESOL

Robert H. Fisher

468 Goodwood Road, Cumberland Park
South Australia, 5041

Tindale (1961) described the use of dry chlorocresol crystals as a means of preserving insect specimens in the field. After several years of experimenting, the author has developed an improved method involving chlorocresol and controlled amounts of water, which enables butterfly specimens to be preserved for long periods of time in a fresh, relaxed condition. This method has been used successfully in the course of three field excursions to New Guinea, and, although the majority of insects collected were butterflies, a number of large bodied moths and other insects showed no deterioration after being stored for several months.

The longest period of storage after capture was nine months, and specimens removed from the containers after this period could be mounted immediately after the surface moisture was allowed to dry from the wings. Lycaenids with metallic blue wings, which are notoriously sensitive to chemicals, showed no damage after three months; but after nine months isolated specimens showed some color deterioration.

Other applications of this method are possible. Fresh specimens can be mailed overseas in small containers, arriving in a relaxed condition, and dried papered specimens can be relaxed readily in a short time by packing them between moist tissues as described.

METHOD

Make a one per cent solution of chlorocresol in alcohol, using, for example, 5 grams in 500ml. As chlorocresol will react with metals, it is important to use a glass or plastic container for the solution. Take a wad of white cellulose tissues about 3 cm. thick, and immerse in the solution until evenly saturated. Excess solution can be stored for further use. Remove the wad and allow to dry at room temperature. This may take several days if the tissues are left in a wad, and excessive heat must not be used at this stage to avoid loss of chlorocresol, which is volatile. If the tissues are separated from time to time, evaporation of the alcohol will be hastened, leaving them impregnated with a minute amount of chlorocresol. However, for convenience of handling, they should be left in a neatly folded wad and stored flat in a sealed plastic bag when dry.

The most suitable container for use in the field is an inexpensive plastic food box available commercially, and measuring about 12 cm. square and 6 cm. deep, with a press-on lid. The lid needs to be sealed later with tape, so a box without a flange at the lid junction is preferable. Tins or metal containers must not be used.

To prepare the box for use, first determine its capacity by filling with water and pouring into a measure. A box of the above dimensions will have a capacity of about 900ml. Sprinkle just a few crystals of chlorocresol on the bottom and cover with a layer of cotton wool about 1 cm. thick. Add 1 per cent of distilled water, in this case 9ml. This amount can be increased in extremely arid climates to 2 per cent. Distilled or pure water should be used, as water containing a trace of iron will react with the chlorocresol and cause staining.

The impregnated tissues are now removed individually from the plastic bag and folded or cut to size so that a folded double tissue is slightly smaller than the bottom of the plastic box, to allow for lateral expansion when moist. About twenty such folded tissues can be placed in a box 6 cm. deep. If the box is now closed and sealed with heavy cellulose tape the tissues will become slightly and uniformly moist. If the last 2 cm. of tape is folded back on itself, a tab will be made for easy removal.

After a day's collecting in the field, the boxes are opened and the specimens, with wings folded back, are placed in layers between the tissues starting from the bottom, adding pencilled labels when necessary. It is important not to overlap specimens as body fluids may exude and stain the wings. Depending on their size, up to 200 specimens will fit into a box of the dimensions given, unless one is fortunate enough to be collecting such things as Ornithoptera, when one specimen per layer is the maximum attainable. It is vital that the boxes be kept tightly sealed, and for this purpose a heavy duty cellulose tape must be used. Adhesive labels can be placed on the outside of the boxes to indicate their contents.

During tests, refrigeration of some boxes was carried out for three months, but since unrefrigerated boxes showed no deterioration after this time, it is considered no advantage.

The limitations of the method over a period longer than nine months have not been determined. Similarly, the possibility of some color damage over a shorter period of time to metallic blue Lycaenids, and perhaps some of the delicately colored green Geometrid moths should not be ignored.

LITERATURE CITED

TINDALE, N. B. 1961. *The Chlorocresol Method for Field Collecting*. J. Lepid. Soc. 15 : 195-197.

RECIPE FOR MOTH SUGAR BAIT

Richard A. Henderson
6711 Rest Way
Prospect, Kentucky 40059

So as not to bug the collector who deplores lengthy pieces of written criteria on subjects almost self-explanatory, I will be brief. This is a new, effective, and slightly more economical recipe or "concoction" that I use solely for the baiting of feeding moths that are attracted to such things as sap, rotting fruit, etc.

INGREDIENTS: 2 Boxes of flavored gelatin (Jello) (choose your favorite flavor)
1 Box of corn starch
1 Box of brown sugar
1/3 Cup of denatured alcohol (Solox)
1/2 Teaspoon of banana, pineapple, or peppermint extract (quantity may be varied, or use totally different essences such as lilac)

To a four quart sauce pan, add two quarts of water. Heat until almost boiling: then add 8 to 10 teaspoons of corn starch (according to your choice in thickness) mixed in a cup of water, while stirring. Remove from heat and stir in both boxes of gelatin and box of brown sugar. Let cool to room temperature, then stir in extract and alcohol. This makes slightly less than 2½ quarts of sugar bait.

NEW LITERATURE:

THE MOTHS OF AMERICA NORTH OF MEXICO, Fascicle 20.1: Mimallonoidea and Bombycoidea (Apatelodidae, Bombycidae & Lasiocampidae), by John G. Franclemont. 86 pages, 11 color plates, 22 figures. 1973. E.W. Classey Ltd. & R.B.D. Publications, Inc. Distributed in North America by Entomological Reprint Specialists, P.O. Box 77224, Dockweiler Station, Los Angeles, California 90007, U.S.A. \$32.50 (\$28.00 to subscribers of the entire series). In this, the third and final part of Fascicle 20, Dr. Franclemont erects the new superfamily Mimallonoidea for the single family Mimallonidae, and describes one new subfamily, two new genera, and seven new species.

Irwin, Roderick R. and John C. Downey, 1973. *Annotated Checklist of the Butterflies of Illinois*. Illinois Natural History Survey Biological Notes No. 81, 60 pp., 3 pls., 98 maps. This paperbound study is illustrated in black and white and gives thorough faunal coverage of Illinois Rhopalocera. It is exhaustive, well documented, and FREE; write for your copy to: Chief, Illinois Natural History Survey, Natural Resources Bldg., Urbana, ILL. 61801, U.S.A. Congratulations to the authors, who have spent over 10 years on the project!

BOOK NOTICES:

LIFE HISTORIES OF SOUTH AFRICAN LYCAENID BUTTERFLIES, by Gowan C. Clark and C.G.C. Dickson, 272 pages, 108 color plates, other drawings, 1971. Much general information in addition to descriptive matter covering early stages. Detailed colored figures hand-painted under magnification. Price \$22.00 U.S., including postage. Purnell & Sons (S.A.) (Pty.) Ltd., P.O. Box 4501, Cape Town, SOUTH AFRICA.

WHAT BUTTERFLY IS THAT? by C.G.C. Dickson, 86 pages, 18 color plates, 1972. Plates show representatives of all families of South African butterflies. Price, \$3.50 U.S., including postage. Purnell (see above).

AUSTRALIAN BUTTERFLIES, by C. McCubbin, incl. 160 pages of color plates. Size is 13½ x 9½ inches. Reduced to \$24.60 U.S. (Postpaid).

AUSTRALIAN BUTTERFLIES IN COLOR, by A. Burns and E. Rotherham, 112 pages, 49 color plates, 1969. Price, \$9.35 U.S. (Postpaid). Both available from Australian Entomological Supplies, 35 Kiwong St., Yowie Bay, N.S.W. 2228, AUSTRALIA.

RESEARCH REQUESTS:

Urgently needed for a study of the genetics of melanism: living females (normal or melanic) or eggs of *Lycia (Biston) cognataria*, *Epimecis hortaria*, *Charada deridens* and other species with melanic forms.

Michael Ginevan and Chip Taylor, Dept. of Entomology, University of Kansas, Lawrence, KAN. 60644, U.S.A.

Urgently need locality and population data for *Euristrymon ontario* (all subspecies) and *E. favonius* over entire ranges. Complete data as possible necessary for population plotting. Information will be gratefully acknowledged.

Mike Fisher, 1200 South Monaco St., #20, Denver, COLO. 80222, U.S.A.

CORRECTIONS: To R. B. Dominick's article on "Toxicology of Useful Chemicals" (NEWS, 15 May 1973):

Under *Cyanide*, sodium should of course be added to the discussion of potassium and calcium salts.

"Corrosive sublimate" has nothing to do with the hydroxides as was stated, but is instead Mercuric Chloride, a chemical which doesn't concern the topic at all.

NOTICE TO ENTOMOLOGISTS:

Volume 26 ("1970") of the Iberian Entomologists' Review "Graellsia" was not published on March 15, 1971 as stated on its covers, but rather on or after April 13, 1973. This affects the priority of new names which have been validated in this publication. The International Commission of Zoological Nomenclature and Records has been notified in this matter.

—SOCIEDAD HISPANO-LUSO-AMERICANA DE LEPIDOPTEROLOGIA (SHILAP) Madrid, SPAIN. Sept. 1, 1973

NOTICES:

Members of the Lepidopterists' Society are invited to use this section free of charge to advertise their needs and offerings in Lepidoptera. We cannot guarantee any notices, but all are expected to be made in good faith. Please be brief, clear, and check spelling. Avoid long lists. Generally, notices will be limited to 3 appearances if more than one are requested. The Editor reserves the right to alter or reject unsuitable copy.

EXCHANGE AND PURCHASE: North American, African and Oceanic butterflies and moths. Particularly needed *Actias luna*. Available trade material from Brazil, Mexico, Malaya. Theodor D. Haas, P. O. Box 1170, New York, N. Y. 10008, U.S.A.

WANTED: Correspondence with any collectors who are interested in collecting trip to Peru, Colombia or Brazil in July and Aug. of 1974. Jeff. Robb, 422 Magnolia, Denton, TEXAS 76201, U.S.A.

WANTED: To purchase for cash living cocoons, pupae, ova of *Catocala* species. Anything considered. Please send offers for sale together with price required and quantities available. Small and large numbers wanted. Send your offers immediately of stock which will be available this fall and winter to

Ronald N. Baxter, F.R.E.S., Forest Gate, London, E-7 ODP, ENGLAND. Please state if stock offered is wild-collected or bred. Only good stock required — no in-bred weaklings, please.

FOR SALE: Large quantities of papered butterflies and moths from throughout the world. Complete list of all species available for \$1. Philip A. Holzbauer, Rt. 1, Box 214, Palmyra, WIS. 53156, U.S.A.

FOR SALE: *Ornithoptera alexandrae*, \$184.00 (U.S.) per pair. These came from an old collection but are well papered, bred specimens and absolutely superb. Many other species available; write for catalogue.

Queensland Butterfly Co., P. O. Box 175, North Tamborine, Queensland, 4272, AUSTRALIA

FOR SALE: Wide variety of Formosan rare and common moths and butterflies in papers. Also many kinds of dried Formosan beetles and insect specimens. Mrs. Chang Pi-Tzu, P.O. Box 873, Taipei, FORMOSA.

EXCHANGE: Small amount of *Isoparce cupressi* and *Eumorphia intermedia* available as well as thousands of other local and exotic Sphingids. Desire only Sphingids from any world locality in return. Vernon Brou, Rt. 1, Box 74, Edgard, LA. 70049, U.S.A.

EXCHANGE: *Agrias narcissus*, *zenodorus*, *sardanapalus*, & *vulcanus*; *Ornithoptera lydius*, *alexandra*, & *paradisea*; *Papilio blumei*, *ascanius*, *androcles*, *ulysses*, *nobilis*, *lorquiniarnus*, & *gundlachianus*; *Morpho rhetnor* & *anaxibia*; *Armandia lidderdali*; *Catagramma sorana*; many other exceptional exotics. Desire other rare and spectacular exotics, particularly *Agrias*. Robert E. Aronheim, 47 Grand St., Waterbury, CONN. 06702, U.S.A.

WANTED: Following pages and plates of Seitz' Macrolepid. World: Vol. 6, pp. 1305-1452, pl. 168, 183-4; Vol. 7, pp. 405-508, pl. 50-6 & 65-87; Vol. 8, pp. 105-136; Vol. 11, pl. 31, 43, 53-7; Vol. 12, pp. 1-68 & 141-356, pl. 1-4, 6, 7, 14-5, 18-41; Vol. 15, pp. 287-358, pl. 31-41; Vol. 16, pp. 105-112 & 121-160, pl. 17-8; Suppl. 4, pp. 33-56 & 233-766, pl. 13-4, 18, 32-53. English or German. Entomology Research Library, Agriculture Canada, K.W. Neatby Bldg., Ottawa, K1A 0C6, ONTARIO, CANADA.

EXCHANGE: Desire *Papilio machaon*-group from the West, including *asterius* from N. Mex., Ariz., and Colo. Offer many mid-western species, including *Papilio troilus* & *marcellus*, *Colias cesonia* f. *rosa*, *Callophrys gryneus*, *Euristrymon ontario*, *Anaea andria*, *Euph. phaeton ozarkae*, and *Lethe creola*. Also some moths, *Ceratonia hageni*, *Lytrosis sinuosa*, *Philtraea monillata*, and others. Richard S. Funk, Dept. of Biological Sciences, So. Illinois University, Edwardsville, ILL. 62025, U.S.A.

EXCHANGE: Papilionidae, Pieridae, Satyridae, Sphingidae, etc. from Tien-shan and Pamirs. Desire Papilionidae (esp. *Ornithoptera*), *Morpho*, Heliconiidae, *Catagramma*, *Pierella*, *Haetera*, Uraniidae, and Saturniidae. D.S. Lastochkin, Poste Restaute, Kiev -42, U.S.S.R.

EXCHANGE most species of Oregon butterflies for other butterflies from U.S. or Canada. No skippers. W. A. Neill, 0932 S.W. Palatine Hill Road, Portland, OREG. 97219, U.S.A.

WANTED: Males or females of *Papilio brevicauda*, *oregonius*, *bairdi*, or *nitra*. O. O. Otto Jr., 8531 Cherry Lane, Westminster, COLO. 80030, U.S.A.

- WANTED: One or a pair of *Amblysc. simius*, *Polites verna* & *origines rhena*, *Hesperia nevada*, *Pholisora libya lena*, *Poanes taxiles*, *Erynnis horatius* & *frederecki*. Will trade *Oeneis macouni*, *Hesperia dacotae*, *Boloria* sp., and other N. Dakota and Minn. species. Will also buy. Tim L. McCabe, 101 First Ave. S.W., Dilworth, MINN. 56529, U.S.A.
- WANTED: Overwintering cocoons, eggs and pupae in quantities from 50 to 500 at best prices. Can offer species from Europe and tropics if exchange wanted. Please state quantity and price. Robert Goodden, Worldwide Butterflies Ltd., Sherborne, Dorset, ENGLAND.
- WANTED: Series or single specimens of Parnassiidae. I will purchase or exchange. Curt Eisner, Kwekerijweg 5, Den Haag, NETHERLANDS.
- WANTED: Single issues or complete volumes of: *Journal and News of Lepidopterists' Society*, *Entomological News*, *Entomologica Americana*, *Journal N.Y. Entomological Society*, *Pan-Pacific Entomologist*, and *Canadian Entomologist*. Dennis Groothius, 1700 E. 56th St., Apt. 3808, Chicago, ILL. 60637, U.S.A.
- FOR SALE: The book, "Nature Encyclopedia", by Clyde Fisher. Near perfect condition for \$10.00. Donald L. Baber, 1511 Drake Ave., Burlingame, CALIF. 94010, U.S.A.
- FOR SALE: Butterflies from Central African Republic and East Africa. Papilionidae (37 sp.), *Charaxes* (61 spp. including rare subspecies), also other Nymphalidae, Pieridae, and Epitolineae. List on request. I. D. Richardson, Dept of Physics, Leeds Univ., Leeds LS2 9JT, GREAT BRITAIN.
- FOR SALE: Antiquarian, rare or out-of-print books and publications in Natural History, especially Lepidoptera. Write for Catalogue 8. Also, libraries or small collections purchased. Rudolph Wm. Sabbot, 5239 Tendilla Ave., Woodland Hills, CALIF. 91364, U.S.A.
- FOR SALE: Pupae of *P. troilus* (25¢), *A. andria* (50¢), *A. celtis* (50¢), *E. clarus* (25¢). Shadow box frames, unfinished, 5x7 or 8x10, \$1.75 to \$3.50 (write for pamphlet showing styles). Clear polyester casts of butterflies, 2x3x3/4, untitled—\$1.50, titled—\$2.50. Write for species available. 25% discount on orders over 50. Dennis G. Kurzek, 205 Ferguson, Berryville, ARK. 72616, U.S.A.
- FOR SALE: More than 200 books on Lepidoptera in all languages. Free catalog sent on request. WANT to buy papered *Morpho*, *Agrias*, or *Limenitis*, all species. Roger Ehrman, Sciences Nat, 86 Rue de la Mare, 75, Paris 20, FRANCE.
- FOR SALE: More than 100 *Ornithoptera*, relaxed and papered from mounted collection. *O. paradesia*, *alexandrae*, *trojana*, *magellanus*, etc. Quality mainly less than perfect. List with prices sent on request. Canadian Arctic *Colias*, *Parnassius*, *Papilio*, *Boloria*, *Oeneis*, and *Erebia* from Yukon and N.W. Territories, including 1973 season's catch from latter. Complete or by genera. *Papilio* and *Ornithoptera* from East Indies also available. Will also consider exchange for unusual species. J. A. Ebner, Box 556, Okauchee, WISC. 53069, U.S.A.
- FOR SALE: Over 900 species of butterflies, beetles and moths from the Malaysian and Indonesian jungles. Rare and common species. Sim Yam Seng, 21 Joon Hiang Road, Singapore 19, SINGAPORE.

NEW AND REINSTATED MEMBERS:

- | | |
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