



NEWS

of the LEPIDOPTERISTS' SOCIETY

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Editorial Committee of the NEWS

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BACK YARD BUTTERFLIES

I moved to my current domicile in December of 1973. Behind my house is a small wooded area 400 x 200 feet. To the west is a pond which drains into the wooded area. On the south side is a large vacant lot one city block in size. The east side is bordered by a street lined with houses, behind which is a larger wooded area. The north side is bordered by additional houses, one of which is mine.

For months I drove hundreds of miles looking for butterflies; then one day just for the heck of it I walked into my back yard woods just to see what was there. I didn't see much but upon looking over some cane plants I found a pupa. Several days later out hatched a *Lethe portlandia*.

Since that first "collecting trip" into my back yard, I have occasionally revisited this area. My collecting there is usually limited to rained out weekends and afternoons after work. However, in my scanty collecting in this small "island" in my subdivision I have grown more and more impressed by the number of species which I have found or bred here.

The flora is rather diverse: several species of Oaks, Hickory, Sweetgum, a species of Maple, Willow, Hackberry, Buttonbush, Pine, and a couple of unidentified trees form the climax vegetation. Wild Azalea and Myrtle are two shrubs found there among the Maiden Cane, various sedges, grasses, ferns and other wild flowers and weeds!

The following list of Lepidoptera may not sound too hot to some, but to anyone who has collected in the South and has had to search over vast areas of "empty" forest and found NOTHING flying, I'm sure they will see the lushness of my 400 x 200 foot wood.

Skippers

Panoquina ocola regularly taken; *Oligoria maculata* seldom seen; *Amblyscirtes aesculapius* breeds on the Maiden Cane; *Pompeius verna sequoyah* once taken; *Wallengrenia otho* seldom seen; *Hylephila phyleus* regularly taken; *Ancyloxypha numitor* regularly taken as the most common skipper; *Lerema accius* seldom seen; *Nastra lherminier* regularly taken; *Pholisora catullus* occasional; *Pyrgus communis* regularly taken; *Erynnis zarucco* occasional; *Erynnis horatius* regularly taken;

Thorybes bathyllus seldom seen; *Urbanus proteus* occasional; *Epargyreus clarus* regularly taken.

Butterflies

Papilio polyxenes asterius commonly taken and breeds on wild carrot; *Papilio glaucus* regularly taken; *Papilio troilus* once taken and one pair in copula was seen; *Papilio palamedes* occasionally seen; *Pieris rapae* seldom seen; *Phoebis sennae eubule* commonly taken, the host grows nearby; *Eurema lisa* commonly taken; *Eurema nicippe* commonly seen; *Strymon melinus* seldom seen; *Calycopis cecrops* seldom seen — host occurs in woods; *Everes comyntas* regularly taken; *Celastrina argiolus pseudargiolus* regularly taken; *Libytheana bachmanni* seldom taken; *Asterocampa alicia* commonly taken; *Asterocampa clyton* regularly taken; *Limenitis archippus* regularly taken; *Limenitis astyanax* regularly taken; *Vanessa atlanta* regularly taken; *Cynthia virginicensis* occasional; *Junonia coenia* commonly taken, larva may be commonly found nearby; *Polygonia interrogationsis* commonly taken; *Polygonia comma* is one of the best catches there, 2 males in August 1975; *Phyciodes tharos* commonly taken; *Euptoieta claudia* occasional; *Agraulis vanillae nigror* occasional; *Lethe portlandia portlandia* regularly taken, breeds on Maiden Cane; *Lethe creola* regularly taken, breeds on Maiden Cane; *Cyllopsis gemma* regularly taken; *Euptychia hermes sosybius* very common; *Cercyonis pegala abbotti* occasionally seen.

Moths

Since I collect few moths, not much can be told by these few records but moth larvae are frequently found of all sizes and shapes in the wood. *Enyo lugubris*; *Eumorpha pandorus*; *Ecpantheria deflorata*; *Haploa* species; *Catocala maestosa*; *Catocala cara*; *Catocala amica* very common; *Catocala illia*; *Antheraea polyphemus*; many *Geometridae* larvae are especially abundant. There are 55 species in all, most of them taken more than once. If all the moths there were counted, the number would probably double (ED: Quadruple!).

(Continued on page 3)

THE SPREADING BOARD

By C. V. Covell, Jr.

This column is designed to be a forum for members, especially amateur field collectors, with questions or ideas to share, and tips on techniques, equipment, resources, and other topics of general interest to lepidopterists. Your comments and questions are solicited, as well as help in answering questions posed by others in this column. Write Charles V. Covell Jr., Dept. of Biology, University of Louisville, Louisville, Ky. 40208, U.S.A.

When this section of the NEWS was first announced, a call went out for suggestions of a name for it. I have selected the proposal of Sandy Russell, 44 Grace Ct., Brooklyn, N.Y. 11201 to call it "The Spreading Board" because it implies the spread of information, and also the collecting of Lepidoptera. Thanks, Sandy, and also the others of you who made suggestions.

Rod Eastwood, P.O. Box 21, Engadine, N.S.W. 2233 Australia wants to obtain a *good reference book on N. American butterflies*, preferably with color plates. For the whole N. American region, with skippers included, the present choices include the Holland *Butterfly Book*, 1931 edition, and the new H. L. Lewis *Butterflies of the World* (1973, Follett Publ. Co., Chicago, \$24.95). The former is the more complete, but is out of date in nomenclature and lacks many recently-described species and butterflies now included in the N. American fauna. It can usually be found in lists from used book dealers (see the Dealers' Directory, Jan. 1972 NEWS). The latter is also wanting in that names are often erroneous, many species not included, and there is nothing more than the color pictures and general range information. (See Lee D. Miller's corrections in his review of this book, *J. Lepid. Soc.* 28 (2), 1974, p. 178). For the eastern U.S., the best book is still the 1951 Klots *Field Guide to the Butterflies* (Houghton-Mifflin, Boston, about \$5.95), but this too is now out of date. A western *Field Guide* is in the works, by Bill Tilden; and the color-painting-illustrated book by William Howe with text by a number of our members, designed to replace the *Butterfly Book*, should be out within a year. Good regional books include Kimball's *Lepidoptera of Florida*, Harris' *Butterflies of Georgia*, the Emmels' *Butterflies of Southern California*, Pyle's *Watching Washington Butterflies*, Clark's *Butterflies of Virginia*, and Brown, Eff, and Rotger's *Butterflies of Colorado*. All are illustrated, the last 2 in black and white only. Ehrlich and Ehrlich's *How to Know the Butterflies* is a pictured key with drawings only, and excludes the skippers; but it is reasonably up to date and covers N. America.

John A. Brenner, Jr., 1219 N. Azusa Ave., Azusa, CA. 91702 asks about *preparing specimens for mailing*, both in spread and papered condition. For mailing spread or merely pinned specimens, I select a strong box with a tight and deep pinning bottom from which pins will not work loose. Drive pins in deeply, preferably with the help of pinning forceps. Anchor specimens loose on pins so they will not swing about, using extra pins against the body. Leave adequate space between specimens. Be sure there are no loose pins, fumigant crystals, etc., in the box! I once received a woefully destroyed

shipment in which loose pins had been left inadvertently, and these had acted as tiny missiles to riddle wings and break abdomens. Some people place a piece of cardboard, cut to fit the box exactly, atop the pins; but I have done well without this touch. Close the box, and seal it with tape or wrap it in paper. Then place it in the center of a nest of packing material (excelsior, crumpled newspaper, plastic bits, etc.) inside a strong cardboard carton and tape the carton securely. Be sure the contents are not loose. Then tie it with heavy string or twine for good measure. Be sure the mailing label is on to stay; I usually put Scotch tape over it, even though it is glued on. Mark the carton as FRAGILE (possibly an invitation for abuse by postal handlers), and send by parcel post. Send cheaply by Library Rates ONLY if sent to an institution — not an individual. Use of "Special Handling" will assure speedier delivery only — it does not insure gentler handling.

Papered specimens should be packed the same way, only placed with surrounding of cotton or similar soft packing inside a cigar box or similar container. Be sure papered specimens are firmly cushioned, so they will not move about during shipment, and handle each envelope carefully to avoid breakage of antennae. Some people succeed in sending strong boxes of papered specimens without using the padded outer carton; but I would not recommend it.

Bob Pudim, Box 851, Boulder, COLO. 80302 wants a short course on *wing repairs*, with more information than the article by Cannon and Palkuti in the Feb., 1975, NEWS. I have used Elmer's glue with fair results, but obviously this is not always satisfactory. For patching, closing slits, and costal wing breaks, I have used tiny bits of tracing paper glued to the under side. This works for "re-tailing" otherwise perfect *Papilio*, but one must beware of shrinking wing membranes as well as further damage resulting from the handling of delicate wing parts. Here is a chance for other members to come forward with their favorite techniques, which I will be happy to include in the next issue. One idea is to place the butterfly or moth on a spreading board while the glue is drying, but watch out that you do not glue the specimen to the board! Your ingenuity will help in supporting the affected antenna or other part while glue is setting. I will welcome further hints from other members on this subject, and include their tips next time.

☆ ☆

FOR SALE AT AUCTION

A notice was received, too late to do any good, of an impending auction of an insect collection. This was done up in very fine form, with impressive letterhead from the auctioneer, and the title blazed:

AUCTION SALE THE COLLECTION OF BUTTERFLIES AND BEATLES

The editor cannot help but be amazed by this. He wonders if they have the greatest of all rarities, a "Ringo". Can immediately be identified by the large proboscis.

APPEAL FOR PALAEARCTIC CONTRIBUTORS TO THE 1975 FIELD SEASON SUMMARY

The first attempt to include the Palaearctic Region in the well known Field Season Summary appeared in the 'News' a few months ago. In fact, the first appearance of the Palaearctic Summary was scheduled for the year 1974 (i.e. Summary for 1973, which was published one year later according to the schedule). It takes about two months for a 'printed matter' letter from the U.S.A. to reach Europe and this lateness causes delay in reports from contributors. At the time when my manuscript must go to press, the appropriate number of the News announcing the Summary hardly reaches its European destinations. This allows no time to write the reports for most of the contributors and gives me no time at all to edit and coordinate reports to a final manuscript.

I would, therefore, like to ask now all members (and non-members) who collected in 1975 in any country or part of the Palaearctic Region to send me their reports as soon as it is possible, preferably before Christmas 1975, but not later than January 1976.

The reports should be brief, but as extensive as possible within the term brief. They should include information as follows:

- general remarks on the season, its timing (lateness, earliness), abundance of Lepidoptera, etc.;
- general remarks on areas studied, details on localities (if not well known), their altitude and brief description, if pertinent;
- geographical names should as far as possible follow in form and spelling a current edition of "The Times Atlas of the World", if available for the country in question;
- species listed should include every interesting record (i.e. when in doubt as to whether to record or not, please do report), its abundance, time of occurrence and any other relevant notes;
- anything you consider worth reporting, such as observed migrations, unusual times of appearance, new records, etc.

I hope that this season summary will include many more countries and contributors than the last one and that we all will read it with interest and satisfaction. I would like to thank all 'old' contributors and all members of our Society and other lepidopterists who will take part in the production of the summary in anticipation of their interesting reports, which I am impatiently looking forward to have. Please note my new address, from October 1975: Otakar Kudrna, Department of Biological Sciences, King Henry I Street, Portsmouth, England.

(Back Yard Butterflies, continued)

Epilogue

What will happen to the 400 x 200 wood? Well, someday the owners will make something USEFUL of it . . . chop it down and put up more houses . . . I hope I move before then . . . I hope the several boys in the neighborhood who are taking up butterfly collecting find another "nature lab" by then also. That seems to be the American Way: tear it down and put up a parking lot . . . What did they ever do to the two acre wood, Pooh? And what is flying in your back yard, fellow Lepidopterist? You better find out soon, for time marches on, and we must too.

Ronald R. Gatrell, 126 Wells Road, Goose Creek, S.C. 29445

MORE ADDITIONS TO 1974 SEASON SUMMARY

Zone 1 (Southwest): Robert L. Langston, Coordinator
COUNTY (in caps.) = New county records.

ARIZONA: Ken Hansen found larvae of *Phoebis philea* on *Cassia leptocarpa*, Squaw Cyn. adj. to Sonoita Cr., west of Patagonia, S. Cruz Co., 17 Aug. & 5 Sept. 1974 (2nd. Ariz. record, 1st. for larvae & host). John Justice also took *P. philea* in Madera Cyn., Pima COUNTY, 16 Sept. (3rd. Ariz. adult record). Larvae of *Eurema mexicana* on *Acacia* sp., Kitt Peak Rd., Baboquivari Mtns., Pima Co., 2 Oct., & *Limnitis archippus obsoleta*, 3 mi. E of Lochiel, S. Cruz Co., 19 Aug., both by KH. Mike VanBuskirk reports *Celastrina argiolus* on 24 Jan. (EARLY), Molino Basin, 4300', Pima Co.; *Hemileuca tricolor* males abundant 10 mi. E. of Sells, Pima Co., 19 Feb.; larvae of *Eupackardia calleta* on *Sapium biloculare* 5 mi. W. of Ajo, Pima Co., 21 Feb.; and blacklighting in Madera Cyn., Pima Co., 17 May, *Sphinx asellus*, *S. dollii australis* and *Smerinthus saliceti*. In the Squaw Cyn.-Sonoita Cr. area on 17 Aug., KH & MV record *Ceratomia sonorensis* & *S. chersis pallescens* larvae on *Fraxinus* sp.; *Erinnyis ello* larva on a stinging plant; *Aellopos titan* adults on flowers of a climbing milkweed; *Proserpinus terlooii* on *Boerhaavia coccinea* & *coulteri*; ova of *Anisota oslari* on *Quercus grisea* plus larvae on this oak, *Q. oblongifolia* & *Juglans* sp. KH collected larvae of *A. oslari* on *Juniperus* sp. & *Rhus* (usually on *Quercus* & *Juglans*), Pena Blanca Lake area, S. Cruz Co., 9 Sept.; larvae of *P. terlooii*, Tucson, 16 Aug.; *Hemileuca tricolor* larvae on *Cercidium microphyllum*, *Prosopis*, & *Acacia* sp. near San Manuel, Pinal Co., 26 Sept.; and parasitized cocoons of *Rothschildia jorulla* & *E. calleta* near Kitt Peak Rd., Pima Co., 2 Oct.

NEVADA: Eileen & Sterling Mattoon collected along the Smoke Creek Ranch Rd. at the Calif.-Nevada state line (Washoe Co., Nev.; Lassen Co., Calif.) 4500' on 25 May 1974, with the following flying together: *Chlosyne acastus*, *Thessalia alma*, *Euphydryas chalcedona-colon* complex, *E. anicia* ssp. & *Proserpinus clarkiae*. At a wet meadow near the Scossa Ranch, 12 mi. S. of Carson City, Ken Hansen reports *Danaus gilippus strigosus* on 5 & 7 Aug. 1973.

CALIFORNIA: *Arctonotus lucidus* at lights, roadside rest N. of Weed, Siskiyou Co. (K. Hansen). *Saturnia mendocino*, Lang Crossing, 4500', S. Yuba R., Nevada Co., 2 May (E. Mattoon). *Parnassius phoebus sternitzkyi*, vic. Scraggy Peak, 7000', Rogue River Nat. For., Siskiyou Co., 4 Aug. (E & SM). *Pieris napi marginalis* flying with gen. aest. *pallida*, Hwy. 36 at S. Fork Van Duzen R., 2900', Humboldt Co., 16 June (SM & KH). *Colias occidentalis chrysomelas* ovip. on tall lupine, above Stonyford, Colusa Co., 9 June (KH). *Anthocaris lanceolata* ova & larvae on tall *Arabis*, Upper Van Duzen R., Hwy. 36, Trinity Co., 2 June (KH). *Euchloe hyantis* ovip. on *Streptanthus tortuosus*, Loon Lake El Dorado Co., 9 June (Jim Scott). *Apodemia mormo* assoc. w. yellow-flowered bush *Eriogonum*, Upper Trinity R. at Picayune Cr., 4500' Trinity COUNTY, 8 Sept. (E & SM). *Satyrium fuliginosum* ovip. at base of *Lupinus andersoni*, Sonora Pass, Mono Co., 13 July & assoc. w. *L. meionanthus* at Carson Pass, Alpine Co. (JS). *S. fuliginosum semiluna*, vic. Dry Lake Mtn., 6700', Siskiyou COUNTY & STATE record, 4 Aug. (E & SM) (Type loc.: Half Moon Ranch, Jackson Hole, Teton Co., WYOMING). *S. auretteum*, Bidwell Park, 300', Chico (only the second specimen in Butte Co.),

28 May (EM). *Incisalia mossii windi* was taken in 8 counties by the Mattoons in 1974, most as larvae and subsequently reared. Three of the counties are new: Little Stony Cr. Cyn., 2000', Colusa COUNTY, 12 May, *Sedum spathulifolium* & *Dudleya cymosa*; cyn. E. of Forest Glen, 2800', Hwy. 36, Trinity COUNTY, 16 June, *Sedum* sp.; and Hwy. 36 at McClellan Rock, 2300', Humboldt COUNTY, 21 Apr., *Sedum* sp. (first Humboldt record — on fogbelt fringe), also *windi* SE. Berry Summit, 2500', Hwy. 299, 17 June, *Sedum* sp. (most NORTHEASTERN Humboldt record). *Incisalia iroides* (melanic taxon) sympatric with *I. eryphon* (melanic taxon), Samoa Peninsula, Eureka, Humboldt Co., 20 April, *Arctostaphylos uva-ursi* for *iroides* & *Pinus contorta* for *eryphon* (E & SM). *Plebejus icarioides* assoc./w. *Lupinus arbustis*, Sonora Pass, 13 July (JS). *Anthranassa texana*, one male, Bonanza King Cyn., Providence Mtns., S. Bdn. Co., 17 May 1973 (KH) (Confirms R. Prieststaff STATE record in 1973 Summary). The Mattoons collected in the Cottonwood Mtns., 6000', S. of Tuledad Valley, Lassen Co. on 2 June. Sterling reports 8 entities as "most out-of-the-ordinary": *Callophrys lemberti*, *Glaucopsyche piasus*, *Chlosyne acastus*, *C. palla*, *Euphydryas chalcedona-colon* complex, *E. colon sperryi*, *E. anicia* ssp. & *E. editha* nr. *monoensis*. Unusually red to brown disc populations of *Speyeria egleis* were found in the vicinities of Dry Lake Mtn., 6700', & Scraggy Peak, 7000', Siskiyou Co., 4 Aug. (E & SM).

Zone 5 (Eastern-Midwest): M. C. Nielson, Coordinator
 ONTARIO: Hess submitted a comprehensive summary, representing contributions from 9 collectors, which included a list of 91 species of butterflies from widely scattered Ontario

locations. He reported the months of April and May in most of the Province were generally cool and wet, and the summer months cooler than normal. Yet, Hess found 1974 to be an interesting year for lepidoptera.

Darryl Stewart, collecting in the Cochrane-Driftwood area during 8-10 June reported *Pyrgus centaureae freija*, *E. icelus*, *P. glaucus canadensis*, *C. augustinus*, *G. lygdamus*, *E. discoidalis*, *B. freija*, *P. comma* and *faunus*. Hess, reporting from this same area during 16-18 June found *C. argiolus*, *E. discoidalis*, *O. jutta*, *P. g. canadensis*, *G. lygdamus*, *B. freija* (worn) and *C. augustinus*. Additional butterfly records of interest were *P. g. glaucus* and *cresphontes* larvae on hop tree (*Ptelea*) by S. Daniels and Stewart at Point Pelee. One of the *glaucus* resulted in a dark female on 2 October. *L. bachmannii* was also collected at this time and place.

All reports indicated that *C. cardui* was not observed while *V. atalanta* and *N. milberti* were at a low ebb. *P. glaucus*, *L. arthemis* and *astyanax*, *N. j-album* and *L. anthedon* were up in numbers. *D. plexippus*, down from 1973 level, was still seen in fair numbers.

H. cecropia was not common while *A. luna* was common in some areas. *T. polyphemus* was about normal and *C. promethea* was again taken at Chaffey's Locks. At Minden and Dorset, two male *H. columbia* (possibly *columbia* x *cecropia*) came to female *columbia* in June and July. Observation was that the *columbia* males are active a few hours before sunrise. Riotte reported *Anisota finlaysoni* on the oak ridge near Chaffey's Locks for the first time. Riotte also found that moths from hibernating pupae were not so common, but those from hibernating eggs were common, as were second generations.

RESEARCH REQUESTS:

New species records, flight dates and localities for butterflies and skippers of West Virginia. All records will be acknowledged.
 Bastiaan M. Drees, 320 Stewart St., Apt. D, Morgantown, W.VA. 26505, U.S.A.

Need comparative material, for study of *P. alpheus* populations in southern Texas, of *gracielae*, *a. alpheus*, and *a. oricus* populations, and any material from NE Mexico. Also want any records of *alpheus* from southern Texas. Mike A. Rickard, 7003 Bissonnet #1602, Houston, TEX. 77036, U.S.A.

Want contact with persons interested in study of the genus *Morpho* to exchange experiences, specimens, photos, etc. Welcome letters from any scientists studying this group. Josep Ma. Missip i Gibert, Muralla 21, Banyoles (Girona), SPAIN.

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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.

FOR SALE: Formosan butterflies, moths, beetles, cicadas, dragonflies, praying mantids, cocoons and ova of moths. Mrs. Chang Pi-Tzu, P.O. Box 873, Taipei, Taiwan (FORMOSA).

FOR SALE: Numerous books, journals, and single articles dealing with Lepidoptera. Please write for list. Dennis Groothuis, 3612 Saratoga Drive, Nashville, TENN. 37205, U.S.A.

FOR SALE: Complete mint sets of "Butterflies of Belize", postage stamps issued Sept. 2, 1974. 16 values, \$18.00 per set, including registered air mail postage. Will mail about Aug. 1975. Discounts on large orders. Glassine envelopes for sale in three handy sizes. Send 25¢ for price list of insects available. Eduardo C. Welling M., Apartado Postal 701, Merida, Yucatan, MEXICO.

FOR SALE: Insect Pins, \$6.00 per 1000 plus 16¢/M postage. Clair Armin, 191 W. Palm Ave., Reedley, CALIF. 93654, U.S.A.

FOR SALE: 350 books on Lepidoptera, request free catalog; also second hand books. Sciences Nat; 45, Rue des Alouettes; 75019 Paris, FRANCE.

WANTED: Contact with breeders, especially butterflies, for exchange of livestock. I can send much information about getting wild females to lay eggs in captivity (all families, all groups). J. P. Vesco; 14 Bis Rue Montplaisir; 84-600 Valreas, FRANCE.

WANTED: Specimens considered ruined because of oily wings to be used for classroom student use, preferably *Morphidae*, *Papilionidae*, *Saturniidae*, or whatever you will part with at modest or no cost. Dr. Arturo M. Crucet, Box 105, Norman OKLA. 73069, U.S.A.

WANT TO BUY: The Butterfly Book, by Holland, revised 1931 edition. State condition and price. James H. Maynard, 309 Irene Drive, Clarkesville, TENN. 37040, U.S.A.

FOR SALE: Nymphalidae and Pieridae from South America. Mrs. Rosario De Lafebre, P.O. Box 1265, Quito, ECUADOR

WANTED: *Morpho* butterflies, all groups. Want to buy or exchange livestock and papered specimens, completely or partially identified. Also welcome undetermined specimens. *Gra.isabelae*, *P.apollo antijesuita*, *Acher.atropos*, various *Morpho* and worldwide species for exchange. Josep Ma.Massipi Gibert, Muralla 21, Banyoles (Girona), SPAIN.

WANTED: For art work, need *Morpho aega*, *aureola*, *menelaus*, other sp. Also *Trog. brookiana*, *Urania riphaeus*, *leilus*, and other colorful species. Can accept without antennae. Send offerings and prices to: M.D.Pinatella, Muralla,21, ler.-Banyoles (Girona), SPAIN.

EXCHANGE: Offer Nearctic species, mostly mid-west USA, for *Erebia* of the world. FOR SALE: Trans.Am.Ent.Soc., Vols.97-98 (clothbound), 99-No.2,3,4; 100-No.1,2,3,4, all for \$26.00. Or will trade for specimens. WANT TO BUY: Warren "Monograph of Genus *Erebia*"; F.M.Brown, "Types of Nymphalids desc.by W.H.Edwards- Part I, Argynnninae". R.A.Rahn, 3214 W.Springdale Ave., Wausau, WISC.54401, U.S.A.

WANTED: Overwintering cocoons and pupae of any lepidoptera, esp. *cecropia*, *gloveri*, *polyphemus*, *regalis*, *imperialis*, and any *Papilio*. Please quote quantities and prices. All letters promptly answered. Robert Goodden, Worldwide Butterflies Limited, Sherborne, Dorset, ENGLAND.

WANTED: Interested in Parnassiidae, series or single specimens, will buy or exchange, need full data. C.Eisner, Kwekerijweg 5, Den Haag, HOLLAND.

FOR SALE: Butterflies of Papua/ New Guinea. H.Borch, 375 Sheridan St., North Cairns, Queensland, AUSTRALIA.

WANTED: Butterflies of all types, common and colorful, worldwide, for commercial purposes. Prefer reared species in large quantities. Dan Gilmour, P.O.Box 196, Boulder Creek, CALIF. 95006, U.S.A.

WANTED: Worldwide Lycaenidae and Nemeobiidae. Will buy or exchange. Many butterflies and moths of Pennsylvania available for exchange. Gasper Danish Jr., 1017 Second Ave., Altoona, PA. 16602, U.S.A.

WANTED: Clearwing moths of the family Aegeriidae (Sesiidae); these are mainly wasp-like moths with boring larvae. Good prices paid for papered or set adults, or live pupae, depending on condition and completeness of data. Worldwide interest. John Holoyda, 2819 N. Marmora Ave., Chicago, ILL. 60634, U.S.A.

FOR SALE: *Antheraea pernyi* cocoons at \$40.00 per hundred (Qty.over 500,\$35). Buyer must obtain importation labels from USDA using application forms which I will provide. Cocoons of *A.juna* and *A.io* at \$40.00 per hundred (Qty. over 500, \$35/C). Pupae of *L.bombycoides* and *D.rubicunda* at 10 for \$3.00 or \$25.00 per hundred. Larry J.Kopp, R.D.1, Kling-erstown, PA. 17941, U.S.A.

EXCHANGE OR BUY: Want certain US butterflies in genera *Papilio*, *Colias*, *N.terlooi*, *Limenitis*, *Speyeria*, *A.halesus*, *H.crysalus*. Please correspond, stating prices or interests (for exchanging). F.Servais, R.Vandervelde 25, B 7078 Le Roeulx, BELGIUM.

FOR SALE: Big quantity of assorted-papered Philippine Lepidoptera. Could supply up to 20,000 specimens per month. Please send offer by air mail. Pascual F. Jardiniano, Real Street, Boac, Marinduque, PHILIPPINES.

FOR SALE: Three volumes of Seitz on large butterflies: Volume V, American Rhopalocera, \$670(US); Volume IX, Indo-Australian Rhopalocera, \$750(US); Volume XIII, African Rhopalocera, \$420(US). All volumes are first quality, bound in half-leather, complete in text and plates. Volume XIII in English, others in German. Payment in advance requested or registered parcel. Packing and postage extra. Dr.T.Balazs, 8901 Merching, Gruntenstr.8, Bayern, WEST GERMANY.

WANTED: Mid-Continent Lepidoptera Series nos. 1, 29, 62. C. F. dos Passos, Washington Corners, Mendham, N. J. 07945, U.S.A.

EXCHANGE: Will exchange butterflies from Alaska, N.W. Canada, Churchill, Manitoba, Newfoundland, and Nain, Labrador; also arctic-alpine species from the Rocky Mountains FOR selected species of Hesperioidea (esp. Megathymidae) from North America, and selected species of Lycaenidae, *Euphydryas*, *Cercyonis*, *Papilio indra* from western N.A. Clifford D. Ferris, P.O. Box 3351 University Station, Laramie, WYO. 82071, U.S.A.

BOOK NOTICES:

Checklist of the Skippers and Butterflies of Maryland (separate reprint), Chesapeake Science Vol. 15, No. 4, December 1974, Pp. 222-229. Lists approx. 136 species and subspecies. Readers who would like a copy should send 20¢ in stamps to the author, John H. Fales, Ridge Road, Neeld Estate, Huntingtown, Maryland 20639, U.S.A.

MARIPOSAS DE LA PENINSULA IBERICA (Lepidoptera of the Iberian Peninsula) by M.R. Gomez-Bustillo and F.Fernandez-Rubio. The third volume of this monumental work is scheduled for publication in October 1975, including the life history and distribution in Spain and Portugal of 110 Heterocera sp. (including subsp. and f.) of the following Families: *Cossidae*, *Epyropidae*, *Cochlididae*, *Zygaenidae*, *Thyrididae*, *Ctenuchidae* (= *Amatidae*), *Bombycidae*, *Endromididae*, *Attacidae*, *Syssphingidae*, *Lemonidae*, *Lasiocampidae* and *Sphingidae*. De luxe edition written in Spanish, with 330 pages, 300 color plates, and 140 drawings: US\$25.00 included surface postage. Set of First-Second (Rhopalocera & Grypocera, 1974) and Third Volume, special price US\$50! Orders with check to SHILAP, Apartado 331, Madrid, SPAIN.

Available this fall. **THE BUTTERFLIES OF NORTH AMERICA**. Edited and illustrated by William J. Howe. 97 full color plates and 33 text illus. \$45.00 Limited edition \$150.00. This will be the definitive book on butterflies replacing Holland's Butterfly Book. Reserve a copy with Julian J. Nadolny, Natural History Booksellers, 35 Varmor, New Britain, CONN. 06053, U.S.A.

THE BIRDWING BUTTERFLIES OF THE WORLD, by Bernard D'Abrera. Available Sept.1975. Comprehensive coverage of all species and races of Ornithoptera, Trogonoptera, and Troides. All species and 90% of the races are discussed and illustrated, including aberrant forms. Some genitalic drawings. All illustrations (except drawings) in full color. Many photographs of live insects in nature, all stages. Complete taxonomic revision. Approx.268 pages, hard covers in linen, laminated dust jacket, size 11½ x 14 inches. Due to distribution difficulties, the author is making his work directly available from him to the US. Estimated price is \$50(Australian) with surface postage \$5(Aust.). If interested, contact his agent: L.M.Stokes, Hill House, Highview Road, Ferny Creek, Victoria 3786, AUSTRALIA.

BOOKS: Any Insect Book in Print. Some of the Lepidoptera books which we publish/distribute: Bradley et al., *British Tortricoid Moths: Cochylidae and Tortricidae: Tortricinae*, 1973, \$27.95; Brown & Heineman, *Jamaica and Its Butterflies*, 1972, \$44.00; Carcasson, *The Swallowtail Butterflies of East Africa*, 1975 (reprint), \$4.95; Carcasson, *Revised Catalogue of the African Sphingidae, with Descriptions of the Far East African Species*, 1975 (reprint), \$10.75; Common & Waterhouse, *Butterflies of Australia*, 1972, \$37.50; D'Abrera, *Butterflies of the Australian Region*, 1971, \$39.95; Fleming, *Butterflies of West Malaysia & Singapore*, 1975, 2-vol. set \$47.00; Heath, *The Moths and Butterflies of Great Britain and Ireland*, Vol. 1 (primitive families, Micropterygidae to Heliozelidae), the first of 10 proposed volumes, late 1975, \$45.00; Larsen, *Butterflies of Lebanon*, 1974, \$22.50; Manley & Allcard, *Field Guide to the Butterflies and Burnets of Spain*, 1971, \$39.00; Moeck, *Geographic Variability in Speyeria: Comments, Records and Description of a New Subspecies*, 1975 (reprint), \$3.50; Mosher, *Lepidoptera Pupae*, 1969 (reprint), \$9.95; **MOTHS OF AMERICA NORTH OF MEXICO**—all fascicles in stock for immediate delivery, subscription plan available; Robinson, *Macrolepidoptera of Fiji and Rotuma*, 1975, \$25.95; Rothschild & Jordan, *Revision of American Papilios*, 1967 (reprint), \$12.50. For further information on these and other titles, please write Entomological Reprint Specialists, P.O. Box 77224, Dockweiler Station, Los Angeles, California 90007, U.S.A. Or order through your local bookstore.

BIOGRAFFITI: A NATURAL SELECTION. By John M. Burns. Introduction by Stephen Jay Gould. Funny, thoughtful, literate, graceful, pointed, ribald, and outrageous light verse on matters of current biological interest, with emphasis on evolutionary, ecological, and behavioral biology and on natural history. This, of course, includes sex. The poems are terse—a quality facilitated by a quantity of punning (on entire phrases as well as on words) which provides extra levels of condensed meaning. Striking use of technical terminology creates no difficulties because terms that might be troublesome are explained in a glossary. The monarch butterfly appears in a piece called "Up the Food Chain." All poems are illustrated with appropriate woodcuts, engravings, and so forth, carefully chosen from a wide range of old works issued mostly between 1550 and 1900. Scheduled for publication in October. Hardbound, ca. 128 pp. \$5.95 from Quadrangle/The New York Times Book Co., 10 East 53rd Street, New York, NY 10022, U.S.A.

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Memoirs of the Lepidopterists' Society, Number 1 (Feb., 1964)

A SYNONYMIC LIST OF THE NEARCTIC RHOPALOCERA, by C. F. dos Passos

Price:

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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 (\$13, U.S.A.) together with full address and areas of interest in Lepidoptera. Remittances in dollars (U.S.A.) should be made payable to The Lepidopterists' Society. All members 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 of the **JOURNAL** may be purchased from the **TREASURER**.

Information on membership may be obtained from the **TREASURER**, Dr. John M. Snider, 3520 Mulldae Ave., San Pedro, CALIF. 90732, U.S.A. Changes of address must be sent to him alone, and only when changes are permanent or very long-term.

Other information about the Society may be obtained from the **SECRETARY**, Dr. Lee D. Miller, Allyn Museum of Entomology, 3701 Bay Shore Rd., Sarasota, FLA. 33580, U.S.A.

Manuscripts for publication in the **JOURNAL** are to be sent to the Editor, Dr. George L. Godfrey, Illinois Natural History Survey, Natural Resources Bldg., Urbana, ILL. 61801, U.S.A. See the inside back cover of a copy of the **JOURNAL** for editorial policies.

Items for inclusion in the **NEWS** should be sent to the Editor, Ron Leuschner, 1900 John St., Manhattan Beach, CA. 90266, U.S.A.