



NEWS

of the LEPIDOPTERISTS' SOCIETY

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EDITOR

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NEWS
FROM
EUROPE

W. O. De Prins



ZONE COORDINATORS

- | | | |
|-----------------|------------------|------------------------|
| 1. Ken Philip | 6. Ed Knudson | 10. Dave Winter |
| 2. Jon Shepard | 7. Ross Layberry | 11. J.C.E. Riotte |
| 3. Bob Langston | 8. Les Ferge | 12. Eduardo Welling M. |
| 4. Ray Stanford | 9. Andy Beck | 13. Boyce Drummond |
| 5. Ron A. Royer | | |

TUCSON 1991

The 42nd Annual Meeting of the Society in Tucson, Arizona was the best attended ever, with 182 registrants plus a number of spouses and youngsters. They came from 30 different states and the District of Columbia plus Quebec, Canada and Brazil, England, Sweden & Taiwan for the myriads of planned activities as well as the formalized technical paper and poster sessions. There were "Before" and "After" Butterfly Counts and Collecting Trips, Bird Watching activities, sight seeing and/or shopping excursions and opportunities to make new friends and renew old friendships. The Society secretary's report which follows just about says it all!

The 42nd Annual Meeting of The Lepidopterists' Society began, as was fitting, in the mountains of southeast Arizona with a 30 July butterfly count in the Huachuca Mountains, and a 31 July collecting trip to Garden Canyon in the same range. On the latter trip the first specimen collected (by the Fort Huachuca gendarmerie) was Lee Miller, but he was released after determination as to genus and species had been made. Butterflies were present in droves, and Thorybes pylades drove us to distraction as we tried to detect the more significant large black skippers sandwiched among them. Amblyscirtes were equally challenging and ubiquitous. While skippers made the day, hesperophobes found plenty to pique their interests. And even moths intruded — a rag H. gloveri hanging beneath a leaf for shelter from the sun (ova obtained) and a massive Manduca rustica forced down in the road by a nearly-as-massive wasp.

There was much crepuscular dispersal of attendees to the various southern canyons for blacklighting, and many bleary eyes on the ensuing days.

The 1 August Executive Council meeting was an ordeal: over four hours of very heated discussions as the malfunctioning "air conditioning" system blew in outdoor air at 100-105°, or nothing. Despite or because of this, President Ron Leuschner, with timely and welcome prodding by Dale Habeck, kept the meeting moving, and all necessary business was satisfactorily dealt with in a panting marathon session. New editors Stephanie McKown (NEWS) and John Brown (JOURNAL), nominated by the Editorial Board at their a.m. meeting, were unanimously approved by the Council.

The Thursday evening social hour, sponsored by BioQuip Products, gave the first organized opportunity for exchanging tall tales with new and old friends. NEWS staff photographer Covell immortalized as many smiling faces as time would allow.

Formal sessions began Friday a.m., with fare varying from basic science and taxonomy, through exciting laboratory studies of various lepidopteran organ systems, to beautifully illustrated accounts of rearing and field activities, an assortment to satisfy all appetites. Formal symposia included Evolution of Butterfly Mating Behavior, Moths of the American Southwest and Mexico, Biology and Systematics of the Arctidae,

and Studies in Lepidopteran Biodiversity. To this observer, one of the most exciting papers was that of Bill Conner on the mechanism and functions of sound production in arctiid moths. Among the most significant was Scott Miller's presentation on the planning of conservation-oriented research so that desired goals can actually be met.

Sonoran Arthropod Studies, Inc., one of the hosting organizations, was true to its name and supplied some of us, as we posed in the noonday sun on the lawn of the Quality Inn for the group picture, with more chiggers than we really wanted!

The Friday evening social hour and barbecue was staged at the Old Tucson Studios, featuring an outstanding chicken dinner. The only film stars present performed at the after-dinner slide show. The outstanding behavioral observation depicted a spermatophore deposited in the armpit of a clothesline T-shirt by a butterfly that was photographed but not identifiable. The shirt's owner denied that he was wearing (or exuding) pheromones.

With the Karl Jordan Medal (temporarily, we hope) on hold because of a Florida state budget drought, the Saturday night post-banquet menu began with presentation of the Pacific Slope Section's Comstock Award honoring Fred Thorne (in absentia). Ron Leuschner, following with his presidential address, then took us on a non-collecting collecting tour through New Zealand, showing how the moth collector can exploit motel lights, store windows, and especially unscreened bathrooms to accomplish his purpose.

At the 20th annual door prize drawing, Charlie Covell and his minions dealt out nearly 80 prizes to the over 160 banquet guests. With such a favorable loot/guest ratio, many long-time losers finally became winners.

With the annual Business Meeting (minutes elsewhere in this issue) Sunday morning, the formal activities of the meeting drew to a close. A dispersal phase then ensued, some to tours of Sonoran Arthropod Studies and the Desert Museum, some back to the southern mountains for more collecting. One observer's blacklight in Box Canyon drew a plethora of sphingids, mainly Manduca, which assaulted the collector and harassed the smaller and more desirable species, making it difficult to capture them. A squeaking 2" stag beetle provided comic relief.

(Handling the large sphinxes, and getting numerous fingers punctured by tibial spines, gives rise to questions. May the spines have more than just taxonomic value? Has any benefit been demonstrated for defense against small vertebrate predators?)

At quitting time there were 29 sphinxes on the sheet and who knows how many on the collector's clothing. Many stops were necessary on the way back, and the next day, to throw one beast after another out the car window. A captured Eacles oslari obligingly laid several dozen eggs without damaging herself significantly.

A trip to Sycamore Canyon in the Atascosa Mountains was a "should have been here last year" sort. The terrain was parched, and flowers and butterflies were scarce. Exceptions

were the red penstemmon, patronized by many transient pierids. After making the acquaintance of the male Eurema proterpia perhaps I do have a favorite butterfly!

Participating in the annual butterfly count in the much less arid Patagonia Mountains was a pleasant experience. The early morning thistles were bending under clusters of fresh gold-banded skippers, indicative of a banner year for this species. Dozens of elegant P. multicaudatus floating about made the pigmy blues look like gnats. Thirty species (plus several Amblyscirtes sp.) by a very slow-moving observer made for a very nice day. The total count, by twelve observers covering different sectors, was an all-time high of 93 species.

Whether one's goal in attending the annual meeting is conviviality, sampling the local fauna, keeping up with the latest of lepidopterology, or a mix, all were achievable because of the magnificent organization by Steve Prchal for the meeting itself, and by Jim Brock and Rick Ballowitz for the field activities. They showed us that Arizona, heat notwithstanding, is hard to match.

So, join us in East Lansing next year: different climate, different ecosystems, different lepidoptera, and a somewhat altered mix of great people. But bring a sweater!

Dave Winter, Secretary

MINUTES OF THE ANNUAL BUSINESS MEETING, 1991

The 1991 Annual Business Meeting of the Lepidopterists' Society was called to order by President Ron Leuschner at 11:22 a.m. Sunday 4 August, at the Quality Inn University, Tucson, Arizona. Approximately sixty members were in attendance. The President reported that, from his point of view, the Society was thriving, and he predicted more of the same.

Treasurer Fay Karpoleon reported on the healthy state of the Society's finances. A summary report will be published elsewhere in the NEWS.

The Secretary invited members to contact him with any ideas they had which might benefit the Society, or with any problems with which they might need help.

Mo Nielsen, who will organize the 1992 Annual Meeting along with Mark Scriber, invited us all to attend 25-28 June at Michigan State University in East Lansing, Michigan. The 1993 Annual Meeting was announced for Fort Collins, Colorado, 8-11 July, with Paul Opler as organizer.

The President announced the appointment of the new 1992 Editors, who had been nominated by the Editorial Board after a detailed search: Stephanie McKown of Boise, Idaho, for the NEWS, and John Brown, of San Diego, California, for the JOURNAL. He felt confident that the high standards of the past will be maintained, and that the evolving needs of members will be responded to.

Attention was drawn to the newly established Clench Award, given in honor of the late Harry K. Clench, one of the founders of the Society. The award recognizes the best paper presented by a student during the annual meeting scientific sessions. Members were reminded that the Endowments and Awards Committee (Ben Ziegler, chairman) now offers an avenue for the establishment of new awards.

The developing activities of the Education Committee (co-chaired by J. Y. Miller and S. S. Borkin) were reviewed. These include production of lists of books on lepidoptera, of entomological supply houses, and of organizations devoted to the study of lepidoptera, as well as brochures on life history, behavior, butterfly gardening, etc., to meet the increasing public appetite for such information.

The Nominating Committee (S. S. McKown, M. C. Nielsen, M. A. Solis, and J. P. Donahue, Chairman) presented a slate of potential candidates whose willingness to serve is currently being ascertained. There were no additional nominations from the floor.

Production of a Lepidopterists' Society decal, which had been researched in detail by C. Covell, was given a strong vote of approval. The project will be put into motion by the incoming president.

Jerry Powell discussed a 1992 Pacific Slope Section meeting. He offered to do the initial planning, and requested that interested members contact him. Nominations for the Comstock Award should be conveyed to him or to Ray Stanford.

The President read the list of members whose deaths had been made known to us since the last annual meeting: J. F. Gates Clarke, S. N. A. Jacobs, E. M. Kilinch, Vladimir Polacek,

and Erich Clark Walter (never a member, but a very influential west coast lepidopterist).

There being no new business, the President called upon Resolutions Chairman John Lane to do his thing: after laying out the facts in careful detail he ascended into poetry, then departed, stage right, amid ringing applause.

This having been accomplished, retiring President Leuschner installed the impedimenta of office upon incoming President Floyd Preston, and a new year of the Lep Soc was begun.

Respectfully submitted,

Dave Winter
Dave Winter, Secretary

PRESIDENTIAL ADDRESS: AN ITINERANT'S LOOK AT NEW ZEALAND LEPIDOPTERA

It seemed like most of the "good" topics for a Presidential Address had already been covered in recent years — the importance of amateurs, need for a better image for Lepidopterists, more identification tools, better field observations, etc. So instead of trying to repeat or compete, I chose a less weighty topic: a visit to New Zealand in which a lot was learned about Lepidoptera in that far-off land.

This was a non-collecting trip, meaning with my wife along, we weren't going to "rough it" in the field, but stay in comfortable places and act like tourists. Also, no heavy equipment came along — no black lights, no converters, no light traps. But there is always room for a collapsible net, some envelopes, and a good supply of cyanide jars stuffed in shoes in the suitcase.

Before getting to what was collected, a bit of information is needed on New Zealand's geography, main cities, people and history. Then New Zealand's 1700 plus species of Leps: when first collected, who named them, and what's different and interesting about them. Next a few tips on how to collect on a non-collecting trip. And how J. S. Dugdale's recent catalog allowed me to get reasonably correct names on most of the 230 species that were collected. Finally, there will be mention of the spectacular scenery of New Zealand, and certain species of moths collected there, and even a few butterflies.

1. GEOGRAPHY

Where Exactly is New Zealand? We all know it is "down under," but many people think it is right next to Australia. Actually, there are 1000 miles between them, so you don't just pop over from one to the other. New Zealand consists of two main islands, and many small ones that are difficult to reach. Most of New Zealand is further south than any of Australia. The latitude ranges from 35-45 degrees South, which is like San Francisco to Portland, Oregon in our hemisphere. But land in the Southern Hemisphere is relatively sparse: only Chile and Argentina go further south (Antarctica doesn't count, since it has no Leps). The South Island has a good sized range of mountains, including Mt. Cook at 12,300 feet. New Zealand lies across the International Date Line from here, so you lose a day going but get it back returning. A confusing way to start a trip.

2. SOME OTHER FACTS

New Zealand has a population of 3.2 million; 84% English-speaking and 10% Maori. Auckland is the largest city, then Wellington (the capital), Christchurch, Hamilton and Dunedin. There are Natural History Museums in Auckland and Wellington, both of which I visited and received good hospitality. Most of the country otherwise is "small town." A friend advised me: "You'll find the atmosphere like mid-America in the 1950's." There was a definite similarity in the friendly and un-hurried pace (but no Chevy's on Main Street).

3. HISTORY

New Zealand was originally settled by Polynesian people around 1000 AD, give or take 300 years, and they evolved into the Maori subspecies. They ate birds (that is what the name "Maori" means), especially the giant flightless Moa. By 1700 they had eaten them all, and there were no mo' Moa's. But not to worry — white men started arriving in ships, and after a few confrontations, the Maori's ate a couple boatloads of them.

This was making colonization difficult. But the English devised the Treaty of 1840: if the Maori's started acting nice, they became British citizens. This settled things down

enough for the English to start subdividing the land. With civilization imposed, activities such as collecting Lepids could begin, interrupted by only a few subsequent uprisings.

4. TAXONOMIC HISTORY

Quoting Dugdale's catalog (more on this later): "as befits Britons in a British Colony, most early New Zealand specimens were presented or sold to the British Museum." So it is not surprising that Francis Walker of British Museum infamy dominated the early naming of moths. Things took a turn for the better when Edward Meyrick arrived in NZ in 1879 as a classics master in Christchurch. He re-did the scattered descriptions of previous workers, adding many of his own, but most importantly made an overall classification. New Zealand was the only region where Meyrick worked extensively on Macro's: later he concentrated solely on Micro's. Meyrick left for England in 1887, but had met a local collector named G. V. Hudson before he left. Together they formed a partnership that resulted in an illustrated monograph. Hudson (and others) collected, sent specimens to Meyrick, who made the final decision on what was or was not a good species. Hudson got the species illustrated and published a 1928 monograph and a 1939 update which presented all New Zealand species to that date. Meyrick died in 1938, and Hudson in 1946, thus ending that era.

This was certainly a worthy pioneering effort, but not without its flaws. The early describers were all European, so in many cases the species were assigned to palearctic genera. I am not a generic expert, but was aghast to see some of the strange Geometers put in the genus *Hydriomena*, for example. And then there are the illustrations in Hudson. If some figures in Seitz are bad, many of those in Hudson are worse. The color is wrong, the lines are inaccurate, and the wing shape is distorted. But somehow you can recognize many of the species, and at least there are published illustrations.

5. NEW CATALOG OF NEW ZEALAND LEPIDOPTERA

The problems with taxonomy and identification have been greatly alleviated by a new catalog of all New Zealand Lepidoptera by J. S. Dugdale, published in 1988. Meyrick's classification has been updated to current views on superfamilies and families, and many generic re-assignments made. There is still more work to be done: in several places, the catalog says "this is what is left in Genus A (in the sense of Meyrick) after applicable species were moved to Genera B, C and D. Type specimens for each species-level name were nailed down (neither Meyrick nor Hudson attached much importance to Holotypes) as Dugdale spent long hours in the British Museum and other type repositories. The catalog contains many features not usually found in a catalog: a history of New Zealand collecting (this talk used that liberally); keys to family level; illustrations of structures for major groups; and a drawing of one member of each major family. But the most important feature is a cross reference to all of Hudson's illustrations with corrected identifications, and warning notes — "this figure doesn't look much like that species." With that kind of assistance, I was able to identify over 200 species using Hudson, with fair assurance that the right names were attached. The catalog is a handsome book with its silver cover, and was obtained for only 42 New Zealand dollars, which converts to about \$25 (U.S.). This was a real bargain, and the timing was perfect for my trip and the preparation of this talk.

6. WHAT WAS DIFFERENT AND INTERESTING

We all assume that our own familiar situations are "normal" and anything other than that is "strange." Reflecting that bias, I will tell you that New Zealand has a very strange distribution of its 1761 species (vs. North American 11,300 species). New families and Superfamilies are to be expected: the *Mnesarchaeidae* and the *Roeslerstammidae* (why do small moths have such long names?) are two examples. The strange part occurs in familiar families like Noctuids, Geometers and Pyralids. In these, certain subfamilies and certain genera within these go hog-wild with species, while others have few or no species. In Noctuids, the Hadenines have 71% of all the family compared to our normal 14%. In Geometers, the Larentines have 76% compared to our 33%. In Pyralids (a new family, *Crambidae* is recognized, but I combined it for this comparison), the Crambines and Scoparines account for 84% of species versus our 15%. This is likely due to the isolated nature of the New Zealand islands: only certain ancestral stems got on board before the islands cast off from the land

mass. One final statistic: 90% of the species are endemic (only found there). This is certainly due to island isolation.

The lack of butterflies in New Zealand is really striking. There are 18 established species, and 4 of these came with the English settlers. Gibbs' excellent book on NZ butterflies does raise the question of the lack of species, but I couldn't find an answer there. He says be thankful for 18 species, since some groups have none at all!

7. MOTHS COLLECTING TIPS IN A NEW AND STRANGE LAND

The first rule is to be ever alert for opportunities like Mr. Micawber of Dickens' novel. You walk down many a street with shops. The collector looks in the shop windows like every other tourist. But wait! Look at his eyes! They are not on the center of the window, but instead are scanning the edges, especially the bottom ledge. Then there is a sudden start, and hand reaches for a jar in the pocket, a furtive glance around to see who is watching, the jar opens, the lid scrapes the moth inside, and off to the next shop. Sometimes an interesting specimen is inside the window. If sufficiently nifty, the collector may go in and ask: "Do you mind if I remove a dead moth from your window?" It usually works.

A more promising collecting method (when travelling by car) is to stop at a likely spot with natural vegetation and flowers, and charge around a bit to see what's flying. The number of times you can get away with this (with a wife waiting in the car) depends inversely on the ambient temperature. "Just 15 minutes, dear" usually means 30 because it was "really good." But if there is nothing, return quickly and save your points for another time.

Phone booths are always worth a check as they usually have lights on all night long. Always keep your eyes open where ever you are: the airport at Dunedin was a bonanza. We came through during the annual flight of the Porina moths. The windows and walls were covered with these large Hepialids, and my jars were soon full. The natives say that the Porina predict coming of rain, but since it rains a lot anyway, that didn't seem to be a startling prediction.

Our motels were a good source of moths at night. The English people love their gardens, which brings lots of foodplants close at hand. Many motels are located in residential neighborhoods, not concrete canyons. The one at Christchurch was tops. The back building was unoccupied, but had two large floodlights shining on a white stucco wall, with stairs for access. Most of my Tortricids came from there.

The best place was a coffee break stop on the tour bus route to Milford Sound, the Lake Gunn Lodge at Cascade Creek. After coffee, I wandered outside and was amazed by all the moths resting on the walls. There were too many to get in the few minutes available, but fortunately we stopped there again on the way back, and I finished the job. With a little scheming, we managed to stay there the next night. With access to the motel building, I found that there were Noctuids in almost every crevice of the wooden siding. And the light in the Laundry Room was on all night. Heaven for a collector!

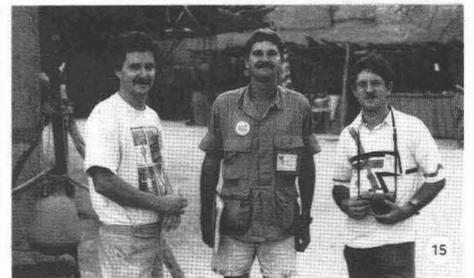
Lake Gunn was soon to be topped, or at least tied, by a one night stay at Mt. Cook National Park. The scenery there was magnificent, with plenty of trails for hiking to view the glaciers. We had our own A-frame chalet, with a nice bright light outside the front door. The only problem was that the moths did not sit down, but just flew around the light 10 feet above the ground. This does not stop the resourceful collector, however; I stood out there for 3 hours and picked them out of mid-air with a butterfly net.

8. THE SLIDES

Slides were shown at the banquet of scenery and some of the Lepidoptera taken. Unfortunately, they cannot be included here. There were 7 species of butterflies, including all 4 species of Coppers, and lots of moths, mainly Geometers and Noctuids.

9. CONCLUSIONS

There have been a few good collectors over the years in New Zealand who have thoroughly explored the Lepidopterous fauna. Substantial collections have been assembled in local museums after the British Museum was filled up. Taxonomy was mainly controlled overseas in the early days. Since World War II, relatively little has been described, but Dugdale has listed over 50 species known to be new, but undescribed. Dugdale's catalog is a tremendous work that provides a sound basis to proceed. But who will do that? I don't see more than a handful of people interested at this time. The lack of



TUCSON CANDID PHOTOS

butterflies may have a lot to do with the shortage of New Zealand Lepidopterists. But it is a great place for a visit.

Ron Leuschner
Manhattan Beach, California

THE JOHN ADAMS COMSTOCK AWARD, 1991

This award is presented by the Pacific Slope Section of the Lepidopterists' Society to the best student paper given at its Annual Meeting. Each year the award honors a different lepidopterist who has made a significant contribution to the study of Lepidoptera in the West.

The Person We Honor, Fred T. Thorne

Fred is the third resident of San Diego County, California to be honored with this award, a distinction he once said would be undeserved. This received some respect, Charles F. ("Harbie") Harbison receiving the honor in 1983, but the time has come to remember Fred and his many contributions to science, education and in particular to our Society. His efforts over more than 50 years have been somewhat different from those of Comstock or Harbison, and are more comparable to those of his late friend and colleague Lloyd Martin of Los Angeles, who was honored with this award in 1980. Both spent years curating a major public insect collection, wrote scientific papers, but are best remembered as being outstanding field and laboratory teachers who taught, challenged and encouraged more than one generation of young lepidopterists on the importance of keeping detailed field notes, proper curating of specimens, accurate labeling, careful identification, and storage of material. Fred once wrote RES that he considered writing papers a colossal waste of time, but he nevertheless "wasted" many hours over the years. RES considers his paper "The Distribution of an Endemic Butterfly, *Lycaena hermes*," J. Research Lepid. 2(2): 143-150, 1963 to be a classic, very well researched and written, and a model for such a paper that others should follow (and have!). Also his papers on *Strymon avalona* and *Philotiella speciosa* are carefully distilled field studies. His sense of humor is legendary, and will be discussed below. His skills include an uncanny field savvy, detailed knowledge of San Diego County butterflies, and exceptional rearing ability.

Fred is a native of the Rocky Mountains, born 25 June 1909 in Casper, Wyoming. He moved to San Diego at a young age, and attended San Diego State College (now University) from 1937 to 1941 receiving a BS degree in entomology. Before that, in 1931, he married Dorothy (Dottie) Mary Argo, and they have lived overlooking El Cajon (a suburb of San Diego) ever since. They have two daughters, Valerie Barbara (1932) and Diana Patricia (1939) and an extended family now. Fred worked for many years as an agricultural entomologist for San Diego County, and then for a few years as curator of entomology at the San Diego Natural History Museum after Harbison retired and before the new generation of Greg Forbes, David Faulkner, John Brown and others became active. His tireless work for the Lepidopterists' Society, Pacific Slope section, Los Entomologos and other professional and amateur entomological groups are well documented on pages 110-111 of the Lepidopterists' Society Commemorative Volume 1945-1973, published in 1977, and will be summarized briefly here along with a few personal comments. He is a charter and sustaining member of the Lepidopterists' Society.

He served as first vice president in 1958, and as a member of the Executive Council from 1967 to 1969. He was on the Journal editorial committee from 1957 to 1969, serving as associate editor from 1957 to 1966 (Especially for Field Collectors). He was also on the editorial committee of the NEWS in 1960 and from 1965 to 1969, and was the Zone 1 Season Summary coordinator from 1961 to 1969. He has always been a fine public speaker and "organization man," serving on the program committees of the Pacific Slope section in 1954-1956, 1960, 1965 and 1969; also on the program committees for the national meetings in 1953 and 1962. He and Harbison orchestrated a fine meeting in 1955, so RES decided to join the Society and has been active ever since, largely due to Fred's encouragement and enthusiasm. He attended and enjoyed many other Lepidopterists' Society meetings, including the one in Boulder, Colorado in 1977. He has also been active in the Entomological Society of America, Los Entomologos (a San Diego group of which he was de facto chairman for decades), the Lepidoptera Research Foundation, Lorquin Entomological Club (in Los Angeles), and a Fellow of the San Diego Natural History Society. His publications and informal articles have appeared in the Bulletin of the Southern California Academy of Sciences, Journal of the Lepidopterists' Society, Journal of Research on Lepidoptera, Los Entomologos, Mid-continent Lepidoptera Series, local newspapers and magazines and elsewhere. A formal bibliography is in the works.

A few anecdotes in closing. Fred has always been a sensitive, colorful, intellectual person, generous, curious and unselfish. After RES got to know him at the 1955 meeting, he came to his house several times to pick him up and take a day collecting trip into what was called "the backcountry" since RES was not yet old enough to drive. He did the same for Shields, Dirks, Dvorak and others, always with stories to tell and lessons to teach. Many years later, a box came in the mail to RES which contained 6 pairs of carefully spread and labeled *Euphydryas editha wrighti* from a population in San Diego that was threatened by housing development; he knew that RES had missed this species because it was always past flight when he came home from college for spring break. He also took RES to some good *L. hermes* spots, and is the world authority on this species that is limited to southern San Diego County and adjoining Baja California Norte. He did some exciting breeding research on *Euphydryas editha* and *Papilio* species, some with Bill Hedges, from the 1930's into the 1960's, but they are unpublished to our knowledge. He also studied Giant Skippers (*Megathymus* and *Agathymus*) with Harbison, taking several arduous trips into the Baja California wilderness, resulting in the description of two new subspecies. Finally, a brief story about Fred, since he is a master story teller. He, Oakley Shields, Chris Henne and Luther Little went on a spring field trip to the Providence Mountains in San Bernardino County, California. In the evening the black light attracted hundreds of *Hyles lineata* (White Lined Sphinx Moth), some of which Fred decided belonged in Luther's sleeping bag. When Luther decided to hit the sack, he got the surprise of his life!

We hope that Fred and Dottie are well, and would like to see them again at the Tucson meeting this year. Maybe they will take a sentimental journey to Wyoming, and help with the 273 county records needed to reach 100 avg sp/col!

Ray Edmund Stanford
University of Colorado, Denver
A. Oakley Shields
Mariposa, California

CANDID PHOTOS FROM TUCSON: Identifications are from left to right. Photos by Charlie Covell. 1. Executive Board meeting, Stephanie McKown, Pres. Ron Leuschner, Secy. Dave Winter; 2. More of the Executive Board, Dave Winter, June Preston, Floyd Preston, Jackie Miller; 3. Janet Bardwell at the SASI booth with a customer; 4. Mike Rickard and Bob Langston in rear with Jeanne Leuschner in foreground; 5. Dale Habeck, Bill Miller, Susan Borkin and Mo Nielsen at Executive Board meeting; 6. Bob Robbins, Paul Opler, Treas. Fay Karpuleon and Ben Ziegler at Executive Board meeting; 7. Steve Prchal and Barbara Bickel of SASI; 8. Mo Nielsen chats with John Peacock; 9. Youngsters "checking out" some field guides; 10. Richard and Louise Fall; 11. Karõlis Bagdonas and Fred Stehr; 12. Three Millers, Scott, Jackie and Lee with an empty space for Bill; 13. Headline in the *Old Tucson News* for the Friday night function at Old Tucson; 14. Ron Leuschner, Stan Nicolay and Olaf Mielke; 15. Mark Sitter, Tom Kral and Jeff Slotten; 16. Kent Wilson, Ben Landing, Mark Karpuleon and Fay Karpuleon; 17. Doug Ferguson, Ray Nagle and Katherine Covell with an unidentified immature; 18. Charlie Covell, Stephanie McKown, Mark and Fay Karpuleon; 19. An unidentified participant looks over the SASI display while Justin Schmidt chats with Bill Conner; 20. Dave Winter, Eric Metzler and Steve Stone in foreground; 21. Jerry Powell talks with John and Poody Brown; 22. Hazel Tilden, Lil and Stan Nicolay; 23. George Austin, Lee Miller, Ben Ziegler, Karõlis Bagdonas, Fred Stehr and Mo Nielsen.

REPORT OF THE RESOLUTIONS COMMITTEE

Whereas:

The 42nd Annual Meeting of the Lepidopterists' Society met in Tucson, Arizona, Aug. 1-4, 1991; Having been the best-attended meeting of the Society ever, with approximately 200 registered attendees; and Having been a full service, no-holds-barred meeting, complete with welcoming reception, BBQ, Banquet, ad libitum am rolls and coffee and hosted free-drink pm bars, and both pre- and post-meeting field trips; and Comprising two and a half days of excellent papers and posters, complete with attendant data, discussion, and debate; tables, charts, and figures; slides, tapes, and videos; poems, questions, and answers and more questions; with all presentations recorded on videotape (a Society "first"); and Providing all in attendance a friendly forum for interpersonal interchange, a valuable vehicle for lepidopterological loquation, a professional province for detailed discussions, and an entertaining avenue for eccentric erudition, not to mention a delightful diversion for considerable collecting;

Therefore be it resolved we offer our deepest appreciation, gratitude and thanks to all, to wit:

To Steve Prchal — the leader of the band — and Sonoran Arthropod Studies, Inc., and his closest sidekicks, Janet Bardwell and Jim Brock (these are the fewest who gave the mostest in time and energy) and to the many other SASI volunteers, especially Barbara Bickel, who helped us all with registration, and Chip Hedgecock, our audiovisual aide; To the University of Arizona Center for Insect Science and Department of Entomology;

To the Science Program Committee, Ray Nagle and Phillip Krusch;

To the meeting treasurer, Bob Welch;

To artist Paul Mirocha for providing our meeting logo;

To Plants of the Southwest for providing (what else?) plants;

To Richard Bailowitz, Jim Brock, Jim Mori, and Mike Smith for leading the numerous fieldtrips;

To Kilian Roever and Mike Smith for preparing the detailed collecting guide and state checklist which added so much to our collecting success and pleasure both before and after the meeting;

To all the presenters and moderators;

To all who brought specimens or displays;

To the Quality Inn University and its staff for many courtesies and helpful attendance to our needs, and especially their flexibility and assistance with a large number of unexpected late registrants;

And to our sponsors, whose generous financial support truly made our meeting a party: Bio Quip Products for the Welcome Reception, and Mr. and Mrs. John and Gladys Brock, and Jim Brock, for underwriting the BBQ at Old Tucson and all our hosted-bars;

Furthermore, we take this opportunity to note with appreciation:

The appearance of Society's latest Memoir, "Foodplants of the World Saturniidae";

The soon forthcoming appearance of "Butterflies of Southeast Arizona" by Richard Bailowitz and Jim Brock;

The successful service of outgoing president Ron Leuschner for a year of overseeing the Society's business;

And the service to the Society in the upcoming year of incoming president Floyd Preston;

And take special note of the long and excellent service to the Society of several members, to wit:

Charlie Covell for 20 years service as our able Master of Ceremonies of the Annual Door Prizes;

Boyce Drummond for three years dedicated service as our

Journal editor;

And June Preston for her nine years (!) superb editorship of the Society NEWS;

And note with appreciation two new able editors,

John Brown, incoming editor of the Journal, and Stephanie McKown, our new NEWS editor.

Therefore be it resolved that we — all who attended and enjoyed, partook and profited — offer to all the above and to all who made this possible, a handshake and a pat on the back, our deep appreciation and sincere thanks.

Resolutions Committee (John Lane)

ADDENDA TO REPORT OF THE RESOLUTIONS COMMITTEE

We came from all directions,
over oceans far and near,
re-met old friends and met new ones,
over fruit, cheese, wine and beer.

In papers, slides and videotapes
we heard about moth ears, bats and mates,
and ultrasound and rna
and lots of county dots,
and mating pairs and grizzly bears,
even polka-dotted waspy moths.

We visited exotic lands
like Madagascar, Mexico and Borneo,
Irian Jaya, Alaska, Tonga, Barbuda,
even eccentric central California.

We did it all, we had a ball
(but what happened to after-hours Saturday night
dancing?)

oh well, I suppose it's all for the best —
that leaves something for next year in East Lansing.

John Lane



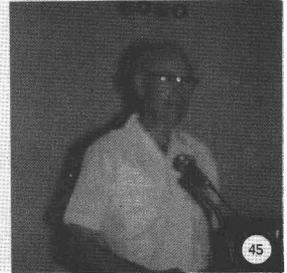
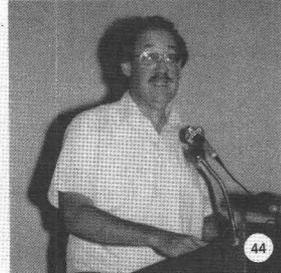
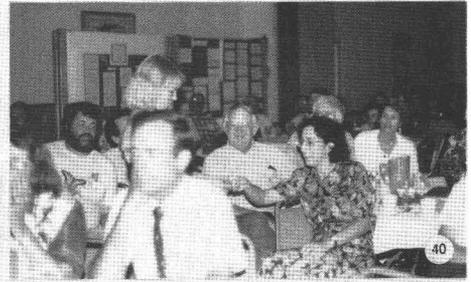
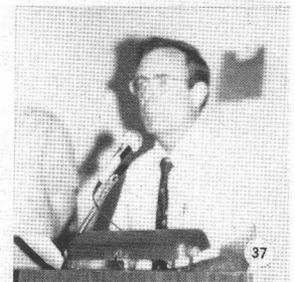
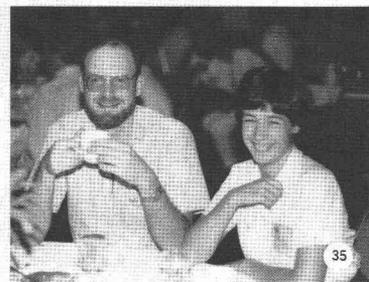
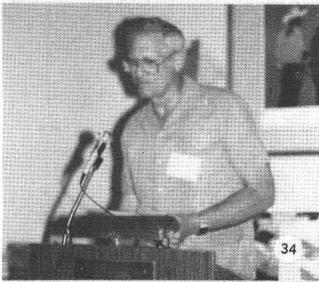
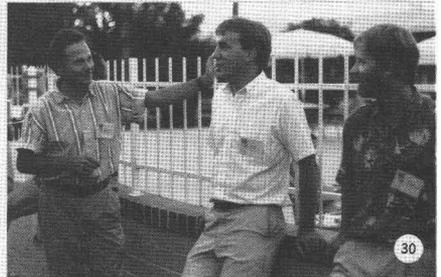
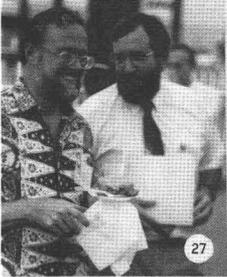
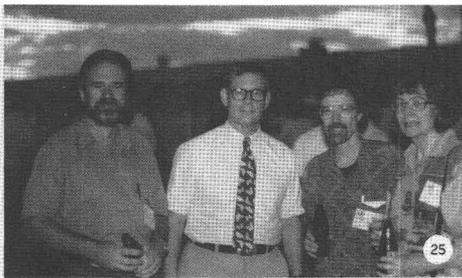
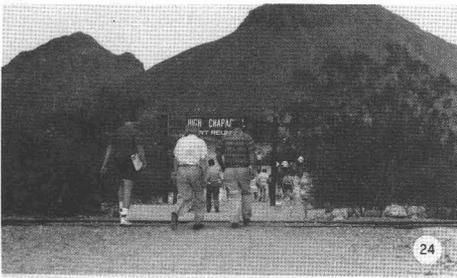
RESEARCH FOIBLES

In 1979 John Masters published his notorious "Natural laws governing Lepidopterists" (Bio-Pub. Services, Valencia, 6 pp.). Amongst these were Finagle's Laws of Information: "The information you have is not what you want. The information you want is not what you need. The information you need is not what you can obtain. The information you can obtain costs more than you want to pay."

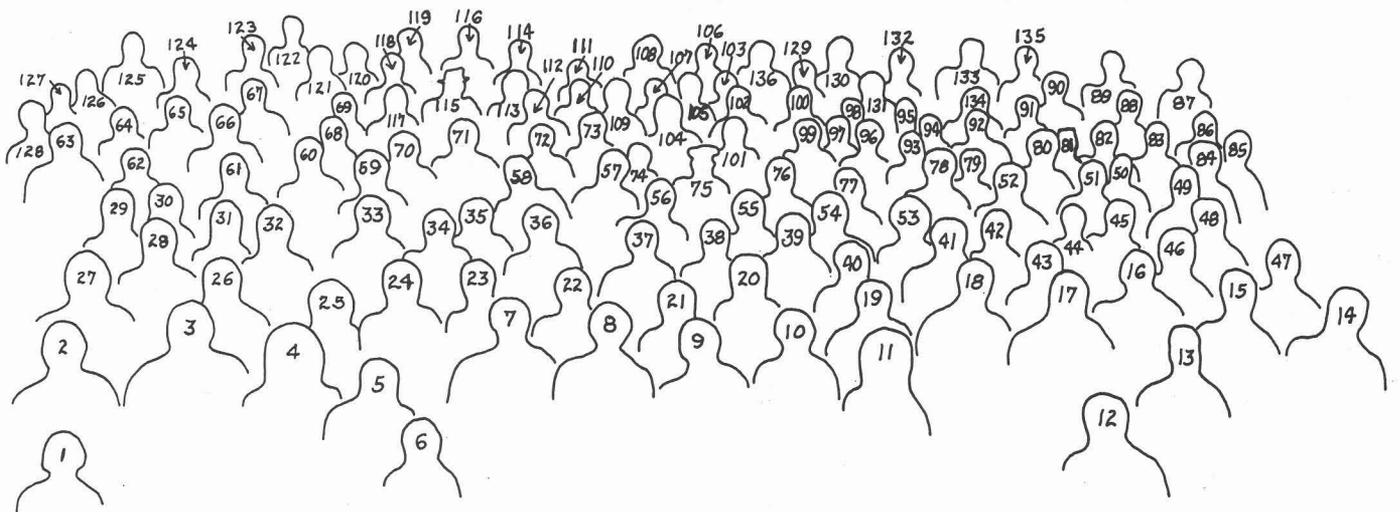
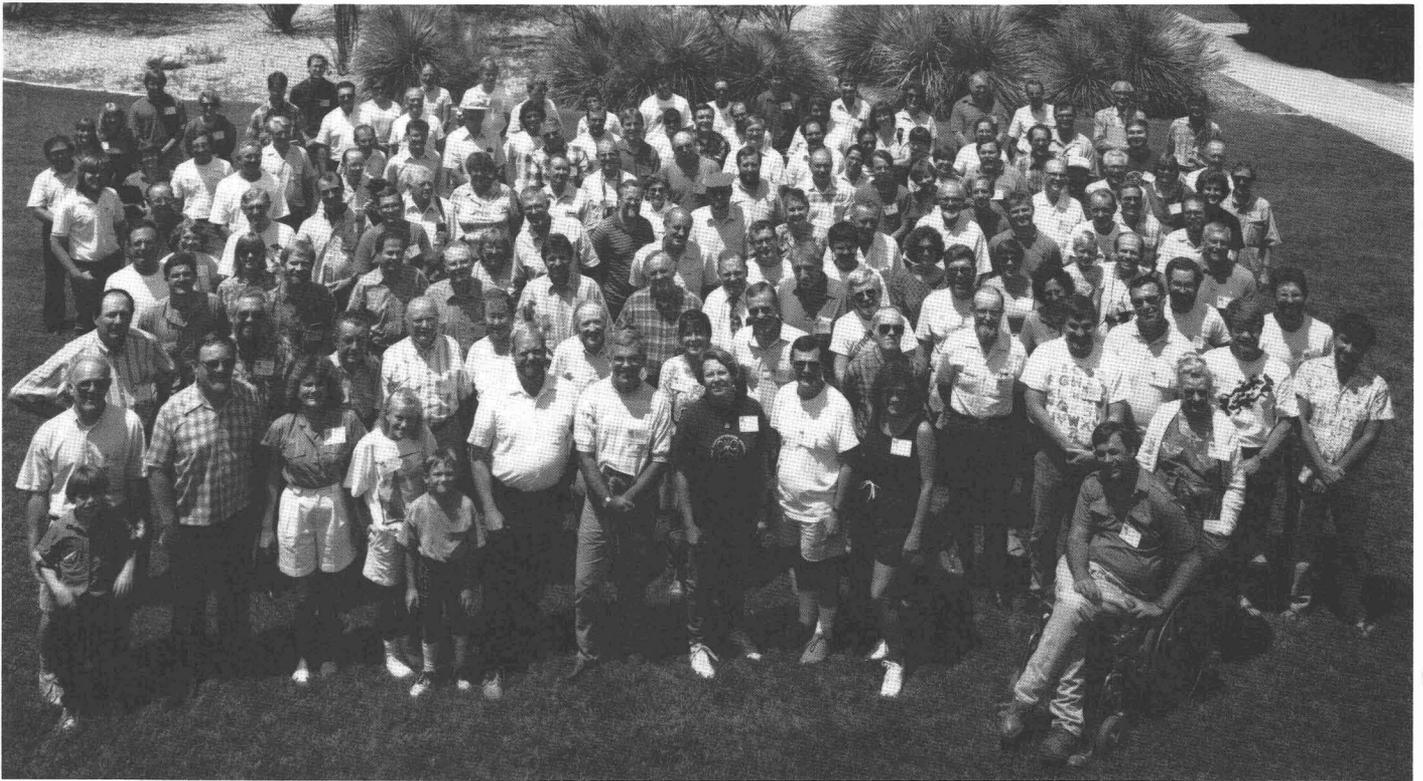
To this list I would add the following California Corollaries: Photocopy machines and computer terminals are modern-day gods. If you look long and hard enough, you will find your new idea already published. If Berkeley has it, it's probably in an off-campus library, off limits at Moffitt, or checked out. If UCLA has it, it's probably on the eleventh floor or across campus. For a given 15 page list of references, one-third will be found at Davis, another third can be found at Berkeley, Stanford, and UCLA, and the remaining third can be kissed off. Only Yale has Huang's (1943) "The Chinese Lycaenidae," and nobody has Le Cerf's (1913) "Contribution a la faune lepidopterologique de la Perse (cat. Rhopalocera)."

Oakley Shields
Mariposa, California

MORE CANDID PHOTOS FROM TUCSON: Identifications are from left to right. Photos by Charlie Covell. 24. Heading for the High Chapparal set on Fri. evening at Old Tucson; 25. Olaf Mielke, Charlie Covell and John and Sarah Burns; 26. Youngsters ogling the door prize bounty; 27. Jeremy Holloway and John Rawlings; 28. Jim and Glenna Mori and Vi and Bill Swisher; 29. Nancy Jacobson, Doug Ferguson and Charlie Covell; 30. Mark Sanderford, James Adams and Bill Conner; 31. Part of the crowd at Old Tucson; 32. Ron and Jeanne Leuschner; 33. Part of the banquet crowd; 34. Ron Leuschner presents the presidential address; 35. Scott Miller and Susan Welles; 36. David Hawks becomes the first-time recipient of the Clench Award, presented to him by Pres. Leuschner; 37. Ray Stanford presenting the Pacific Slope section Comstock Award for the Man We Honor, Fred Thorne; 38. The door prize committee, Marisa Davis, Charlie Covell, Adie Brown and her brother, Steven Davis and Katherine Covell; 39. Dave Winter gets his door prize from Marisa Davis; 40. Katherine Covell hands a door prize to Linda Fink; 41. Steve Prchal making announcements; 42. John and Tom Emmel; 43. Ron Robertson; 44. John Lane, the Resolutions Committee; 45. New President Floyd Preston.



MORE TUCSON PHOTOS



GROUP PHOTO IDENTIFICATIONS: 1. Eric Jump; 2. Peter Jump; 3. Don Davis; 4. Mignon Davis; 5. Marisa Davis; 6. Steven Davis; 7. David Iftner; 8. John Peacock; 9. Stephanie McKown; 10. Eric Metzler; 11. Pat Metzler; 12. Steve Stone; 13. June Preston; 14. Noel McFarland; 15. Justin Schmidt; 16. Vernon Covlin; 17. Mike Toliver; 18. Dave Winter; 19. Cliff Ferris; 20. Kirby Wolfe; 21. Stacie Smoot; 22. Doug Ferguson; 23. Hazel Tilden; 24. Kent Wilson; 25. Bob Langston; 26. Raymond Neck; 27. Paul Opler; 28. Tom Kral; 29. Ray Stanford; 30. Ann Milner; 31. Kathy Burgess; 32. Bill Conner; 33. Mark Sanderford; 34. Bill Swisher; 35. Jeanne Leuschner; 36. Wayne Whaley; 37. Ray Nagle; 38. Rich Sobonya; 39. Philip Krutzsch; 40. Michael Collins; 41. Douglas Mullins; 42. Vicki Runquist; 43. Linda Fink; 44. Eric Mower; 45. Robert Mower; 46. Michael Plagens; 47. Brian Scaccia; 48. Don MacNeill; 49. Olaf Mielke; 50. Steve Prchal; 51. George Austin; 52. Paul Runquist; 53. Susan Borkin; 54. Chuck Harp; 55. Charlie Covell; 56. Ron Robertson; 57. Jeremy Holloway; 58. Ron Leuschner; 59. Dale Hoyt; 60. Don Hilton; 61. Paul Milner; 62. Bill Wheaton; 63. Chip Hedgcock; 64. Barbara Terkanian; 65. Steve Buchmann; 66. Mike Smith; 67. Tom Dooley; 68. Frank Hedges; 69. Irving Finkelstein; 70. Ray Albright; 71. Ann Albright; 72. John Vernon; 73. Stan Nicolay; 74. Lil Nicolay; 75. Scott Miller; 76. Jackie Miller; 77. Lee Miller; 78. Bill Miller; 79. Michael Wilson; 80. Floyd Preston; 81. Rich Bailowitz; 82. Clyde Gillette; 83. Sarah Burns; 84. Barbara Bickel; 85. John Burns; 86. Milford Lundgren; 87. Per-Olof Wickman; 88. Fay Karpuleon; 89. Ben Landing; 90. James Tucker; 91. John Lane; 92. Richard Fall; 93. Louise Fall; 94. Nancy Jacobson; 95. Susan Weller; 96. John Wilterding; 97. Alma Solis; 98. Adrienne Venables; 99. Fred Stehr; 100. Bob Robbins; 101. John Rawlins; 102. Vincent Lucas; 103. John Brown; 104. Jim Mori; 105. Hayward Spangler; 106. Jim Brock; 107. Poody Brown; 108. Andy Warren; 109. James Adams; 110. Pat Savage; 111. Jeff Slotten; 112. Lincoln Brower; 113. Steve Cary; 114. Kilian Roever; 115. Mo Nielsen; 116. Bengt Karlsson; 117. Charles Bergson; 118. Ben Ziegler; 119. Walt Zanol; 120. Mary Ann Damen; 121. Tom Turner; 122. Mark Klinger; 123. John Alcock; 124. Brenda Collins; 125. Ron Rutowski; 126. Carol Boggs; 127. Ann Hedrick; 128. C. S. Lin; 129. Bob Lederhouse; 130. Bruce Griffin; 131. Karen Oberhauser; 132. Jane Ruffin; 133. Karolis Bagdonis; 134. Janet Bardwell; 135. Tom Emmel; 136. John Emmel.

NEWS FROM EUROPE COLUMN ECLOSES

Mr. W. O. DePrins of Antwerpen, Belgium has agreed to be the editor of the new NEWS FROM EUROPE column which will appear frequently, beginning with this issue. His address appears on the back page in the Deadlines Section. He comes to us with many years of experience as an Editor of European entomological journals and/or newsletters and has served as Secretary to the Flemish Entomological Society since 1972 and Membership Secretary of the European Lepidopterists' Society since 1982. He was a primary school teacher for 22 years before 1990 when he became a Research Biologist for a firm



producing biological control products.

His lepidopterological interests are in the Rhopalocera and Microlepidoptera (especially leafminers and Pyralidae) from the western Palaearctic region. He has travelled through almost all of Europe and also Morocco, Tunisia and Turkey. He has almost 50 publications to his credit, including descriptions of 4 new species. He is a member of around 15 European entomological societies and has an extensive collection of lepidoptera plus a large private entomological library. We are pleased to welcome him to the Lepidopterists' Society.

NEW LEPIDOPTERA STAMP GROUP

At the Annual Meeting in Tucson, the Philatelic Lepidopterists of America was organized. The purpose of this group is to foster communication and stimulate interest among those interested in butterflies and moths on stamps. While primarily focused in the Western Hemisphere, they invite worldwide membership. The officers elected for the coming year are: President, Vincent Lucas; Secretary, Irving Finkelstein; Treasurer, Mike Rickard; and Quarterly Newsletter Editor, Charlie Covell. Dues were set at \$10.00 annually for United States members and \$12.00 US annually for anyone outside the United States. Anyone interested should contact Dr. C. Covell, Dept. of Biology, Univ. of Louisville, Louisville, KY 40292-0001 USA. Phone (502) 588-6771.

THE LEPIDOPTERISTS' SOCIETY LIBRARY: AN OVERVIEW

The Society library is part of, and is housed in, the Research Library of the Natural History Museum of Los Angeles County (900 Exposition Blvd., Los Angeles, CA 90007-4057). Society members not only have access to "our" journals, but to all other journals in the Research Library. Furthermore, the Research Library is part of the Inter-Library Loan (ILL) system, and can obtain copies, on behalf of Society Members, from virtually any journal or other reference book in a large number of U.S. libraries. Members have access to copy services of the Society and Museum libraries in one of two ways: (1) by placing an ILL request at your nearest member library (most college, university, and state libraries), or (2) by mailing your request directly to the LACM Research Library, making sure to identify yourself as a member of the Society (your request should be as explicit as possible: author, title of article, pagination, complete journal title—no abbreviations, year, volume, issue number, and name of an institution which has the journal, if known). You will be billed for costs incurred: ILL fee (if required) and xerography fee (minimum service charge of \$5.00, plus the preferential "staff" copy rate (as opposed to the higher rate for the general public). Certain items may not be copied due to copyright, rarity, or fragility restrictions. In some circumstances the actual volume may be loaned, subject to

the discretion of the Chief Museum Librarian, but ONLY to your participating ILL institution (not to an individual). The LACM Research Library is a public (but non-lending) library, open Tuesday through Friday, 10 a.m. to 4 p.m. Pacific time; telephone (213) 744-3387; FAX (213) 746-2999.

The LACM Research Library receives hundreds of serial titles from throughout the world, in the fields of life sciences, earth sciences, history, museology, natural history, etc. In addition to SHILAP mentioned above, the Society itself currently receives the following titles in exchange for our Journal and News (arranged in alphabetical order, by title):

Acta Entomologica Bohemoslovaca, Acta Zoologica Cracoviensia, Acta Zoologica Lilloana, Alexanor, Anales Zoologici Fennici, Annalen des Naturhistorischen Museums in Wien, Annales Zoologici, Atalanta, Australian Entomological Magazine, Beitrage zur Entomologie, Boletim da Sociedade Portuguesa de Entomologia, Bolletino del Laboratorio di Entomologia Agraria, Bollettino Associazione Romana di Entomologia, Brenesia, British Entomological and Natural History Society (Proceedings & Transactions), Bulletin de la Museum National de Historia Natural (Sec. A: Zoology) (Paris), Bulletin de la Societe Sciences Nat, Bulletin of the Allyn Museum of Entomology, Bulletin of the Amateur Entomological Society, Ciencias Biologicas (Univ. de Habana), Deutsche Entomologische Zeitschrift, Entomological News, Entomologisches Berichten, Entomologisches Nachrichtenblatt, Entomologisk Tidskrift, Entomologiske Meddelelser, Entomologist's Gazette, Esakia, Ethologie Insectes, Folia Entomologica Mexicana, Fragmenta Faunistia, Insecta Matsumarana, Journal of the Entomological Society of Iran, Keys for Identification of Polish Insects, Kontyu, Lambillionea, Lepidoptera, Linneana Belgica, Mitteilungen der Munchner Entomologische Gesellschaft, Monograph of Polish Fauna, Nachrichtenblatt der Bayerischen Entomologen, Notulae Entomologicae, Lozania, Nature Conservancy News, Polski Pismo Entomologiczne, Pubblicazioni del Centro di Entomologia Alpina e Forestale, Pubblicazioni dell'Istituto di Entomologia Agraria e Apicoltura, Revista Biologia, Revista de la Facultad de Agronomia (Maracay, Venezuela), Revue Entomologie de l'URSS, Suplementos do Boletim da Sociedade Portuguesa de Entomologia, Systematic Entomology, Tyo to Ga, Wasmann Journal of Biology, and Zeitschrift der Arbeitsgemeinschaft Osterreichischer Entomologen.

The Society receives a two-fold benefit from its exchange program. Not only do we obtain access to hard-to-find, obscure, and sometimes expensive journals, but our publications are placed at the disposal of our colleagues, who otherwise may not have known of our existence or who, through currency control regulations, may not be able to enter a direct subscription or membership. The Society's exchange program is an aggressive one, and we are always seeking new exchange partners. Suggestions for potential exchange candidates (with the complete name of the journal and mailing address of the business or other appropriate office) are always welcome, and should be directed to the Society Librarian, Julian P. Donahue (Natural History Museum, 900 Exposition Blvd., Los Angeles, CA 90007-4057, USA).

NEW JOURNAL ADDED TO SOCIETY LIBRARY

The Society has just begun receiving on exchange "SHILAP Revista de Lepidopterologia" (Vol. 18, 1990), published by the Sociedad Hispano-Luso-Americana de Lepidopterologia in Madrid, Spain. This volume, nicely printed on glossy paper, contains 10 articles in Spanish, German, and English, on the following subjects: redefinition of a Walsingham species of Mexican plume moth; description of three new genera and four new species of Neotropical Tortricidae; biology of Papilio cacticus in Colombia; a new species of Scythrididae from Algeria; a new species of Gelechiidae from Spain (with a splendid color plate); biogeography of butterflies on islands in the Gulf of Guinea (West Africa); Scythrididae of Spain, with three new species; first record of the arctiid Eilema interpositella in Europe; a list of Colombian species of Prepona represented in Colombian collections; and descriptions of four new species of Elachistidae from Europe (with a color plate). There are also several informative book reviews and general notices interspersed throughout the volume.

The Idalia Society of Mid-American Lepidopterists held their first summer fieldtrip of the season on June 7-9 at the Reis Biological Experiment Station on the Huzzard River near Steeleville, Missouri. Arrangements were made by Dr. David Ashley. There were 30 people in attendance. They not only found many butterflies and moths to collect but they also had the opportunity of canoeing on the Huzzard River.

Eleanor Adams of Liberty, MO and Rick, Luke and Carl Baker of Independence, MO plus Chris Hale, Steve McCall, Jeff Hawkins and "Sam" Webber of Cabool, MO and Father Sullivan of St. Louis, MO were among the collectors who reported the capture of 10 species of butterflies and over 56 species of moths. The catch of the trip was a *Sphinx kalmiae* captured by the Bakers. This is only the seventh record for this attractive sphingid in Missouri.

All who attended had a great time and were very grateful to Dr. Ashley for making possible this unique trip to the Reis Experiment Station in the Ozarks. More summer fieldtrips were also in the offing.

Marilyn Gottlieb-Koshland

From The Editor's Desk

June Preston



After a full summer of collecting, ranging from the North Slope of Alaska to the desert canyons near Tucson, it is good to be back at my desk. It took a whole day to go through the piles of mail that had stacked up in my absence, but at least it was all read and filed and the mechanics of getting this issue of The NEWS ready for the printer was soon under way.

For the past couple of years we have been hoping to have a NEWS FROM EUROPE column as a special feature for our many European members. We now have an Editor for that column. He is introduced on page 73, and the column itself also makes its debut in this issue. Both the NEWS FROM EUROPE editor and I welcome comments concerning this new feature.

It pleases me immensely to know that my successor as NEWS Editor will be Stephanie McKown. She will take over the tasks of editor with the Season Summary issue, NEWS #2, 1992. Because of the fact that NEWS #1, 1992 has to go to the printer before Christmas, I have agreed to work up that issue in addition to #6 for 1991. Please continue to send all material for the NEWS to me until December 1, 1991. All material received after that time will be sent to the new Editor.

Bob Pyle has asked me to print the following letter to help clear up a misunderstanding caused by a photo and caption in *National Wildlife* magazine which was printed without his approval of the caption or his permission to use the photograph.

Dear Editor:

Please help me correct a bad case of misrepresentation by printing this message to the membership of the Society. In the August-September issue of *National Wildlife* magazine, the lead article concerned butterfly conservation. Entitled "Rescuing Rare Beauties," it was written by Doug Harbrecht, White House correspondent for *Business Week*. With those credentials, the author obviously needed a lot of assistance. Paul Opler, Dennis Murphy, I and others helped him with the piece, and he got most of the facts straight, although the tone of the article is rather silly and exploitative ("So what is it about this bug (sic), anyway? For centuries, poets and scholars have been going gaga over Lepidoptera," the piece begins). Even so, the editors of *National Wildlife* should be commended for giving major emphasis to this vital subject, of such importance to us all.

However, readers of this mass-circulation serial were left with a very unfortunate impression from the caption of one of the accompanying photographs. The picture shows myself examining a *Colias* during one of my butterfly ecology

classes. The caption reads "A passionate advocate of butterfly conservation, Washington lepidopterist Robert Pyle suggests watching butterflies like birds, not chasing them through fields with a net." Since chasing after butterflies through fields with a net has always been one of my greatest pleasures, you can imagine my chagrin at reading this. It wouldn't matter, if it did not convey the impression that butterfly collecting is a matter of significant conservation concern, and that I oppose it on those or any other grounds. Such is not the case.

As friends, readers of my books, and members of the Xerces Society will know, I have never opposed collecting, and enjoy it myself — just how did the caption writer think I nabbed that sulphur, anyway? I am a strong promoter of sampling little-known groups and regions to improve our biogeographical and ecological knowledge, and I believe these activities are vital for conservation. I oppose only that collecting which stands to damage populations, and we all know that seldom occurs. In fact, the Xerces Society collecting policy, which I authored, is less restrictive than the Lepidopterists' Society Guidelines on Collecting. For twenty years I have worked to explain to doubters that the Xerces Society, and I, are concerned with habitat conservation and not collecting infringement. This caption has gone a long way toward reversing that effort, and I have already had mail expressing readers' disappointment.

The writer of the caption was probably aware of my books with butterfly watching in the title, and thought the caption was a fair and complimentary representation. If s/he had written that I promote butterfly watching alongside collecting, which I do for the many people who wish to enjoy butterflies but have no need or desire to collect, it would have been fine. In fact, I do more watching than catching these days, and I know many other lepidopterists who observe more now than they used to. It has its own rewards. But the caption was run without my approval (and the picture used without my permission), so I had no opportunity to clarify the impression. Mark Wexler, Editor of *National Wildlife*, has apologized sincerely and profusely. I'd like to think that in the future all captions will be checked with the same care as the text. In turn, I apologize for any opprobrium that this widely read mistake may bring down upon responsible collectors. Thank you for the opportunity to correct the slate.

Robert Michael Pyle
Gray's River, Washington



NEWS FROM
EUROPE

W. O. De PRINS

When I was first asked to act as an editor of a column "News from Europe" to be published in NEWS of the Lepidopterists' Society, I wondered what a column such as that should look like and what subjects it should contain. I am supposed to "submit periodic newsworthy items," as June Preston, the Editor of the NEWS wrote me. I have thought quite a long time about this task and especially about the word "newsworthy." What I find newsworthy could be described by somebody else as completely uninteresting, dull, boring and vice versa. However, starting and maintaining a column "News from Europe," might bring people with the same interests together, might enlarge the views of some narrow-minded lepidopterists and might in the long run even help to solve some taxonomic or distributional problems. Therefore, I would like to take up the challenge and go for it!

If I am to submit newsworthy items, I must have news and I must know what is newsworthy to you. So, write and inform me. Tell me what you want to read in this column and I shall try to gather the necessary information for you. My address is given on the back page of this issue in the paragraph following publication deadlines.

Maybe I could start by telling you something about the European lepidopterological situation, which is different in many respects from that of the U.S.A. Based on a very long tradition and connected with the peoples' cultural background, every country has, at the least, its own entomological society. Many countries may even have several such societies. And what is worse, in almost all of these countries different languages are spoken, which makes communication rather difficult most of the time. It is possible, however, to overcome these communication problems with English, German or French. But it is quite, if not completely impossible to get and read all the local, national and international entomological journals that are published in about 20 different languages!

Therefore, in 1977, a group of outstanding European lepidopterists founded the "Societas Europaea Lepidopterologica" (SEL), a European lepidopterological society. During the past decade, this society grew to about 650 members. The members have the opportunity to meet each other at the biennial congresses which are held in a different European country each time (the next Congress will take place in 1992 in Helsinki). The society publishes a quarterly journal Nota lepidopterologica and an irregular News bulletin with different topics on the life of the society. Official languages of the society are English, German and French and it is clear that, during the past years, communication between lepidopterists of very different origins has ameliorated a lot. The first tentative conversations at the first Congress amongst members who knew each other only from literature or from hyper-polite correspondence have changed into warm welcomes and friendly chats which can extend sometimes into the small hours...

May this newborn column evolve in the same manner! I am awaiting your reactions.



RUSSIAN LEPIDOPTERA EXCHANGES INVITED

A 29 year old amateur lepidopterist in Moscow, USSR has written to the NEWS in an attempt to establish some relationships with American colleagues. He would like to exchange common material from the USSR for common material from America.

He has a general collection of Holarctic Rhopalocera and Heterocera, including Arctiidae, Sphingidae, Saturniidae, Zygaenidae and Catocalinae plus some others including exotics. He is interested in artificial breeding, often doing research in the field and will collect beetles for exchange too. He makes long trips to the most interesting regions of the USSR every summer. He will gladly answer all correspondence. Please contact Andrew V. Timchenko, USSR, Moscow 113403, Vostryakovski pr. 17-4-153. Telephone 342-1905.

AMHERST COLLEGE APPOINTMENT

Richard A. Lent, formerly of Islip, NY has taken a position as Visiting Assistant Professor of Biology at Amherst College, where he will continue studies of butterfly and bird ecology and evolutionary biology. His new address is Biology Dept., Amherst College, Amherst, MA 01002, USA. Phone (413) 542-2184.

LOST MEMBER

Kirk Zufelt's mail is being returned from Orillia, Ont., Canada. He is/was a student at McMaster University with dues prepaid through 1992. If you know where he is, please notify Julian Donahue (address on back cover).

SOUTHERN LEPIDOPTERISTS' SOCIETY

The Southern Lepidopterists' Society is open to anyone with an interest in the lepidoptera of the southeast United States. A quarterly newsletter (Southern Lepidopterists' News) is published and regular meetings are held at various locations throughout the region. For additional information write to: Tom Neal, Secretary / Treasurer, 1705 N.W. 23rd Street, Gainesville, FL 32605.

RUSSIAN COMMERCIAL OPPORTUNITY

The small, recently established firm, RUSSIAN BUTTERFLIES, which raises butterflies and moths for sale and has other papered insects from various parts of the USSR, would like to establish contacts with those who can provide exchanges for tropical butterflies, equipment, and books. Those interested should contact Dr. Iliia N. Osipov, RUSSIAN BUTTERFLIES, Novogireevskaja 53-8, 111397 Moscow, USSR. Telex 411700 for BUTTERFLIES, BOX N 3081 or Telephone (095) 301-25-14.

1990 TREASURER'S REPORT

1.	Beginning Balance (1/1/1990)	\$104,809.71
2.	INCOME for 1990	
	Memberships	15,280.00
	Future Year Memberships	19,557.03
	Institutional Subscribers	1,520.00
	1991 Subscribers	3,760.00
	Air Mail	1,100.00
	Late Fees	130.00
	Undesignated Gift	379.00
	Color Illustrations Fund Gift	1,537.45
	Publications Fund Gift	248.00
	Sale of Books	1,813.50
	Sale of Back Issues	2,740.60
	Mailing List Rental	1,231.67
	New Life Members	2,500.00
	Sale of T-Shirts	748.40
	Page Charges	1,913.00
	Miscellaneous	342.00
	Interest	4,662.08
	Total	59,462.73
3.	EXPENSES for 1990	
	NEWS (#6, 1989)	1,382.06
	NEWS (#1-6, 1990)	11,411.72
	JOURNAL [Vol 43(4)]	7,781.36
	JOURNAL [44(1,2)]	15,418.13
	Printing	1,551.17
	Postage	1,525.05
	Publication Handling/Mailing	3,707.70
	Treasurer	360.25
	JOURNAL Editor	1,577.56
	Associate Secretary/Mailing List	413.45
	NEWS Editor	791.05
	Bank Charges	98.55
	Miscellaneous Expenses	1,327.91
	Total	47,345.96
4.	Special Account/Reserves Balances	
	Life Member Reserves	27,459.78
	Publication Fund	15,769.23
	Color Illustration Fund	2,131.66
	Income for Next Year	23,317.03
	Reserve for 1990 expenses to be paid in 1991	18,344.59
	Operating Fund	29,904.19
	Total	116,926.48

For comparison, the 1989 figures may be found in NEWS #5, 1990 on page 75.

Fay Karpuleon, Treasurer

NEED MAPS OR CHARTS?

It is now possible to obtain USGS maps, NOAA maps and Defense Mapping Agency maps and charts for use in planning trips, pinpointing collecting sites, etc. If interested, contact Gretchen S. Judd for prices and availability. First Frame Graphics, P.O. Box 2179, Easton, MD 21601. Phone (301) 820-5095 or 1-800-752-4481.

ICZN

The following applications were published on June 27, 1991 in Vol. 48, Part 2 of the Bulletin of Zoological Nomenclature. Comment or advice on these applications is invited for publication in the Bulletin and should be sent to the Executive Secretary, I.C.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, England.

Case No.

2292 *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (Geoffroy, 1762): proposed conservation of some generic names (Crustacea and Insecta)

I. M. Kerzhner, *Zoological Institute, Academy of Sciences, Leningrad 199034, U.S.S.R.*

Abstract. Geoffroy's *Histoire abrégée des insectes qui se trouvent aux environs de Paris* (1762) was rejected for nomenclatural purposes and placed on the Official Index in 1954 (Opinion 228). Many of the 59 new generic names proposed by Geoffroy are in current use and 16 names with authorship from Geoffroy (1762) have already been conserved and placed on the Official List. The purpose of this application is to conserve the following 24 additional names from Geoffroy (1762): Crustacea: *Asellus*; Hymenoptera: *Diplolepis*, *Eulophus*, *Urocerus*; Lepidoptera: *Pterophorus*; Coleoptera: *Altica*, *Anthrenus*, *Anthribus*, *Bostrichus*, *Cerocoma*, *Copris*, *Crioceris*, *Cryptocephalus*, *Diaperis*, *Galeruca*, *Gyrinus*, *Hydrophilus*, *Notoxus*, *Omalisus*, *Platycerus*, *Prionus*, *Ptilinus*, *Pyrochroa* and *Stenocorus*.

2737 *Brahmaea* Walker, 1855 (Insecta, Lepidoptera): proposed confirmation of *Bombyx certhia* Fabricius, 1793 as the type species

W. A. Nässig, *Zoologisches Institut der Universität, Siesmayerstrasse 70, D-6000 Frankfurt, Germany*
I. W. B. Nye, *Kilronan, The Avenue, South Nutfield, Surrey RH1 5RY, U.K.*

Abstract. The purpose of this application is to confirm that the nominal type species of the moth genus *Brahmaea* Walker, 1855 is *Bombyx certhia* Fabricius, 1793. Walker misidentified this species when describing *Brahmaea*, but the genus has been interpreted in the sense of *B. certhia* being the type.

LOGISTIC SUPPORT FOR COLLECTING IN MISSISSIPPI

The Mississippi Entomological Museum is conducting a survey of selected arthropod taxa in two unique and threatened habitats during the July, 1991 — July, 1992 period — the Black Belt Prairie in Eastern MS and the loessal hills that border the Mississippi-Yazoo Delta in Grenada Co., MS. The museum is providing a cabin in the loessal hills, a pop-up trailer, prearranged permission from public and private landowners, habitat information, and other logistic support to individuals who are interested in collecting in these areas.

The loessal hills are very rich botanically with an upland mesophytic forest providing a habitat for species characteristic of more northern latitudes and for those that are restricted to rich, undisturbed woods. More than 800 species of vascular plants have been found in the survey area, which has been partially protected from timber harvesting by the steep slopes and deep ravines. Aquatic habitats include seepage areas in ravines, a creek with extensive sandbars dissecting the hills, and the Yalobusha River with oxbow lakes and swamp forest habitats in the adjacent Delta.

The Black Belt Prairie once was one of the largest prairies in the eastern U.S., extending on the Cretaceous Selma chalk from north Mississippi to near the Alabama-

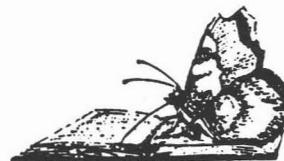
Georgia border. Although most of this prairie was lost to agriculture by the early 1900's, several small remnants, 150-500 acres each, have survived in natural condition, other than lack of fire and encroachment of junipers. The flora, which includes species of *Bouteloua*, *Silphium*, *Liatrix*, *Petalostemum*, *Blephila*, and other genera characteristic of prairie habitats, has flowering peaks in mid-June and mid-September. Five very good prairie remnants have been located within 30 miles of Starkville, MS. The arthropod fauna includes species that have not been recorded from east of Oklahoma/Texas and other species not recorded west of the Atlantic Coastal Plain.

Other unique and rich habitats in Mississippi include the coastal savannah, which has one of the largest densities of plant species in the U.S. (25 species/0.25 square m), the Ragland Hills (similar to Red Hills in southern Alabama), Jackson Prairie, which originated later than Black Belt Prairie, several bogs, and the bottomland forest between the Mississippi River and its levee.

The cabin in the loessal hills is located in the Malmaison Wildlife Management Area and will be available at no cost to interested researchers/collectors until July, 1992. The cabin has gas, water, and electricity, bathroom, two bedrooms with seven beds, refrigerator and range, and several work tables. The pop-up trailer, which can be loaned for use in other areas of MS, can be towed with any automobile having a ball hitch; the tent encloses two double beds and a work table.

In return for logistic support, the Mississippi Entomological Museum would like to obtain a list of species in the researcher/collector's specialty group or duplicate specimens that are collected in Mississippi. Please contact Dr. Richard L. Brown or Terry L. Schiefer, Mississippi Entomological Museum, Drawer EM, Mississippi State, MS 39762 [phone (601) 325-2085] for cabin/trailer reservations and additional information.

Books



NEW PUBLICATION: A Guide to the Clearwing Borers (Sesliidae) of the North Central States. Taft, W. H., Smitley, D. and Snow, J. W. April, 1991. NCR Publication #394.

This publication is intended for naturalists, horticulturists, nurserymen, and extension personnel who need a handy, color reference guide to this difficult to identify group of moths. The topics covered include: identification, host plants, pheromone attractants, trapping techniques, life cycles, flight periods, and economic importance. The guide includes 35 large color plates, six line drawings and three informational tables. Many of the clearwing moths covered in the publication have a geographic range that includes the eastern seaboard and deep south. For a copy, please write to: Publications Office, Cooperative Extension Service, Michigan State University, Room 10B, Agricultural Hall, East Lansing, Michigan 48824-1039 (Price \$7.50).

NEW BUTTERFLY BOOK AVAILABLE

Just published is History of Korean Butterflies and Japanese Endemic Butterflies (An analysis of the Geographical Distribution of Korean Butterflies), by Kim Choung Whan and Hong Sei Sun, 1991. Casebound, 433 pages. Contains descriptions, distribution maps, black-and-white photos of adults and some genitalia, and a checklist. Text in Korean; scientific names and checklist follow accepted Latin usage. Available for Korean equivalent of \$23 U.S. (postpaid). Order from Kim Choung Whan, Korea Institute of Energy & Resources, P.O. Box 5, Daedeok, Science Town, Daejeon, KOREA. C. V. Covell, Jr.

BUTTERFLIES 1992 WALL CALENDAR

Member Ann Swengel of Baraboo, Wisconsin has produced a calendar for 1992 using photographs of 12 different butterflies from the United States. Included in the calendar is a useful essay explaining how to watch for butterflies and how to plant a garden that attracts them. The calendar is 11" x 14", opening to 22" x 14" and retails for \$9.95 plus \$3.50 shipping and handling. It can be ordered directly from the publisher, Tide-mark Press, P.O. Box 280311, East Hartford, CT 06128-0311. MasterCard and VISA orders are welcome; call 1-800-338-2508. Wholesale inquiries also welcome.



Research Notices

● I am looking for specimens, photographs or data on the genus Perisama for an already well advanced revision of the genus to be published shortly. I need information and/or specimens from Venezuela, Colombia and Northern Peru. Pictures of females are welcome. All contributions of good data will be mentioned in the publication. Please contact Stéphane Attal, 68 boulevard Malherbes, 75008 Paris, FRANCE. Phone 33 1 42 93 99 44 or FAX 33 1 43 87 46 25.

● WANTED: Any specimens of Piruna Evens for study, especially from Mexico, Guatemala, Honduras, and Costa Rica. I am in the process of preparing a revision of the genus. All specimens will be identified and returned to sender. H. A. Freeman, 1605 Lewis Drive, Garland, Texas 75041, USA.

● The USDA APHIS Coöperative Agricultural Pest Survey is interested in records of the large yellow underwing, Noctua pronuba, a European immigrant into the Maritime Provinces in the 1980's. This species has the potential for becoming a new cutworm pest in the U.S. Specimens are likely to be caught in light traps from late June to early fall. Please send information on any occurrences to Dr. Craig Hollingsworth, Dept. of Entomology, Fernald Hall, University of Massachusetts, Amherst, MA 01003. He will, in turn, forward any information he receives, whether from Lep. Soc. members or not, to the Zone 10 coöordinator, for distribution to appropriate zone coöordinators, since this species is of particular interest to collectors.

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CORRECTIONS AND MINOR CHANGES TO THE 1990 MEMBERSHIP DIRECTORY

FINK, LINDA S.: change P.O. Box from "141" to "BF"
 PRIESTAF, RICHARD CARL: change ZIP Code to "93107-0001"
 SHESKIN, EUGENE P.: Phone (718) 891-8059

The Market Place

Buy • Sell • Exchange • Wants



Items submitted for inclusion in this section are dealt with in the manner set forth on page 9 of the Jan/Feb 1991 NEWS. Please note that in keeping with the guidelines of the Society, henceforth no mention of any species on any threatened or endangered species list will be accepted in these items. This will include all Ornithopterans now and for the foreseeable future. Items will be accepted from members only and will be printed only once unless entry in the maximum of two successive issues is requested. Please keep items short. A maximum of 100 words is allowed. SASE in an ad stands for self addressed stamped envelope.

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

FOR SALE: Pupae of A. polyphemus, C. promethea, C. regalis, H. cecropia, H. gloveri, H. euryalis and S. cynthia. Also chrysalids of Graphium marcellus, Papilio glaucus, and P. troilus. Send SASE for price list to Mark Schmidt, 8780 Red Lion—Five Points Rd, Springboro, Ohio 45066.

FOR SALE: Comstock's Butterflies of California, 1927. This is the black book with the butterfly on the front of the book. In good condition, all plates intact, no tears, no damaged pages. To be auctioned to the highest bidder. \$350 minimum. What are you willing to pay for it? ALSO FOR SALE: Big healthy pupae of Papilio indra fordii from the Granite Mtns, near Victorville, California. These should emerge in early 1992 after 2 months refrigeration. SASE for prices to Richard Priestaf, P.O. Box 14203, U.C.S.B., Santa Barbara, California 93107.

WANTED: Price lists and catalogues from breeders and dealers of worldwide lepidoptera and coleoptera. I am particularly interested in neotropical specimens. Please send lists to Olaf Malver, 6341 Longcroft Drive, Oakland, California 94611, USA.

FOR SALE: Monograph of the Sesiidae of America North of Mexico by W. Beutenmuller. 1901. Mem. Am. Mus. N. H. 8 color plates, bound, back strip missing. Send SASE for more information. ALSO FOR SALE: Light traps for use with 12 volt batteries or 120 volt AC, or both. Portable and light weight with 8, 15 or 22 watt bulbs. Beetle screen and rain drain. Excellent design and construction. For more information and pricing, contact: Leroy C. Koehn, 2946 N.W. 91st Ave., Coral Springs, FL 33065. Telephone (305) 344-3873.

FOR SALE: Butterflies from California, Arizona and Israel. ALSO FOR EXCHANGE: Bred Hemileuca nevadensis from southern California for all other species of Hemileuca except H. g. electra. SASE please. Bob Wuttken, 9506 National Blvd., Palms, CA 90034.

WANTED TO PHOTO: Live ova/larvae/pupa of Leps. from other areas. Most wanted: Papilios, Parnassius, Pierids, Nymphalidae: (Fritillaries esp. Anaea sp., Marpesia petreus, Admirals, A. bredowii, Hypol. missippus, Anartia jatrophae, Angle wings, Eunica), Lycaenids, Hel. Julia, Spinxes, Thysanis zenobia, Ascal. odorata, Saturnids and more, Arachnids, and interesting insects etc. I'll buy, trade or send slides as available. Send your lists. I'll send mine. David Liebman, 981 S. Quail Street, Norfolk, Virginia 23513. Phone (804) 853-4772.

WANTED: Back issues of "Papilio International" journal. Photo copies acceptable. Will purchase or trade for specimens. ALSO WANTED: Live or preserved pupae (or exuviae) of papilionids from Indo-Australia region, South America or Europe. FOR EXCHANGE: I will have fresh specimens of P. aristor, Gr. zonaria & P. machoanides from the Dominican Republic. Will exchange for papered specimens of Gr. meeki, Gr. mendana, P. godefroyi or P. schmeltzii. M. Schenck, P.O. Box 3244, Newport, Rhode Island 02840, U.S.A.

EXCHANGE — Leps from Texas for Leps in your area. Contact Charles Bordelon, 150 N 7th, Beaumont, Texas 77702.

AVAILABLE FROM THE AUTHOR: A Field Guide to the Moths of Eastern North America (Peterson Field Guide No. 30, 1984), second printing, with most errors corrected and 10 overly dark plates improved. Paperback, \$14, postpaid (surface mail). Charles V. Covell, Jr., Dept. of Biology, Univ. of Louisville, Louisville, KY 40292 USA.

FOR TRADE: Ex-ova adults of Automeris louisiana for other Automeris species (including neo-tropical) or interesting beetle specimens or special larger moths. Michael Lefort, Rt 1, Box 31A, Galliano, LA 70354.

FOR SALE: Two sets of colored plates from Comstock's original Butterflies of California, a few plates lacking. Also Kudrna's Butterflies of Europe, Vol. 8, Conservation (new) and D'Almeida's (1966) Catalogo dos Papilionidae Americanos. All offers responded to. Oakley Shields, 6506 Jerseydale Rd., Mariposa, CA 95338, USA.

FOR SALE: Books and Periodicals on Entomology, etc. Many classic items by Woodhouse, D'Abrera, Comstock, Marsh, Swanepoel, Wynter-Blythe and others. Fine long runs of many important periodicals and Society Journals, etc. Please send 1 dollar cash for list and to cover postage. R. N. Baxter, 45 Chudleigh Crescent, Seven Kings, Ilford, Essex IG3 9AT, England.

FOR EXCHANGE: Pupae of Papilio machaon hispanicus and Charaxes jasius. Interest: ova-pupae of Sphingidae. Please contact: Miguel Ginés Muñoz Sariat, Cuesta de San Antonio nº 29, 1º izq. 18011-GRANADA, SPAIN.

FOR SALE: Cocoons and living pupae of the following saturnids - Hyalophora cecropia, H. cecropia x H. gloveri hybrid, H. euryalis x (H. euryalis x H. gloveri), Samia Cynthia, Actias luna, Antheraea polyphemus, A. pernyi, Eacles imperialis, Citheronia splendens, C. regalis and some others. SASE to Jeff Frey, 364 Oaklyn Rd, Lebanon, PA 17042 or phone (717) 272-6597.

WANTED: A Field Guide to the Butterflies of the West Indies by Norman D. Riley, published by Collins, St. James Place, London. FAX responses to Phil Neis, 809-946-5390, Providenciales, Turks and Caicos Islands, British West Indies.

FOR EXCHANGE: Butterflies and moths from Spain for exchange with interested people from other countries. Manuel Carrasco Gonzalez, Bda. Andalucía, Bloque, 5-5°C. 11540 San Lucar de Barrameda, Cadiz, Spain.

FOR SALE: BUTTERFLIES OF THE EASTERN UNITED STATES AND CANADA WITH SPECIAL REFERENCE TO NEW ENGLAND, Vol. III, 1889, appendix and plates. Scudder. Sell or will accept as partial payment BEAUTIFUL BEETLES OF THE WORLD 1970, Tomanuki, K., INSECTS OF SOUTHERN AFRICA 1985, Scholtz, C. H. and E. Holm, or any of volumes 3, 4, 5, 6, 7, 9, or 10 of THE BEETLES OF THE WORLD 1983-1989. Also to exchange: A few A+ specimens of Papilio joanae from the type locality. Will exchange for large exotic Coleoptera or leaf insect species (Phyllidae). Also other choice midwestern butterflies including Phaestrymon alcestis, Fixsenia ontario, Speyeria idalia, Euphydryas phaeton ozarkae, Enodia creola, Problema byssus kumskaka, Atrytone arogos lowa, Hesperia metea, Hesperia ottoe and many more. Richard Heitzman, 3112 South Harris Ave., Independence, Missouri 64052-2732 USA.

FOR SALE: Pupae of: Mimas tiliacae, Dellephila elpenor, Tyria jacobaeae, Dasychira pudibunda, Araschnia levana, Vanessa atalanta, Inachis io, Polygona c-album, Aglais urticae. Egg-masses of: Lymantria dispar, Orgyia antiqua. Also seeds of European plants, please inquire. Send SASE to: Drs. W. de Rover, Kampheldelaan 19, B-2300 Turnhout, Belgium.

ATTENTION DEALERS & BREEDERS WORLDWIDE: Please send your price lists! Will consider all price ranges. I am interested in many species of Lepidoptera and various other exotic & unusual insects from worldwide locations. I have special interest for Indo-Australian Papilionidae; Morphidae, large Saturniidae, and many other beautiful or unusual small & large species worldwide. (Rare ones included.) As papered specimens or mounted in various settings, or living pupae or ova. Bob Brown, Road B-20, Rt. 2 Box 226-A, Mason City, Iowa 50401 USA.

MEMBER'S COMMERCIAL NOTICES

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DEADLINES: Material for the Jan/Feb issue should reach the NEWS EDITOR by Dec 1 of the previous year, and that for the Mar/Apr issue by Feb 15, for the May/June issue by Apr 1 and for the July/Aug issue by May 1, the Sept/Oct issue by Aug 15 and the Nov/Dec issue by Oct 15. Reports for the SEASON SUMMARY must reach the ZONE COORDINATORS listed on the front cover no later than the 5th of January. NEWS EDITOR is June Preston, 832 Sunset Dr, Lawrence, Kansas 66044-2373, USA. Phone (913) 843-6212. NEWS FROM EUROPE EDITOR is W. O. De Prins, Diksmuidelaan 176, B-2600 Antwerpen, Belgium. Phone 03/322.02.35 (from USA use 011/32.3.322.02.35).

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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, Fay H. Karpuleon, 1521 Blanchard, Mishawaka, Indiana 46544, USA, phone (219) 258-4893, the full dues for the current year, \$25.00 US, together with mailing address and a note about areas of interest in the Lepidoptera; student membership (must be certified) \$15; sustaining membership \$35; life membership \$500. Remittances must be in US dollars, payable to the Lepidopterists' Society. All members will receive the JOURNAL (published quarterly) and the NEWS (published bimonthly). A biennial membership directory will comprise the last issue of the NEWS in even-numbered years.

Changes of address (permanent ones only), Additions or Changes in Telephone Numbers or Areas of Interest and Information about Mailing List Rental: Contact the ASSISTANT SECRETARY, Julian P. Donahue, Natural History Museum of Los Angeles County, 900 Exposition Blvd, Los Angeles, California 90007-4057, USA.

Information on Membership and other aspects of the Society must be obtained from the SECRETARY, Dr. William D. Winter, Jr., 257 Common Street, Dedham, Massachusetts 02026-4020, USA. Home phone (617) 326-2634.

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

Manuscripts submitted for publication in the JOURNAL are to be sent to Dr. Boyce Drummond, EDITOR, JOURNAL of the Lepidopterists' Society, Natural Perspectives, P.O. Box 9061, Woodland Park, Colorado 80866-9061, USA. Phone (719) 687-6596. See the inside back cover of a recent issue of the JOURNAL for editorial policies.

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