

N E W S

Number 4

of the Lepidopterists' Society

1 June 1968

Editorial Committee of the NEWS

E. J. Newcomer, Editor

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ANNOUNCEMENT

of the 1968 Annual Meeting

The 19th Annual Meeting of the Lepidopterists' Society will be held June 15 - 18 at the Museum of Natural History in Washington, D. C. The program will proceed as follows:

<p>June 15 (Saturday)</p> <p>June 16 (Sunday)</p> <p>June 17 - 18 (Mon., Tues.)</p> <p>June 18 (Tuesday)</p>	<p>Registration 10 A.M.; Dept. of Entomology (701 Lamont St. N.W.).</p> <p>Open House 1 - 5 P.M.; Dept. of Entomology</p> <p>Field Trip</p> <p>Presentation of papers; Museum of Natural History, Room 45.</p> <p>Banquet (to be hosted by Smithsonian Institution), 7 P.M., Museum of History and Technology</p>
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Those planning to attend should note that the location of the meetings for June 15th has been changed. The Department of Entomology is situated approximately 2.5 miles north of the main Smithsonian complex and may be reached easily by bus or taxi. Accommodations during the meetings may be obtained by writing to the hotels or motels listed below. For those without a car, the Harrington Hotel is recommended because of its proximity to the Museums.

	<u>Daily Rates</u>	
	<u>Single</u>	<u>Double</u>
Harrington Hotel, 11th & E Sts. N.W., Washington, D. C. Phone NA 8-8140	\$9 - 12.50	\$12 - 15.50
Washington Hotel, 15th & Pennsylvania Ave. N.W., Washington, D. C. Phone ME 8-5900	\$15.75 - 18.00	\$20.50 - 26.00
Howard Johnson Motel, 2601 Virginia Ave., N.E., Washington, D. C. Phone 965-2700	\$16.00 - 18.00	\$22.00 - 24.00
Marriott Motor Hotel, Twin Bridges, US 1, 628-4200	\$17.00 - 20.00	\$23.00 - 28.00

The session on papers will commence with a Presidential Address by Mr. F. Martin Brown. The remainder of the first day and part of the second day will be devoted to discussions on polymorphism and will include invitational papers by Drs. H. B. D. Kettlewell, C. L. Remington, L. P. Brower,

M. G. Emsley, J. M. Burns and W. W. Watt. The second day will feature an invitational address by H. E. Hinton entitled "Respiratory systems of lepidopterous eggs as seen with the scanning electron microscope".

At some time during the meetings, possibly Monday evening, an informal session will be held to discuss the possibilities of initiating a cooperative project that would result in a synoptic catalogue of the American (i.e., New World) Lepidoptera. Anyone interested in such a project is cordially invited to attend.

PACIFIC SLOPE SECTION - - 1968 MEETING

The 15th Annual Meeting of the Pacific Slope Section of the Lepidopterists' Society will be held at the University of California, Berkeley, September 7 and 8, 1968. A varied program including topics of interest to collectors as well as reports on current research projects, is planned. Any member wishing to participate in the program should submit a title indicated for either a 20 or 40 minute presentation and send it to Dr. J. A. Powell, Department of Entomology, University of California, Berkeley, 94720, prior to July 15. Collections of the California Insect Survey will be available for study, and on-campus parking will be provided for all members. Details of the program will be mailed to Pacific Slope members and to any other members who request them, in August.

BACK VOLUMES OF THE NEWS AND THE JOURNAL CURRENTLY AVAILABLE FOR MEMBERS ONLY

The NEWS, 8 - 1/2" x 11" format, 9 nos. Litho-printed:

Year:	<u>1950</u>	<u>1951</u>						Price per Vol.
Vol.:	<u>4</u>	<u>5</u>						\$3.50

The NEWS, 6" x 9" format, Letterpress printed:

Year:	<u>1952</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	
Vol.:	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	\$6.00

The Journal, 6" x 9" format, Letterpress printed:

Year:	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1966</u>	
Vol.:	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>20</u>	\$6.00

Separates of "Recent Literature on Lepidoptera":

Volumes 2 through 20 available in duplicate for card filing	\$1.00
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SEND ORDER WITH PAYMENT (Postal Money Order or Check drawn on a bank within the United States) TO: Roy O. Kendall, Treasurer, The Lepidopterists' Society, 135 Vaughan Place, San Antonio, Texas, 78201.

NEW MEMBERS

ADLINGTON, John W.	2669 Arbutus Rd., Victoria, B. C., CANADA
ARONHEIM, Robert E.	47-57 Grand St., Waterbury, Conn., 06702, U.S.A.
BRINK, Peter K.	22526 Sleeper Ave., Mountain View, Cal., 94040, U.S.A.
DENBY, Miss Jeannette M.	1328 Ponce de Leon Ave., N.E., Atlanta, Ga., 30306, U.S.A.
EISELE, Rev. Robert C.	Pichanal, Provincia de Salta, ARGENTINA
HANKO, Val P.	3172 Emerson St., Palo Alto, Cal., 14609, U.S.A.
JACOBS, Marlon	125 Royleston Rd., Rochester, N.Y., 14609, U.S.A.
L'HEUREUX, David	304 W. Kenilworth Ave., Villa Park, Ill., 60181, U.S.A.
STUART, Rory	7th Floor, 239 Park Ave., So., New York, N.Y., 10003, U.S.A.
SUYDAM, Ray M.	235 Lincoln Ave., Ridgewood, N.J., 07450, U.S.A.

NEW ADDRESSES

CATLING, Paul M.	Apt. 13, 2368 Queen St. East, Toronto 13, Ont., CANADA
COOPER, Robert G.	108 Allaid St., #206, Sault Ste. Marie, Ont., CANADA
GATRELLE, Ronald R.	2820 Jarvis St., San Diego, Cal., 92106, U.S.A.
GROOTHUIS, Dennis	Box 73, Douglas, Wyo., 82633, U.S.A.
HALSCOTT, Kenneth R.	6351 - 5th Ave. S., St. Petersburg, Fla., 33707, U.S.A.
HARRINGTON, Peter Tate	% Mobil Oil Nigeria Ltd., 60 Broad St., Private Mail Bag 12054, Lagos, NIGERIA
KOHLER, Steven J.	1240 No. 54th St., Lincoln, Neb., 68504, U.S.A.
LINDSLEY, Dr. Dan L.	Dept. of Biology, Univ. of Calif. at San Diego, La Jolla, Ca. 92037, U.S.A.
MAKIELSKI, Mrs. Sally K. Ph.D.	Biology - Gilmer Hall, Univ. of Va., Charlottesville, Va., 22903, U.S.A.
McCOY, Dr. Clarence J., Jr.	Carnegie Museum, 4400 Forbes Ave., Pittsburgh, Pa., 15213 U.S.A.
MEYERS, Calvin H. Jr.	15 Lincolnshire Blvd., Tioga Co; Owego, N.Y., 13827 U.S.A.
MILLER, Mike E.	3315 Brownsboro Rd., Louisville, Ky., 40207, U.S.A.
SCHATZ, Larry	1917 Eastlake Ave., E., Apt. C, Seattle, Wash., 98102 U.S.A.
SHEPARD, Jon H.	Div. of Entomology, 201 Agriculture Hall, Univ. of Calif., Berkeley, Cal., 94720, U.S.A.
SLEETER, Ronald T.	105 Dallas, Washington, Ill., 61571, U.S.A.
WILSON, Kent H.	Biology Dept., Central State College, Edmond, Okla., 73034, U.S.A.

CORRECTION

Mr. Torbert's name was mis-spelled in the list of NEW MEMBERS in the 15 April NEWS. The correct entry is as follows:

TORBERT, Thomas Brian	C.U.Box 6155, No. Ariz. Univ., Flagstaff, Ariz., 86001 U.S.A.
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NOTICES

Lepidopterists' Society members may use this section free of charge to advertise their offerings and needs in Lepidoptera. The Editors reserve the right to rewrite notices for clarity or to reject unsuitable notices. We cannot guarantee any notices but all are expected to be bona fide. Notices should be sent to the Editor and should reach him at least two weeks in advance of publication date for any particular issue of the NEWS.

FOR SALE IN SEASON: Fertile ova of many species of butterflies and moths. Guaranteed viable. List on request. Duke Downey, Box 558, Sheridan, Wyo., 82801.

WANTED: Current price lists and all subsequent revisions from Society members having Lepidoptera (particularly Rhopalocera) for sale. Am in the process of compiling a consolidated list to be made available to the membership for use in locating particular specimens and sources at the best prices. J. R. Dalpis, 16 Scarsdale Drive, Camp Hill, Pa., 17011, U.S.A.

EMPLOYMENT: Society member with keen interest in all phases of natural science desires occasional employment by an institution as collector of Lepidoptera and other biological specimens anywhere in Latin America. Applicant speaks Spanish fluently and has had many months of experience in remote areas of Mexico and Central America. Excellent references furnished. Edmund H. Sallee, Latohatchee, Ala., 36047, U. S. A.

FOR SALE: Ova of *C. promethea* and *P. cynthia*, 30¢ per doz. plus 20¢ postage. Wm. J. Schibe, III, 516 Bowling Green, Moorestown, N.J., 08057, U. S. A.

FOR SALE: Altho "Butterflies of California" is now out of print, I can still supply bound sets of the 63 colored plates at \$8 per set. John A. Comstock, M.D., 1373 Crest Rd., Del Mar, Cal., 92014, U. S. A.

FOR SALE: Assortments of butterflies, moths and other insects from Yucatan and Quintana Roo; glassine envelopes in convenient sizes and living scorpions and tarantulas in season. Write for price lists of specimens and samples of envelopes. Eduardo C. Welling M., Apdo Postal 701, Merida, Yucatan, MEXICO.

FOR SALE: The beautiful and large green and pink sphinx moth, *Deiliphila nerii*, from Africa, \$1 postpaid. Additional specimens 60¢. Send for list. David W. Bouton, Box 204, Davenport, New York, 13750, U. S. A.

FOR SALE: "Elefant" brand insect pins, \$4 per thousand, original "Karlsbader" pins from Germany, \$4.95 per thousand. Write for quantity discounts. Robert B. Hewitt, 928 - 46th St., Sacramento, Cal., 95819, U. S. A.

WANTED: W. T. M. Forbes' Lepidoptera of New York, especially vol. 1, on microlepidoptera. Also want Hesperioidea of North America by Lindsey, Bell & Williams (1931) and other revisions and monographs of North American macros and micros. Also vols. 1 - 13 of the Lepidopterists' News. Will buy or I have *Chlosyne fulvia*, *Callophrys macfarlandi*, *Philotes spaldingi* and *rita coloradensis*, *Papilio bairdi* (few), etc. for exchange. James A. Scott, 60 Estes St., Lakewood, Colo., 80226, U. S. A.

FOR EXCHANGE: Butterflies of Japan. Will exchange for any kind of butterfly in the world, (especially southeast Asia or South America). Toshihiko Taki, 59 Shimotorida-cho, Murasakino Kita-ku, Kyoto, JAPAN.

NORTH AMERICAN ANNUAL SUMMARY FOR 1967
(Continued)

ZONE VIII: The Far North

Coordinator: Lee D. Miller. Contributors: Betty Anne and Kenelm W. Philip and George Schirmer.

ALASKA: Another magnificent report by the Philips compensated for the shortage of information this season. They collected within 150 miles of Fairbanks and submitted a very detailed record of their activities. Unfortunately not all of this report can be reproduced here. One definite and one probable range extension are reported. Incisalia polios previously had been recorded from Fort Yukon, but K. Philip took the first specimen in the Tanana valley at Goldstream Creek at Sheep Creek Road, about 11 mi. NW of Fairbanks on May 27, 1967. More specimens were taken later. The probable new record involves a Hesperia, probably manitoba, a species that is not uncommon in the Tanana and Yukon valleys -- previous records were from eastern Alaska. Most of their collecting was done at five localities: Tanana valley near Fairbanks (T), 29 April - 16 September, elev. 450 - 1300 ft.; Yukon valley near Central, Circle Hot Springs and some upper tributaries of Birch Creek (Y), 18 June and 15 July, elev. 600 - 2000 ft.; Eagle Summit (E), 18 June and 14 - 15 July, elev. 3800 - 4000 ft.; Murphy Dome, about 20 mi. NW of Fairbanks (M), 17 June and 1, 9 and 12 July, elev. 2700 - 2800 ft.; Ester Dome, about 12 mi. W of Fairbanks (Es), 10 July, 2200 - 2300 ft. Localities T and Y are below timberline, Canadian zone interspersed with some Hudsonian; localities E, M and Es are above timberline and primarily in dry tundra. The species recorded are: Hesperia, prob. manitoba (T, Y), Carterocephalus palaemon (T), Erynnis persius (T), Parnassius evermanni (E), Papilio machaon (T, Y, E, M), P. glaucus (T), Pieris protodice (E, M), P. napi (T, Y, E, M), Colias hecla (E), C. philodice (T, Y), C. gigantea (Y, T), C. palaeno (T, Y, E, M, Es), C. nastes (E), Euchloe ausonides (T), Incisalia augustinus (T), I. polios (T), Lycaena dorcas (T, Y), Lycaeides argyrognomon (T, Y, Es), Plebejus saepiolus (T), P. optilete (T, Y), Everes amyntula (T), Glaucopsyche lygdamus (T, M), Celastrina argiolus (T), Limenitis arthemis (T, Y, E, M, Es), Nymphalis antiopa (T), Polygonia faunus (T), P. gracilis (T), Phyciodes campestris (T, Y), Boloria napaea (E), B. selene (T), B. frigga (T), B. improba (E), B. polaris (E, M, Es), B. freija (T, E), B. titania (T, Y), B. chariclea (T, Y, E, M, Es), B. eunomia (T), Coenonympha mixturata (T), Oeneis taygete (E, M), O. jutta (T, Y), O. melissa (E, M), O. polixenes (T), Erebia disa (T), E. fasciata (E, M), E. discoidalis (T, E), E. youngi (E), E. epipsodea (T).

Pieris napi and Phyciodes campestris were both much commoner in 1967 than in 1966 below timberline. Oeneis jutta (below timberline) and Boloria polaris (above timberline) were both common to abundant in 1967, but absent in 1966, suggesting that these species are "odd-year" butterflies. (The Coordinator, incidentally, found both species common in 1957). O. polixenes was reported as common at 450 ft. elev., not above timberline as suggested by Ehrlich and Ehrlich.

YUKON: George Schirmer reports the following from Mayo Lake: Colias palaeno, 1 - 18 July; C. philodice, 22 June; Euchloe creusa, 1 - 7 June; Boloria frigga, freija and titania, July.

ZONE IX: THE NORTHERN NEOTROPICS. Coordinator, E. C. Welling M. Contributors: R. Holland, E. C. Welling.

GENERAL WEATHER CONDITIONS: Near normal for the Yucatan peninsula during the first

5 months, temperatures perhaps slightly lower than usual. No real heat felt until about May. During June, July and early August, in what should be the first half of the rainy season, rain was more or less lacking everywhere; not until late August did it begin raining, and then violently. This same pattern seemed to hold over the interior and north of Mexico. In September villages, fields and rivers flooded everywhere in interior Mexico and along both coasts (but not in the peninsula of Yucatan), causing much suffering and loss of crops. During September several hurricanes battered the coast, the worst being Hurricane Beulah which did widespread forest damage in northern Quintana Roo and Yucatan. Rains quieted down to normal about late October or November depending on the region.

MEXICO is the only country reported on for 1967. A state-by-state survey follows:

SONORA: Holland reports collecting in September north of Hermosillo, finding Anaea aidea, Myscelia cyananthe and Erynnis funeralis. Near Magdalena he found Ministrymon leda, Apodemia palmeri, Atlides halesus, Dymasias dymas chara, Hemiargus gyas and Hypostrymon critola. At Imuria, Eurema boisduvaliana was taken.

CHIHUAHUA: Holland reports extensive collecting in this state during August. Near Ciudad Jiménez, he found Pyrgus scripta, Danaus gilippus, Copaeoides aurantiaca, Chlosyne lacinia, Precis lavinia, Euptoieta claudia and Zerene cesonia. At El Sueco, he found Pholisora catullus, Dymasias dymas, Pyrgus communis, Eurema mexicana and nicippe, Cogia hippalus and Colias eurytheme. Near Parral, Staphylus vulgata, Phyciodes vetas, Hemiargus isola, Nathalis iole and others already mentioned were taken. Apodemia palmeri and C. aurantiaca were taken 100 kilometers south of Ciudad Juárez.

DURANGO: Holland reports finding Calephelis nemesis, Erynnis funeralis, Chlosyne cyneas, Colias eurytheme and Chlosyne lacinia at Rio Florida. Welling collected at several points near El Salto in the high mountains finding odd skippers, Neonympha spp., Phyciodes, etc., but by far the best locality was El Arroyo de los Mimbres, Mpio. Durango, where many temperate-zone species were found, such as Papilio philenor, Speyeria nitocris, Vanessa atalanta and virginiensis, Limenitis astyanax, Neonympha spp., Phyciodes spp., Phoebis spp., Anteos clorinda, Pieris rapae, Colias eurytheme, Gyrocheilus patrobas, Plebejus acmon, etc. Welling also found P. acmon near Vicente Guerrero.

SINALOA: Holland reports very extensively for this state, from three localities in the vicinity of Mazatlan, from late August to the 1st of September. Near Villa Union he found Battus polydamas, Lasaia sessilis, Mysoria affinis, Cybaeus syraes, Papilio pharnaces, Polygonus manueli among others of less interest. At Mazatlan Anaea pithyusa, Siderone nemesis, Pyrrhogyra hypsenor, Urbanus telex and procne, and Hamadryas feronia were found once again among other thorn forest species of lesser interest. At Copala, he found Anartia fatima, Euptychia hermes (?), H. feronia, Microtia elva, Calephelis spp., Hemiargus ceraunus-gyas, Pyrgus communis and syrictus, Eurema proterpia, daira, nicippe, boisduvaliana, Libytheana bachmanni and Euptychia fetna. About 19 species of butterflies so far unidentified were also taken, along with well-known thorn-forest species. Welling, collecting in Sinaloa during mid-September, had only mediocre luck and decided to do large-scale collecting elsewhere. In the northern part of the state near Guamúchil, butterflies were scarce and the terrain dryish. Near Culiacán butterflies were commoner but still not as expected, and it is suspected that perhaps the best of the season was past there. At Cosali, almost nothing was flying, and local people suggested October and November for good flights.

Best luck was near Mazatlán, where butterflies were swarming, but the variety of species was appalling, a few of the commonest Pierids and Nymphalids making up the great majority of the showing. Rain near Mazatlán apparently came unevenly as parts of the thorn-forest were new-green, while other parts were quite dryish. In the mountains of Sinaloa along the road to Durango, scattered localities were tried and most yielded interesting species but in small quantities. Best locality was Potrerillos, Mpio. Concordia, elev. 1600 m., where, among other things, Papilio garamus was taken. At Ixpalino, Welling spent several days exploring the forests and found Limnas cephise, Anaea amaryllis and several other things.

ZACATECAS: Welling collected Pieris protodice at several points in this state, and secured a fine series of Plebejus acmon near La Trinidad, Mpio. Pinos.

SAN LUIS POTOSI: Welling found best collecting at Altamira, Mpio. Zaragoza, elev. 2500 m., where strange skippers and larval evidence of P. acmon was noticed on lupines; here also was found Paramecera xicaque, in spite of evidence that the best of the season had passed.

HIDALGO: Welling, taking refuge from the tremendous September rains in the dry Mezquital valley at Itzmiquilpan, elev. 1700 m., found Pieris rapae, Limenitis astyanax, Danaus berenice, Papilio philenor and others. Most interesting was a hill nearby, Cerro Dexhitzo, El Maye, Mpio. Itzmiquilpan, elev. 2000 m., where several species of Papilio, many hairstreaks, nymphalids and best of all Anthocharis limona were hilltopping. Some days as many as 15 limona could be taken.

OAXACA: Welling collected two months at Candelaria Loxicha, elev. 500 m., and found rains regular with good flights of tropical species in the sub-equatorial forest pockets nestled among the foothills of the Pacific Ocean side of the Sierra Madre del Sur. Many Ithomiidae, Nymphalidae, Pieridae were taken, with lesser numbers of Papilionidae, Erycinidae, etc. Hairstreaks were almost absent, and blues were scarce. Caligo memnon was rare in spite of the better flights of other wet, tropical lowland species. At El Puerto del Rayo, Mpio. Candelaria Loxicha, elev. 1650 m., Pereute charops and Papilio garamus were seen but not taken. Other choice items taken were Hymenitis moschion, Pteronymia timagenes, Tithorea duenna, Taygetis weymeri, strange Satyridae, Dioriste tauropolis, Papilio photinus, etc. At Arroyo el Molino, Mpio. Suchixtepec, elev. 2300 m., Welling saw Papilio multicaudatus, Hesperocharis graphites, and collected a species of Actinota unrecorded for Mexico, among other things. At Miahuatlán, Morpheis ehrenbergii, Nymphalis antiopa, several Eurema spp., were taken with limited numbers of other species.

YUCATAN: Dryness apparently had no effect on local populations this year, as July proved to be a magnificent month, producing large numbers of just about everything.

QUINTANA ROO: Butterflies were not as common as might have been expected, however dry-season collecting in May provided many Papilio astyalus and one specimen of P. ornythion, large series of Graphium protesilaus, agesilaus, and philolaus.

Memoirs of the Lepidopterists' Society, Number 1 (Feb. 1964)
A SYNONYMIC LIST OF THE NEARCTIC RHOPALOCERA by
Cyril F. dos Passos

Price: Society members - \$4.50, others: \$6.00 postpaid (hard-cover binding \$1.50 additional)
Order from Society Treasurer.

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 (\$6.00 U.S.A.) together with their full address and special Lepidopterological interests. Remittances in dollars (U.S.A.) should be made payable to the Lepidopterists' Society.

Information on membership in the Society may be obtained from the Treasurer, Roy O. Kendall, 135 Vaughan Place, San Antonio, Texas, 78201, U.S.A. Changes of address should be sent to the Treasurer at this address. Please DO NOT send requests for membership or changes of address to the Editors of the NEWS or of the JOURNAL.

All members in good standing receive the NEWS of the Lepidopterists' Society which is issued eight times a year and which includes the biennial Membership List, and the JOURNAL of the Lepidopterists' Society which is issued quarterly.

Manuscripts for formal publication in the JOURNAL of the Lepidopterists' Society should be sent to the Editor of the JOURNAL, Dr. J. A. Powell, 122 Giannini Hall, University of California, Berkeley, California, 94720, U.S.A.

Items for inclusion in the NEWS should be sent directly to the Editor of the NEWS,
E. J. Newcomer, 1509 Summitview, Yakima, Washington, 98902, U.S.A.

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