

## RECENT LITERATURE ON LEPIDOPTERA

Under this heading are included abstracts of papers and books of interest to lepidopterists. The world's literature is searched systematically, and it is intended that every work on Lepidoptera published after 1946 will be noticed here. Papers of only local interest and papers from this *Journal* are listed without abstract. Readers, not in North America, interested in assisting with the abstracting, are invited to write Dr. P. F. Bellinger (Department of Biological Sciences, San Fernando Valley State College, Northridge, California, U.S.A.). Abstractor's initials are as follows:

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### B. SYSTEMATICS AND NOMENCLATURE

- Reisser, Hans, "Beiträge zur Kenntnis der Sterrhinae (Lep., Geom.) VI. *Sterrhia alicantaria* sp. n., eine neue Art der südspanischen Küstengebiete" [in German]. *Zeitschr. wiener ent. Ges.*, 48: 45–51, 1 pl., 4 figs. 1963. Type locality Alicante, S. Spain.
- Řezáč, Miroslav, "Zur Bionomie der *Argyresthia*-Arten auf mitteleuropäischen Obstbaumarten" [in German; Czech summary]. *Zool. Listy (Folia zool.)*, 12: 43–62, 12 figs., 2 col. pls. 1963. Life-history and taxonomic discussion of four spp. (*pruniella*, *cornella*, *albistria* and *mendica*). [J. M.]
- Riedl, Tadeusz, "Matériaux pour la connaissance des Momphidae (Lepidoptera) paléarctiques. Partie II. Sur quelques espèces des genres *Mompha* Hbn. et *Psacaphora* H.S. de la faune polonaise" [in French; Polish summary]. *Bull. ent. Pologne*, 33: 101–106, 5 figs. 1963. 3 spp. from Poland are recorded; descriptions & figures of genitalia. [J. M.]
- Riedl, Tadeusz, "Beitrag zur Kenntnis der paläarktischen Momphidae. I. *Sorhagenia rhamniella* (Zell.) und zwei neue europäische Arten der Gattung *Sorhagenia* Spul." [in German; Polish summary]. *Bull. ent. Pologne*, 32: 69–75, 8 figs. 1962. New species: *S. janiszewskae* (Wrocław, Poland) & *S. tolli* (Poland). Genitalia & imagines figured. [J. M.]
- Rindge, Frederick H., "A new species of *Melanchroia* (Lepidoptera, Geometridae) from Jamaica." *Jour. N. Y. Ent. Soc.*, 69: 142–144, 2 figs. 1961. Describes as new *M. venata* (Milk River Bath). [P. B.]
- Rindge, Frederick H., "A revision of the Nacophorini (Lepidoptera, Geometridae)." *Bull. Amer. Mus. Nat. Hist.*, 123: 87–154, 6 pls., 46 figs. 1961. Retains this tribal name, although *Nacophora* is sunk to *Phaeoura*. Describes as new *Betulodes euriceraea* (Zamora, Ecuador, 3,000–4,000 ft.); *Phaeoura kirkwoodi* (Pinery Canyon, Chiricahua Mts., Ariz.), *P. ianthina* (La Polvosa, Chihuahua, Mex.), *P. spadix* (?Acapulco, Mex.), *P. belua* (Southwestern Research Station, Cochise Co., Ariz., 5,400 ft.), *P. aetha* (Smoky Valley, Tulare Co., Calif.), *P. cana* (Camp Angelus, San Bernardino Co., Calif.); *Thyriniteina arnobia phala* (Chichen Itza, Yucatan), *T. unicornis* (Phoenix Park, Moneague, St. Ann Parish, Jamaica), *T. leucoceraea* (Hansa Humboldt, Santa Catherina, Brazil); *Holochroa dissociaria varia* (Gran Quivira National Monument, Socorro Co., New Mexico). Revision includes 22 spp. in these four genera; all are redescribed, and keys based on external characters & on genitalia of each sex are given. [P. B.]
- Rindge, Frederick H., "A synopsis of the genus *Nycteola* from North America, including a new species from Arizona (Lepidoptera: Noctuidae)." *Jour. N. Y.*

- Ent. Soc.*, 69: 203-206, 2 figs. 1961. Describes as new *N. fletcheri* (Southwestern Research Station, Cochise Co., Ariz., 5,400 ft.). Gives keys to the five North American spp., based on genitalia. [P. B.]
- Rindge, Frederick H., "Descriptions of and notes on North American Geometridae (Lepidoptera), no. 5." *Amer. Mus. Novit.*, no. 2065: 11 pp. 1961. Describes as new *Yermoia glaucina* (Morongo Wash, San Bernardino Co., Calif.), and reviews genus (including also *perplexata*). Redescribes *Itame abruptata*, n. comb. Transfers *Bombycia candida* from Thyatiridae to *Stenocharis*. Records *Olneya tesota* as foodplant of *Glaucina eupitheciaria lucida*. [P. B.]
- Rindge, Frederick H., "Notes on and descriptions of North American *Eupithecia* (Lepidoptera, Geometridae)." *Amer. Mus. Novit.*, no. 2147: 23 pp., 7 figs. 1963. Describes as new *E. phyllisae* (Horseshoe Springs Camp, 2 m. W. of La Cueva, Sandoval Co., New Mexico, 7,900 ft.), *E. hohokamae* (5 mi. W. of Portal, Cochise Co., Ariz.). Notes on 46 other spp., including additional distribution records, some new synonymy, & description of previously unknown sexes of *E. sperryi* & *E. sinuata*. [P. B.]
- Rindge, Frederick H., "A revision of the genera *Anavinemina* and *Vinemina* (Lepidoptera, Geometridae)." *Amer. Mus. Novit.*, no. 2172: 40 pp., 26 figs. 1964. Describes as new ANAVINEMINA (type *Tephrosia muraena*), *A. promuraena* (Popocatepetl Park, Mexico), *A. molybra* (Cerro Pelon, Municipio Yolox, Oaxaca, Mexico), *A. axicata* (Mexico City), *A. orphna* (Popocatepetl Park); *V. muraenata* (Totonicapán, Guatemala). 12 spp. are included in these two genera. [P. B.]
- Rindge, Frederick H., "A revision of the genera *Carphoides*, *Paraphoides*, and *Galenara* (Lepidoptera, Geometridae)." *Amer. Mus. Novit.*, no. 2189: 53 pp., 33 figs. 1964. Describes as new PARAPHOIDES (type *Tephrosia bura Druce*), *P. foeda* (Juan Vinas, Costa Rica, 1,400 m.), *P. vafra* (Jalapa, Mexico), *P. largifica* (Santa Rosa de Comitan, Chiapas, Mexico), *P. stulta* (Mo Cuou, Cerro Pelon, Municipio Yolox, Oaxaca, Mexico, 7,050 ft.). Redescribes the two other spp. of *Paraphoides*, three spp. of *Carphoides*, & nine spp. of *Galenara*. Third in a series of papers on genera near *Melanolophia*; spp. are found from the southwestern United States to Costa Rica. [P. B.]
- Rindge, Frederick H., "A revision of the genera *Melanolophia*, *Pherotesia*, and *MELANOTESIA* (Lepidoptera, Geometridae)." *Bull. Amer. Mus. Nat. Hist.*, 126: 241-434, 7 pls., 163 figs. 1964. Describes as new *Melanolophia modica* (Santa Cruz, S. Brazil), *M. vitta* (Petropolis, Brazil), *M. substriata* (Rio Negro, Colombia, 800 m.), *M. inatrata* (Region Chapare, Bolivia, 400 m.), *M. umbrosa* (Region Chapare), *M. piura* (Huancabamba, Peru), *M. producta* (Balzapamba, Bolivar, Ecuador), *M. vulsa* (Sierra del Libane, Colombia, 6,000 ft.), *M. rubrica* (Cayuga, Guatemala), *M. eudoxa* (Chapare, Bolivia), *M. e. simpla* (Cañon del Tolima, Colombia, 1,700 m.), *M. trisurca elongata* (Incachaca, Cochabamba), *M. vegrandia* (Balzapamba, Bolivar, Ecuador), *M. perversa* (Nueva Teutonia, Brazil), *M. triloba* (Jalapa, Mexico), *M. penicilla* (Zamora, Ecuador), *M. atrifascia* (Barro Colorado Is., Canal Zone), *M. homofascia* (San Esteban, Venezuela), *M. sadrina conara* (Muzo, Colombia), *M. sadrinaria* (San José, Costa Rica, 5,000 ft.), *M. imitata cana* (upper Santa Ana R., San Bernardino Co., Calif.), *M. flexilinea fragosa* (Puntarenas, Monte Verde, Costa Rica), *M. canadaria crama* (Lyons Farms, Union Co., New Jersey), *M. canadaria choctawae* (Clinton, Hinds Co., Mississippi), *M. signataria timucuae* (Pensacola, Florida), *M. imperfectaria solida* (Guadalajara, Mexico), *M. fimbriata* (El Volcan, Chiriqui, Panama), *M. parma* (Tuis, Costa Rica, 2,400 ft.), *M. pseudovallata* (Chapare, Bolivia), *M. reducta meridiana* (Oconeque, Carabaya, Peru, 7,000 ft.), *M. r. borea* (Cañon del Tolima, Colombia, 2,700 m.), *M. reductaria* (Aqualani, Carabaya, Peru, 9,000 m.), *M. dextera* (Sierra del Libane, Colombia, 6,000 ft.), *M. isoforma* (Monte Tolima, Colombia, 2,700 m.), *M. isometra* (near Loja, Ecuador), *M. attenuata* (Mt. Poas, Costa Rica), *M. synargilaria* (Chachapoyas, Amazonas, Peru), *M. venatia* (Rio Songo, Bolivia),

- M. elegia* (Vista Hermosa, Oaxaca, Mexico, 4,650 ft.), *M. mallea* (Chanchamayo, Peru), *M. bugnathos* (Yungas del Palmar, Bolivia), *M. b. contracta* (Balzapamba, Bolivar, Ecuador), *M. b. elaphra* (El Volcan, Chiriqui, Panama), *M. conta* (Chanchamayo, Peru), *M. minca* (Minca, Colombia, 2,000 ft.), *M. rima* (Muzo, Colombia), *M. semaricata* (La Merced, Peru), *M. paraconara* (Popayan, Colombia), *M. orthoconara* (Lino, Panama, 800 m.); *Pherotesia simulatrix* (Yuntas, near Cali, Colombia), *P. lima* ("Intaj," Ecuador), *P. ultrasimilis* (Coosnipata, Paucartambo, Cuzco, Peru), *P. lunata* (Sierra del Libane, Colombia, 6,000 ft.), *P. malinaria minuisca* (Volcan de Chiriqui, Panama), *P. falcis* (Popocatepetl Park, Mexico), *P. hamata* (Mo Cuou, Cerro Pelon, Oaxaca, Mexico, 7,050 ft.), *P. caeca* (Orizaba, Veracruz, Mexico), *P. bifurca* (Volcan Santa Maria, Guatemala); *MELANOTESIA* (type *Calospila*? *siderata* Dognin). The revision of this predominantly neotropical group of Ennominae includes 112 spp. & sspp. [P. B.]
- Roeber, Kilian, "Notes on *Erora* (Lycanidae)." *Jour. Lepid. Soc.*, 16: 1-4. 1962.
- Ross, D. A., "The Maple Leaf Cutter, *Paraclemensia acerifoliella* (Fitch) (Lepidoptera: Incurvariidae), descriptions of stages." *Canad. Ent.*, 90: 541-555, 38 figs. 1958. Describes morphology of early stages & adults. [P. B.]
- Rougeot, P. C., "*Limenitis populi* L. varie-t-il localement en France? (Nymphalidae)" [in French]. *Alexandor*, 2: 8-10. 1961. Description of *L. p. forezianus* (central France, Loire, Mt. Forez). [P. V.]
- Rougeot, P. C., "Lépidoptères attacides du Musée de Dundo (Angola)" [in French]. *Publ. cult. Comp. Diam. Angola*, no. 58: 143-154. 1962. List of 24 spp. or sspp. belonging to the Dundo Museum in Angola. One of these cited species is *Pseudantheraea imperator* Rougeot (p. 149). About the name of this species, the author writes: "Noteworthy male specimen (151 mm.) dedicated the 22nd of March, 1961 to the general de Gaulle, President of the French Republic." Two criticisms will be made: (1) it is a pity to see entomology and politics mixed; (2) it will be noted, about this dedication, two errors: (a) the indication of the dedication appears in a publication subsequent to that in which the species was described; (b) a name given in honor of President de Gaulle should be, according to the *Rules, gaullei*. [P. V.]
- Sala, Frank P., "The *Annaphila astrologa* complex, with descriptions of three new species." *Jour. Res. Lepid.*, 2: 289-300, 4 pls. "1963" [1964]. Describes as new *A. olgae* ("Arizona"), *A. pseudoastrologa* (above Seminole Hot Springs, Santa Monica Mts., Calif.), *A. vivianae* (Lower Kern Canyon, Kern Co., Calif.). Redefines *A. astrologa*. [P. B.]
- Sattler, Klaus, "Was ist *Gelechia trauniella* Zeller, 1868?" [in German]. *Zeitschr. wiener ent. Ges.*, 45: 92-93, 1 fig. 1960. Transfers sp. to *Caryocolum*, comparing it with *C. saginellum*; figures ♂ genitalia. [P. B.]
- Sattler, Klaus, "Neue Synonyme europäischer Gelechiidae" [in German]. *Zeitschr. wiener ent. Ges.*, 46: 30-31. 1961. Sinks *Lita nitentella* to *Scrobipalpa obsoletella*; *Gelechia decrepidella* to *Bryotropha desertella*; *G. nigrobipunctella* to *Lita solutella*. [P. B.]
- Sattler, Klaus, "On the synonymy of *Anacamptis populella* (Clerck) and *A. blattariella* (Hübner) (Lep., Gelechiidae)." *Ent. Gazette*, 12: 115-116. 1961. Sinks *betulinella* to *blattariella*, & *ambonella* to *A. p. fuscata*. Gives synonymy & references to figures. [P. B.]
- Sattler, Klaus, "Über *Mirificarma cabezella* (Chrét., 1925)" [in German]. *Zeitschr. wiener ent. Ges.*, 46: 86-88, 4 figs. 1961. Redescribes this sp. Lists foodplants of *Mirificarma* spp. [P. B.]
- Sattler, Klaus, "Zwei neue Arten der Gattung *Filatima* Busck, 1939 (Lep., Gelech.)" [in German]. *Deutsche ent. Zeitschr.*, N.F., 8: 117-120, 2 figs. 1961. Describes as new *F. angustipennis* (L'Argentiere, French Alps), *F. asiatica* (Alexander Mts.). [P. B.]
- Sattler, Klaus, "Der Wickler *Apotomis infida* (Heinrich, 1926) in Deutschland (Lepidoptera, Tortricidae)" [in German]. *Zeitschr. wiener ent. Ges.*, 47: 157-159, 6

- figs. 1962. Describes sp. & figures genitalia; new to Germany. Foodplant *Salix*. [P. B.]
- Sattler, Klaus, "Die Gattung *Xystophora* Heinemann, 1876 (Lep. Gelechiidae)" [in German]. *Deutsche ent. Zeitschr.*, N.F., 9: 325-331, 9 figs. 1962. Revision of genus, with key to the 3 spp.: *pulveratella* (= *steudeliella*, n. syn.), *carchariella*, & *psammitella*. [P. B.]
- Sattler, Klaus, "Zur Kenntnis der Gattung *Plagodis* Hübner, 1823 (Lepidoptera: Geometridae)" [in German]. *Zeitschr. wiener ent. Ges.*, 48: 25-32, 1 pl., 8 figs. 1963. Sinks *Anagoga* to *Plagodis*, following extended comparison of type spp., *P. dolabraria* & *A. pulveraria*; describes wild hybrid between these (figures in color of both spp. & hybrid). [P. B.]
- Sattler, Klaus, "Über *Telphusa canariensis* Walshingham, 1908" [in German]. *Zeitschr. wiener ent. Ges.*, 49: 88-90, 4 figs. 1964. Describes genitalia & assigns this gelechiid to *Streyella*. [P. B.]
- v. Schantz, Max, "*Eucosma danicana* n. sp. und einige dieser nahestehende *Eucosma*-Arten" [in German]. *Notul. Ent.*, 42: 1-8, 11 figs. 1962. Described from Maribo, Denmark; reared from *Picris*. Descriptive notes on *E. cana*, *E. fulvana*, *E. hohenwartiana*, *E. expallidana*, & *E. scorzonera*. [P. B.]
- Schnaider, Józef, Janina Schneider, & Zbigniew Schnaider, "Przezierniki—Aegeriidae" [in Polish]. *Klucze do Oznac. Owadów polski*, 27, part 37 (no. 34), 42 pp., 6 pls., 53 figs. 1961. See review in *Journal*, 15: 132.
- Schütze, Eduard, "Über einige nordafrikanische Eupitheciiden (Lep. Geom.) Eupitheciiden-Studien XIV" [in German]. *Deutsche ent. Zeitschr.*, N.F., 8: 147-151, 6 figs. 1961. Sinks *Eupithecia pseudoscriptoria* to *E. elissa*; describes genitalia & other features of *E. elissa*, *E. unitaria*, & *E. orana*. [P. B.]
- Schütze, Eduard, "Weitere Eupitheciiden aus Iran und Arabien (Lep. Geom.) (Eupitheciiden-Studien XVII)" [in German]. *Mitt. Münchner ent. Ges.*, 51: 58-71, 8 pls. 1961. Describes as new *E. inquinata* (Iran, Baluchistan); *E. (DELAEVERIA)* (type *E. gueneata*), *E. (D.) subscalptata* (Makran, SE of Nahu, 1,300 m., Persia), *E. (D.) albertiata*. Notes on 14 other spp. [P. B.]
- Schwarz, Rudolf, "Bestimmungstabelle der Scopariinae Mitteleuropas" [in German]. *Zeitschr. Arbeitsgen. österr. Ent.*, 15: 37-50, 15 figs. 1963. Keys to 23 spp. of *Scoparia* based on external characters and (except for 10 spp. of subgenus *Eudoria*) on ♂ genitalia; the first key includes notes on distribution, variation, & biology. [P. B.]
- Schwarz, R., & E. Nicolescu, "Morphologische, biologische und systematische Beiträge zur Kenntnis der Aegeriidae (Lepidoptera)" [in German]. *Zeitschr. Arbeitsgen. österr. Ent.*, 14: 42-47, 4 figs. 1962. Describes genitalia of *Aegeria apiformis*, *A. crabroniformis*, & *A. melanocephala*, & early stages of the first two. [P. B.]
- Schwingschuss, Leo, "Nachträge, Ergänzungen und Berichtigungen zur 'Lepidopterenfauna von Albarricin in Aragonien' von H. Zerny" [in German]. *Zeitschr. wiener ent. Ges.*, 47: 4-11. 1962. Describes as new *Agrotis (Rhyacia) elegans aragonensis*, *A. (R.) candelisequa zapateri*, *A. (R.) renigera hispanicola*; *Maestra (Polia) genistae caerulea*; *Polia (Antitype) dubia lutea*. Also names two "forms" of *Lithina convergata*. Notes on identity of 63 spp. (Noctuidae, Geometridae, Arctiidae, Zygaenidae) from Albarricin, Spain. The new entities are very superficially characterized; the publication of this paper from the author's manuscript, eight years after his death, is regrettable. [P. B.]
- Sheljuzhko, Leo, "Zur Kenntnis der *Pieris melete*-Gruppe" [in German]. *Zeitschr. wiener ent. Ges.*, 45: 4-13, 20-29, 36-51, 5 pls., 2 figs. 1960. Survey of geographic & seasonal variation in *P. melete* & *P. dulcinea*, which are good, separate spp.; names in this group are discussed and original & later descriptions repeated. Names an "ab." and a spring form of *P. m. orientis*. The involved synonymy is given in full. [P. B.]

- Sheljuzhko, Leo, "Zur Kenntnis der *Pieris melete*-Gruppe. Teil II. Nordliche Inseln: Sachalin (= Saghalien, Karafuto) und die Kurilen" [in German]. *Zeitschr. wiener ent. Ges.*, 48: 6-10, 51-64, 141, 5 pls., 1 map. 1963. Exhaustive review of *P. napi saghalensis*, *P. n. kurilina*, & *P. melete tomariana*, & supplementary note to first part (on *P. n. dulcinea* & *P. n. sichotensis*). [P. B.]
- Shepard, Jon H., "The genus *Lycaeides* in the Pacific northwest." *Jour. Res. Lepid.*, 3: 25-36, 1 pl., 1 map. 1964. Survey of *L. melissa* & the three races of *L. argyrognomon*; figures of representative specimens from localities in British Columbia & northwestern states. [P. B.]
- Sieder, Leo, "Eine neue Psychide aus dem Chelmosgebiet in Griechenland (Lepidopt., Psychidae). HELLENINAE subfam. nov. HELLENIA gen. nov. *culminella* spec. nov." [in German]. *Zeitschr. wiener ent. Ges.*, 46: 121-126, 1 pl., 2 figs. 1961. Type locality: summit of Mt. Chelmos, 2,355 m., Peloponnesus. [P. B.]
- Sieder, Leo, "Eine neue Psychide aus dem Gebiet der Gurktaler Alpen in Kärnten (Lepidoptera Psychidae)" [in German]. *Zeitschr. wiener ent. Ges.*, 48: 90-93, 129-130, 1 pl., 5 figs. 1963. Describes as new *Proutia breviserrata* (Fadenhöhe, 1,500 m., near Reichenau). [P. B.]
- Sieder, Leo, "Eine neue Psychide aus Nordostspanien (Lepidoptera Psychidae). *Brecontenia pinkeri* spec. nov." [in German]. *Zeitschr. wiener ent. Ges.*, 49: 69-72, 1 pl. 1964. Type locality Port Bou, Spain. [P. B.]
- Soffner, Josef, "Zwei neue Lepidopteren-Arten aus Bulgarien" [in German]. *Deutsche ent. Zeitschr.*, N.F., 9: 139-141, 5 figs. 1962. Describes as new *Euzophra nessebarella* (Nessebar, Black Sea Coast); *Semasia nessebarana* (Nessebar). [P. B.]
- van Someren, V. G. L., "Systematic notes on the associated blue-banded black *Papilio*s of the *bromius-brontes-sosia* complex of Kenya and Uganda, with descriptions of two new species" [in English; Portuguese summary]. *Bol. Soc. Estud. Prov. Moçambique*, no. 123: 63-78, 11 pls., 3 maps. 1960. Describes as new *P. brontes australis* (Tanganyika: Usambara Range), *P. teita* (Kenya: Wandanyi-Mabida, Teita Range); *P. interjecta* (Kenya: Kaimosi Forest). Discusses East African races of *P. brontes*, *P. bromius*, *P. sosia*, & *P. nireus*, with some descriptions & figures; holotype of *P. b. brontes* figured. [P. B.]
- van Someren, V. G. L., "A new *Charaxes* (Lepidoptera: Nymphalidae). *Proc. R. ent. Soc. London (B)*, 31: 44-46, 2 pls. 1962. Describes as new *C. kulal* (Kenya, Mt. Kulal, SE of L. Rudolf). [P. B.]
- Stallings, Don B., J. R. Turner, & Viola N. Stallings, "A new subspecies of *Agathymus mariae* from Mexico (Agathymidae)." *Jour. Lepid. Soc.*, 15: 19-22, 1 pl. 1961. Describes as new *A. m. micheneri* (15-20 mi. S. of Allende, Coahuila, 1,300 ft.).
- Stallings, Don B., J. R. Turner, & Viola N. Stallings, "Two new species and one new subspecies of Megathymidae from Mexico and Texas." *Jour. Lepid. Soc.*, 17: 81-88, 19 figs. 1963. Describes as new *Megathymus gayleae* (23 km. N. of Saltillo, Coahuila, Mexico, 4,200 ft.); *Stallingsia jacki* (Tuxtla Gutierrez, Chiapas, Mexico, 2,500 ft.); *Megathymus yuccae reubenii* (Hueco Mts., Texas, 5,300 ft.).
- Stallings, Don B., J. R. Turner, & Viola N. Stallings, "Notes on five Megathymidae." *Jour. Lepid. Soc.*, 18: 45-47. 1964.
- Stempffer, H., "Contribution à l'étude des lépidoptères Lycaenidae de l'Afrique équatoriale" [in French]. *Ann. Mus. R. Afrique centr.*, Tervuren, ser. in 8°, no. 94, 73 pp., 4 pls. 1960. Study on the Lycaenidae of equatorial Africa, with the revision of the genera *Pseuderesia* and *Syrmoptera* and descriptions of new species and subspecies: *Telipna katangae* (Belgian Congo, Katanga); *Ornipholidotos jacksoni* (Uganda, Sango Bay); *Pseuderesia eleaza katera* (Sango Bay), *P. beni* (N. Kivu, Beni), *P. rougeoti* (Gaboon, Tchibanga), *P. clenchi* (Cameroon, Bitje, Ja R.); *MIMERESIA* (type species: *Liptena libertina* Hewitson), *M. drucei owerri* (Nigeria, Owerri area), *M. russulus unyoro* (Uganda, Unyoro); *Liptena nigromarginata* nom. nov. pro *jacksoni* Stempffer, 1953, *L. ogojae* (Nigeria, Ogoja area); *Eresina pseudofusca* (Ghana, Kpandu), *E. jacksoni* (Uganda, Toro); *Toxochitona sankuru* (Belgian Congo, Sankuru); *Myrina sharpei fontainei* (Bel-

- gian Congo, Uele); *Syrmoptera bonifacei* (Cameroon, Mamfe); *Aphnaeus asterius ugandae* (Uganda, Masaka); *Pseudaletia nigra fontainei* (Belgian Congo, Sankuru); *P. lusambo* (Sankuru); *Anthea hobleyi kigezi* (Uganda, Kigezi); *A. h. teita* (SE Kenya, Voi); *A. musagetes jeanneli* nom. nov. pro *elgonensis* Stempffer; *Harpendyreus marlieri* (Kivu, Mt. Muhi); *H. argenteostriatus* (Mt. Muhi); *Eicochrysops fontainei* (Belgian Congo, Léopoldville). [P. V.]
- Stempffer, H., "Compléments a la révision des genres du groupe des *Iolaus* (Lep. Lycaenidae)" [in French]. *Bull. Inst. franç. Afr. noire* (A), 23: 88–101, 32 figs. 1961. A complementary note to the revision of the genera *Iolaus* group, with descriptions of many unknown females obtained by breeding; they are the neallotypes of: *Iolaphilus maritimus* Stempffer & Bennett (Kenya), *I. gabunica* Riley (Uganda), *Epamera tajoraca* (Somaliland), *E. bellina exquisita* Riley (Uganda), *E. gemmarius* H. H. Druce (Nigeria), *E. agnes* (Nigeria), *E. neavei katera* Talbot (Uganda), *E. dubiosa* Stempffer & Bennett (Tanganyika). Also describes as new *Iolaphilus henryi* (Uganda, Kigezi, Kayonza Forest), *I. maritimus usambara* (Tanganyika, Usambara Mts., Amani); *Epamera silanus alticola* (Amani). [P. V.]
- Stempffer, H., & N. Bennett, "Révision du genre *Pentila* Westwood (Lep. Lycaenidae)" [in French]. *Bull. Inst. franç. Afr. noire* (A), 23: 1098–1211, 146 figs. "1961" [1962]. Important revisionary study on the African genus *Pentila*, with some descriptions of new species and subspecies: *P. nyassana benguellana* (Angola, Calweha R.), *P. pseudorothea* (Brit. Cameroon, Mamfe), *P. umangiana fontainei* (Belgian Congo, Uele), *P. occidentaliu gabunica* (Gaboon, Azingo L.), *P. nigeriana* (Nigeria, Ogoja), *P. landbecki* (Belgian Congo, Upper Kasai Distr.), *P. carcassoni* (N. Nyasaland, Mkuwazi, forest reserve), *P. cloetensi ueleensis* (Belgian Congo, Uele), *P. camerunica* (Brit. Cameroon, Mamfe). [P. V.]
- Stempffer, H., & T. H. E. Jackson, "A note on the Rhopalocera of Bugalla Island, Sesse Isles, Uganda." *Proc. R. ent. Soc. London* (B), 31: 33–37. 1962. Stempffer describes as new *Deudorix* (*Virachola*) *lorisona sesse*, *Anthea sylvanus bugalla*, & *Thermoniphas togara bugalla*. List of 100 other butterfly spp. The islands have been isolated for less than 300,000 years; the spp., except for the three lycaenids, are similar to mainland spp. [P. B.]
- Štěrba, Vladimír, "Beitrag zur Kenntnis von *Pieris bryoniae* O. in den Westkarpaten" [in German]. *Zeitschr. wiener ent. Ges.*, 46: 130–134, 2 figs., 1 map. 1961. Further records of this sp. in Carpathians with discussion of variation & racial status. [P. B.]
- Sterzl, Otto, "Der Formenkreis von *Cidaria variata* Schiff." [in German]. *Ent. Nachrichtenbl.*, Vienna, 8, no. 8: 1–4. 1961. Review of morphological & biological characters of *C. variata*, *C. cembrae*, *C. obeliscata*, & *C. stragulata*. [P. B.]
- Sterzl, Otto, "*Lythria purpuraria* L. und *L. purpurata* L., zwei schwer unterscheidbare Arten" [in German]. *Ent. Nachrichtenbl.*, Vienna, 9, no. 8: 1–6. 1962. Distinguishes these two spp. & *L. plumularia*. [P. B.]
- Sutton, S. L., "South Caspian insect fauna 1961." *Ann. & Mag. nat. Hist.*, ser. 13, 6: 353–374, 1 pl., 8 figs. 1964. Describes as new *Meharia tancredii* (Meyan Kaley peninsula, N. Iran); *Oxytrypia stephania* (Firizkuh col., 7,000 ft., Elburz Mts., Iran). Discussion of *Rhodometra antophilaria* & related spp. Annotated list of Lepidoptera collected. [P. B.]
- Svensson, Ingvar, "Nordiska *Bryotropha*" [in Swedish; English summary]. *Flora og Fauna*, 68: 61–69, 37 figs. 1962. Describes all Scandinavian *Bryotropha*, with figures of wings & genitalia. [T. W. L.]
- Szabó, Richárd, "The forms of *Plebeius sephirus* Friv. in the Middle Danubian Basin" [in Hungarian; English summary]. *Folia ent. hung.*, s.n., 7: 29–39. 1954. Describes the Middle Danubian populations, of which two sspp. are described as new: *P. s. proximus* (Kolozsvár) & *P. s. kovacsi* (Fót). In the region of Deliblato in N. Yugoslavia lives *P. s. uhryki* Rebel. [J. M.]
- Szabó Richárd, "The lycaenids of Hungary" [in Hungarian; English summary]. *Folia ent. hung.*, s.n., 9: 235–361, 5 figs. 1956. Monographic study on Hungarian

- Lycaenidae with a number of new ssp. *Maculineaalcon curiosa* (Bükk Mts., N. Hungary); *Lycaeides argyrognomon argyropeza* (Hungary); *Plebeius sephirus foticus* (Fót); *Aricia agestis pelorion* (Hungary); *Lysandra thersites pergrata*; *Lycaena virgaureae pyronitens*, *L. dispar hungarica*, *L. hippothoe sumadiensis* (District Somogy), *L. alciphron cumanicus* (Peszér). Some of new ssp. without exact locality. In the English summary a short differential diagnosis only is given. Some results are confusing, e.g., *Maculinea arion* ssp. *vagula* n. and ssp. *animula* n. "cannot be separated geographically from each other." [J. M.]
- Tilden, J. W., "Certain comments on the subspecies problem." *Syst. Zool.*, 10: 17-23. 1961. Defends the use of this category, with examples of its value in Lepidoptera. [P. B.]
- Tilden, J. W., "An analysis of the North American species of the genus *Callophrys*." *Jour. Res. Lepid.*, 1: 281-300, 2 pls., 6 maps. 1963. Describes as new *C. lemberti* (West above Tioga Pass, Yosemite National Park, Calif.). Review of characters & distribution of the seven spp. of *Callophrys* (s. str.) in North America, & comparison of characters with those of *C. rubi*, *Incisalia augustinus*, *Mitoura siva*, & *Sandia macfarlandi*. [P. B.]
- Tilden, J., "Two species of Hesperidae previously unrecorded from the United States." *Jour. Lepid. Soc.*, 18: 214-216. 1964. *Vidius perigenes* and *Lerodea dysaules* in southern Texas.
- Tilden, J. W., "*Urbanus procne* and *Urbanus simplicius* (Hesperidae)." *Jour. Lepid. Soc.*, 19: 53-55. 1965.
- Tite, G. E., "A new species of the genus *Cacyreus* (Lepidoptera, Lycaenidae)." *Entomologist*, 94: 112-113, 5 figs. 1961. Describes as new *C. ethiopicus* (25 km. N. of Quiha, Ethiopia). [P. B.]
- Tite, G. E., "The *Lepidochrysops ortygia* complex (Lepidoptera: Lycaenidae)." *Entomologist*, 97: 1-7, 1 pl., 11 figs. 1964. Describes as new *L. oreas* (Simon's Town, Cape Province), *L. wykehami* (Kamieskroon, Little Namaqualand), *L. australis* (Caledon District, Cape Prov.), *L. methymna dicksoni* (Tygerberg Hills, Cape Prov.); redescribes *L. ortygia*. [P. B.]
- Toll, Sergiusz, "Glyphipterygidae, Douglasidae" [in Polish]. *Klucze do Oznac. Owadow polski*, 27, parts 39-40 (no. 16): 50 pp., 120 figs. 1956. See review in *Journal*, 15: 132.
- Toll, Sergiusz, "Micropterygidae, Eriocraniidae, Krótkowasy—Hepialidae" [in Polish]. *Klucze do Oznac. Owadow polski*, 27, part 2-4 (no. 29); 49 pp., 13 figs. 1959. See review in *Journal*, 15: p. 132.
- Toll, Sergiusz, "Studien über die Genitalien einiger Coleophoridae XV" [in German; Russian & Polish summaries]. *Acta zool. cracov.*, 4: 121-130, 7 pls. 1959. New spp. are described: *Coleophora zukowskii* (Upszar-Massiv, Pieniny Mts., S. Poland), *C. scabrida* (Ohrid, S. Yugoslavia), *C. s. polonica* (Czorsztyn, Pieniny Mts.), *C. macedonica* (Ohrid), *C. pseudodirectella* (Cracow, S. Poland). [J. M.]
- Toll, Sergiusz, "Tischeriidae" [in Polish]. *Klucze do Oznac. Owadow polski*, 27, part 6 (no. 30): 21 pp., 46 figs. 1959. See review in *Journal*, 15: 132.
- Toll, Sergiusz, "Studien über die Genitalien einiger Coleophoridae. XVIII (Lepidoptera)" [in German; Polish & Russian summaries]. *Ann. zool. Polska Akad. Nauk*, 19: 209-227, 44 figs. 1961. Describes as new *Coleophora namangana* (Naman-gan, Fergana), *C. fergana* (Margelan, Fergana), *C. impalella* (Krasnoarmiejsk), *C. paradoxella* (Amurland), *C. uralensis* (Uralsk), *C. kuznetzovi* (Kondara, Tadzhikhsk SSR), *C. gerasimovi* (Osh, Fergana). Compares last two with *C. tadzhikella*. [P. B.]
- Toll, S., "Studien über die Genitalien einiger Coleophoridae XX. Beschreibung neuer Coleophoridae aus Österreich, Bulgarien, Spanien und Portugal" [in German]. *Zeitschr. wiener ent. Ges.*, 46: 161-168, 23 figs. 1961. Describes as new *Coleophora glaseri* (Wolkersdorf, Hochleitenwald, Austria), *C. ochroflava* (Bulgaria), *C. soffneriella* (Bulgaria), *C. albarracinica* (Valdovcecar, Albarracin, Spain), *C. montei* (Montalegre, Portugal). [P. B.]

- de Toulgoët, H., "Description d'arctiides malgaches nouvelles (Lep.) (13<sup>e</sup> note)" [in French]. *Bull. Soc. ent. France*, 66: 39-42, 1 pl. 1961. Description of new arctiids from Madagascar: *Phryganopteryx viettei* (Nossi-bé); *Spilarcia pseudambrensis* (Ambre Mt.); *Fodinoidea pluto* (Ambre Mt.); and description of the ♀ of *Asota diastrophia* (A. E. Prout). [P. V.]
- de Toulgoët, H., "Description de Nolinae nouveaux de Madagascar (Lep. Arctiidae) (12<sup>e</sup> note)" [in French]. *Mém. Inst. scient. Madagascar, (E)*, 12: 191-206, 20 figs., 1 pl. "1961" [1962]. Descriptions of new Nolinae from Madagascar: *Roeselia nigromixtalis* (E. Madagascar, Perinet), *R. nudalis* (Integral Natural Reserve 3), *R. saalmuelleri* (Perinet), *R. medialis* (central Madagascar, Ankaratra Mts.), *R. erythralis* (central Madagascar, Betsileoland), *R. arcanalis* (E. Madagascar, Anosibe Road), *R. palpalis* (Betsileoland), *R. bilineatalis* (Anosibe Road), *R. rubiginosalis* (E. Madagascar, Ranomafana), *R. convexalis* (Betsileoland), *R. c. griveaudalis* (central Madagascar, Andringitra Mts.), *R. infuscatalis* (Ranomafana), *R. dilutalis* (Perinet), *R. rufomixtalis* (central Madagascar, Ampolomita), *R. mediolinealis* (Ampolomita), *R. vieui* (E. Madagascar, Moramanga), *R. funebralis* (E. Madagascar, Italaviana), *R. modestalis* (E. Madagascar, Andranomandevy), *R. paulianalis* (Moramanga), *R. inexpectalis* (S.W. Madagascar, Lambomakandro Forest); *Celama triangularis* (Perinet). [P. V.]
- Trehan, K. N., & D. K. Butani, "Life-history, bionomics and control of jowar stem-borer (*Chilo zonellus* Swinhoe). *Curr. Sci.*, 17: 127. 1948. Short note justifies full species status of *C. simplex* & *C. zonellus*; brief life history. [J. D.]
- Trehan, K. N., & Dharmo K. Butani, "Systematic position of *Chilo zonellus* Swinhoe and chaetotaxy of its larvae." *Indian Jour. agric. Sci.*, 20: 79-85, 3 pls. 1950. Find *C. zonellus* & *C. simplex* distinct, but believe only former occurs in India. [J. D.]
- Tremewan, W. G., "On some type specimens of the genus *Zygaena* Fabricius, including the lectotype selection of *Zygaena felix* Oberthür, Lepidoptera: Zygaenidae." *Ent. Rec. & Jour. Var.*, 74: 125-130, 1 pl. 1962. Notes on types of 14 names (including aberrations) with figures of 13. [P. B.]
- Tremewan, W. G., "A new subspecies and further records of the genus *Zygaena* Fabricius (Lepidoptera: Zygaenidae) from south-west France and Spain," *Ent. Rec. & Jour. Var.*, 75: 251-254. 1963. Describes as new *Z. occitana burgosensis* (Ona, Burgos, 2,000 ft.). Records of 20 other forms. [P. B.]
- Tremewan, W. G., "Notes on *Zygaena* species from south-west France and Spain with descriptions of three new subspecies (Lepidoptera: Zygaenidae)." *Ent. Rec. & Jour. Var.*, 75: 1-10, 1 pl. 1963. Describes as new *Z. ignifera diezma* (Diezma, Granada, 4,000 ft.), *Z. lavandulae huescae* (P. de S. Barbara, Huesca, 3,300 ft.), *Z. trifolii pajini* (Riano, Leon, 3,500 ft.). Notes on 28 other races belonging to 14 spp. [P. B.]
- Tremewan, W. G., "The type specimens of *Zygaena ledereri* Rambur and *Z. pennina* Rambur, Lepidoptera: Zygaenidae." *Ent. Rec. & Jour. Var.*, 75: 166-168, 2 figs. 1963. Former is ssp. of *Z. punctum* (n. syn.: *contamineoides*); latter is junior synonym of *Z. contaminei*. [P. B.]
- Tremewan, W. G., "The identity of *Zygaena algira* Boisduval, 1834 (Lepidoptera, Zygaenidae)." *Ent. Rec. & Jour. Var.*, 76: 35-36, 1 pl. 1964. North African sp., usually credited to Duponchel, was first described by Boisduval. Lectotype & genitalia are figured. [P. B.]
- Tremewan, W. Gerald, "The *Silvicola* Burgeff group of the genus *Zygaena* Fabricius (Lep. Zygaenidae)." *Ent. Rev. & Jour. Var.*, 76: 1-10, 46-54, 75-82, 1 map. 1964. Review of the characters & geographic variation in species of this palearctic group. Species included are *gallica*, *giesekingiana*, *mana*, *rjabovi*, *teberdica*, and the highly polytypic *nevadensis*, *romeo*, & *osterodensis* (*scabiosae* auctt.). Proposes *Z. romeo faitocola* n.n. for *Z. r. faitensis* Holik, preoccupied. Some new synonymy. [P. B.]