

RECENT LITERATURE ON LEPIDOPTERA

(Under the supervision of PETER F. BELLINGER)

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; omissions of papers more than 3 or 4 years old should be called to Dr. BELLINGER's attention. New genera and higher categories are shown in CAPITALS, new species and subspecies are noted, with type localities if given in print.

B. SYSTEMATICS AND NOMENCLATURE

- Nye, I. W. B., "A new species of *Amphipyra* from Madagascar (Lep. Agrotidae)" [in French]. *Rev. franç. Ent.*, vol.26: pp.50-52, 3 figs. 1959. Description of *Sciomesa biluma* (holotype from Tananarive), a species from the east and center of Madagascar. [P. V.]
- Nyström, Viking, "Macrolepidoptera from the Cape Verde Islands." *Comment. biol.*, vol.17, no.7: pp.1-36, 1 table, 1 map. 93 figs. 1958. Deals with the Papilionidae, Pieridae, Danaidae, Nymphalidae, Lycaenidae, Hesperidae, Sphingidae, Noctuidae, & Arctiidae collected by Prof. Håkan Lindberg & Samuel Panelius in 1953-54 (63 spp.). The male genitalia of a great number of the species are figured. Numerous of the Cape Verde species of the above groups of Lepidoptera are distributed over the continent of Africa and this indicates that the Cape Verde Islands should be referred to the Ethiopian region and not to the Palearctic. A number of the species are well known migrants with very wide distribution in subtropic areas. [W. H.]
- Obraztsov, N. S., "Characters separating *Archips rileyanus* and *cerasivoranus* as two species (Lepidoptera, Tortricidae)." *Ent. News*, vol.70: pp.263-267. 1959. Differences in adults, genitalia, & larvae are pointed out. [P. B.]
- Obraztsov, Nicholas S., "Notes on North American *Aphelia* species (Lepidoptera, Tortricidae)." *Amer. Mus. Novit.*, no.1964: 9 pp., 15 figs. 1959. Transfers *Tortrix allenana* to *Aphelia*; describes as new *A. a. rindgeorum* (Valley View Lodge, 10 mi. S. of Steamboat Springs, Routt Co., Colo., 7600 ft.), *A. koebeli* (Easton, Washington), *A. septentrionalis* (McKinley Park, Alaska). [P. B.]
- Obraztsov, Nicholas S., "On the systematic position of *Tortrix nigrivelata* (Lepidoptera, Tortricidae)." *Amer. Mus. Novit.*, no.1959: 6 pp., 5 figs. 1959. Erects *ECNOMIOMORPHA* for this Panamanian sp. [P. B.]
- Obraztsov, N. S., "Beitrag zur Klassifikation der mitteleuropäischen Olethreutinae (Lepidoptera: Tortricidae)" [in German; English & Russian summaries]. *Beitr. Ent.*, vol.10: pp.459-485, 8 figs. 1960. Describes as new *BLASTESTHIA* (type *Phalæna Tinea turionella*); *FRÆLICHIA* (type *Tortrix textana*); *PRISTEROGNATHA* (type *Sericoris penhinana*); *PSEUDOHERMENIAS* (type *Phalæna clausthaliana*); *CAPRICORNIA* (type *Carpocapsa boisduvaliana*); *PARACELYPHA* (type *Phalæna rivulana*); *CELYPHOIDES* (type *Tortrix flavipalpana*). Proposes *herrichiana* n.n. for [*Barbara*] *margarotana* H.-S., uninominal & therefore not available; resurrects *margarotana* Heinemann for *Gravitarmata retiferana*. Gives a generic key to the *Argyroproce* - *Olethreutes* complex, & discusses species groups within these two genera. [P. B.]
- Obraztsov, Nicholas S., "On the systematic position of two genera erroneously placed in the family Tortricidae (Lepidoptera)." *Journ. New York ent. Soc.*, vol.68: pp.21-26, 2 pls. 1960. Transfers *Syncamaris* to Copromorphidae & *Tapinodoxa* to Phalonidae; descriptive notes on type spp., *S. argophthalma* & *T. autonephes*, with figures of former. [P. B.]
- Obraztsov, N. S., & J. A. Powell, "Data on *DECODES*, a new North American cnephasiid genus, with descriptions of new species (Tortricidae)." *Journ.*

- Lepid. Soc.*, vol.14: pp.112-126, 3 pls. 1961. Type *fragariana* Busck. Powell describes as new *D. montanus* (Mt. Lowe, Los Angeles Co., Calif.), *D. johnstoni* (Mt. St. Helena, Napa Co., Calif.), *D. aneuretus* (Carmel, Monterey Co., Calif.), *D. bicolor* (Mt. St. Helena).
- Oku, Toshio, "Description of a new species of *Acleris* Huebner with notes on synonymy. (Notes on Tortricidae of Japan, I) (Lepidoptera)." *Insecta matsumurana*, vol.21: pp.74-76, 1 fig. 1957. Describes as new *A. issikii* (Sapporo; reared from *Populus* spp.). Sinks *Cacæcia teshionis* to *Archips adumbratana*, & *C. punicæ* to *A. fuscocupreana*. [P. B.]
- Olivier, R., "A propos de *Zygæna ephialtes* L. sub [sp]. *parisica* Reiss" [in French]. *Bull. Soc. ent. Mulhouse*, 1960: pp.78-80. Note on *Z. ephialtes* in Normandy; *parisica* is a synonym of *rubens* Verity. [P. V.]
- Orfila, Ricardo N., "Notas sobre Lepidoptera Saturnioidea. I. *NAMUNCURAIA mansosotoi* gen.n., sp.n. (Hemileucid., Dirphiin.)" [in Spanish]. *Mision de Estud. Patol. regional Argentina*, vol.22, no.80: pp.45-52, 10 figs. 1951. Type locality Tandil, Buenos Aires Prov., Argentina; larvæ, on *Eryngium*, produce local dermatitis in humans. [P. B.]
- Orfila, Ricardo N., "Notas sobre Lepidoptera Saturnioidea. II. Una especie nueva de *Hylesia* (Hemileucid.) dermatitogena de Venezuela" [in Spanish]. *Mision de Estud. Patol. regional argentina*, vol.23: pp.119-121, 1 fig. 1952. Describes as new *H. caripitox* (Caripito, Venezuela). [P. B.]
- Orfila, Ricardo N., & Nelida H. Rossi, "Nuevos nombres genéricos en Lepidoptera" [in Spanish]. *Rev. Soc. ent. Argentina*, vol.19: pp.27-29. 1956. Proposes the new names: *GATESCLARKEIA* (Chrysaugidae) to replace *Curicta* Walker, preoccupied (type *C. oppositalis*); *MICHENERIA* (Noctuidæ) to replace *Aræa* Hampson, preoccupied (type *A. attenuata*); *MOUREIA* (Noctuidæ) to replace *Meroleuca* Hampson, preoccupied (type *M. microglossa*). Points out that *Cogia* Butler (Hesperiidae) is preoccupied & must be replaced by *Caicella* Hemming. [P. B.]
- Orfila, Ricardo, & Sergio Schajovskoi, "Noctuidæ (Lep.) nuevos o poco conocidos del Parque Nacional Lanin, Neuquen" [in Spanish]. *Rev. Soc. ent. Argentina*, vol.20: pp.33-39, 1 pl. 1957. Describes as new *LANINIA* (Cuculliniæ, monobasic), *L. fletcheri* (San Martin de los Andes); *Epipsilia nelidæ* (Pucará). Sinks *E. ochricraspia* to *E. flavicosta*. [P. B.]
- Orfila, Ricardo N., "Notas sobre Lithosiidae (Lepid.). II. El genero *COSTALIMAIDA* nov." [in Spanish]. *Physis*, vol.21: pp.68-74, 1 pl. 1958. Describes new genus for *Cisthene triplaga* (type) & *C. itatiayæ*; redescribes spp. [P. B.]
- Orfila, Ricardo N., & Sergio Schajovskoy, "Geometridæ (Lepidoptera) del Parque Nacional Lanin (Argentina). I. El genero *LACARIA* nov." [in Spanish; English summary]. *Acta zool. lilloana*, vol.17: pp.197-216, 1 pl., 10 figs. 1959. Describes as new tribe LACARINI, based on *LACARIA*; the type species *L. araucanaria* (Pucará); *L. sperryi* (Lago Paimun), *L. picuncharia* (Pucará), *L. monrosi* (Pucará), *L. aczeli* (Pucará); all from Parque Nacional Lanin, Neuquen, Argentina, as is *Casbia schajovskyi* Sperry (emended spelling) which is also placed in *Lacaria*. Key to spp. [P. B.]
- Orfila, Ricardo N., & Sergio Schajovskoy, "Geometridæ (Lep.) del Parque Nacional Lanin, Argentina. II. El genero *Euclidiodes* olim (Ennominae)" [in Spanish]. *Rev. Soc. ent. Argentina*, vol.22: pp.7-33, 1 pl., 17 figs. 1960. Redescribes *Euclidiodes*, & type, *E. ophiussina*; assigns related spp. to other genera, as follows: *CATRIELIA*, type *agitata* (Bultner); *Proteopharmacis* Warren, type *P. valdiviata* (Felder & Rogenh.); *COIRONALIA*, type *cruciferaria* (Berg), including *C. denticulata* (Butler); *PUCARIAIA*, type *P. lizeri* n.sp. (Pucara, Parque Nacional Lanin). Key to genera; all spp. described & figured. [P. B.]
- Paclt, Jiří, "A protest against the atomizing of genera, with special reference to the Hepialidae (Lepidoptera)." *Syst. Zool.*, vol.6: pp.51-52. 1957. Sinks *Gymelloxes*, *Pfitzneriana*, & *Aplatissa* to *Æpytus*; *Xhoaphryx* to *Hepialiscus*. Complains of

- inadequate definitions & comparisons of new genera, & excessive reliance on ♂ genitalia. [P. B.]
- dos Passos, Cyril F., & Alexander B. Klots, "Proposal for the amendment of Article 21 of the *Règles* (i.e. Draft Article 22) so as to make its operation entirely objective in cases when a person other than the nominal author of the book or paper concerned is responsible for a name and its indication, definition or description." *Bull. zool. Nomencl.*, vol.15: pp.695-702. 1958. Authorship of *Copæodes* and *Colias eurydice* involved. [P. B.]
- dos Passos, Cyril F., "The satyrid butterflies of northwestern North America (Lepidoptera: Satyridæ)." *Proc. 10th internat. Congr. Ent.*, vol.1: pp.673-681. 1958. Catalogue of spp. (*Cænonympha*, *Cercyonis*, *Æneis*, *Erebia*) of Alaska & northwestern Canada, west of the plains, including synonymy & type localities. Discusses biotic provinces in this area & the satyrid fauna of each. [P. B.]
- dos Passos, Cyril F., "The authorship and dates of publication of the names of some Rhopalocera proposed in the *Reise der Oesterreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859 unter den Befehlen des Commodore B. von Wüllerstorff-Urbair, 1864-1867-[1875]*." *Lepid. News*, vol.12: pp.193-194. 1959.
- dos Passos, Cyril F., "The authorship of the names proposed in the *Natural history of the rarer lepidopterous insects of Georgia (1797)*." *Lepid. News*, vol.12: pp.191-192. 1959.
- dos Passos, Cyril F., "The dates and authorships of the names proposed in volume 9 of *Encyclopédie Methodique* by Godart and Latreille, 1819-[1824]." *Lepid. News*, vol.12: pp.119-120. 1959.
- dos Passos, Cyril F., "The dates and authorships to be ascribed to the generic and specific names proposed by Boisduval and Leconte and by Leconte alone in the *Lépidoptères de l'Amérique Septentrionale, 1829-1833-[1834]*." *Lepid. News*, vol.12: pp.121-122. 1959.
- dos Passos, Cyril F., "The dates and authorships of some names proposed by Cramer and Stoll in *De uitlandsche kapellen voorkomende in de drie waereld-deelen Asia, Africa en America*, and by Stoll alone in *Aanhangsel van het werk, de uitlandsche kapellen, voorkomende in de drie waereld-deelen Asia, Africa en America, door den Heere Pieter Cramer [1775]-1791*." *Lepid. News*, vol.12: pp.195-198. 1959.
- dos Passos, Cyril F., "Taxonomic notes on some nearctic Rhopalocera. 1. Hesperioidea." *Journ. Lepid. Soc.*, vol.14: pp.24-36. 1960.
- Paulian, R., "Étude sur les lépidoptères malgaches. I. Deux nouveaux satyrides" [in French]. *Naturaliste malgache*, vol.2: pp.51-52, 2 figs. 1950. *Strabena io* (Mandritsara) & *S. cachani* (Moramanga), two new species of Madagascar Satyridæ. [P. V.]
- Paulian, R., "Études sur les lépidoptères malgaches. II. Nouveaux satyrides" [in French]. *Mém. Inst. scient. Madagascar, ser. A*, vol.6: pp.387-394, 9 figs. 1951. Descriptions and figures, with details of the genitalia, of eight new satyrid species of Madagascar: *Strabena isalensis* (W. Madagascar, Isalo), *S. andilabe* (N. Madagascar, Tsaratanana Mt.), *S. tsaratananæ* (same), *S. perrieri* (same), *S. mandraka* (central Madagascar, La Mandraka), *S. albiuittuloides* (E. Madagascar, Moramanga); *Henotesia aberrans* (N. Madagascar. Tsaratanana Mt.). [P. V.]
- Paulian, R., "Danaidæ, Nymphalidæ, Acræidæ" [in French]. *Faune de Madagascar*, vol.2: 102 pp., 110 figs. 1956. A faunal list of these families of Rhopalocera of Madagascar, with keys and descriptions of the species. [P. V.]
- Paulian, R., & G. Bernardi, "Les *Eurema* de la region malgache (Lep. Pieridæ)" [in French]. *Naturaliste malgache*, vol.3: pp.139-154, 2 figs. 1951. Keys, descriptions and drawings of the genitalia of the five species of Madagascar *Eurema*. *E. floricola* and *E. hecabe*, sometimes considered conspecific, are two distinct species and are both found in Madagascar. [P. V.]
- Pease, Roger W., jr., "A study of first instar larvæ of the Saturniidæ, with special reference to nearctic genera." *Journ. Lepid. Soc.*, vol.14: pp.89-111, 5 pls. 1961.

- Pelham-Clinton, E. C., "*Coleophora sternipenella* (Zetterstedt) (Lep., Coleophoridae), a new British species; with a key to the British *Coleophora* on *Chenopodium* and *Atriplex*." *Entomologist*, vol.92: pp.120-124, 6 figs. 1959. Distinguishes newly recorded species from *C. flavaginella* & *C. versurella*. Key to 8 spp. [P. B.]
- Pennington, K. M., "A new species of *Thestor* Hübner (Lepidoptera—Lycænidæ) from the western Cape Province and notes on the life history of *Desmolycaena mazoensis* Trimen." *Journ. ent. Soc. southern Africa*, vol.19: pp.33-36, 4 figs. 1956. Describes as new *T. rileyi* (Lourensford, Somerset West, 1550 ft.). Pupæ of *D. mazoensis* found on young *Acacia*. [P. B.]
- Pereira, Olga de Avila, "Contribuição ao conhecimento dos Ctenuchidæ (Lep.). VIII. Genero *Orcynia* Walker. 1854" [in Portuguese; English summary]. *Pap. avuls. Dep. Zool.*, São Paulo, vol.13: pp.161-177, 2 pls., 32 figs. 1958. Very detailed redescription of genus & sole species, *O. calcarata*. [P. B.]
- Petersen, Günther, "Die Genitalien der paläarktischen Tineiden (Lepidoptera: Tineidæ)" [in German; English & Russian summaries]. *Beitr. Ent.*, vol.7: pp.55-176, 338-379, 557-595; vol.8: pp.111-118, 398-430; 9 pls., 267 figs. 1957-58. Actually a revision of the family, based on study of all available palearctic spp.; the ♂ and ♀ genitalia, which are described & figured, are the most important specific characters and, with larval food (when known) are the fundamental characters used in higher classification. Describes as new: *Nemapogon gravosaellus* (Orsova, Banet), *N. heydeni* (Austria), *N. signatellus* (Macedonia); CERATUNCUS (type *Myrmecozela danubiella*); *Reisserita zernyi* (Monchique, S. Portugal), *R. luteopterella* (Goundafa, Gr. Atlas, Morocco); *Fermocelina christophi* (S. Russia), *F. almaella* (Alma, Algeria), *F. oranelia* (Teniet et Haad, Algeria); CERATOPHAGA (type *Tineola infuscatella*), *C. kuldjaensis* (Kuldja, central Asia); NIDITINEA (type *Tinea fuscipunctella*), *N. distinguenda* (Frankfurt a.M., Germany); *Tinea leonhardi* (Castelnuovo, Dalmatia); PARATINEA (type *Tinea merdella*); *Monopis christophi* (Sarepta, S. Russia); MONTETINEA (type *Tineola tenuicornella*), *M. montana* (Macugnaga, Walliser Alpen); LICHENIVORA (type *Tinea nigripunctella*); OBESOCERAS (type *Tinea granulata*); *Infurcitinea amseli* (Georgskloster, Wadi el Kelt, Palestine); LICHENOTINEA (type *Tinea pustulatella*), *L. maculata* (Burg Kate, Rhineland, Germany); *Catabola zernyi* (= *Tinea hirsutella* Zerny, nec Meyrick) (Tachdirt, 2200-2700 m., Gr. Atlas, Morocco), *C. agenjo* (= *Crassicornella crassicornella* Agenjo, nec Zeller) (Granada, Spain), *C. bifurcatella* (Tunis); *Myrmecozela lambessella cuencella* (Cuenca, Spain); MOROPHAGOIDES (type *Scardia ussuriensis*); *Rhodobates mauretanicus* (Egypt); PARARHODOBATES (type *Chimabacche? syriaca*). Many new synonyms. No subfamilies are used, but seven groups of genera are recognized, centered around *Nemapogon*, *Tinea*, *Infurcitinea*, *Catabola*, *Scardia*, *Euplocamus*, & *Rhodobates*. Some genera & spp. of uncertain position are discussed. An important and impressive paper. [P. B.]
- Petersen, Günther, "Neue paläarktische Tineiden aus der Gruppe der lichenophagen Gattungen (Lep. Tineidæ)" [in German]. *Deutsche ent. Zeitschr.*, N. F., vol.5: pp.367-375, 12 figs. 1958. Describes as new *Obesoceras romanum* (La Cava, Monti Albani); *Infurcitinea raddei* (S. Caucasus), *I. olympica* (Olympus Kataphygion, Greece), *I. lambessella* (Lambessa). Descriptive notes, mainly on genitalia, for *Meessia alberti*, *Obesoceras holtzi*, 4 spp. of *Infurcitinea*, & *Lichenotinea maculata*. [P. B.]
- Petersen, Günther, "Ergebnisse der Untersuchung indeterminierter paläarktischer Tineiden aus dem Zoologischen Museum Berlin und der Sammlung H. G. Amsel/Karlsruhe (Lep.)" [in German]. *Deutsche ent. Zeitschr.*, N. F., vol.6: pp.152-159. 3 figs. 1959. Describes as new *Cephimallota libanotica* (Lebanon). Gives first description of ♀ of *Ateliotum syriacum*. Sinks *Nemapogon oueddarellus* to *N. palmellus*, & *Tinea takhouki* to *Ceratuncus affinitellus*. Records of various spp. of these genera & *Fermocelina*, *Tinea*, *Monopis*, etc., with some descriptive & biological notes. [P. B.]

- Petersen, Günther, "Revision der Gattung *Obesoceras* Pet. 1957 (Lepidoptera, Tineidae)" [in German]. *Acta Soc. ent. Českosloveniae*, vol.56: pp.197-199, 1 fig. 1959. *O. danubiellum* from Krems a.D. (Austria) described as new. Figure of male genitalia. [J. M.]
- Petersen, Günther, "Tineiden aus Afghanistan mit einer Revision der paläarktischen Scardiinen (Lepidoptera: Tineidae)" [in German; English & Russian summaries]. *Beitr. Ent.*, vol.9: pp.558-579, 1 pl., 27 figs. 1959. Describes as new: *Pachyarthra asiatica* (Gulbahar-Sarobi Road, E. Afghanistan, 600 m., *Artemisia* steppe); *Catabola obscura* (Sarobi, E. Afghanistan, 1100 m.), *C. sarobiella* (Sarobi), *C. amseli* (Gulbahar, 1700 m., etc.), *C. afghana* (Sarobi); *Episcardia luteola* (Sarobi), *E. pygmaea* (Sarobi); *Nemapogon flavifrons* (Polichomri, N. Afghanistan, 700 m.); *Neurothaumasia fasciata* (Khinch-e-Andarab, W. Pamirs, N. Afghanistan, 3500-4000 m.); *Paratinea orientalis* (Gulbahar-Sarobi Road), *P. sarobiella* (Sarobi); *Morphaga nigricapitella* (Arghandab Road, 30 km. N. of Kandahar, SW Afghanistan, 1000 m.). Gives keys to known spp. of *Pachyarthra*, *Episcardia*, *Neurothaumasia*, & *Haplotinea*. Records some other tineids, with systematic notes. Reduces Scardiinae to 3 genera: *Scardia* (= *Montescardia*, n. syn.), *Morphaga* (= *Atabyria* & *Microscardia*, nn. synn.), and *Morphagoides*. Gives key to genera & palearctic spp. [P. B.]
- Petersen, Günther, "Die *Monopis*-Arten der *rusticella*-Gruppe (Lepidoptera: Tineidae)" [in German; English & Russian summaries]. *Beitr. Ent.*, vol.10: pp.409-418, 2 pls., 4 figs. 1960. Distinguishes *M. rusticella*, *M. weaverella*, & *M. spilotella* by genitalia; sinks *Tinea biflavomaculella* to *M. spilotella*. [P. B.]
- Plantrou, J., "Note sur la répartition en France de *Clossiana titania* Esper (= *amathusia* Esper)" [in French]. *Alexanor*, vol.1: pp.198-200, pl.IV, figs.1-6. 1960. Note on the distribution in France of this argynnid; describes as new *C. t. lemagnei* (Lozere, Saint-Denis-en-Margeride). [P. V.]
- Popescu-Gorj, A., E. Nicolescu, & A. Alexinschi, "Lepidoptera-Ægeriidae". *Fauna Republicii Populare Romine*, vol.XI, fasc.1: 195 pp., 5 pls., 59 figs. Bucharest, 1958. The authors give a detailed study about the Ægeriidae of Rumania. In this country the distribution of 40 spp. is recorded; 2 spp. probably occur. but have not been collected. Descriptions and life-histories are also included. The introductory part (pp.1-48) is a short review of the morphology, zoogeography, & bibliography of the family in Rumania. In the succeeding systematic part all known spp. are discussed in detail. Index and plates are at the end of the book, which is the first volume about Lepidoptera in the book-collection "Fauna of Rumania". It is a very important contribution to the knowledge of the lepidopterous fauna of this country. [J. M.]
- Popescu-Gorj, Aurelian, "Erebia carpathicola A. Popescu-Gorj et A. Alexinschi, une nouvelle espèce du genre *Erebia* (Lep. Satyridae) des Carpathes roumains" [in French]. *Entomologist*, vol.92: pp.23-26, 1 pl. 1959. Type locality Mt. Haghimasul Mare, E. Carpathians, 1600-1700 m. [P. B.]
- Povolný, Dalibor, & Josef Moucha, "Kritischer Nachtrag zur Kenntnis der Taxonomie und Zoogeographie der Gattung *Psodos* Tr. (Geometridae)" [in German]. *Acta ent. Mus. nationalis Pragæ*, vol.32: pp.181-190, 18 figs. 1958. The paratypes of *P. wehrlii* Vobr. and the genitalia are figured. *P. diószeghyi* Schmidt is not a good sp. but a ssp. of *P. coracina* Esp. [J. M.]
- Povolný, Dalibor, & Josef Moucha, "II. Nachtrag zur Kenntnis der Taxonomie und Zoogeographie der Gattung *Psodos* Tr." [in German]. *Acta ent. Mus. nationalis Pragæ*, vol.33: pp.333-336, 1 pl. 1959. The Asiatic sp. *P. daisetsuzana* Mats. is discussed & sunk to *P. coracina* Esp.; genitalia figured. [J. M.]
- Povolný, Dalibor, & Josef Moucha, "Kritische Bemerkungen zu einigen Geometridengattungen II. (*Narraga*, *Isturgia*, *Epelis*)" [in German]. *Acta ent. Mus. nationalis Pragæ*, vol.33: pp.453-460. 2 pls. 1959. Genus *Fernaldella* Hulst is only a subgenus of *Narraga* Wkr. Genus *Epelis* Hulst is identical with *Semiothisa*. [J. M.]

- Povolný, Dalibor, "The high-mountain Geometridæ of the genus *Psodos* Treitschke in relation to the species problem." *Proc. XV internat. Congr. Zool.*, pp.160-165, 11 figs. 1959. Discusses phylogeny of genus & its relatives (Psodinae, Gnophinae), with notes on geographic origin & modifications of ♂ genitalia. [P. B.]
- Powell, Jerry A., "A new species of the genus *Chionodes* in California (Lepidoptera, Gelechiidae)." *Ent. News*, vol.70: pp.127-130, 3 figs. 1959. Describes as new *C. sabinianæ* (Russelman Park, Mt. Diablo, Contra Costa Co.; reared from staminate cones of *Pinus sabiniana*). [P. B.]
- Powell, Jerry A., "Studies on the genus *Ethmia* Huebner in western North America (Lepidoptera: Gelechioidea)." *Wasmann Journ. Biol.*, vol.17: pp.133-151, 1 pl. 1959. Describes as new *E. epileuca* (Surprise Canyon, Panamint Mts., Inyo Co., Calif.), *E. chemsaki* (34 mi. S. of Atlixco, Puebla, Mex.), *E. zebrata* (same locality). Describes ♂ of *E. phænicura*. Locality records are given for 16 other spp., with some systematics & biological notes. [P. B.]
- Pröse, Herbert, "Ein Beitrag zur Kenntnis der bayerischen Tortriciden" [in German]. *Nachrichtenbl. bayer. Ent.*, vol.7: pp.26-30, 40, 2 figs. 1958. Sinks *Eriopsela roseni* & *E. bavarica* to *E. quadrana*. Distinguishes *Acleris tripunctana* from *A. ferrugana*. Notes on identity & distribution of some other Bavarian spp. [P. B.]
- Prout, L. B., "New species of Indo-Australian Geometridæ." *Bull. British Mus., Ent.*, vol.6: pp.365-463, 6 pls. 1958. Descriptions of spp. figured on plates 29-34, 36-41m & 50 of Seitz, vol.12 (the accompanying text was never published), and additional descriptions of and information on other spp. named in the same volume; prepared by D. S. Fletcher from Prout's notes, with descriptions of additional spp. which would have been published in this volume had it been finished. New: *Eustroma hampsoni* (= *Cidaria "interplagiata" Guenée* of Hampson); *Sterrhocheæta rectilineata indirecta* (Paloe, Sidaonta, 4,500 ft.); *EXODEZIA* (type *Eulype albifusa*); *Physetobasis dentifascia kachinica* (Htawgaw, 6,000 ft.), *P. d. rectipendens* (lower Burma), *P. d. kiunkiangana* (Liunkiang); *Eupithecia raniata* (Darjeeling), *E. circumacta* (Darjeeling), *E. albibaltea* (Darjeeling), *E. pyricoetes* (Sikkim), *E. peguensis* (E. Pegu, 4,000-5,000 ft.), *E. albigutta* (Simla, 7,000 ft.), *E. fulcrata* (Htawgaw, 6,000 ft.), *E. mundiscripta commundata* (Mt. Kinabalu), *E. m. larutensis* (Perak, Larut Hills, 3,700 ft.), *E. excita* (Tjamba, near Maros, 1,500 ft.), *E. wardi* (Tsangpo Valley, Tya La, 14,000 ft., SE Tibet), *E. leucoprora* (Mt. Goliath, 5,000-7,000 ft., about 139° E. Long., central Dutch New Guinea), *E. lissopsis* (same locality); *Micromia expectans* (Angabunga R., affluent of St. Joseph R., 6,000 ft. upwards, British New Guinea), *M. (Prostheteropteryx) hypocalypsis* (Mt. Tafa, 8,500 ft., Papua), *M. (P.) euthynsis* (Mt. Goliath), *M. (P.) e. evelina* (Mt. Tafa), *M. (P.) leucocarpa* (Mt. Tafa), *M. (P.) acroscotia* (Mt. Tafa), *M. (P.) novenaria* (Mt. Goliath), *M. (P.) recessilinea* (Mambare R., 5,000 ft., Br. New Guinea), *M. (P.) dymrna* (Mt. Goliath), *M. (P.) conquadrate* (Mt. Goliath), *M. (P.) dystacta* (Mt. Tafa), *M. (P.) ectocoma* (Mt. Goliath), *M. (P.) ni* (Mt. Goliath), *M. (P.) thaumasia* (Mt. Goliath), *M. (P.) monochasma* (Mt. Goliath), *M. (P.) dilopha* (Mt. Goliath); *Chloroclystis consueta bowringi* (SE Ichang, Ya-chiao-ling, China), *C. leucopygata cata* (Pangean near Maros, 2,000 ft., SW Celebes), *C. horistes* (Phyallooloong, 12,600 ft., Nepal frontier), *C. atroviridis perspecta* (Patipola, Ceylon), *C. boarmica* (G. Lampobattang, Parang-bobo-Goa, 5,000 ft., SW Celebes), *C. naga* (Naga Hills, 5,000-7,000 ft., India), *C. sinuosa reddita* (Haputale, Ceylon), *C. griseorufa tranquillata* (Kuala Lumpur, Malaya), *C. actephilæ* (Kanara, Castle Rock, S. India), *C. eichhorni* (New Ireland), *C. distigma* (Snow Mts., Upper Setkwa R., 2,000-3,000 ft., Dutch New Guinea), *C. rhodopsis* (Hydrographer Mts., 2,500 ft., Br. New Guinea), *C. infusata errabunda* (Takow, Formosa), *C. i. albitornalis* (Karwar, S. India), *C. i. exortiva* (Mt. Rossel, 2,100 ft., Rossel Is.), *C. taraxichroma* (Batoeriti, 3,500 ft., E. Bali), *C. breyniæ* (Pusa, India, ex larva on *Breynia rhamnoides*), *C. woodjonesi* (Cocos-Keeling Is.), *C. lepta æneta*

(Tonga), *C. invisibilis invita* (Koelawi, Paloe, 3,700 ft., W. Celebes), *C. magnimaculata irabunda* (Flagstaff, New Zealand), *C. lanaris æquabilis* (Mt. Rice, 2,000 ft., Sudest Is.), *C. xenisma* (G. Tompoe, Paloe, 2,700 ft., W. Celebes), *C. pugnax* (Hydrographer Mts., 2,500 ft., Br. New Guinea), *C. apotoma* (G. Lampobattang, Parang-bobo-Goa, 5,000 ft., SW Celebes), *C. omocydia* (Hydrographer Mts., 2,500 ft., Br. New Guinea), *C. autopepla* (Mt. Goliath, 5,000-7,000 ft., Dutch New Guinea), *C. alpinista eupora* (Mondoktoempang, 2,500 ft., W. Bali), *C. acervicosta* (Sambawa), *C. catabares* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *C. curviscapulis* (Darjeeling, Gopaldhara, 3,440-5,800 ft., India), *C. melampepla* (Paloe, G. Rangkoenau, 1,800 ft., W. Celebes), *C. orphnobathra* (Kedah Peak, 3,000 ft., Malaya), *C. ædalea* (Mt. Kinabalu, N. Borneo), *C. phanicochaes* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *C. cuneativenis* (same locality), *C. pygmaica* (Ceylon), *C. atypha* (Paloe, G. Rangkoenau, 1,800 ft., W. Celebes), *C. dilatata hydrographica* (Br. New Guinea), *C. luciana* (Dharmasala, India), *C. nudifunda* (Pahang, Cameron Highlands, 5,500 ft., Malaya), *C. semiscripta brychoma* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *C. palmaria phantastes* (Gedeh, Java), *C. permixta* (Tengger, Kletak, 6,000 ft., Java), *C. filicata mochleutes* (Tjamba, near Maros, 1,500 ft., SW Celebes), *C. dissographa* (G. Lampobattang, Parang-bobo-Goa, 5,000 ft., SW Celebes), *C. craspedozona* (Batoeriti, 3,500 ft., E. Bali), *C. c. venata* (Haight's Place, 7,000 ft., Pauai, Benguet, Luzon), *C. c. heanis* (Manusela, 6,000 ft., central Ceram), *C. palpata diechusa* (Khasi Hills, India), *C. p. javana* (Mt. Moenggal, 9,000 ft., E. Java), *C. regularis viridimargo* (Perak, 2,000-3,500 ft., Malaya), *C. diabata* (Manusela, 6,000 ft., central Ceram), *C. viridata phæina* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *C. diaschista* (Mt. Goliath, 5,000-7,000 ft., Dutch New Guinea), *C. subpalpata* (Bukit Kutu, 3,500 ft., Selangor, Malaya), *C. s. fractiscripta* (Haight's Place, Pauai, Benguet, Luzon, 7,000 ft.) (all above have been figured in Seitz), *Ziridava xylitaria khasiensis* (Khasia Hills), *Z. x. kanshireiensis* (Kanshirei, Formosa), *Z. x. baliensis* (Batoeriti, 3,500 ft., Bali), *Z. x. florensis* (S. Flores), *Z. rufinigra cedreleti* (Cedar Bay, S. of Cooktown, Queensland), *Z. asterota* (Mt. Kina Balu, N. Borneo), *Calluga grammophora* (Mt. Goliath, 5,000-7,000 ft., Dutch New Guinea), *Gymnoscelis polyclealis albicetrata* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *G. p. hyperocha* (Kuranda, Queensland), *G. expedita* (Bukit Kutu, Selangor, Malaya, 3,500 ft.), *G. ammocyma* (Aden), *G. pæcilimon* (New Ireland), *G. festiva buruensis* (Leksula-Fakal, 2,800-3,700 ft., Buru), *G. f. jubilata* (G. Lampobattang, Parang-bobo Goa, 5,000 ft., SW Celebes), *G. holoprasia* (Prapetagoeng, 1,500 ft., W. Bali), *G. protracta* (Perak, Larut Hills, 3,700 ft., Malaya), *G. pyrissous* (Tambora), *G. imparatalis opta* (Vulcan Is.), *G. anaxia* (Tomia, Toekan Bessi Is.), *G. tristrigosa nasuta* (Palni Hills, S. India), *G. t. tongaica* (Haapai Is., Tonga Is.), *G. argyropasta* (St. Matthias Is.), *G. lavella* (Vella Lavella, Solomon Is.), *G. distatica* (Khasia Hills, India), *G. derogata griseifusa* (Paloe, Gunong Tompoe, 2,700 ft., W. Celebes), *G. d. abrogata* (Hydrographer Mts., 2,500 ft., Br. New Guinea), *G. phanicochus* (Manusela, 6,000 ft., central Ceram), *G. erymna nephelota* (Lautoka, Fiji), *G. mesophæna hagia* (St. Matthias Is.), *G. m. taprobanica* (Puttalam, Ceylon), *G. m. celebensis* (Paloe, G. Rangkoenau, 900 ft., W. Celebes), *G. oblenita* (Bukit Kutu, 3,500 ft., Selangor, Malaya), *G. conjurata* (Punduloya, Ceylon), *G. latipennis* (Perak, Gunong Ijan, Malaya), *G. l. nepotalis* (Tengger, Singolango, 5,000 ft., E. Java); *Onagrodus victoria* (Victoria, S. Tenasserim, Burma), *O. barbarula* (New Ireland), *O. oosyndica* (Pahang, Cameron Highlands, 4,800 ft., Malaya), *O. eucineta* (Bukit Kutu, Selangor, 3,500 ft., Malaya); *Pseudomimetus vailima* (Upolu, Vailima, Solomon Is.); *Hybridoneura metachlora lativitra* (Bukit Kutu, Selangor, 3,500 ft., Malaya), *H. truncata* (Hydrographer Mts., 2,500 ft., Br. New Guinea); *Antimimistis attenuata melampchaes* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *A. cuprina* (Haldamulla, Ceylon); *Brabira operosa* (7,000 ft., Sikkim); *Microloba bella*

- taracta* (Sikkim); *Heterophleps paraspasta* (Mt. Victoria, Pakokku, Chin Hills, 2,600 m., Burma), *H. heinrichi* (Pakokku, Chin Hills, 2,200 m., Burma); *ELLIPOSTOMA* n.n. for *Myostoma* Warren, preoccupied; *Cryptoloba mesta* (Shillong, India), *C. peperitis* (Sikkim), *C. metorchatica* (Tien-Tsuen, W. China); *CHRIOLOBA* (type *Lygranoa cinerea* Butler), *C. andrewesi* (Pykara, 6,500 ft., Nilgiri Hills), *C. ochraceistriga* (Khasia Hills, India), *C. o. sectilinea* (Moulin, W. China); *Carige extremaria coniochyta* (Pakokku, 2,200 m., Mt. Victoria, Burma); *Goniopteroloba biconcava* (Mt. Kina Balu, N. Borneo), *G. pallida pangeanensis* (Pangean, near Maros, 2,000 ft., SW Celebes); *Leptostegna asiatica antelia* (Wa-Shan, 6,000 ft., China); *Acasis viretata himalayica* (Khasia Hills, India); *Nothocasis octubris* (Szechuan. Liang-fen-kiang, 2,500 ft. to Shih-shah-shu, 7,400 ft.); *Trichopteryx polystictaria tsangpoensis* (Tsangpo Valley, Doshong La, 10,500 ft., SE Tibet), *T. knyvetti* (Sikkim); *Trichopterygia rubripuncta miantosticta* (Siao-Lou, W. China), *T. dejeani* (Ta-Tsien-Lou, W. China), *T. rufinotata illumina* (Yatong, Tibet), *T. pilcheri* (Darjeeling, India), *T. rivularis acidnias* (Tsekou, W. China), *T. adiopa* (Darjeeling, India), *T. hagna* (Mishmi Hills, Minutang, 3,900 ft., Burma), *T. micradelpha* (Sikkim), *T. teligera* (Narkundah, Kashmir), *T. pulcherrima exsanguis* (Haight's Place, Pauai, Benguet, Luzon); *Phthonoloba decussata moltrechti* (Arizan, Kagé Distr., 8,000 ft., Formosa); *Steirophora permista* (Haight's Place, 7,000 ft., Pauai, Benguet, Luzon); *Episteira delicata isoepe*s (Manusela, 6,000 ft., central Ceram); ?*E. carchara* (Riu-kio Is.); *Megaloba eucola* (Goodenough Is., 2,500-4,000 ft.), *M. loxobasma* (Mt. Goliath, 5,000-7,000 ft., Dutch New Guinea), *M. admeta* (Manusela, 6,000 ft., central Ceram), *M. a. papuana* (Mt. Tafa, 8,000 ft., Papua); *Dystypoptila hebes* (Paloe, G. Tompoe, 2,700 ft., W. Celebes); *Sauris eupitheciata isocraspeda* (Vulcan Is.), *S. arfakensis catopercna* (Mrapat, 5,000 ft., central Buru), *S. a. seclusa* (Kedah Peak, 3,200 ft., Malaya), *S. patefacta* (Fraser's Hill, 4,000 ft., Pahang, Malaya), *S. olearia* (G. Lampobattang, Parang-bobo Goa, 5,000 ft., SW Celebes), *S. erecta sententiosa* (Manusela, 6,000 ft., central Ceram), *S. ptychosyrma* (Paloe, G. Tompoe, 2,700 ft., W. Celebes), *S. basilia* (Gunong Lampobattang, Parang-bobo Goa, 5,000 ft., SW Celebes), *S. muscosa pleonectes* (Paloe, G. Rangkoenau, 1,800 ft., W. Celebes), *S. incisssa* (Khasia Hills, India), *S. othnia* (Batchian), *S. usta asema* (Nongkodjadjar, 4,000 ft., E. Java), *S. oetawana* (Snow Mts., near Oetakwe R., up to 3,500 ft., Dutch New Guinea). Some "abs." are also named. Most new entities described in the second part are figured. Specimens on the Seitz plates are identified. [P. B.]
- Razowski, J., "*Acleris heringi* n. sp. (Tortricidæ)—a new species from central Asia" [in English; Polish summary]. *Bull. ent. Pologne*, vol.27: pp.139-140, 1 fig. 1958. One specimen (male) from Samarkand; the genitalia are figured. [J. M.]
- Razowski, Józef, "New and little known Palearctic species of the Cnephasiini (Tortricidæ)" [in English; Polish & Russian summaries]. *Acta zool. cracov.*, vol.2: pp.560-606. 1958. As new are described: *Cnephasia* (*Anoplocnephasia*) *margelanensis* (Margelan, Ferghana valley, USSR), *C. (A.) stachi* (Samarkand, USSR); *Eana* (*Eana*) *hungariæ* (?Hungary), *E. (E.) samarkandæ* (Samarkand, USSR), *E. (E.) pallifrons* (Ulan-Bator, Mongolia); *Cnephasia* (*Cnephasia*) *nowickii* (Uliassetai, Mongolia), *C. (C.) heringi* (Amasia), *C. (C.) constantinana* (Constantine), *C. (C.) alfacarana* (Sierra de Alfaca, Spain), *C. (C.) microstrigana* (S. Ildefonso, Spain), *S. (C.) parnassicola* (Parnass, Greece), *C. (C.) cinereipalpna* (Wladiwostok, USSR); also some "forms". Genitalia & imago of all new spp. are figured. [J. M.]
- Razowski, J., "Remarks on the species of the subgenus *Brachycnephasia* Réal and a new species of the subgenus *Cnephasia* s.s. (Tortricidæ)" [in English; Polish summary]. *Bull. ent. Pologne*, vol.27: pp.75-84, 8 pls. 1958. Describes as new *C. (B.) tripolitana* (Jefren, Tripolitania), *C. (B.) klimeschi* (Stari Dojran, Macedonia); and *C. (C.) fiorii* (Jefren, Tripolitania). All types & genitalia are figured. [J. M.]

F. BIOLOGY AND IMMATURE STAGES

- Khanna, K. L., L. N. Nigam, & V. D. Puri, "*Chilo tumidicostalis* Hampson—a serious stem borer pest of sugarcane in Bihar." *Proc. Indian Acad. Sci.*, vol.36: pp. 75-94, 7 pls. 1957. Describes biology, distribution, & economic importance; figures all stages. [P. B.]
- Kibe, Mitsunori, "Breeding of *Cænonympha ædippus* and *Pararge achine* (Satyridæ) in Korea" [in Japanese]. *Insect Ecology*, vol.2: pp.65-69, 7 figs. 1948. Foodplants: sedges and grasses. [T. I.]
- Kibe, Mitsunori, "Life-history of *Papilio helenus nicconicolens* Butler, with morphological notes on its earlier stages" [in Japanese]. *Insect Ecology*, vol.4, no.10: pp.45-54, 5 figs., 1 pl. 1952. Foodplant: *Ponciris trifolia*. [T. I.]
- Kirst, G., & F. Stauder, "Auftreten und Bekämpfung des *Ennomos quercinaria* Hfn. in den Forstämtern Fischback (Saar) und Saarbrücken (1952-54)" [in German]. *Forstwiss. Zentralbl.*, vol.73: pp.271-275, 5 figs. 1954. Biology & control.
- Kiyosawa, Haruchika, "On the life history of *Anthocaris cardamines isskii* Matsumura (Pieridæ) collected in Mt. Togakushi" [in Japanese]. *New Entomologist*, vol.1, no.2: pp.19-21, 1 fig. 1951. Foodplant: *Arabis lyrata*. [T. I.]
- Klimesch, Josef, "Zur Chætotaxie der Raupe von *Bucculatrix fatigella* Heyd. (Lep. Bucculatricidæ)" [in German]. *Zeitschr. wiener ent. Ges.*, vol.35: pp.143-145, 4 figs. 1950. Describes & figures larval setal pattern. [P. B.]
- Klomp, H., "Die morphologischen Merkmalen und die Bionomie der Kiefernspanner-Tachine *Carcelia obesa* Zett. A=*rutila* B. B.)" [in German; English summary]. *Zeitschr. angew. Ent.*, vol.38: pp.228-294, 5 figs. 1956. Describes all stages & biology of this parasite of *Bupalus piniarius*. [P. B.]
- Klomp, H., "The number of generations, the host-change and hibernation of *Trichogramma embryophagum* Htg. in pine woods in the Netherlands" [in Dutch; English summary]. *Ent. Berichten*, vol.16: pp.117-120, 2 figs. 1956. Biology of parasites of various pine-feeding Lepidoptera. [P. B.]
- Klots, Alexander B., "The larva of *Hyperæschra georgica* (Notodontidæ)." *Lepid. News*, vol.10: pp.203-204. 1957.
- Knight, Fred B., "Insect damage to Loblolly Pine cones." *Virginia Forests*, vol.7: pp.14-15, 2 figs., 1 map. 1952. *Dioryctria amatella* & *Laspeyresia toreuta* responsible. [P. B.]
- Knight, John E., "Rearing *Antitype xanthomista* (Hübner) (Black-Banded Moth)." *Ent. Gaz.*, vol.6: pp.164-165. 1955. Notes on larvæ; stock lost because of polyhedrosis. [P. B.]
- Knowlton, George F., "Some insects of Utah celery fields." *Proc. Utah Acad. Sci.*, vol.25: pp.163-165. 1948. Abstract.
- Kobayashi, Hiroshi, "Biology of lichen-feeding moths (1)" [in Japanese]. *Trans. lep. Soc. Japan*, vol.3: pp.9-10, 4 figs. 1953. *Parasitecia altaica* (Arctiidæ). [T. I.]
- Kobayashi, Hiroshi, "On the morphological and biological study of *Chionæma hamata* Walker in Japan (Lepidoptera, Arctiidæ)" [in Japanese; English summary]. *Butt. & Moths (Trans. lep. Soc. Japan)*, vol.4: pp.21-24, 7 figs. 1954. Describes early stages of this lichen-feeder; records parasite; gives distribution. [P. B.]
- Kobayashi, Shiro, "Studies on the distribution structure of the Common Cabbage Butterfly *Pieris rapæ* in cabbage farm." *Sci. Rep. Tohoku Univ.*, 4th Ser. (Biol.), vol.23: pp.1-6, 2 figs. 1957. Distribution of eggs contagious until late summer, then random; larval distribution tends to become random with more age. [P. B.]
- Koch, Manfred, "Zur Biologie des Kiefernprozessionsspinners, *Thaumetopæa pini-vora* Tr." [in German]. *Beitr. Ent.*, vol.3: pp.423-427. 1953. Sp. has a 2-year cycle and larvæ & adults are found in alternate years. Notes on emergence, adult habits, pupation. [P. B.]
- Köchli, W., "Eine Beobachtung bei den Raupen von *P. cynthia*" [in German]. *Ent. Nachrichtenbl.*, Burgdorf, vol.2: p.41. 1948. Larva feeding on another, freshly dead, larva. [P. B.]

- Koishikawa and Takeyaya Senior High Schools, "Research on the damages caused by *Hyphantria cunea* (Arctiidae) in Tokyo" [in Japanese]. *Shin Konchu*, vol.4, no.11: pp.6-10, 2 figs., 3 maps, 3 tables. 1951.
- Komárek, Oldřich, "Zur Bionomie und Ökologie *Calligenia (Mitochrista) miniata* (Forst.)" [in Czech; Russian & German summaries]. *Acta Soc. ent. Českosloveniae*, vol.52: pp.195-200, 3 figs. 1956. Interesting paper about life history of this species, namely about feeding of larvæ. [J. M.]
- Korbel, Z., M. Luxova, & A. Lux, "Die Pappelmotte (*Phyllocnistis sufusella*) als Schädling der Pappelbaumschulen" [in Slovak; Russian & German summaries]. *Biol. Sborník*, vol.7: pp.127-142, 11 figs. 1952. Biology & control of this sp. are described. *P. sufusella* is a pest of poplar in S. Slovakia. [J. M.]
- Kovács, L., "Die Wirkung der gelegentlichen Gesellschaften auf die Dispersion der Schmetterlingsimagos" [in German; Magyar & Russian summaries]. *Ann. Hist.-nat. Mus. nation. hung.*, ser.2, vol.3: pp.191-201. 1953. Records numerous nocturnal Lepidoptera feeding at sunflowers; shows that collecting at sunflowers gives only incomplete picture of fauna, & that presence of sunflowers alters composition of collections made nearby by other methods. [P. B.]
- Kramer, John Paul, "The effects of extremes in temperature on populations of *Pyrausta nubilalis* (Hbn.) infected with *Perezia pyraustæ* Paillet." *Bull. ent. Soc. Amer.*, vol.3: p.27. 1957. Abstract.
- Kratochvíl, Josef, "Málo známý škůdce sušené papriky, zeleniny a léčivých bylin" [in Czech; French & Russian summaries]. *Ochrana Rostlin*, vol.19/20: pp.49-54. 1948. *Acidalia herbariata* (Geometridæ) as pest of dried red pepper, vegetables, and curative herbs in storehouses and warehouses. Indoors this species has four generations per year. [J. M.]
- Krauss, Noel L. H., "Notes on insects associated with Lantana in Cuba." *Proc. Hawaiian ent. Soc.*, vol.15: pp.123-125. 1953. Records *Syngamia hæmorrhoidalis*, on leaf; *Platyptilia* sp., *Crociosema* sp., & *Epinotia lantana*, on berries. [P. B.]
- Krieg, Aloysius, "Eine Microsporidie aus dem kleinen Frostspanner (*Cheimatobia brumata* L.)" [in German]. *Naturwissenschaften*, vol.43: p.186, 2 figs. 1956. Describes new protozoan parasitizing this sp. [P. B.]
- Krieg, Aloysius, & Richard Langenbuch, "Eine Polyhedrose von *Aporia cratægi* L. (Lepidoptera). I. Mitteilung" [in German; English summary]. *Zeitschr. Pflanzenkrankh.*, vol.63: pp.95-99, 3 figs. 1956. Describes a new virus & disease produced. [P. B.]
- Krieg, Aloysius, "Virus-Isolierung aus kranken Larven von *Hibernia defoliaria* L. und *Euproctis chrysorrhæa* L." [in German]. *Naturwissenschaften*, vol. 43: pp.260-261, 2 figs. 1956. Describes 2 new viruses from these moths. [P. B.]
- Krieg, Aloysius, "Über Aufbau und Vermehrungsmöglichkeiten von stäbchenförmigen Insekten-Viren" [in German; English summary]. *Zeitschr. Naturforsch.*, vol.12b: pp.120-121. 1957. Structure of pathogen of *Aporia cratægi*. [P. B.]
- Kruel, Walther, "Der Kiefernspinner, ein Katastrophenschädling. Bemerkungen über den Stand seines Massenauftritts und die Wege zu seiner Bekämpfung" [in German]. *Forstwirtsch., Holzwirtsch.*, vol.2: pp.199-203, 3 figs. 1948. Biology & control of *Dendrolimus pini*. [P. B.]
- Krutch, Joseph Wood, "Monarch of the skies." *Natural Hist.*, vol.66, no.1: pp.24-27, 7 figs. 1957. Life history of *Danaus plexippus*. [P. B.]

ERRATA

Two important errors were printed in the abstract of MARION's first paper in the preceding issue of the *Journal* (page 76). In the 10th and 12th lines, the correct spellings of two new species are *Trigonuncus flavipunctalis* (not "*flavopunctalis*") and *Amahona fusconebulalis* (not "*fusconebulis*").