

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 this very large task, are invited to write Dr. P. F. BELLINGER (Dept. of Natural Sciences, San Fernando Valley State College, Northridge, Calif., U. S. A.). Abstractors' initials are as follows:

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F. BIOLOGY AND IMMATURE STAGES

- Ulyett, G. C., "Host adoption by hymenopterous parasites." *Journ. ent. Soc. southern Africa*, vol.9: pp.236-237. 1947. Native South African parasites have "adopted" the introduced *Plutella maculipennis* and *Carpocapsa pomonella*. [P. B.]
- Ulyett, G. C., & J. S. v. d. Merwe, "Some factors influencing population growth of *Ephestlia kühniella* Zell. (Lep., Phycitid.)" *Journ. Ent. Soc. southern Africa*, vol.10: pp.46-63, 5 figs. 1947. Discussion of composition of food (mixed flour and bran), effects of competition, relationship between size and fecundity; mechanism of adjustment of population density with constant food supply is described. [P. B.]
- Umnov, M. P., "The Fall Webworm (*Hyphantria cunea* Drury) — new pest of plants in Europe" [in Russian]. *Zool. Zhurn.*, vol.34: pp.1292-1314. 1955. [Not seen]
- Underhill, G. W., "Some 1944-1949 notes on the Sycamore Leaf Roller (*Anchylopera platana* Clem.) and its control." *Virginia Journ. Sci.*, vol.1: p.333. "1950" [1951]. Abstract.
- Urbahn, E., "*Zeuzera pyrina* L. in *Viscum album* L." [in German]. *Zeitschr. Lepid.*, vol.2: p.120. 1952. Adult emerged from mistletoe (growing on Black Poplar). [P. B.]
- Uspenskria, N. V., "Biology and economic importance of the Snout Moth (*Euzophera bigella* Zell.)" [in Russian]. *Trudy Inst. Zool. Parasitol. Akad. Nauk Uzbekskoi SSR*, vol.1: pp.188-190. 1953. [Not seen].
- Vago, Constantin, "Septicémie à spirochètes chez les 'vers courts' de *Bombyx mori* et son rôle dans l'étiologie de cette maladie" [in French]. *Bull. Soc. zool. France*, vol.75: pp.201-206. 1950. Describes symptoms of secondary infection in silkworm larvae. [P. B.]
- Vago, C., "Existence d'une pseudo-muscardinie d'origine saprophytaire et les conséquences de ce fait pour la sériciculture" [in French]. *Acta tropica*, vol.8: pp.360-362, 1 fig. 1951. Describes fungal disease of *Bombyx mori*. [P. B.]
- Vago, Constantin, "Identité des agents des momifications saprophytaires blanchâtre et brune des chenilles de lépidoptère" [in French]. *Rev. Mycol.*, vol.16: pp.33-35, 1 fig. 1951. Fungus attacking caterpillar corpses; apparently not parasitic. [P. B.]
- Vago, C., "Le rôle des microbes de l'intérieur des oeufs d'insectes en vue de l'emploi de ces derniers comme milieux vivants" [in French]. *Bull. Soc. Hist. nat. Toulouse*, vol.86: pp.252-258. 1951. Records bacteria in eggs of *Bombyx mori* & *Saturnia pyri*. [P. B.]
- Vago, C., "Polyédrie du *Bombyx mori* L. aux symptômes atypiques" [in French]. *Bull. Soc. ent. France*, vol.56: pp.108-111. 1951. Describes virus disease of larvae, histologically identical with "grasserie" but with different external symptoms. [P. B.]

- Vago, C., "Enchaînement d'une virose et d'une septicémie bactérienne chez les larves de *Thaumatopoea pityocampa* Schiff." [in French]. *C. R. Soc. Biol.*, vol.148: pp.1993-1995. 1954. Combined infection with *Bacterium paracoli* and the virus *Borrelina*. [P. B.]
- Vago, C., "Actions virales indirectes" [in French]. *Entomophaga*, vol.1: pp.82-87, 1 fig. 1956. Reports synergistic effect of virus infections, increasing mortality rate due to other causes, in larvae of *Bombyx mori* and other Lepidoptera. [P. B.]
- Vago, C., & J. Nicot, "Contribution à l'écopathologie comparée des mycoses à propos d'une nouvelle affection du lépidoptère *Bombyx mori* L." [in French]. *Rev. Mycol.*, vol.19: pp.255-261. 1954. Describes a disease caused by *Fusarium moniliforme*. [P. B.]
- Vago, C., & L. Vasiljevic, "Une virose à localisation intestinale avec affinité cytoplasmique chez le lépidoptère *Thaumatopoea processionea*" [in French; German summary]. *Antonie van Leeuwenhoek*, vol.51: pp.210-214, 1 fig. 1955.
- Vallins, F. T., "*Ecliptopera silaceata* Schiff. feeding on Yellow Balsam." *Ent. Gaz.*, vol.1: p.127. 1950. New foodplant, *Impatiens noli-me-tangere*. [P. B.]
- Van Denburg, D. O., "The Orange Striped Oak Caterpillar (*Anisota senatoria*). A defoliator of oak." *Penn. Forests & Waters*, vol.4: pp.102-103, 4 figs. 1952.
- Various authors, "Notes and exhibitions." *Proc. Hawaiian ent. Soc.*, vol.14: pp.343-370. 1952. Includes record of *Amorbia emigratella* on *Cassia leschenaultiana*; records of parasites bred from *Hymenja* & some destructive noctuids; *Stenoptilia parva* new to Hawaii. [P. B.]
- Various authors, "Notes and exhibitions." *Proc. Hawaiian ent. Soc.*, vol.15: pp.1-20. 1953. Including parasite records from *Scotorythra caryopis*, *Ephestia cautella*, & *Vanessa cardui*; *Phyllocnistis citrella* & *Papilio xuthus* bred from *Cordia subcordata*. [P. B.]
- Various authors, "Notes and exhibitions." *Proc. Hawaiian ent. Soc.*, vol.15: pp.263-291. 1954. Includes records of *Prays* sp. feeding on *Pelea*, *Anacamptodes fragularia* on broccoli, *Spilonota holotephras* on guava; also parasites of *Plutella*, *Bedellia*, & *Cactoblastis cactorum*. [P. B.]
- Various authors, "Notes and exhibitions." *Proc. Hawaiian ent. Soc.*, vol.15: pp.373-390. 1955. Including record of *Achaea janata* on *Schinus terebinthifolius*; parasites of *Laphygma exempta*, *Spodoptera mauritia*, *Cactoblastis cactorum*, & *Ethmia colonella*. [P. B.]
- Various authors, "Notes and exhibitions." *Proc. Hawaiian ent. Soc.*, vol.16: pp.1-19. 1956. Includes new parasite record from *Omiodes accepta*, & notes on damage to cactus by *Cactoblastis cactorum*. [P. B.]
- Vasic, Konstantin, "Contribution à la connaissance de la morphologie et de la biologie d'*Euxoa aquilina* Schiff." [in Serbian; French summary]. *Acad. serbe Sci. XXXI, Inst. Ecol. Biogeogr.* no.4: pp.185-208, 2 pls. 1953. All stages described in detail; good characters found in pectinations of antennae. In captivity isolated pairs of *E. aquilina* & *E. temera* will not copulate, but mating is easily obtained with crowding. All related Serbian *Euxoa* figured; reproduction of figs. poor. [C. R.]
- Vasiljević, Lj., "Les recherches sur la pathologie de l'écaille fileuse (*Hyphantria cunea* Dr.) en Yougoslavie" [in French]. *Entomophaga*, vol. 1: pp.98-100, 1 fig. 1956. Report on lethality of *Bacillus* spp. to larvae. [P. B.]
- Veber, J., "A cytoplasmic polyhedral disease of the Gypsy Moth (*Lymantria dispar* L.)." *Nature*, vol.179: pp.1304-1305, 3 figs. 1957. Naturally occurring pathogen, also infective to other Lepidoptera. [P. B.]
- van der Vecht, J., "Parasitism in an outbreak of the coconut moth (*Artona catoxantha* (Hamps.) in Java (Lep.)." *Ent. Berichten*, vol.15: pp.122-132, 2 figs. 1954. Interesting analysis of intensity of parasitization & influence of parasites in controlling outbreak. Reduction in vigor of *Artona* population, with decrease in number of ♀♀, developed toward end of outbreak. [P. B.]
- Venugopal, S., "*Tarache nitidula* F., a semilooper pest on cotton in south India." *Journ. Bombay nat. Hist. Soc.*, vol.54: pp.207-210, 1 pl. 1956. Describes all stages; lists alternate foodplants. [P. B.]

- Völker, Ulrich, "Zwei interessante Noctuiden-Zuchten (Lep.)" [in German]. *Mitt. münchen. ent. Ges.*, vol.42: pp.185-189, 1 pl., 1 fig. 1952. Describes rearing of *Diarsia guadarramensis* (on Water Dock) & *Pachnobia lorezi* (on Dead Nettle & Dandelion); describes & figures larva & pupa of former. [P. B.]
- Vogel, W., J. Klingler, & Th. Wildbolz, "*Pamene rhediella* Clerck, der Bodensee-wickler, ein bisher übersehener Obstschädling" [in German]. *Mitt. schweiz. ent. Ges.*, vol.29: pp.283-301, 10 figs. 1956. Biology & control of this pest of fruit trees. Gives distinguishing characters of larva; records 2 parasites. Also records *P. argyrana* & *P. spiniana* from fruit trees. [P. B.]
- Voukassovitch, P., "Contribution à l'étude de *Lymantria dispar* en 1949" [in Serbocroatian; French summary]. *Bull. Mus. Hist. nat. Pays serbe*, vol. 3/4: pp.273-291, 5 figs. 1950. Mainly on importance of larvaevorid flies in controlling outbreak. [P. B.]
- Voukassovitch, P., "Sur les grandes variations individuelles dans les éclosions des oeufs de *Lymantria dispar* ayant anormalement hiverne" [in Serbocroatian; French summary]. *Bull. Mus. Hist. nat. Pays serbe*, vol.7: pp.127-147, 1 fig. 1955. Eggs laid by one ♀ in few hours hatch over much longer period after hibernation; this period is greatly extended by keeping eggs indoors at constant temperature. [P. B.]
- Voûte, A. D., "*Coleophora laricella* Hb. on *Pseudotsuga taxifolia* Britt." [in Dutch; English summary]. *Nederl. Boschbouw-Tijdschr.*, vol.24: pp.244-246. 1952.
- Wachtendorf, Wolfgang, "Untersuchungen über Lebensweise und Bekämpfungsmöglichkeiten der Erdräupen (*Agrotis ypsilon* Rott., Lep. Noct.)" [in German]. *Zeitschr. angew. Ent.*, vol.37: pp.462-471. 1955. Notes on biology (number of eggs laid, number of instars and their duration, foodplants, phenology, etc.). [P. B.]
- Wahlgren, Einar, "Cecidiologiska anteckningar VI" [in Swedish]. *Ent. Tidskr.*, vol.72: pp.84-156. 1951. Records of galls and the animals causing them, including spp. of *Evetria*, *Epiblema*, *Nepticula*, *Laspeyresia*. [P. B.]
- Wakabayashi, Morio, "Larva of *Lethe marginalis* Motschulsky (Satyridae)" [in Japanese]. *New Entomologist*, vol.3: p.25. 1953. Foodplant: *Sasa* sp. [T. I.]
- Wakely, S., "Some observations on *Mompha nodicolella* Fuchs." *Ent. Rec. & Journ. Var.*, vol.63: pp.274-275. 1951.
- Wakely, S., "Notes on *Ethmia bipunctella* Fabr. and *E. terminella* Fletcher." *Proc. Trans. south London ent. nat. Hist. Soc.*, 1951-52: pp.144-145, 1 pl. 1952. Notes on biology (both feed on *Echium vulgare*); figures various stages & ♀ genitalia. [P. B.]
- Wakely, S., "Further notes on *Mompha nodicolella* Fuchs." *Ent. Rec. & Journ. Var.*, vol. 65: p.6. 1953.
- Wakely, S., "Notes on *Coleophora salicorniae* Wocke." *Ent. Rec. & Journ. Var.*, vol.67: pp.192-193. 1955. Notes on biology & distribution in England. [P. B.]
- Wakely, S., "Notes on *Isophrictis tanacetella* Schrank." *Ent. Rec. & Journ. Var.*, vol.69: pp.257-258. 1957. Reared from dead seed heads of *Tanacetum*. [P. B.]
- Wakely, S., "Notes on the Tineina." *Ent. Rec. & Journ. Var.*, vol.70: pp.48-50. 1958. Biology & phenology of British spp. [P. B.]
- Wallace, M. M. H., & J. A. Mahon, "Webworm damage to pastures in the south-west of Western Australia." *Journ. Austral. Inst. agric. Sci.*, vol.18: pp.91-94. 1952. Damage by *Talis pedionoma* (Crambinae) to improved pastures and its insecticidal control described. [I. C.]
- Walter, Hans, "Eine, ex ovo Zucht von *Actias selene*" [in German]. *Ent. Nachricht-enbl.*, Burgdorf, vol.4: pp.10-12, 1 fig. 1950. Describes rearing, on walnut; plots growth curve. Larvae completed development after first frost, at temperatures as low as 5° C., feeding on dead leaves. [P. B.]
- Warnecke, G., "Zur Frage der Überwinterung von *Plusia gamma* L. in Nordwest-deutschland" [in German]. *Bombus*, no.36: pp.158-159. 1947. Species winters in all stages, but not as larva in north Germany. [P. B.]

- Warnecke, Georg, "Einiges über *Graellsia isabellae* Graells (Lep. Saturn.)" [in German]. *Ent. Nachrichtenbl.*, Burgdorf, vol.2: pp.60-61. 1948. Foodplant *Pinus silvestris*, not *P. maritima*. Summarizes distribution. [P. B.]
- Warnecke, Georg, "Etwas über den Matterhorn-Bär, *Arctia (Orodemnias) cervini* Fallou (Lep. Arct.)" [in German]. *Ent. Nachrichtenbl.*, Burgdorf, vol.3: pp.97-98. 1949. Notes on habitat & biology of this very local high alpine sp. [P. B.]
- Warnecke, Georg, "Die Futterpflanzen der Raupe von *Taeniocampa gracilis* F." [in German]. *Mitt. Faunist. Arbeitsgem. Schleswig-Holstein*, vol.9: p.34. 1956. Polyphagous larva; records numerous foodplants. [P. B.]
- Warren, L. O., "Behavior of Angoumois Grain Moth on several strains of corn at two moisture levels." *Journ. econ. Ent.*, vol.49: pp.316-319. 1956. *Sitotroga cerealella* reacted to the moisture content, but no differences were shown between strains. [W. C.]
- Warren, L. O., & J. E. Roberts, "A hesperiid, *Atalopedes campestris* (Bdv.) as a pest of Bermuda grass pastures." *Journ. Kansas ent. Soc.*, vol.29: pp.139-141. 1956. Serious damage noted to Bermuda grass in lawns and pastures in Arkansas in 1955. Larvae moved like armyworms, all toward the south-southeast. Notes on life history. [W. C.]
- Wasser, Harriette Block, & Edward A. Steinhaus, "Isolation of a virus causing granulosis in the Red-banded Leaf Roller." *Virginia Journ. Sci.*, vol.2: pp.91-92, 5 figs. 1951. Parasite of *Argyrotaenia velutinana*. [P. B.]
- Weber, P. W., "Recent liberations of beneficial insects - III." *Proc. Hawaiian ent. Soc.*, vol.15: pp.396-370. 1954. Records *Blepharomastix acutangulalis* on *Lantana camara*. [P. B.]
- Weekman, Gerald Thomas, "Ecological studies of European Corn Borer populations in Boone County, Iowa." *Iowa State Coll. Journ. Sci.*, vol.32: pp.284-285. 1957. Abstract.
- Weidman, R. H., & G. T. Robbins, "Attacks of Pitch Moth and Turpentine Beetle on pines in the Eddy Arboretum." *Journ. Forestry*, vol.45: pp.428-433. 1947. Records frequency of attacks by *Vespamima sequoiae* on 37 pine spp., varieties, & hybrids in experimental plantation. The native host, *Pinus ponderosa*, was infested less than many exotic spp. [P. B.]
- Weidner, Herbert, "Die Insekten der 'Kulturwüste' (Vorarbeiten zu einer Ökologie der Grossstadt)" [in German]. *Mitt. hamburg. zool. Mus. Inst.*, vol.51: pp.89-173. 1952. Study of insects associated with civilization in large cities such as Hamburg; includes 29 Lepidoptera (mainly spp. living or wintering in houses). [P. B.]
- Weidner, Herbert, "Vorratsschutzprobleme in Nigeria" [in German]. *Zeitschr. Pflanzenkrankh.*, vol.61: pp.70-73. 1954. Includes *Plodia interpunctella*, *Ephestia cautella*, *Corcyra cephalonica*, *Pyralis manihotalis*, & *Tinea fuscipunctella*, on peanuts; the first 3 also on cocoa beans and, with *Sitotroga cerealella*, in grain; *E. cautella* on palm nuts. [P. B.]
- Weiser, Jaroslav, "Klíč k určování mikrosporidií" [in Czech]. *Acta Soc. Scient. Nat. Moravicae*, vol.18: pp.1-64, 9 pls. 1947. Key to the genera & spp. of Microsporidia; for spp. found as parasites in Lepidoptera, see pp.33-36. [J. M.]
- Weiser, Jaroslav, "Zur systematischen Stellung der Schizogregarinen der Mehlmotte, *Ephestia kuehniella* Z." [in German]. *Arch. Protistenk.*, vol.100: pp.127-142, 3 pls. 1954. Life cycle of *Mattesia dispersa*, also found in *Plodia*; notes on *M. povolvnyi* from *Homoeosoma nebulellum*. [P. B.]
- Weiser, Jaroslav, "*Neoapectana carpocapsae* n. sp. (Anguillulata, Steinernematinae), ein neuer Schmarozer des Apfelwicklers, *Carpocapsa pomonella* L." [in Czech; Russian & German summaries]. *Acta Soc. zool. Bohemoslav.*, vol.19: pp.45-52, 11 figs. 1955. Describes new worm parasite of larvae of *C. pomonella* and gives survey of nematode genus *Neoapectana* with hosts (mainly Lepidoptera). [J. M.]
- Weiser, Jaroslav, "Die Krankheiten des Tannentriebwicklers, *Cacoecia murinana* Hb. in der Mittelslowakei (ČSR)" [in German; English summary]. *Zeitschr. Pflanzenkrankh.*, vol.63: pp.193-197, 3 figs. 1956. Records 7 microorganisms causing disease in this tortricid (viruses, bacteria, Protozoa). [P. B.]

- Weiser, Jaroslav, "Protozoäre Infektionen im Kampfe gegen Insekten" [in German; English summary]. *Zeitschr. Pflanzenkrankh.*, vol.63: pp.625-638, 6 figs. 1956. General discussion of Protozoa, particularly Microsporidia, as insect pathogens. Records protozoan parasites of various harmful Lepidoptera. [P. B.]
- Weiser, Jaroslav, "Unsere Ergebnisse in der Erforschung der Krankheiten der Insekten" [in Czech; Russian & German summaries]. *Acta Soc. ent. Českosloveniae*, vol.52: pp.61-76. 1956. List of diseases of insects in Czechoslovakia; discusses 28 spp. of Lepidoptera. [J. M.]
- Weiser, Jaroslav, "Mikrosporidien des Schwammspinners und Goldafters" [in German; English summary]. *Zeitschr. angew. Ent.*, vol.40: pp.509-521, 6 figs. 1957. Pathogens of *Lymantria dispar* & *Nygmia phaeorrhoea*. [P. B.]
- Weiser, Jaroslav, & Jaroslav Weber, "Die Mikrosporidie *Thelohania hyphantriae* Weiser des weissen Bärenspinners und anderer Mitglieder seiner Biocönose" [in German; English summary]. *Zeitschr. angew. Ent.*, vol.40: pp.55-70, 7 figs. 1957. Describes biology of parasite of *Hyphantria cunea*, *Nygmia phaeorrhoea*, *Yponomeuta malinella*, & *Malacosoma neustria*. [P. B.]
- Weismann, L., & J. Jasič, "Beitrag zur Bionomie der Rubenmotte (*Gnorimoschema ocellatellum* Boyd)" [in Slovak; Russian & German summaries]. *Biológia*, Bratislava, vol.10: pp.604-612. 3 figs. 1955. Biology described. [J. M.]
- Weisman, Ludovít, & Ján Jasič, "Beitrag zur Bionomie der Rubenmotte (*Gnorimoschema ocellatellum* Boyd) II." [in Slovak; German & Russian summaries]. *Biológia*, Bratislava, vol.11: pp.32-46. 1956. Life history of this sp. in S. Slovakia discussed. [J. M.]
- Weiss, Harry B., & William M. Boyd, "Insect feculae, II," *Journ. New York ent. Soc.*, vol.60: pp.25-29. 1952. Describes feces of 9 spp. of Lepidoptera. [P. B.]
- Wellenstein, Gustav, "Die Insektenjagd der Roten Waldameise (*Formica rufa* L.)" [in German]. *Zeitschr. angew. Ent.*, vol.36: pp.185-217, 6 figs. 1954. Numerous caterpillars are among prey of this ant. Those too large to be overpowered are eventually weakened by formic acid, and so killed. Spiny larvae, and especially those with long hair, give ants most difficulty. [P. B.]
- Wellenstein, Gustav, "Was können wir von der Roten Waldameise im Forstschutz erwarten?" [in German]. *Beitr. Ent.*, vol.4: pp.117-138, 4 figs. 1954. Observations of predation by *Formica rufa* on various larvae of Lepidoptera. [P. B.]
- Wellington, Eunice F., "Amino acids of two insect viruses." *Biochem. biophys. Acta*, vol.7: pp.238-243. 1951. Parasites of *Bombyx mori* and *Cacoecia murinana*. [P. B.]
- Wellington, W. G., "Air-mass climatology of Ontario north of Lake Huron and Lake Superior before outbreaks of the Spruce Budworm, *Choristoneura fumiferana* (Clem.), and the Forest Tent Caterpillar, *Malacosoma disstria* Hbn. (Lepidoptera: Tortricidae; Lasiocampidae)." *Canad. Journ. Zool.*, vol.30: pp.114-127, 3 figs. 1952. *C. fumiferana* develops best in clear, dry weather, *M. disstria* in warm, humid, cloudy weather. Air-mass movements producing optimum conditions for these spp. are described. [P. B.]
- Wenck, E., "Elevage d'hiver d'*Agrotis janthina*" [in French]. *Bull. Soc. ent. Mulhouse*, 1948: p.47. Reared in winter on cabbage & lettuce. [P. B.]
- Wene, George P., & George Otey, "Insects injuring experimental plantings of flax and sesame." *Texas Journ. Sci.*, vol.8: pp.235-236. 1956. *Heliothis armigera*, *H. virescens*.
- West, Oliver, "Larval parasite of *Dichapetalum cymosum*." *South Afr. Sci.*, vol.1: pp.68-69, 1 fig. 1947. Foodplant of *Sindris albimaculalis* (Pyralidae); plant poisonous to cattle. [P. B.]
- Wester, Clifford, "Comparative bionomics of two species of *Heliodines* on *Mirabilis*." *Proc. ent. Soc. Washington*, vol.58: pp.43-46. 1956. *H. nyctaginella*, leaf skeletonizer with 5 generations a year, overwinters as pupa. *H. ignis*, a stem borer with 3 generations a year, overwinters as prepupa. Both feed on Wild Four-o'clock (*Mirabilis nyctaginea*). [W. C.]
- Wilcke, H., "Einiges über *Poecilocampa populi* L. var. *alpina* Frey." [in German]. *Ent. Nachrichtenbl.*, Burgdorf, vol.3: pp.75-76. 1949. Foodplant larch. Notes on habitat, adult behavior, & variation. [P. B.]

- de Wilde, A. G., "Determinatielijsten voor Nederlandse rupsen" [in Dutch]. *Ent. Berichten*, vol.16: pp.121-125. 1956. Gives keys to Dutch caterpillars; introduction, & families Papilionidae, Pieridae, & Nymphalidae. [A. D.]
- Wiltshire, E. P., "Erste Stände palaearktischer Lepidopteren XI" [in German]. *Zeitschr. wiener ent. Ges.*, vol.42: pp.149-155, 1 pl. 1957. Notes on early stages (foodplants in parentheses): *Doritis apollinus apollinaris* (*Aristolochia maurorum*); *Zerynthia cerisyi* (*A. maurorum*); *Melitaea perseae taurica* (*Linaria*); *Spodoptera capicola latebrosa* (grasses etc.); *Caradrina zobeidah*; *Anua tirhaca* (*Myrtus*, *Pistacia terebinthus*); *Loxostege nudalis* (rape, *Amaranthus*); *Pionea confinalis*; *Anthrocera tamara placida* (*Prangos?* sp.). [P. B.]
- Wise, K. A. J., "A common moth in Aukland." *New Zealand Ent.*, vol.1: pp.11-12. 1953. Records *Opogona omoscopia* (Lyonetiidae) as one of the commonest species at Aukland, N. Z. Gives list of economic hosts, including strawberry, squash, pumpkin, bulbs, & peach stone. [I. C.]
- Wise, K. A. J., "Host plants of *Lithocolletis messaniella*." *New Zealand Journ. Sci. Tech.* (A), vol.35: pp.172-174, 1 pl. 1953. This introduced species, recorded attacking only *Quercus* spp., *Castanea sativa*, & *Carpinus betulus* in Europe, has extended its host range in New Zealand, not only to various introduced shade trees including the European *Fagus*, but to the native *Nothofagus fusca* and *N. procera*. A host list is given. [I. C.]
- Wise, K. A. J., "Records and observations of New Zealand Lepidoptera." *New Zealand Ent.*, vol.1: pp.27-28. 1954. Reports two additional hosts of the European *Lithocolletis messaniella* in New Zealand: *Pyrus malus* (apple) and *Prunus* (ornamental cherry). Also records the larvae of *Tortrix excessana* overwintering beneath the bark of elm (*Ulmus*). [I. C.]
- Wise, K. A. J., "Records of three common leaf-rollers." *New Zealand Ent.*, vol.2: pp.15-18. 1956. A list of host plants of *Austrotortrix postvittana*, *Tortrix excessana*, & *Ctenopseustis obliquana* (Tortricidae) in New Zealand. [I. C.]
- Wittig, G., & J. Franz, "Zur Histopathologie der Granulose von *Choristoneura murinana* (Hbn.) (Lepidopt., Tortricidae)" [in German]. *Naturwissenschaften*, vol.44: pp.564-565, 1 fig. 1957. Describes cellular changes resulting from virus disease. [P. B.]
- Wittstadt, Heinrich, "Ueber die Zucht von *Saturnia pyri* Schiff. und den Einfluss der Behandlung der Futterpflanzen" [in German]. *Ent. Nachrichtenbl.*, Burgdorf, vol.3: pp.24-26. 1949. Notes from many years' experience in rearing this sp. Regards foodplant kept in water as potentially harmful. [P. B.]
- Wittstadt, Heinrich, "Über die Zucht von *Bunea alcinoe* Stoll" [in German]. *Zeitschr. wiener ent. Ges.*, vol.63: pp.26-29. 1952. Describes early stages and rearing (in Europe); larvae polyphagous. [P. B.]
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INTERNATIONAL COMMISSION ON ZOOLOGICAL
NOMENCLATURE NOTICE ON USE OF PLENARY POWERS

In accordance with a decision of the 13th International Congress of Zoology, 1948, public notice is hereby given of the possible use by the International Commission on Zoological Nomenclature of its plenary powers in connection with the following case, full details of which will be found in *Bulletin of Zoological Nomenclature*, Vol. 20, Part 6, published on 6 Dec. 1963.

Validation of a neotype for *Coenonympha ochracea* Edwards,
1861 (Insecta, Lepidoptera). Z. N. (S.) 1607.

Any zoologist who wishes to comment on this specific case should do so in writing, and in duplicate, as soon as possible, and in any case before 6 June 1964. Each comment should bear the reference number of the case. Comments received early enough will be published in the *Bulletin of Zoological Nomenclature*. Those received too late for publication will, if received before 6 June 1964, be brought to the attention of the Commission at the time voting begins.

All communications on the above subject should be addressed as follows:

The Secretary,
International Commission on Zoological Nomenclature,
c/o British Museum (Natural History),
Cromwell Road,
LONDON, S. W. 7, ENGLAND.

W. E. CHINA

Acting Secretary to the International Commission on Zoological Nomenclature