

A PRELIMINARY LIST OF THE HETEROCERA OF THE NELSON-ROBSON-TRAIL DISTRICT OF BRITISH COLUMBIA (Insecta: Lepidoptera)

HAROLD R. FOXLEE¹
Robson, B.C.

The following list had its beginning in a small collection of Lepidoptera made at Nelson by the late Harry Cane, and now in my possession; few of his specimens show dates of capture. Localities other than Nelson represent my collecting; most of the species from Brilliant were taken at light, chiefly at a number of 1,000-watt flood lights.

The Nelson-Robson-Trail district is in the southern part of the West Kootenay region of British Columbia, adjacent to the northeastern corner of the State of Washington. The localities are as follows, and all are within the quadrilateral between the 49th and 50th parallels of latitude and the 117th and 118th meridians of longitude; Warfield is a suburb of Trail.

B.—Brilliant.	Elevation ca.	1,550	ft.
N.—Nelson	" "	1,774	"
R.—Robson	" "	1,410	"
T.—Trail	" "	1,400	"
W.—Warfield	" "	1,900	"

The numbers preceding the names are those of the recent McDunnough "Check List of the Lepidoptera of Canada and the United States of America," vol. 1, 1938; vol. 2, 1939.

SPHINGIDAE

- 693 *Herse cingulata* Fabr. (R.)June
- 719 *Sphinx chersis* Hbn. (R.)
- 721 *Sphinx mordecai* McD. (R.B.)June, July
- 730 *Sphinx drupiferarum utahensis* Hy. Edw. (R.)June
- 740 *Smerinthus cerisyi ophthalmicus* Bdv. (B.N.R.W.)May, June, July
- 741 *Paonias excaecata* A. & S. (B.R.)18.VI.40
- 742 *Paonias myops occidentalis* Clark (R.)26.VI.39
- 745 *Pachysphinx modesta* Harr. (N.R.W.)July
- 770 *Hemaris thetis* Bdv. (R.) ..April, May
- 789 *Proserpinus clarkiae* Bdv. (N.R.)April, May

- 790 *Proserpinus flavofasciata ulalume* Stk. (R.)May
- 798 *Celerio gallii intermedia* Kby. (B.R.W.)June
- 799 *Celerio lineata* Fbr. (R.)May

SATURNIIDAE

- 807 *Platysamia euryalus kastoensis* Ckll. (R.)May
- 812 *Telea polyphemus* Cram. (N.W.)3.VI.43
- 841 *Pseudohazis hera* Harr. (R.) .13.IV.41

AMATIDAE

- 871 *Scepsis fulvicollis pallens* Hy. Edw. (B.)15.VII.44

NOLIDAE

- 891 *Celama minna* Butl. (B.)11.IV.44
- 911 *Crambidia casta* Pack (N.)
- 958 *Hypoprepia miniata* Kby. (N.)
- 980 *Halisidota maculata angulifera* Wlk. (B.N.R.W.)3.VI.43
- 991 *Cyenia tenera sciurus* Bdv. (N.R.W.)June, July
- 1023 *Eubaphe ferruginosa* Wlk. (N.R.)June, July
- 1039 *Apantesis ornata achaia* G. & R. (R.W.)May, June
- 1063 *Leptarctia californiae* Wlk. (N.R.)May, June
- 1065 *Diacrisia virginica* Fabr. (N.R.W.)
- 1066 *Diacrisia vagans kasloa* Dyar (N.R.)May
- 1069 *Isia isabella* A. & S. (B.N.R.)
- 1070 *Estigmene acrea* Dru. (B.N.W.)May, June
- 1092 *Parasemia parthenos* Harr. (B.N.)12.VII.44
- 1096 *Platyrepia guttata f. virginalis* Bdv. (B.N.)June

AGARISTIDAE

- 1109 *Androloma mac-cullochi* Kby (N.)
- 1116 *Alypia langtoni* Couper (N.R.)May, June

PHALAEINIDAE

- 1152 *Acronicta hesperida* Sm. (N.W.)June, July, Aug.
- 1155 *Acronicta innotata griseor* Dyar (R.)11.VI.41
- 1160 *Acronicta grisea revellata* Sm. (R.)16.V.39
- 1166 *Acronicta mansueta* Sm. (B.)June, July
- 1201 *Acronicta impleta illita* Sm. (N.)8.VI.04
- 1211 *Acronicta perdita* Grt. (B.R.)May, June
- 1232 *Euwoa olivia* Morr. (B.)21.IX.44
- 1246 *Euwoa plagigera* Morr. (B.) ...30.VII.44
- 1251 *Euwoa near perolivalis* Sm. (B.)14.VII.44
- 1257 *Euwoa catenula* Grt. (R.)13.V.37
- 1274 *Euwoa intrinta* Morr. (R.)2.IX.38

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- 1282 *Euxoa* sp. in *holoberba* group
(B.)18.VIII.44
- 1284 *Euxoa* sp. in *sponsa* group (B.) .6.VII.44
- 1289 *Euxoa perfusca cocklei* Sm. (N.)
- 1310 *Euxoa messoria* Harr.
(N.R.) Aug., Sept.
- 1314 *Euxoa terrena* Sm. (B.)31.VII.44
- 1341 *Euxoa tessellata illata* Wlk.
(R.)4.VI.43
- 1351 *Euxoa declarata* Wlk. (R.) .July, Aug.
- 1352 *Euxoa campestris* Grt. (B.) .21.VII.44
- 1354 *Euxoa albipennis* Grt.
(B.R.) Aug., Sept.
- 1366 *Euxoa divergens* Wlk. (B.) .21.VIII.44
- 1370 *Euxoa obeliscoides* Gn. (R.) .1.IX.37
- 1378 *Euxoa ochrogaster* Gn.
(R.)25.VIII.43; 3.IX.43
form *insignata* Wlk.
(B.)21.IX.44
- 1379 *Euxoa excellens* Grt. (B.) .Sept., Oct.
- *Euxoa luteotincta* McD. (B.) 29.VIII.44
- 1403 *Pseudorthosia variabilis pallidior* Ckll.
(N.R.) October
- 1416 *Agrotis vetusta mutata* B. & B.
(R.)18.VIII.44
- 1426 *Agrotis vancouverensis* (typical) Grt.
(B.)24.V.44; 8.VI.44
- *Agrotis vancouverensis semiclarata* Grt.
(R.B.) May, June
- 1432 *Agrotis volubilis fumipennis* McD.
(R.)5.V.39
- 1435 *Agrotis ypsilon* Rott. (N.R.) .30.VII.44
- 1442 *Feltia ducens* Wlk. (R.)18.VIII.43
22.VII.42
- *Copablepharon*, possibly new species
(B.)7.VII.44
- 1475 *Eurois occulta* Linn (N.R.)
- 1476 *Eurois stricta subjugata* Dyar.
(B.R.)30.VII.44
- 1477 *Eurois nigra* Sm.
(B.N.R.) .11.VIII.39; 16.VIII.44
- 1480 *Ochropleura plecta* L.
(N.R.) June, July
- 1494 *Metalepsis salicarum* Wlk. (N.)
- 1496 *Peridroma margaritosa* Haw.
(N.R.)16.VIII.38
- 1499 *Pseudospaerlotis haruspica inopinatus*
Sm. (N.)
- 1510 *Diarsia rosaria* Grt. (B.R.) .May, June
- 1511 *Graphiphora c. nigrum* Linn.
(R.) June, Sept.
- 1512 *Graphiphora smithi* Snell
(R.)13.VIII.37
- 1517 *Graphiphora oblata* Morr.
(B.N.)31.VII.39; 27.VII.44
- 1544 *Setagrotis planifrons* Sm.
(B.)16.VIII.44
- 1550 *Anomogyna atrata* Morr. (R.)
- 1569 *Anaplectoides pressus* Grt.
(B.)3LVII.44
- 1570 *Anaplectoides prasina* Schiff.
(B.N.) July, Aug., Sept.
- 1571 *Protolampra rufipectus* Morr. (N.)
- 1574 *Pseudoglaea olivata* Harv.
(R.)19.IX.37; 16.IX.44
- 1575 *Cryptocala acadensis* Beth. (N.)
- 1580 *Hemigraphiphora plebeia* Sm.
(B.N.)8.VIII.43
- 1581 *Abagrotis erratica ornatus* Sm.
(B.) July, Aug.
- 1590 *Abagrotis sambo* Sm. (R.) .29.VII.38
- 1597 *Abagrotis nefascia* Sm. (N.)
- 1598 *Abagrotis variata* Grt. (N.R.) .22.VI.38
- 1599 *Abagrotis scopeops* Dyar (R.) .8.IX.38
- 1614 *Ufeus plicatus* Grt. (B.R.) .24.IV.40
- 1633 *Scotogramma trifolii* Rott.
(B.R.) Aug., Sept.
- 1660 *Mamestra configurata* Wlk.
(R.)5.VII.38
- 1662 *Polia discalis* Grt. (B.R.) .July, Aug.
- 1669 *Polia purpurissata crydina* Dyar
(B.)6.IX.44
- 1672 *Polia grandis* Bdv. (N.R.) .June
- 1673 *Polia subjuncta* G. & R. (R.) .12.VI.38
s. eleanora B. & McD.
(B.)24.VI.44
- 1678 *Polia nevadae canadensis* Sm.
(B.R.)9.VI.44; 7.VII.44
- 1679 *Polia radix* Wlk. (N.)
- 1680 *Polia segregata* Sm. (R.) .March, April
form *negussa* Sm. (B.) .28.IV.44
- 1684 *Polia tacoma* Stkr. (R.) .May
- 1689 *Polia meodana* Sm. (B.) .24.V.44
- 1691 *Polia adjuncta* Bdv. (N.)
- 1694 *Polia pulverulenta* Sm. (R.) .14.VII.38
- 1697 *Polia cristifera* Wlk. (B.) .18.VII.44
- 1699 *Polia lutra* Gn. (B.W.) .Mar., Apr., May
- 1709 *Polia detracta* (?) Wlk. (N.) .28.V.06
- 1711 *Polia obscura* (?) Sm. (B.) .17.VI.44
- 1716 *Lacinipolia anguina larissa* Sm.
(B.)24.V.44
- 1735 *Lacinipolia vicina acutipennis* Grt.
(B.)12.VII.44
- 1736 *Lacinipolia pensilis* Grt. (B.) .7.VII.44
- 1739 *Lacinipolia stricta* Wlk.
(N.R.) Aug., Sept.
- 1744 *Lacinipolia lorea* Gn. (N.R.) .14.VI.44
- 1745 *Lacinipolia olivacea lucina* Sm.
(R.)9.VIII.39; 12.VII.39
- 1746 *Lacinipolia comis* Grt.
(B.R.) July, Aug.
c. rectilinea Sm.
(B.)3.VII.37; 4.VIII.34
- 1751 *Lacinipolia illaudabilis restora* Sm.
(B.R.) July
- 1800 *Sideridis rosea* Harv.
(N.R.)25.V.38; 2.VI.44
- 1803 *Astraptes sutrina* Grt. (B.) .17.V.44
- 1808 *Anepia ectrapela* Sm. (B.R.) .May
- 1841 *Orthodes curtica bostura* Sm.
(R.W.) Aug., Sept.
- 1855 *Orthodes oviduca* Gn. (R.) .16.V.38
- 1886 *Orthodes contrahens infidelis* Dyar
(N.R.) July
- 1890 *Orthodes furfurata uniformis* Sm.
(R.) July
- 1891 *Orthodes communis* Dyar
(B.R.) July, Aug.
- 1906 *Xylomyges hiemalis* Grt.
(B.R.W.) .March, April
- 1909 *Xylomyges crucialis* Harv.
(B.R.)1.V.39
- 1914 *Xylomyges dolosa* Grt. (B.N.) 10.IX.44
- 1915 *Xylomyges rubrica* Grt. (N.)
- 1916 *Xylomyges perlubens* Grt.
(B.N.R.)12.IV.40
- 1920 *Stretchia plusiaeformis* ? Hy. Edw.
(B.)21.IV.44
- 1923 *Acerra normalis* Grt.
(B.N.R.) .March, April

- 1925 *Orthosia pulchella achsha* Dyar
(B.)21.IV.44
- 1943 *Orthosia hibisci quinquefasciata* Sm.
(B.N.R.) April, May, July, Aug.
- 1952 *Dargida procineta* Grt. (N.R.)
- 1955 *Zosteropoda hirtipes* Grt. (N.R.)
- 1992 *Leucania insueta heterodoxa* Sm.
(B.N.)20.V.44
- 1995 *Leucania luteopallens minorata* Sm.
(N.R.) ...June, July; 22.VIII.43
- 2026 *Pleroma obliquata* Sm.
(B.)10.IV.44
- 2027 *Pleroma bonuscula* Sm.
(R.)March, April
- 2029 *Pleroma cinerea* Sm. (B.) ..September
- 2041 *Cucullia florea obscurior* Sm.
(B.R.)Aug., Sept.
- 2106 *Oncocnemis chorda extremis* Sm.
(B.)6.VII.44
- 2122 *Oncocnemis figurata* Harv.
(B.)24.VI.44
- 2133 *Oncocnemis chandleri* Grt.
(R.W.)Aug., Sept.
- 2154 *Homohadena fifa* Dyar
(B.)4.VII.44
- 2184 *Feralia deceptiva* ? McD.
(B.)24.IV.44
- 2205 *Bombycia rectifascia* Sm. (B.) ...July
- 2210 *Brachyolomia populi* Stkr.
(B.)21.IX.44
- 2215 *Litholomia napaea* Mor.
(N.R.) ...18.III.45; spring and fall.
- 2216 *Lithomoia solidaginis* Hbn.
(B.)19.IX.44
- 2221 *Graptolitha innominata* Sm.
(N.R.)20.III.38
- 2222 *Graptolitha petulca* Grt.
(B.)Sept., Oct.
- *Graptolitha pertorrada* McD.
(R.)22.XI.43
- 2244 *Graptolitha georgii* Grt. (B.R.) March
- 2248 *Graptolitha fagina* Morr.
(B.W.)9.X.43; 15.X.44
- 2261 *Xylena brucei* Sm.
(B.)1.III.44; 18.X.44
- 2263 *Xylena cineritia mertena* Sm.
(B.R.)March, April, May
- 2264 *Behrensia conchiformis* Grt.
(B.R.)April
- 2268 *Platypolia anceps* Steph. (B.) ...3.X.44
- 2270 *Platypolia loda* Stkr. (W.)9.X.43
- 2278 *Fishia evelina hanhami* Sm.
(R.)Aug., Sept.
- 2288 *Anytus profunda* Sm. (R.) ...6.IX.38
- 2303 *Eupsilia tristigmata* Grt.
(B.R.)spring and fall
- 2310 *Lycanades purpurea antapica* Sm.
(R.)Sept., Oct.
- 2313 *Rusina verberata* Sm. (R.) ..2.VIII.37
- 2315 *Rusina decipiens* Grt.
(B.R.)13.VIII.38; 29.IX.43
- 2316 *Xanthia lutea* Strom. I
(N.R.W.)28.IX.43
- 2318 *Anathix puta dusca* Sm. (N.)
- 2321 *Eucirrhoedia pampina* Gn.
(N.R.)Aug.; 4.IX.37
- 2322 *Homoglaea carbonaria* Harv.
(B.R.)spring and fall
- 2323 *Homoglaea dives* Sm.
(B.W.)spring and fall
- 2342 *Septis auranticolor sora* Sm.
(N.W.)5.X.43
- 2351 *Septis arctica* Frr. (R.)9.X.43
- 2352 *Septis castanea* Grt. (N.R.) Aug., Sept.
- 2356 *Septis centralis* Sm. (B.)12.VII.44
- 2362 *Septis impulsiva* Gn. (B.)1.VIII.44
- 2365 *Septis fnitima cerviana* Sm.
(N.R.)May, June, July
- 2368 *Agroperina dubitans* Wlk.
(N.R.)June, July, Aug.
- 2375 *Crymodes devastator* Brace
(N.R.)July, Aug.
- 2393 *Luperina passer* Gn. (R.) ...30.VIII.38
- 2400 *Aseptis binotata* Wlk. (N.R.) 14.VII.44
- 2401 *Aseptis adnisa* ? Grt. (R.)
- 2413 *Oligia indirecta* Grt. (B.N.R.) 1.VII.44
- 2423 *Oligia illocata* Wlk.
(B.N.R.)20.VI.37; 12.IX.44
- 2424 *Oligia mactata allecto* Sm.
(B.N.R.)20.IX.26; 24.VII.44
- 2467 *Hydroecia pallescens* Sm. (R.)
- 2533 *Euplexia benesimilis* McD.
(B.N.R.)10.V.38; 20.VII.44
- 2536 *Phlogophora periculosa* Gn.
(B.N.R.)July, Aug.
- 2557 *Chytonix divesta laticlava* Sm.
(B.R.)August
- 2584 *Amphipyra pyramidoides* Gn.
(N.R.)3.VIII.37
- 2602 *Andropolia aedon* Grt. (B.R.)July
- 2603 *Andropolia theodori vancouvera*
Strand. (B.R.)Aug., Sept.
- 2609 *Hyppa indistincta* Sm. (N.R.) 1.VII.37
- 2640 *Neperigea niveirena* Harv.
(B.)12.VII.44
- 2655 *Platyperigea multifera* Wlk.
(B.)9.VI.44; 18.VIII.44
- 2656 *Platyperigea extima* Wlk.
(B.)5.VIII.37; 11.X.44
- 2657 *Platyperigea meralis* Morr.
(B.)1.VIII.37
- 2662 *Proxenus miranda nitens* Dyar
(B.)15.VI.44
- 2685 *Enargia decolor* Wlk. (B.N.) 20.IX.44
form *infumata* Grt. (B.W.) 25.VIII.43
- 2686 *Zotheca tranquilla f. viridula* Grt.
(B.N.W.)22.VII.43
- 2715 *Pyrrhia umbra exprimens* Wlk.
(N.R.)June; 12.VII.39
- 2885 *Annaphila decia* Grt.
(N.R.B.)9.III.41; April
- 2913 *Melicleptria sueta* Grt. (R.) April, May
- 2931 *Heliothis phloxiphaga* G. & R.
(N.R.)3.IX.37
- 3223 *Marathyssa inficita* Wlk. (B.) 9.VI.41
- 3235 *Sarrothripus revayana* Scop. (N.)
- 3254 *Autographa rect. nargenta* Ottol.
(R.)1.IX.37; VIII.38
- 3256 *Autographa angulidens excelsana*
Strand (R.)30.VI.41
- 3257 *Autographa alias interalia* Ottol.
(B.)9.VIII.44
- 3265 *Autographa ampla* Wlk.
(B.N.R.)28.VIII.43
- 3266 *Autographa selecta* Wlk.
(R.)Aug., Sept.
- 3269 *Autographa brassicae* Riley
(R.)7.VII.37
- 3286 *Autographa mappa* G. & R. (N.)
- 3287 *Autographa pseudogamma* Grt. (N.)

- 3288 *Autographa californica* Speyer
(N.R.)29.IX.43
- 3291 *Autographa flagellum* Wlk. (N.)
- 3292 *Autographa metallica* Grt.
(N.R.)Aug., Sept.
- 3295 *Plusia aereoides* Grt.
(N.R.)July
- 3344 *Catocala relicta elda* Behr.
(R.)Aug., Sept.
- 3355 *Catocala californica* Edw.
(R.)Aug., Sept.
Catocala c. edwardsi Kus. (R.) August
- 3357 *Catocala briseis* Edw.
(B.R.)Aug., Sept., Oct.
- 3359 *Catocala pura* Hlst. (R.)July
- 3360 *Catocala nevadensis* Beut.
(R.)July, Aug., Sept.
form *montana* Beut. (R.) July, Aug.
- 3426 *Euclidina cuspidata* Hbn.
(R.)May, June
- 3431 *Caenurgina erechtea* Cram.
(B.R.W.)July, Aug.
- 3484 *Zale minerea norda* Sm.
(B.N.R.W.)May
- 3538 *Toxocampa victoria* Grt. (N.R.)
- 3551 *Melipotis jucunda* Hbn.
(N.R.)May, Aug.
- 3569 *Synedoida sabulosa nichollae* Hamp.
(B.)30.V.44
- 3572 *Synedoida ochracea* Behr.
(N.R.)May
- 3573 *Synedoida divergens* Behr.
(B.N.R.)June
- 3574 *Synedoida hudsonica* G. & R. (N.)
- 3578 *Synedoida adumbrata* Behr.
(B.N.R.)May
- 3615 *Scoliopteryx libatrix* L. (R.)
- 3684 *Spargaloma sexpunctata* Grt.
(N.R.)17.VI.44
- 3690 *Bomolocha palparia* Wlk.
(B.)17.VI.44; 12.VII.44
- 3706 *Hypena humuli* Harr. (N.R.)
- 3734 *Camptyllochila americana* Gn.
(R.)23.VIII.44
- 3735 *Camptyllochila aemula* Hbn. (B.) July
- 3746 *Camptyllochila lubricalis* Geyer.
(B.)July
- 3765 *Epizeuxis litalba* Sm. (R.)23.VI.38
- 3766 *Chytolita morbidalis* Gn. (N.R.)
- 3797 *Bleptina caradrinalis* Gn. (N.R.)
- 3807 *Palthis angulalis* Hbn. (N.R.)June
- PERICOPIDAE
- 3817 *Gnophaela latipennis vermiculata*
G. & R. (N.)
- NOTODONTIDAE
- 3822 *Ichthyura apicalis* Wlk.
(N.R.W.)30.IV.41; 4.VI.43
- 3827 *Ichthyura albosigma specifca* Dyar
(N.R.)1.V.40
- 3829 *Datana ministra* Dru.
(B.N.R.)24.VI.44
- 3847 *Odontosia elegans* Stkr.
(B.N.)12.VII.44
- 3851 *Pheosia rimosa* Pack. (B.W.)
12.V.44 (Brill.); 4.IX.43 (Warf.)
- 3857 *Nadata gibbosa* Wlk.
(B.R.N.)May, June
- 3920 *Schizura ipomoeae* Dbldy.
(B.R.N.W.)June, July
- 3924 *Schizura unicornis* A. & S.
(B.)30.V.44; 24.VI.44
- 3934 *Cerura occidentalis gigans*, McD.
(R.)24.V.38
- 3938 *Cerura scolopendrina* Bdv.
(B.N.R.W.)April, May
- 3939 *Gluphisia septentrionalis* Wlk. (N.)
- 3940 *Gluphisia lintneri severa*
form *normalis* Dyar (B.N.) 23.IV.44
- LIPARIDAE
- 3943 *Notolophus antiqua* L. (N.)
- 3954 *Olene vagans* B. & McD.
(B.R.W.)May, June
- LASIOCAMPIDAE
- 3994 *Malacosoma pluvialis* Dyar
(B.N.R.W.)July, Aug.
- 3999 *Epicnaptera americana* Harr.
(B.N.R.W.)April, May
- THYATIRIDAE
- 4004 *Habrosyne scripta* Gosse.
(B.N.R.W.)June, July, Aug.
- 4007 *Pseudothyatira cymatophoroides* Gn.
(B.R.)June, July
form *expultrix* Grt. (W.) .5.VII.38
- *Ceranemota albertae* Clike.
(B.N.R.W.)21.IX.44
- DREPANIDAE
- 4020 *Drepana arcuata sicutifer* Pack. (N.R.)
- 4021 *Drepana bilineata* Pack. (R.) 19.IV.39
- GEOMETRIDAE
- 4023 *Brephos infans oregonensis* Swett
(B.R.)March, April, May
- 4059 *Nemorina darwiniata* Dyar
(B.N.)6.IX.44
- 4090 *Mesothea viridipennata* Hlst. (N.)
- 4134 *Xystrota rubromarginaria* Pack.
(B.)3.V.44
- 4144 *Scopula quinquelinearia* Pack.
(B.)17.VI.44
- 4153 *Scopula quaesitata* Hlst. (R.) 17.VI.38
- 4180 *Sterrha demissaria columbia* McD.
(B.)15.VII.44
- 4195 *Sterrha rotundopennata* Pack. (N.)
- 4211 *Cosymbia pendulinaria griseor* McD.
(R.)
- 4223 *Nyctobia limitaria nigroangulata* Stkr.
(B.)23.V.44
- 4229 *Lobophora magnoliatoidata* Dyar
(B.)7.V.44
- 4235 *Neodezia albavittata* Gn.
(B.N.R.W.)May, June, July
- 4239 *Oporophora bruceata* Hlst.
(B.R.W.)Sept., Oct.
- 4243 *Oporinia autumnata omissa* Harr.
(B.R.W.)Sept., Oct.
- 4244 *Triphosa haesitata* Gn.
(N.R.)22.X.42; 10.XI.43
- 4248 *Coryphista meadi f. badiaria* Hy. Edw.
(B.R.)May, June
- 4267 *Eupithecia misturata* Hlst.²
(R.)1.IX.37
- 4276 *Eupithecia castigata* Hbn. (N.)
- 4288 *Eupithecia columbiata* Dyar (N.)

² Mr. Freeman reports that some *Eupithecia* identifications are tentative, and a few changes may result from examinations of the genitalia.

- 4290 *Eupithecia maestosa dyarata* Tayl.
(B.)19.V.44
- 4331 *Eupithecia geminata* Pack. (N.)
- 4335 *Eupithecia perfusca kootenaiata* Dyar
(B.)24.V.44
- 4338 *Eupithecia multiscripta* Hlst.
(B.)28.V.44
- 4341 *Eupithecia georgii* McD. (N.R.)
- 4378 *Eupithecia probata* S. & C.
(R.B.)14.VII.44
- 4383 *Eupithecia ravocostaliata* Pack.
(N.R.)March
- 4393 *Horisme intestinata* Gn. (B.) ..1.VI.44
- 4398 *Eustroma semiatrata* Hlst.
(B.N.R.W.) ..27.V.44; 25.VIII.44
- 4402 *Lygris propulsata* Wlk. (N.)
- 4407 *Lygris xyliana* Hlst. (N.B.) ..13.VII.44
- 4412 *Plemyria georgii* Hlst. (N.)
- 4416 *Dysstroma citrata* Linn.
(B.R.N.)Sept., Oct.
c. mulleolata Hlst. (W.) ..24.IX.43
- 4419 *Dysstroma ethela kasloata* Tayl.
(W.B.)6.VIII.43
- 4429 *Ceratodalia gueneata* Pack.
(B.N.R.W.)July, Aug., Sept.
- 4465 *Hydriomena furcata* Thun.
(B.N.)March, July
- 4485 *Hydriomena renunciata f. pernigrata*
B. & McD. (B.N.)16.V.39
- 4511 *Xanthorhoe designata emendata*
Pears. (B.)21.VII.44
- 4513 *Xanthorhoe munitata* Hbn.
(R.)14.IV.41
- 4515 *Xanthorhoe defensaria* Gn. (R.) I.V.40
form *mephistaria* Swett
(B.)31.VIII.41
- 4516 *Xanthorhoe ferrugata* Clerk
(B.N.R.)April, May
- 4541 *Entephria multivagata* Hlst.
(N.R.)16.VI.44
- 4546 *Mesoleuca ruficiliata* Gn. (N.R.)
- 4547 *Mesoleuca gratulata latialbata*
B. & McD. (N.R.W.) April, May
- 4551 *Epirrhoe alternata* Mull. (N.)
- 4555 *Spargania magnoliata pernotata* Hlst.
(B.N.R.W.)Sept., Oct.
- 4556 *Spargania luctuata* Schiff.
(B.)10.VII.44
Spargania l. obductata Moesch.
(R.N.)26.VI.38
- 4558 *Euphyia unangulata intermediata* Gn.
(B.R.)June, July
- 4561 *Euphyia multiferata* Wlk.
(B.N.R.)16.VI.44
- 4574 *Eulype albodecorata confusa* McD.
(N.R.)July
- 4582 *Perizoma costiguttata* Hlst. (R.) May
- 4587 *Earophila vasilata* Gn.
(B.N.R.)April, May
- 4589 *Venusia cambrica* Curt. (N.)
- 4593 *Venusia near pearsalli* Dyar
(B.R.)April, May
- 4603 *Eudule unicolor* Rob. (N.)
- 4605 *Bapta semiclarata* Wlk.
(B.N.R.)May, June
- 4615 *Deilinia pacificaria* Pack. (B.) 11.VI.44
- 4616 *Deilinia bryantaria* Tayl. (B.) 10.VI.44
- 4617 *Drepanulatrix rectifascia* Hlst.
(R.)24.IV.38
- 4622 *Drepanulatrix falcataria* Pack.
(R.)16.III.40
- 4628 *Drepanulatrix pulveraria* Hlst.
(R.)April, May
- 4630 *Drepanulatrix litaria* Hlst.
(B.R.)Sept., Oct.
- 4634 *Drepanulatrix unicalcararia* Gn.
(B.R.)May, Aug.
- 4645 *Scricosema juturnaria* Gn.
(B.N.R.)1.VII.44
- 4688 *Semiothisa denticulata* Grt.
(R.)14.VII.38
- 4725 *Semiothisa neptaria sinuata* Pack.
(B.R.)5.VI.44
- 4757 *Itame quadrilinearis* Pack.
(B.W.)July, Aug.
- 4759 *Itame anataria* ? Swett (B.) 27.VII.44
- 4762 *Itame prob. exauspicata* Wlk.
(B.)July, Aug.
- 4768 *Itame plumosata* B. & McD.
(B.)15.VII.44
- 4799 *Elpiste lorquinaria* Gn. (N.)
- 4801 *Hesperumia sulphuraria* Pack.
(N.W.R.)July, Aug.
form *balearia* Hlst. (B.W.) ..July
- 4809 *Paraphia subatomaria* Wood
(R.)20.IX.37
- 4811 *Paraphia piniata* ? Pack. (B.) 1.VII.44
- 4908 *Vitrinella pampinaria* Gn.
(B.N.W.)13.V.44
- 4913 *Anacamptodes emasculata* Dyar
(B.N.R.)May, June
- 4918 *Anacamptodes vellivolata* ? Hlst.
(B.)9.VI.44
- 4927 *Anacamptodes profanata* B. & McD.
(B.R.)21.IV.40
- 4945 *Aethalura anticaria fumata* B. & McD.
(R.)April, May
- 4946 *Ectropis crepuscularia* Schiff.
(N.R.)March, April
- 4955 *Coniodes plumogeraria* Hlst.
(B.R.)9.IV.44; 21.III.45
- 4963 *Erannis vancouverensis* Hlst.
(B.R.W.)Sept., Oct.
- 4968 *Amphidasis cognataria* Gn.
(B.N.W.)26.VI.43; 10.V.44
- 4998 *Euchlaena mollisaria* Hlst.
(B.R.)August
- 5000 *Euchlaena vinulentaria ochrearia* McD.
(B.)May, June
- 5002 *Euchlaena marginata albertanensis*
Swett (B.)4.VI.44
- 5005 *Euchlaena tigrinaria sirenaria* Stkr.
(R.)
- 5012 *Spodolepis substriataria danbyi*
Hlst. (N.)
- 5015 *Campaea perlata* Gn.
(N.B.W.)8.VIII.43
- 5027 *Philedia punctomaculata* Hlst.
(B.R.)September
- 5034 *Plagodis approximaria* Dyar
(B.)13.V.44
- 5042 *Anagoga pulveraria f. occiduaris* Wlk.
(B.)May
- 5043 *Hyperetis amicaria* H.-S.
(N.R.)May, June
- 5044 *Nematocampa limbata* Haw.
(B.N.)July
- 5050 *Metarranthis duaria* Gn.
(N.R.)27.V.39; 21.IV.40
- 5058 *Selenia kentaria* G. & R. (R.) ..April
- 5059 *Ennomos subsignarius* Hbn.
(N.W.)August

- 5073 *Pero giganteus* Grossb.
(B.N.R.W.) . . . July, Aug., Sept.
- 5077 *Pero occidentalis* Hlst. (B.) . . . 30.V.44
- 5080 *Pero morrisonarius* Hy. Edw.
(R.W.) 9.VI.43
- 5083 *Phengommataea edwardsata* Hlst.
(B.W.) Aug., Sept.
- 5091 *Enypia perangulata* Hlst.
(N.W.) 11.VIII.43
- 5094 *Enypia moillicti* Blkmre.
(W.) 11.VIII.43
- 5125 *Caripeta divisata* Walk. (N.)
- 5158 *Neoterpes triangulifera* Pack.
(B.N.) 24.V.44
- 5161 *Sicya macularia agyllaria* Wlk.
(B.N.) 8.VII.44
- 5189 *Synaxis jubararia* Hlst.
(B.N.R.) 21.IX.44
- 5191 *Synaxis cervinaria* Pack.
(R.B.) May, June
- 5210 *Prochoerodes forficaria* Gn.
(N.B.) 24.VI.44
- PYRALIDAE
- 5355 *Desmia funeralis* Hbn. (R.)
- 5436 *Evergestis subterminalis* B. & McD.
(B.) 18.VIII.44
- 5455 *Nomophila noctuella* D. & S. (N.R.)
- 5479 *Loxostege commixtalis* Wlk.
(B.) 17.VIII.44
- 5576 *Pyrausta pertextalis* Led. (N.)
- 5602 *Pyrausta fumoferalis* Hlst. (N.)
- 5625 *Pyrausta ochosalis* Dyar (N.)
- 5659 *Noctuella rufocinctalis* Steph.
(B.N.) 23.VII.44
- 5725 *Scoparia centuriella* D. & S. (N.)
- 5747 *Scoparia basalis fernaldalis* Dyar
(B.) 20.VIII.44
- 5758 *Pyrallis farinalis* Linn. (B.N.R.)
- 5769 *Herculia florencealis* Blkmre.
(B.) 20.VIII.44
- 5857 *Crambus pascuellus* Linn. (N.)
- 5883 *Crambus hortuellus* Hbn. (N.)
- 5892 *Crambus vulgivagellus* ? Clem.
(B.) 6.IX.44
- 5907 *Crambus oregonicus* Grt.
(B.) 20.VIII.44
- 5919 *Crambus trisectus* Wlk. (B.) 26.VIII.44
- 6022 *Jocara tratalis* Grt. (B.) . . . 12.VII.44
- 6042 *Tetralopha aplastella* Hlst.
(B.) 15.VII.44
- 6227 *Laodamia fusca* Haw. (N.)
- PTEROPHORIDAE
- 6563 *Oidaematophorus stramineus*
Wlsh. (N.)
- OLETHREUTIDAE
- 6654 *Badebecia urticana* Hbn. (N.)
- 6727 *Olethreutes deprecatoria* Heinr. (N.)
- 6731 *Olethreutes glaciana* Moesch. (N.)
- 7109 *Epinotia solandriana* Linn. (N.)
- 7177 *Anchylopera lamiana* Clem. (N.)
- 7301 *Carpocapsa pomonella* Linn.
(N.R.) June, July
- TORTRICIDAE
- 7369 *Platynota idaeusalis* Wlk. (N.)
- 7378 *Archips persicana* Fitch (N.)
- 7388 *Archips argyrosipila* Wlk. (N.)
- 7405 *Archips rosaceana* Harris (N.)
- 7408 *Archips fumiferana* Clem.
(B.) July, Aug.
- 7442 *Eulia ministrana* Linn. (N.)
- 7477 *Peronea near caliginosana* Wlk.
(B.) 24.IX.44
- 7481 *Peronea variana* Fern. (N.)
- COSSIDAE
- 7667 *Acosus populi orc* ? Stkr. (N.)
- OECOPHORIDAE
- 8460 *Semioscopis inornata* Wlsh. (B.) 13.V.44
- AEGERIIDAE
- 8708 *Synanthedon tipuliformis* Linn. (N.)
- 8789 *Albuna pyramidalis* Wlk.
(R.) May, June
- PLUTELLIDAE
- 8878 *Plutella maculipennis* Curt. (N.)
- TINEIDAE
- 9615 *Scardia anatomella* Grt. (R.)
- HEPIALIDAE
- 9869 *Hepialus novigannus mackiei* ? B. & B.
(R.) 27.IX.37

AGRILUS VITTATICOLLIS AT CRESTON, B.C. (Coleoptera, Buprestidae).—It is not generally known that *Agrilus vittaticollis* Randall belongs on the British Columbia list, but I have taken over 40 at Creston (det. W. S. Fisher). They are beautiful little insects, silver-grey, with bright bronzy thorax, and occur on saskatoon (*Amelanchier alnifolia*). They prefer scrub bushes, and open, rocky situations. One may collect the place for years as I did, without suspecting the presence of *vittaticollis*, as they are adepts at the old trick of falling to the ground at the slightest alarm; even to stalk the bush and glance the eyes around, the instant they are detected they drop, as though they feel our look. But remain patient for several minutes and they will return to the leaves, either by flight or climbing, usually the latter. The dates for my series are from July 9 to August 1.—G. Stace Smith, Creston, B.C.

THREE SILPHIDAE IN BRITISH COLUMBIA (Coleoptera).—The following three records based on specimens in my collection extend the ranges of the species involved. *Silpha* (*Thanatophilus*) *trituberculata* Kby.: Salmon Arm, B. C., Summer 1931 (from collection of H. B. Leech); *Nicrophorus nigritus* Mann.; Vaseaux Lake, Okanagan, B. C., 10-VIII-13; *Nicrophorus hybridus* Hatch and Angell: Kamloops, B. C., 18 Aug. 1935, G. J. Spencer, collector (given to me by the collector).—Melville H. Hatch, Seattle, Wash.

FLYCATCHER EATING THE PINE BUTTERFLY (Lepidoptera: Pieridae).—Several years ago, while collecting butterflies here, I saw a flycatcher dart out and catch three successive *Neophasia menapia* F. & F., as they came along. Such birds must be of some significance in the natural control of this forest pest.—Harold R. Foxlee, Robson, B.C.