

### Acknowledgments

Most of the adults in our collection were identified by Miss M. R. MacKay, Entomology Division, Ottawa. Our relatively advanced stage of knowledge of this group is due to the interest that Miss MacKay took in *Eupithecia* while she was stationed at the Vernon laboratory.

Descriptions of larvae appearing in quotation marks were made by laboratory personnel other than the authors.

### References

- MacKay, M. R. Species of *Eupithecia* reared in the Forest Insect Survey in British Columbia. *Canad. Ent.* 83:77-91. 1951.  
 McDunnough, J. H. Revision of the North American species of the genus *Eupithecia*. *Bull. Amer. Mus. Nat. Hist.* 93(8):537-728. 1949.

## ANNOTATED LIST OF FOREST INSECTS OF BRITISH COLUMBIA PART IV—HYDRIOMENA SPP. (GEOMETRIDAE)<sup>1</sup>

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These loopers are considered to be of no economic importance since they occur in small numbers and have not been known to cause any appreciable defoliation. Of the 11 species noted here, 7 are conifer feeders; the others feed on broad-leaved hosts. The larvae of most species of *Hydriomena* are brownish; some species are banded, at least in the early instars.

*H. albimontanata*, *divisaria*, *irata*, *nubilofasciata*, and *renunciata* overwinter in the pupal stage; some, if not all of the other species overwinter in the larval stage.

**H. irata** Swett. All of our typical *irata* specimens came from *Picea sitchensis* on the Queen Charlotte Islands. McDunnough designated other series of specimens as "probably all forms of *H. irata*". The latter were reared from *Tsuga heterophylla*, *T. mertensiana*, *Pseudotsuga taxifolia*, and *Picea* sp. in various parts of British Columbia south of 54° latitude. **Larva:** pale brown head and suranal plate; early instars banded with reddish-brown or drab green; later instars with dark broken subdorsal and spiracular lines.

**H. marinata exasperata** B. & McD. *Pseudotsuga taxifolia*, Qualicum; *Abies grandis*,

Sooke; *Picea sitchensis*, Knight Inlet. Pupation occurs in June; adults emerge late in June or early July.

**H. probably edenata grandis** B. & McD. *Pseudotsuga taxifolia*, Colwood on Vancouver Island. Larva pupated April 29; adult emerged in May.

**H. divisaria** Wlk. *Picea engelmanni*, *Pseudotsuga taxifolia*, *Abies lasiocarpa*; Central and Southern Interior.

**H. renunciata** Wlk. *Alnus* spp. Most of the specimens from V.I. and the Southern Coast are designated as *H. r. columbiata*. Other specimens from this area and Central and Southern Interior B.C. are designated as *H. renunciata*. Probably this is the commonest of the forest *Hydriomena* in B.C. **Larva:** head and prothoracic shield, brown; body, with purplish bands; pale double dorsal, wide subdorsal, and spiracular lines.

**H. albimontanata** McD. *Pseudotsuga taxifolia*, Southern Interior. **Larva:** head, tan; body, light brown, with a small dark brown patch on dorsum of each segment; small brown patches on sides of thorax.

**H. furcata** Borg. *Salix* spp. V.I. and Coast, and Central Interior. Pupation as early as June 11; first adult emergence date is July 13. **Larva:** 1 inch; very dark brown head and body; light subdorsal and spiracular lines; indistinct pale supraspiracular line.

**H. speciosata** Pack. *Pinus contorta*, *Pseudotsuga taxifolia*, *Tsuga heterophylla*; V.I. One specimen from *Abies Grandis*, Valdes Island, one from *Pseudotsuga taxifolia*, Salt Spring Island, and one from *Tsuga heterophylla*. Bute Inlet were designated as *H. s.* form *taylori*

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Swett. **Larva:** head, dark brown; body, pale brown, brighter on sides; dark irregular dorsal and "lateral" lines.

**H. morosata** B. & McD. *Pinus contorta*, Commotion Creek (near Moberly Lake).

**H. nubilofasciata** Pack. *Quercus garryana*;

Victoria. **Larva:** complex linear pattern of bright variegated brown and grey.

**H. manzanita** Tayl. *Arbutus menziesii*, V.I. and Southern Coast. **Larva:** head and body greenish-yellow; fine greyish lines on dorsum.

Reference

McDunnough, J. H. 1954. The species of the genus *Hydriomena* occurring in America north of Mexico. Bull. Amer. Mus. Nat. Hist. 103(3):241-358.

AN ANNOTATED LIST OF THE COLEOPTERA TAKEN AT OR  
NEAR TERRACE, BRITISH COLUMBIA. PART 3.\*†

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Masset, Queen Charlotte Islands, B.C.

*Melyridae*

**Dasytes** sp.

**Allonyx** sp.

**Eurelymis atra** LeC.—Taken in 1931; vide H. C. Fall.

*Clevidae*

**Thanasimus undatulus** Say—Det. by Wolcott.

**Thanasimus undatulus monticola** Wolc. — Det. Wolcott.

**Enoclerus spegeus** Fab.—Scarce on spruce logs in June; vide A. B. Wolcott.

*Corynetidae*

**Necrobia violacea** Linn.—Rare; found in marrow bones, June and July.

*Cephaloidae*

**Cephaloon tenuicorne** LeC.—Rare.

*Oedemeridae*

**Calopus angustus** LeC.—From a yellow pine stump, April 1921; rare.

**Ditylus quadricollis** LeC.—Rare; taken by the creek, June 4, 1920.

*Mordellidae*

**Mordella borealis** LeC.—Frequent, from a yellowish-brown fungus on spruce logs, July to September; vide Liljeblad.

**Mordella marginata** Melsh.

**Anaspis rufa** Say—Common on red osier dogwood (**Cornus**), and **Spiraea**, June and July.

**Anaspis atrata** Champ.—Verified by Liljeblad.

**Laricia nigricolor** Lilj.—A paratype from my material is in Mr. Frost's collection.

*Elacatidae*

**Eurystethus californicus** Mots.—Vide H. C. Fall.

*Pythidae*

**Lecontia discicollis** LeC.

**Pytho seidlitzii** Blair—November, 1927.

**Priognathus monilicornis** Rand.

*Pyrochroidae*

**Ischalia vancouverensis** Harr.—Rare; 1927. **Dendroides bicolor** Newm.—Rare; on apple tree.

**Dendroides** sp.—"Probably **D. ephemeroides** Mann., but cannot verify it", wrote Mr. Frost.

*Pedilidae*

**Eurygenius campanulatus** LeC. — Det. by J. J. du Bois.

*Anthicidae*

**Anthicus simiolus** Csy.

**Anthicus floralis** Linn.

*Elateidae*

**Lacon profusus** Can.—Rare. [Now a synonym of **brevicornis** LeC.].

**Lacon rorulentus** LeC.—Scarce.

**Athous cribratus** LeC.

**Athous rufiventris ferruginosus** Esch.

**Athous pallidipennis** Mann.

**Ludius kendalli** Kby.

**Ludius fraternus** LeC.—Det. by Quirsfeld; frequent on flowers.

**Ludius** sp. near **fraternus** LeC.

**Ludius volitans** Esch.—Det. by Brown and Quirsfeld.

**Ludius umbricola** Esch.—Det. by Knoll and Brown.

**Ludius caracinus** Germ.—Det. by Brown and Quirsfeld.

**Ludius kaweana** Fall—Det. by Fall (originally as **rufipennis** Fall), and Quirsfeld

**Ludius sagitticollis** Esch.—Det. by Fall.

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† Editor's Note:—As with the two previous papers of this series, Mr. Hugh B. Leech, from whom the typescript was received, is responsible for the extensive editorial work and taxonomic checking so essential to a manuscript of this kind.—K.M.K.