

## SOME FOOD PLANTS OF LEPIDOPTEROUS LARVAE

## LIST 3.

By J. R. J. Llewellyn-Jones, Cobble Hill, B. C.

In presenting this third list of food plants of Lepidopterous larvae I have two introductory remarks to make:

With regard to **Cynthia carye** below, whose usual food plant is hollyhock, I have added stinging nettle. Several ova and small larvae were found on this plant in my garden at Mill Bay, Shawnigan District, B. C. They produced imagines, but these were much smaller in size than those produced when feeding upon hollyhock, none being of the normal size for **C. carye**. The larvae were quite healthy throughout and the rate of mortality was no greater than with larvae fed on hollyhock.

With regard to **Diacrisia virginica** below, I have cited broom, **Cytisus scoparius**, as a food plant. I received a few larvae of the above species from Vancouver, said to have been feeding, with many others, on broom. I continued to supply them with this food, which they ate freely, and in due course imagines appeared. I would like to draw the attention of the economic entomologists here present to this note in case it might prove of value to agriculture as the broom is now spreading so rapidly in certain localities that it has become a pest. Would it be worth while experimenting with **D. virginica** as has been done, I understand, with the British species **Hipocrita jacobaeae**, the Cinnabar moth, in an attempt to control a species of **Senecio** (Ragwort) in New Zealand?

In conclusion, I wish to thank those members of the Society and others who have given valued assistance in preparing these lists. May I again ask the members and others who wish their findings on this subject recorded in these lists, to forward their records either to me at "Arranmore," R.M.D. No. 1, Cobble Hill, B. C., or to the Secretary of the Society, who will forward them to me. In the following list, an asterisk (\*) denotes that the species has been mentioned in the former lists and that the information is additional or an amplification of the previous data. Initials in brackets, thus (J.R.J.), indicate the author of the record. The names for which these abbreviations stand may be found in No. 31 of the Proceedings February 1935. The following corrections to List 2 should be noted:

After **Cynthia atalanta** L. nettle (J.C.) insert **Cynthia virginicensis** Dru. (*huntera* Fabr.) nettle (J.C.)

After **Polia adjuncta** Bdv. read Phlox (garden var.) (J.R.J.)

After *Polia petita* Sm. read plantains (*P. major* L. and *P. lanceolata* L. (J.R.J.))

For Bdg. wherever it occurs, read Bdv.

### RHOPALOCERA

- \**Cynthia carye* Hbn. Stinging nettle (*Urtica lyallii* Wats.)
- \**Euphydryas taylori* Edw. Rib grass (*Plantago lanceolata* L.)
- \**Papilio eurymedon* Luc. Alder (*Alnus rubra* Bong.)
- \**Papilio rutulus* Luc. Willows (*Salix hookeriana* Barr. and *Salix scouleriana* (Hook.) Barr.); Wild cherry (*Prunus emarginata* Dougl.)

### HETEROCCERA

- Abrostola urentis* Gn. Stinging nettle (*Urtica lyallii* Wats.)
- \**Amphidasis cognataria* Gn. Michaelmas Daisy (garden varieties).
- Anacamptodes emasculata* Dyar. Willows (*Salix hookeriana* Barr. and *Salix scouleriana* (Hook.) Barr.)
- Anthelia hyperborea* Hlst. Alder (*Alnus rubra* Bong.)
- Anthelia taylorata* Hlst. Flowering currant (*Ribes sanguineum* Pursh.)
- Apatela hesperida* Sm. Alder (*Alnus rubra* Bong.)
- Apatela radcliffei*. Apple (garden varieties). June-berry (*Amelanchier florida* Lindl.) Wild cherry (*Prunus emarginata* Dougl.) Hawthorn (*Crataegus brevispina* Dougl.)
- Conistra tristigmata*. Flowering currant (*Ribes sanguineum* Pursh.) Ocean spray (*Spirea discolor* Pursh.) Wild cherry (*Prunus emarginata* Dougl.) June-berry (*Amelanchier florida* Lindl.) Willows (*Salix hookeriana* Barr.) (*Salix scouleriana* (Hook.) Barr.)
- Diacrisia virginica* Fabr. Sweet Lavender, dahlia, broom (*Cytisus scoparius* Link).
- \**Diactinia silacea albolineata* Pack. Garden fuchsia (*Fuchsia riccartoni*).
- Epicnaptera americana* Harris. Oak (*Quercus garryana* Dougl.) Alder (*Alnus rubra* Bong.) Apple (garden varieties) Willows (*S. hookeriana* and *S. scouleriana*).
- \**Erannis vancouverensis* Hlst. Willow (*Salix hookeriana* Barr.)
- Euplexia lucipara* L. Bracken (*Pteris aquilina* L.)
- Graptolitha georgii* Grt. Willows (*Salix hookeriana* Barr. and *Salix scouleriana* (Hook.) Barr.)
- Halisidota maculata angulifera* Wlk. Apple (garden varieties).
- Homoglaea dives* Sm. Willows (*Salix hookeriana* Barr. and *Salix scouleriana* (Hook.) Barr.)

- Hypena californica** Behr. Stinging nettle (*Urtica lyallii* Wats.)
- Hyphantria textor** Harr. Alder (*Alnus rubra* Bong.) Apple (garden varieties).
- Ianassa semirufescens** Wlk. Alder (*Alnus rubra* Bong.) June-berry (*Amelanchier florida* Lindl.) Rose (garden varieties). Maple (*Acer macrophyllum* Pursh.) Lombardy poplar. Willows (*Salix hookeriana* Barr.) (*Salix scouleriana* (Hook.) Barr.).
- \***Lycophotia margaritosa** Haw. Flowering currant (*Ribes sanguineum* Pursh.) Bracken (*Pteris aquilina* L.)
- Melanolophia imitata** Wlk. Alder (*Alnus rubra* Bong.)
- Metarranthis duaria** Gn. Alder (*Alnus rubra* Bong.)
- Notolophus antiqua badia** Hy. Edw. Plum (garden varieties). Apple (garden varieties). Rose (garden varieties). Wistaria. Willows (*Salix hookeriana* Barr and *Salix scouleriana* (Hook.) Barr.)
- Orthosia hibisci** Gn. Flowering currant (*Ribes sanguineum* Pursh.) Alder (*Alnus rubra* Bong.) Ocean spray (*Spirea discolor* Pursh.) Wild cherry (*Prunus emarginata* Dougl.) June-berry (*Amelanchier florida* Lindl.) Willows (*Salix hookeriana* Barr.) (*Salix scouleriana* (Hook.) Barr.)
- \***Platysamia euryalus kasloensis** Ckll. Flowering currant (*Ribes sanguineum* Pursh.) (*rubra* Auct.)
- \***Polia adjuncta** Bdv. Wild cherry (*Prunus emarginata* Dougl.)
- Pheosia portlandia** Hy. Edw. (Lombardy poplar.)
- \***Pseudothyatira cymatophoroides** Gn. Hazel (*Corylus rostrata* Ait.)
- \***Smerinthus cerisyi ophthalmicus** Bdv. Lombardy poplar (W.D.)
- Spargania magnoliata pernotata** Hlst. Garden fuchsia (*Fuchsia riccartoni*).
- Synaxis jubararia** Hlst. (Hawthorn (*Crataegus brevispina* Dougl.) Ocean spray (*Spirea discolor* Pursh.) Bird cherry *Nuttallia cerasiformis* T. & G.) Maple (*Acer macrophyllum* Pursh.) Willows (*Salix hookeriana* Barr. and *Salix scouleriana* (Hook.) Barr.)
- \***Xylena cineritia mertena** Sm. Alder (*Alnus rubra* Bong.) Wild cherry (*Prunus emarginata* Dougl.) Ocean spray (*Spirea discolor* Pursh.) June-berry (*Amelanchier florida* Lindl.) Wild Rose (*Rosa gymnocarpa* Nutt. and *Rosa nutkana* Presl.) Willows (*Salix hookeriana* Barr.) (*Salix scouleriana* (Hook.) Barr.)
- Xylomyges hiemalis** Grt. Flowering currant (*Ribes sanguineum* Pursh.) Alder (*Alnus rubra* Bong.) Oak (*Quercus garryana* Dougl.) Ocean spray (*Spirea discolor* Pursh.) Wild cherry (*Prunus emarginata* Dougl.) June-berry (*Amelanchier florida* Lindl.) Willows (*Salix hookeriana* Barr. and *Salix scouleriana* (Hook.) Barr.)

