

TORTS

Newsletter of the Troop of Reputed Tortricid Systematists

LIST OF NEW ZEALAND TORTRICIDAE IN PROGRESS

Our colleague in New Zealand, John Dugdale, is compiling a list of New Zealand Tortricidae, including distribution and food plant data. The list is based on recognizable morphological entities in the New Zealand Arthropod Collection, Landcare Research New Zealand, Auckland, and the Brian Patrick Collection in the Otago Museum, Dunedin. Tribal assignment of some of the species in the list is not necessarily based on robust taxonomic investigation, and may only reflect convenience.

In the list John recognizes about 194 endemic tortricid species, 70% of which are Tortricinae. According to John, New Zealand and southeast Australia (including Tasmania) appear to be the only major regions globally with considerably more tortricines than olethreutines, as noted by Meyrick (1911). The New Zealand fauna supports just over 9% Olethreutinae, and Tasmania about 17% Olethreutinae. In contrast, Australia as a whole has a more evenly balanced fauna, with a largely tropical-subtropical olethreutine component.

John is willing to share his "in progress" list, and because it includes host plants, it may be of considerable interest to a variety of TORTS members. You can contact John by e-mail at: dugdalej@landcare.co.nz or jsdugdale@Xtra.co.nz.

In addition to the New Zealand checklist, John is working on fern-feeding Lepidoptera in and around New Zealand. He is compiling a diagnostic guide to tortricids encountered by the Ministry of Agriculture and Forests, including New Zealand species and some exotics. And he is investigating copulatory mechanisms in some New Zealand archipines. We thank John for his willingness to share his work with us.

WANTED: DEAD OR ALIVE THE EARLY STAGES OF HILAROGRAPHINI

Joaquin Baixeras is collaborating with several colleagues on the description and life history of a new fern-feeding tortricid from Brazil. Tribal placement of the new taxon is somewhat enigmatic, but the early stages suggest Hilarographini.

The only description of the early stages of Hilarographini of which I am aware is the paper by Diakonoff and Arita (1981, *Entomologische Berichten* 41: 56-60), in which the authors indicate that the larva of *Thaumato-grapha eremnotorna* Diakonoff and Arita has a bisetose L-group on the prothorax (almost always trisetose in Tortricidae), and the pupa has multiple, irregular rows of spines, rather than the single row, on the anterior edge of the dorsum of abdominal segments 3-7. Within Tortricidae, both of these characters appear to be unique to Hilarographini. However, based on the extremely close relationship between Hilarographini and Chlidanotini, it seems likely that the latter tribe may have these characters as well. The new taxon from Brazil possesses both of these characters, although neither adults nor genitalia suggest Chlidanotini or Hilarographini.

Do any of our colleagues have larvae or pupae of Hilarographini or Chlidanotini that could be examined for these characters? Also, does anyone know of additional published details on the early stages of species of either of these tribes? Any information would be greatly appreciated, and all contributors will be acknowledged in publication. Please forward details to Joaquin Baixeras via e-mail: Joaquin.Baixeras@uv.es

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The TORTS Newsletter is distributed twice annually: January-February and July-August. For information contact: John W. Brown, Systematic Entomology Laboratory, USDA, c/o National Museum of Natural History, Washington, D.C. 20560-0168, USA. Phone: 202 382-1778. E-mail: jbrown@sel.barc.usda.gov