

Three new species of *Tracholena* Common, 1965 (Lepidoptera: Tortricidae: Tortricinae: Schoenotenini) from New Caledonia associated with Araucariaceae

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Abstract

The genus *Tracholena* (Lepidoptera: Tortricidae: Tortricinae: Schoenotenini) is newly reported from New Caledonia, with three species described as new: *T. liparodes*, *T. nigrilinea*, and *T. paniense*. *T. nigrilinea* has been reared from male cones of two species of *Araucaria* at three sites, and the other two are known only from adults caught at light in an *Agathis montana* forest at 1380m. Apomorphies supporting monophyly of the genus are discussed. An updated checklist is provided and one species, *T. indicata* Diakonoff, is excluded from *Tracholena*.

Key words: Lepidoptera, Tortricidae, New Caledonia, *Tracholena*, *Araucaria*, Schoenotenini, hostplant associations, new taxa

Introduction

Species of *Tracholena* Common, 1965, in the tribe Schoenotenini (Lepidoptera: Tortricidae: Tortricinae) are associated with conifers in Araucariaceae and Cupressaceae in Australia, Norfolk I., and Papua New Guinea (Common 1965, 1973, 1982, Powell & Common 1985), either feeding on or in the mature foliar shoots, on male or female cones (Araucariaceae, Cupressaceae), or subcortically by cropping the inner phloem/cambium/outer sapwood of branches or trunks (exotic Cupressaceae). The genus is now reported from New Caledonia, represented by three species. One (*T. nigrilinea* sp. nov.) was reared from male cones of two species of *Araucaria* in 1977 from Mt Do and near Ponerihouen by G. Kuschel, then of D.S.I.R Entomology, New Zealand, and again most recently from Baie des Tortues, Bourail, where Roland Mecke, University of Tübingen, Germany, reared four specimens from male *Araucaria columnaris* cones held in an emergence trap. While the second and third species (*T. liparodes* sp. nov., *T. paniense* sp. nov.) were collected at light in an *Agathis montana* community with peripherally adjacent scattered *Araucaria* at 1380 m on Mt Panié in 1990, no host associations were found.