

1-8. Systematics on the Xanthorhoini (Lepidoptera: Geometridae, Larentiinae) in Korea

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Geometrid moths of the Xanthorhoini in Korea are reviewed. In Korea the Xanthorhoini comprise 20 species of eight genera: *Scotopteryx* Hubner, *Costaconvexa* Agenjo, *Catarhoe* Herbulot, *Orthonama* Aubert, *Xanthorhoe* Hubner, *Euphyia* Hubner, *Epirrhoe* Hubner, and *Glaucorhoe* Herbulot. Here I present the habitus, genitalia and their distributions in Korea. Earlier studies recognized several synapomorphies of the Xanthorhoini: hindwing discocellular cell straight and much shorter than lower, more erect; male genitalia with very large coremata on 7th segment of abdomen; the presence of calcar; and thoracic tuft low and flat, directed backward. Using these synapomorphies, a tentative phylogeny of the Xanthorhoini is also postulated.