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BOOK REVIEW

HUEMER P. & KARSHOLT O.: GELECHIIDAE I (GELECHIINAE: TELEIODINI, GELECHIINI). In Huemer P., Karsholt O. & Lyneborg L. (eds): MICROLEPIDOPTERA OF EUROPE. VOL. 3. Apollo Books, Stenstrup, 1999, 356 pp. ISBN 87-88757-25-0, ISSN 1395-9506. Price DKK 500.00.

This volume on the Microlepidoptera of Europe is the first part of a four-volume treatment of the family Gelechiidae to be published. In Europe the family Gelechiidae, which includes more than 600 species, is one of the least known families of Lepidoptera. Prior to this review of European Gelechiidae it was difficult to identify them with confidence. The biological data and information presented about the immature stages are still very limited and often restricted to larval host-plants. For many species larval host-plants and early stages are still unknown. The present volume deals with 151 species of the tribes Teleiodini and Gelechiini. The authors describe ten new species, establish many new synonyms, introduce several new combinations, recall two taxa from synonymy and designate many lectotypes.

An introductory section deals with general topics, and includes a review of collecting methods, preparation of genitalia, morphology of Gelechiidae and an overview of the systematics and classification, with a key to the subfamilies of European

Gelechiidae. The following chapter consists of a key to the European genera of Teleiodini and Gelechiini (based on male and female genitalia) and a check-list of European Teleiodini and Gelechiini. The main part of the book is made up of a comprehensive systematic treatment of the genera and species of Teleiodini and Gelechiini in Europe. Included under each genus and species are the original references to the names, differential diagnosis based on external features (including notes on species variation), characteristics of male and female genitalia, and an overview of each species distribution and biology. The distribution of each species in Europe is presented. The last parts of the book cover references and separate indices to all entomological taxa and to host-plants. Included are enlarged colour photographs of the adults of all the species, which are technically perfect, as well as photographs of male and female genitalia.

Huemer and Karsholt's book is an excellent review of the previously poorly known lepidopteran family Gelechiidae. The book is well organized and provides important new information on the taxonomy and biology of this very interesting family.

The book can be recommended not only to specialists working on the family Gelechiidae but also to all entomologists interested in European Microlepidoptera.

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