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THE LABOULBENIALES OF POLAND

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Abstract: This book presents a description of the Polish Laboulbeniales (Fungi, Ascomycetes). The general part contains a short review of the morphology, position among the fungi, hosts, nutrition and pathogenicity, infection specificity, as well as the accompanying organisms of the Laboulbeniales. The comments on ecology of the Laboulbeniales are based in part on the author's own observations. The history of Polish investigations of the Laboulbeniales, and a description of the collection and preservation methods are given. The descriptive part comprises keys for identification and descriptions of all taxa found in Poland, including 179 determined species, four species reported from Poland erroneously, and additionally some taxa neither fully investigated nor determined formally. All these species are illustrated in 116 plates. Also hosts and localities of all Polish specimens, critical comments on the literature data referring to Poland, ecological observations, general distribution of species and at times some remarks and comments are presented. Among the described species, 17 are new for Poland; six of them are new for science (*Hydrophilomyces atroseptatus* on *Limnebius aluta*, *Laboulbenia calathi* on *Calathus* spp., *Laboulbenia collae* on *Agonum albipes*, *Laboulbenia tenera* on *Bembidion dentellum*, *Monoicomyces balazyi* on *Acrotichis thoracica*, and *Monoicomyces bolitocharae* on *Bolitochara obliqua*), and one (*Autoicomyces falcifer*) is new for Europe.

Key words: Laboulbeniales, Poland, taxonomy, ecology, distribution

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