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ABSTRACTS

Polish Botanical Journal 52(1): 1–70, 2007

Dedicated to Clifford M. Wetmore,
University of Minnesota, U.S.A.
To him I owe my appreciation
of lichen taxonomy.

A REVISION OF THE *LECANORA DISPERSA* COMPLEX IN NORTH AMERICA

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Abstract. The *Lecanora dispersa* group in North America is revised based on about 1900 specimens from 25 herbaria. The following 19 species are recognized in the study area: *Lecanora agardhiana* Ach., *L. albescens* (Hoffm.) Flörke, *L. cf. andrewii* B. de Lesd., *L. crenulata* Hook., *L. dispersa* (Pers.) Sommerf., *L. flowersiana* H. Magn., *L. fugiens* Nyl., *L. hagenii* (Ach.) Ach., *L. invadens* H. Magn., *L. juniperina* Śliwa, *L. percrenata* H. Magn., *L. perpruinosa* Fröberg, *L. persimilis* (Th. Fr.) Nyl., *L. salina* H. Magn., *L. sambuci* (Pers.) Nyl., *L. semipallida* H. Magn., *L. torrida* Vain., *L. wetmorei* Śliwa, and *L. zosteræ* (Ach.) Nyl. The morphology, anatomy, lichen products, and ecology of the species are discussed. Based on the combinations of morphological, anatomical and chemical characters, four distinctive subgroups of species are identified: *L. dispersa* s.str. gr., *L. semipallida* gr., *L. crenulata* gr., and *L. hagenii* gr. A key for the identification of the species is provided, and all species are illustrated. The North American species have varied distribution patterns, which are illustrated on maps. The taxa differ also in frequency: common species including *L. dispersa*, *L. semipallida* and *L. hagenii*; frequent species but with limited distributional ranges such as *L. flowersiana*, *L. wetmorei*, and *L. zosteræ*; relatively rare species including *L. albescens*, and *L. fugiens*; and taxa known only from a single locality, such as *L. agardhiana*, *L. perpruinosa*, and *L. salina*. Seven of the species are reported for the first time from the continent: *L. agardhiana*, *L. cf. andrewii*, *L. fugiens*, *L. invadens*, *L. percrenata*, *L. perpruinosa*, and *L. semipallida*. Nomenclatural and taxonomic clarifications include the typification of *L. crenulata*, *L. persimilis*, and *L. sambuci*, and the synonymy of *L. turbinata* Poelt & Leuckert with *L. zosteræ* var. *beringii*. Two new combinations are made: *L. zosteræ* var. *beringii* (Nyl.) Śliwa comb. nov. (= *L. beringii*) and *L. zosteræ* var. *palanderi* (Vain.) Śliwa comb. nov. (= *L. palanderi*). Moreover, *Lecanora elenkinii* Mereschk., *L. flotoviana* Spreng., *L. thallophila* H. Magn., and *L. utahensis* H. Magn., which at first were considered members of the group, were excluded from the study as they proved not to be related.

Key words: Ascomycota, Lecanorales, lichens, taxonomy, nomenclature, key, distribution, new records, Canada, Mexico, United States

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Polish Botanical Journal 52(1): 71–79, 2007

LECANORA SEMIPALLIDA, THE CORRECT NAME FOR *L. XANTHOSTOMA*, AND A REAPPRAISAL OF *L. FLOTOVIANA* (LECANORACEAE, ASCOMYCOTINA)

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Abstract. The identity of two species of *Lecanora* is discussed in accordance with a taxonomic revision of the *L. dispersa* group in North America. Original material of *L. flotoviana* Spreng., recently discovered at GOET, differs in morphology and chemical content from the entity currently known by that name, and does not belong to the *L. dispersa* group but is a little-understood species. Consequently, *L. flotoviana* is excluded from the group, and *L. semipallida* H. Magn. is shown to be the correct name for the common, widespread member of the *L. dispersa* group hitherto known as *L. flotoviana* (auct. non Spreng.). *Lecanora xanthostoma* Cl. Roux is considered to be conspecific with *L. semipallida* and is therefore reduced to synonymy.

Key words: *Lecanora dispersa* group, *L. flotoviana*, *L. semipallida*, *L. xanthostoma*, lectotypification, nomenclature, synonymy

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