

SHORT NOTE

NOTES ON ANTARCTIC LICHENS: IV. LICHENS FROM TOTTANFJELLA, DRONNING MAUD LAND

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DURING the examination of the numerous lichen collections in the herbarium of the British Antarctic Survey Botanical Section, at present housed in the Department of Botany, University of Birmingham, a number of errors in the identifications of the G. T. Bowra collection from Tottanfjella was noticed. 18 taxa were published by Bowra and others (1966, table I), but as a result of revision the number now known from this collection is only 13. A revised list of lichens, with their distribution in Tottanfjella, is given in Table I.

TABLE I. REVISED LIST OF LICHEN SPECIES KNOWN FROM TOTTANFJELLA

<i>Species</i>	<i>Station number*</i>									
	51	73	74	78	83	88	91	92	100	103
<i>Alectoria minuscula</i>	+						+	+	+	+
<i>Biatorella antarctica</i>	+		+							+
<i>Candelariella</i> sp.			+					+		
<i>Lecanora aspidophora</i>				+	+			+		
<i>L. rubina</i> var. <i>melanophthalma</i>								+		
<i>Lecidea cancriformis</i>		+	+	+	+	+		+		
<i>Physconia muscigena</i>								+		
<i>Omphalodiscus antarcticus</i>								+		
<i>Omphalodiscus decussatus</i>	+	+				+	+	+		+
<i>Omphalodiscus spongiosus</i>								+		
<i>Usnea sulphurea</i>								+	+	
<i>Xanthoria candelaria</i>								+		
<i>Xanthoria elegans</i>							+	+		

* Station numbers are those given by Bowra and others (1966, fig. 1).
+ Present.

The additions and deletions which have been made to the list published by Bowra and others (1966) are as follows:

Acarospora (Sect. *Xanthothallia*)

All the material (Bowra 51c, 74a, 103c) was fertile *Biatorella antarctica* J. Murr. The apothecia are almost concolorous with the thallus and on initial examination they may have been mistaken for lobes of the humped thalline areoles.

Alectoria pubescens (L.) Howe jr.

No specimen of this species could be found in Bowra's collection. In view of its geographical distribution in Antarctica, only as far south as lat. 68°S. on the west coast of the Antarctic

Peninsula (Lamb, 1964), it is suggested that the record in Bowra and others (1966) refers to *Alectoria minuscula* (Nyl. ex Arnold) Degel.

Lecanora aspidophora Vain.

This species was recorded by Bowra and others (1966) as a species of *Lecanora* (Sect. *Eulecanora*) (Bowra 92A/b).

L. rubina (Vill.) Ach. var. *melanophthalma* (Ram.) Zahlbr.

This species was reported by Bowra and others (1966) as a species of *Lecanora* (Sect. *Placodium*) (Bowra 92B/g).

Lecidea cf. *autenboeri* Dodge

No material referable to this species could be found in the collection. Hence this record has been deleted from the list of lichens known from Tottanfjella.

Lepraria cf. *incana* (L.) Ach.

No material referable to this genus or species could be found in the collection, and so this record in Bowra and others (1966) has to be deleted.

Omphalodiscus antarcticus (Frey and Lamb) Llano

Several well-developed thalli up to 7 cm. in diameter (Bowra 92B/h) were found intermixed with other lichens from station 92.

Omphalodiscus spongiosus (Dodge and Baker) Llano

A few small thalli of this species (Bowra 92B/a) were found intermixed with *Usnea sulphurea* (Koenig) Th. Fr. from station 92.

Rinodina sp., *Toninia* sp.

No material referable to either of these two genera was found in the collections. Therefore, these records in Bowra and others (1966) must be deleted.

Umbilicaria cf. *leiocarpa* DC.

No material of this species was found in the collection. All specimens referred to this taxon by Bowra and others (1966) have proved to be *Omphalodiscus decussatus* (Vill.) Schol. The identity of representative specimens from stations 51 and 88 (Bowra 51a, 88B/a) have been confirmed by Dr. G. A. Llano.

ACKNOWLEDGEMENTS

I should like to thank Dr. G. A. Llano for confirming the identification of material of *Omphalodiscus decussatus*, and Professor J. G. Hawkes, Mason Professor of Botany, University of Birmingham, for facilities provided in his department.

MS. received 16 February 1970

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