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ADDITIONS TO THE LICHEN FLORA OF TASMANIA I

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(with one table)

ABSTRACT

Thirty five lichen taxa new to Tasmania are listed together with habitat information.

INTRODUCTION AND DISCUSSION

Although Wetmore (1963) records 521 lichen taxa for Tasmania the bulk of the records were made prior to 1900.

Since this time the authors have carried out an extensive survey of the major botanical regions of Tasmania covering some 700 sites at least 1 km apart which has revealed many previously unrecorded lichen species. It is the purpose of this note to record these previously unnoticed species and to provide details of habitat and distribution. The data are summarised in Table 1, together with notes on occurrences of the lichens in other states and N.Z. based on information from references indicated.

ACKNOWLEDGEMENTS

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REFERENCES

- Martin, W., 1966: Census Catalogue of the Lichen Flora of New Zealand. *Trans. Roy. Soc. N.Z.*, 3(8), 139-159.
- Weber, W.A. and Wetmore, C.M., 1972: Catalogue of the lichens of Australia exclusive of Tasmania. *Nova Hedwigia*, 41, Cramer, Germany.
- Wetmore, C.M., 1963: Catalogue of the lichens of Tasmania. *Revue Bryologique et Lichenologique*, XXXIII, 223-264.

TABLE 1  
NEW LICHEN RECORDS FOR TASMANIA

Lichen	No. of separate collection areas	alt. range m	Substrate	Typical Habitat	Occurrence in other States and N.Z.
<i>Alectoria nigricans</i> (Ach.) Nyl.	1	> 900	soil & low bushes	Cradle Mt. plateau	N.S.W. <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Cetraria chlorophylla</i> (Willd.) Vain.	6	600 - 1100	soil, rock trees	<i>Nothofagus</i> forests Lake St. Clair	
<i>Cetraria islandica</i> (L.) Ach.	3	1050	doleritic soils	mountain moors: Tarn Shelf, Mt. Mawson	N.S.W. <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Coccocarpia eronia</i> (Tuck.) Vain.	4	100 - 500	rock	isolated rock outcrops St. Patricks Head	Q'land <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Coccocarpia gayana</i> (Mont.) Nyl.	5	60 - 600	<i>Melaleuca</i> species	rain forest Dundas	N.Z. <sup>1</sup>
<i>Coccocarpia parmiliodes</i> (Hook.) Tuck ex Curt.	2	20 - 300	mudstone	sclerophyll forest Elephant Pass	
<i>Cornicularia aculeata</i> (Schreb.) Ach.	4	1100	soil	mountain plateaux Mt. Eliza	
<i>Cornicularia odontella</i> Ach.	3	1100	soil	mountain plateaux Ben Lomond	Vic. <sup>1</sup>
<i>Cystocoleus niger</i> (Huds.) Hariot	15	3 - 1300	rock	all parts of State Orford	N.Z. <sup>3</sup>
<i>Dermatocarpon hepaticum</i> (Lam.) Th.Fr.	6	200	soil	cleared ground Bluff River	Vic. <sup>4</sup> ; W.A. <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Lecanora parmelina</i> Zahlbr.	20	760	decaying grass	mountain moors Table Mt.	N.Z. <sup>3</sup>
<i>Leprocaulon microscopicum</i> (Vill.) Gams.	2	20	under mudstone overhangs	rocky outcrops Risdon	N.S.W. <sup>2</sup>
<i>Leptogium brebissonii</i> Mont.	2	< 20	<i>Melaleuca</i> species	coastal marshes Chain of Lagoons	N.S.W. <sup>4</sup> ; Q'land <sup>4</sup> ; N.Z. <sup>3</sup> ; Vic. <sup>4</sup>
<i>Mastodia antarctica</i> (Kutz.) Dodge	1	< 3	rock	coastal rocks Bruny Island	

TABLE 1 (cont.)

<i>Menegazzia aenofusca</i> (Nyl.) Santesson	17	> 1000	dolerite	mountain summits Mt. Marion	N.S.W. <sup>4</sup> ; Vic. <sup>4</sup>
<i>Nephroma helveticum</i> Ach.	6	200 - 1000	rock	rocky outcrops St. Patricks Head	Vic. <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Normadina pulchella</i> (Borr.) Nyl.	3	< 200	rock and other lichens	coastal rocks Temma Road.	N.S.W. <sup>4</sup> ; Vic. <sup>4</sup> S.A. <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Parmelia amphisantha</i> Muell. Arg.	3	< 500	soil	open grasslands Hamilton plains	Vic. <sup>4</sup> ; W.A. <sup>4</sup>
<i>Parmelia limbata</i> Laurer	5	20 - 300	granite	granite outcrops Cape Tourville	N.S.W. <sup>4</sup> ; Vic. <sup>4</sup> Q'land <sup>4</sup>
<i>Parmelia sinuosa</i> (Sm.) Ach.	21	60 - 1100	trees	rain forest Nelson River	Q'land <sup>4</sup> ; N.Z. <sup>3</sup>
<i>Parmelia willisii</i> (Kurok. in ed.)	1	200	loose on soil	open grasslands Ross-Lake Tooms Rd.	S.A. <sup>1</sup> ; W.A. <sup>1</sup>
<i>Parmeliella pycnophora</i> (Nyl.) Santesson	8	60 - 1100	trees	rain forest Fossey River	N.Z. <sup>3</sup>
<i>Peltigera erumpens</i> (Tayl.) Vain.	13	300 - 1100	soil	open grassland Storeys Creek	
<i>Peltula euploca</i> (Ach.) Wetm.	2	< 200	rock	exposed rock Meadowbanks	Vic. <sup>4</sup>
<i>Physcia ascendens</i> (Th.Fr) Oliv. em Bitt.	9	20 - 700	trees	open forest Saltwater River	N.Z. <sup>3</sup>
<i>Pilophorus conglomeratum</i> Wilson	9	400 - 1300	rotten wood	rain forest Hartz Mts.	Vic. <sup>4</sup> ; N.Z. <sup>1</sup>
<i>Placynthium nigrum</i> (Huds.) Gray	2	< 300	limestone	cleared grasslands Collinsvale	N.Z. <sup>3</sup>
<i>Polychidium umhausensis</i> (Auersw.) Henss.	16	200 - 1300	other lichens trees	rain forest Styx valley	Vic. <sup>1</sup>
<i>Stereocaulon caespitosum</i> Redgr.	23	800 - 1700	rock	mountain summits Mt. Mawson	N.S.W. <sup>4</sup>
<i>Stereocaulon corticatum</i> Nyl.	34	100 - 1550	rock	mountain summits Table Mt.	Vic. <sup>4</sup> ; N.Z. <sup>3</sup>

TABLE 1 (cont.)

Lichen	No. of separate collection areas	alt. range m	Substrate	Typical Habitat	Occurrence in other States and N.Z.
<i>Stereocaulon kilmanscharoense</i> Stein.	10	800 - 1500	rock	exposed rock outcrops Mt. Victoria	
<i>Toninia bullata</i> (Mey & Flot.)	2	1100 - 1300	rock	mountain plateaux Lake Augusta	N.S.W. <sup>4</sup> ; Vic. <sup>4</sup> ; N.Z. <sup>5</sup>
<i>Usnea maculata</i> Stirt	5	400 - 700	granite	granite outcrops Mt. Amos	
<i>Usnea rubescens</i> Stirt	16	3 - 800	<i>Acacia</i> sp.	open forest St. Columbia Falls	N.Z. <sup>3</sup>
<i>Usnea rubescens</i> v. <i>rubrocincta</i> (Stirt.) Mat.	1	20	granite	granite outcrops Coles Bay	

1. Bratt, G.C., 1971: personal collection.  
3. Martin, W., 1966.

2. Dahl, E., *pers. comm.*  
4. Weber, W.A., and Wetmore, C.M., 1972.