

MOSESSES COMMON TO TASMANIA AND
QUEENSLAND.

By John Shirley, D.Sc.

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Last summer, in company with Mr. H. Tryon, Government Entomologist, I spent five weeks on Roberts Plateau, a spur from the Macpherson Range, on the borders of New South Wales and Queensland. The beauty of the scenery, the delightful landscapes, and the wealth of vegetation made the holiday thoroughly enjoyable. A large amount of plant material was collected, principally phanerogams and lichens. When collecting lichens a few mosses were incidentally collected, and, by the kindness of Mr. J. H. Maiden, F.R.S., were determined by Mr. Whitelegge, custodian of mosses and ferns at the Botanic Gardens, Sydney. Several of these mosses, collected at heights of 3,000-3,800 feet, proved new to Queensland.

On examining Mr. Rodway's lists, published in the proceedings of the Royal Society of Tasmania, I find that two of the most common species on the plateau—*Tracheloma planifolium*, *Bridel*, and *Hypnodenturon spininervium*, *Hook*—are reported as part of the Tasmanian moss flora. It occurred to me that it would be well to place on record mosses common to the two States, giving Queensland localities. Many species may be rare in southern localities, though quite common here, and vice versâ. By the kind permission of Mr. C. White, Acting Government Botanist, I examined the mosses in the State herbarium, finding a number without localities, and others represented by New South Wales specimens only. Other localities were obtained from reports of the Field Naturalists' Section of the Royal Society, and from papers by Messrs. James Keys, J. Gwyther, and C. J. Wild.

The classification adopted is that used by Mr. Rodway.

Family I. Tortulaceæ.

1. *Phascum cylindraceum* *Tayl.* * Currumbin Creek, near Macpherson R.
2. *Tortula atro-virens* *Lind.* Brisbane River.
3. *Weissia flavipes* *H. f. & W.* (Alstonville-Ballina rd., N. S. Wales.)

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| 4. Holomitrium perichaetiale | <i>Brid.</i> | Pimpama, S.C. Line. |
| 5. Barbula calycina | <i>Schw.</i> | Mount Perry, Wilston, Caboolture. |

Family II. Dicranaceæ.

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| 6. Ceratodon purpureus (L.) | <i>Brid.</i> | Currumbin Creek, Macpherson Range. |
| 7. Ceratodon stencarpus, s. purpureus v. palustris | <i>Mnt.</i> | (Reported without locality by the late Mr. F. M. Bailey.) |
| 8. Ditrichum affine | <i>C.M.</i> | Mt. Mistake. |
| 9. Sclerodontium pallidum (Hook.) s. Leucoloma Sieberianum | <i>Mitt.</i> | Burpengary, Mt. Mistake. |
| 10. Campylopus introflexus (Hedw.) | <i>Brid.</i> | North Pine, Port Curtis, and Pimpama. |
| 11. Campylopus pudicus | <i>Hornsch.</i> | Brisbane River scrubs. |
| 12. Campylopus tortuatus | <i>Mitt.</i> | Burpengary, Woolston, Caboolture. |
| 13. Campylopus bicolor | <i>Hornsch.</i> | Tweed Heads. |

Family III. Grimmiaceæ.

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| 14. Griaemia leiocarpa | <i>Tayl.</i> | Gladfield, Helidon. |
| 15. Grimmia pudicus | <i>Hornsch.</i> | Helidon. |
| 16. Grimmia pusillum | <i>Mitt.</i> | Ashgrove. |

Family IV. Leucobryaceæ.

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| 17. Leucobryum candidum | <i>Hpe.</i> | Main Range, near Toowoomba, Killarney, Caboolture. |
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Family V. Mniaceæ.

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| 18. Rhizogonium spinifforme | <i>Bruch.</i> | Mt. Mistake, Woolston, Eagle Farm, Killarney. |
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Family VI. Fissidentaceæ.

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| 19. Fissidens tenellus | <i>H. f. & W.</i> | Ashgrove, Enoggera Creek. |
| 20. Fissidens oblongifolius | <i>H. f. & W.</i> | Moreton Island. |
| 21. Fissidens Whiteleggei | <i>C.M.</i> | Nerang River. |

Family VII. Bryaceæ.

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| 22. Bryum leptothecium | Tayl. | Victoria Park, Brisbane. |
| 23. Bryum chryseuron | C.M. | (Reported without locality by F. M. Bailey.) |
| 24. Bryum argenteum | L. | Gladfield. |
| 25. Bryum dichotomum | Hedw. | (Reported without locality by F. M. Bailey.) |

Family VIII. Splachnaceæ.

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| 26. Tayloria octolephara (Hook.) | Mitt. | (Lane Cove R., N.S. Wales.) |
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Family IX. Funariaceæ.

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| 27. Gigaspermum repens (Hook.) | Lindb. | Gladfield, Mount Perry, Brisbane R. |
| 28. Funaria apophysata | Tayl. | Woolston, near Brisbane, Caboolture. |
| 29. Funaria cuspidata | H. f. & W. | Mount Perry. |
| 30. Funaria glabra | Tayl. | (Alstonville-Ballina rd., N.S. Wales.) |
| 31. Funaria crispula | H. f. & W. | Three-mile Scrub, Brisbane, Woolston, Caboolture. |
| 32. Funaria hygometrica (L.) | Sibth. | Brisbane, Port Curtis, Tweed Heads. |

Family X. Hypnaceæ.

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| 33. Hypnum tenuifolium | Hedw. | (Reported without locality by F. M. Bailey.) |
| 34. Hypnum convolutifolium | Hpe. | Woolston and Indooroopilly, near Brisbane. |
| 35. Ptychomnion aciculare (Brid.) | Mitt. | Palm Camp, Bellenden-Ker Range, Roberts Plateau, Macpherson Range |
| 36. Hypnodendron spininervium | Hook. | Reported from Mt. Wellington, Gordon, and Tasman's Peninsula, Tasmania. This moss was found to be common on the Macpherson Range and its offshoots at heights over 3,000ft. |

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| 37. <i>Acanthocladium</i>
<i>extenuatum</i> (Brid.) | <i>Mitt.</i> | Brisbane River scrubs. |
| 38. <i>Thuidium lævius-</i>
<i>culum</i> (Mitt.) | <i>Jaeg.</i> | Nerang Creek, Mt. Perry. |
| 39. <i>Thuidium sparsum</i>
(H. f. & W.) | <i>Jaeg.</i> | Mt. Mistake. |

Family XI. Neckeraceæ.

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| 40. <i>Campochæte ram-</i>
<i>ulosa</i> (Mitt.) | <i>Reich.</i> | Cunningham's Gap, Main Range. |
| 41. <i>Papillaria filipen-</i>
<i>dula</i> | <i>H. f. & W.</i> | Milora, near Ipswich, Mt. Perry, Caboolture. |
| 42. <i>Neckera hymen-</i>
<i>odonta</i> | <i>C.M.</i> | Mt. Mistake, Main Range |
| 43. <i>Neckera planifolia</i> | <i>Brid.</i> | Reported from the Col-
lumba Falls, George
River, Ta-manía. Was
found to be most com-
mon and in full fruit
on horizontal trunks
and rotten logs at
heights above 3,000ft.
along the Macpherson
Range. |

Family XII. Polytrichaceæ.

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| 44. <i>Dawsonia superba</i> | <i>Grev.</i> | Nerang Creek. |
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Family XIII. Sphagnaceæ.

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| 45. <i>Sphagnum cymbi-</i>
<i>folium</i> | <i>Ehrb.</i> | (Mount Boyong, N.S.
Wales.) |
| 46. <i>Sphagnum cuspi-</i>
<i>datum</i> | <i>Ehrb.</i> | Maroochie, N.C. Line. |
| 47. <i>Sphagnum cymbi-</i>
<i>folioides</i> | <i>C.M.</i> | Nerang Creek, S.C. Line. |