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# TABULAR LIST INDICATING THE LOCAL HABI-TATS AND THE GENERAL DISTRIBUTION OF ALL THE KNOWN FERNS, CLUB MOSSES, AND PILLWORTS OF TASMANIA.

By R. M. Johnston, F.L.S.

Since my "Field Memoranda for Tasmanian Botanists" was published sixteen years ago (1874), there has been a considerable alteration in the nomenclature of species as adopted in Hooker's Flora of Tasmania, as well as additions to the list of species then known. Now that our zealous Secretary is about to issue a new and comprehensive Descriptive Catalogue of all the Ferns of the island known at the present time, I have thought it desirable to place on record a revised list of the species, together with as complete a list of the localities of the various species as are known to me, with the desire to aid him in making this portion of his valuable work as complete as possible.

# TASMANIAN FERNS, CLUB MOSSES AND PILLWORTS.

## FILIGES.

### Tribe i. Ophioglosseæ.

- 1. Ophioglossum vulgatum. Linn. Adder's-tongue.
- 2. Botrychum lunaria. Swartz. Moonwort.

# Tribe ii. SCHIZACEÆ.

- 4. Schizea fistulosa. Labill.
- 5. bifida. Swartz.

#### Tribe iii. OSMUNDEÆ.

- 6. Gleichenia circinata. Swartz. Parasol Fern.
- 7. ——— dicarpa. R. Br. (G. microphylla.)
- 8. flabellata. R. Br.
- 9. Todea barbara. T. Moore. (T. Africana.)

#### Tribe iv. HYMENOPHYLLEÆ.

- 10. Trichomanes venosum. R. Br. Bristle Fern.
- 11. Hymenophyllum marginatum. Hook. et Grev. Filmy Fern.

266 TABULAR LIST INDICATING THE LOCAL HABITATS, ETC.	
12. Hymenophyllum rarum. R. Br. Filmy Fern	
13 javanicum. Spreng. Filmy Fern. (H	Г
13. ——— javanicum. Spreng. Filmy Fern. (H. demissum.)	- 0
14 tunbridgense. Swartz. Filmy Fern.	
15. — var. Wilsoni. Hook. Filmy Fern.	
16. — Malingii. Metten. Filmy Fern.	
Service Dr. E. J. Journey, H.L.S. & Service Se	
Tribe v. Cyatheæ.	
17. Cyathea medullaris. S. W. Black Tree Fern.	
18. Alsophila australis. R. Br. Prickly Tree Fern.	
19. ————————————————————————————————————	
Secretary is about to issue a new and comprehensive Descrip-	
Tribe vi. Polypodieæ.	
20. Dicksonia antarctica. Labill. Woolly Tree Fern.	
21. Davallia dubia. R. Br. Prickly Tree Fern. (Dicksonia.) 22. Lindsayea linearis. S. W.	)
23. ————————————————————————————————————	
24. Adiantum æthiopicum. Linn. Maiden Hair.	
25. ———— formosum? R. Br. Maiden Hair	
26. Hypolepis tenuifolia? Bernb.	
27. Cheilanthes tenuifolia. S. W. Parsley Fern.	
28. Pteris falcata. R. Br. Ear Fern. (Platyloma, Pellæa.)	)
29. ————————————————————————————————————	
30 aquilina. Linn. Bracken.	
31. ———incisa. Thumb. Bat's-wing. (Litobrochia.)	
32. ————————————————————————————————————	
34. —— vulcanica. Blume.	
35. ————————————————————————————————————	
36. ————————————————————————————————————	
37. ————————————————————————————————————	
38. ————————————————————————————————————	
39 capensis. Wild. (L. procera.)	
40. Blechnum cartilagineum. S. W.	
41. Doodia aspera. R. Br. Prickly Doodia.	
42. — $var$ . caudata. $R$ . $Br$ .	
43. Asplenium trichomanes. Linn. Maiden hair spleenwort.	
44	
- Obbushoulli. L'Orst.	

46. Asplenium bulbiferum. Forst.								
7. —— flaccidum. Forst.								
8. ——— umbrosum. J. Sm. (A. Brownii.) (Athyrium)								
49. Cystopteris fragilis. Bernb. Little bladder Fern.								
50. Aspidium aculeatum. S. W. Lady Fern. (Polystichum								
vestitum)								
51. —— capense. Wild. (Polysticum coriaceum.)								
52. —— decompositum. Spreng. (Nephrodium.)								
53. ——— hispidum. Sw.								
54. Polypodium australe. Melten. (Grammitis.)								
55. ————— grammitidis. R. Br.								
56. ————— punctatum. Thumb. P. rugosulum.)								
57. ————————————————————————————————————								
(Phymatodes.)								
58. Grammitis rutæfolia. R. Br. Blanket Fern. Gymno-								
grammæ.								
59. ———— leptophylla. S. W. Jersey Fern. Gymno-								

# LYCOPODEÆ.

Phylloglossum Drummondii. Kuze.
 Lycopodium selago. Linn. Fir Club Moss,
 — varium. R. Br.
 — clavatum var. fastigiatum. Linn.
 — Caroliniana. Linn.
 — laterale.

grammæ.

- 10. Selaginella Preissiana. Spreng.
- 12. Tmesipteris tannensis. Bernb.

## MARSILEÆ.

- 1. Isoetes Gunnii. Braun.
- 2. humilior. Müell.
- 3. —— elatior. Müell.
- 4. Stuartii. Braun.
- 5. Azolla feleculoides. Lam. (A. rubra.)
- 6. Pilularia globulifera. Linn.

ABBREVIATIONS.

T.—Tasmania.

W.A.—Western Australia.

S.A.—South Australia.

Q.—Queensland.

N.S.W.—New South Wales.

V.—Victoria.

N.Z.—New Zealand.

E.—Europe.

Note.—The last column in the accompanying Table of Distribution refers to the number of the Species under each Group in the preceding list. (R.M.J.)

# TASMANIAN FERNS, CLUB MOSSES, AND PILLWORTS. DISTRIBUTION.

	DISTRIBUTION.									
HABITAT.	TYPICAL LOCALITIES IN TASMANIA.	TAS.	W.A.	S.A.	Q.	N.S.W.	v.	N.Z.	E.	INDEX
						-				No.
	FILIGES.									
Among grass in damp situations.	Glen Dhu, Launceston, Chudleigh, Formosa. Westbury, Chudleigh. Chudleigh, ascending to 4000 feet altitude.				-			-		2
On damp, shaded, grassy places.	George Town, Supply River, Ilfracombe, Southport.						- Continuency	Commence		3
In sand near the sea, among ti-tree scrub or heath.	George Town, Huon Road, Hobart, Blackman's Bay						SEMPAREMENT			5
In boggy places among scrub.	North-West Bay, Huon and elsewhere, common.									6
	George Town, tops of all mountains, Brown's River, Deloraine, Huon and elsewhere, common.									7
Among rocks in damp shaded forests.								2		9
	North-West Coast, Chudleigh, Deloraine, first basin, Launceston, York Town, George's Bay, Recherche,							3		
Creek sides.	Launceston, York Town, George's Bay, Recherche, Longley, Port Davey.	-					-			9
In damp wooded ravines on tree ferns.	Ilfracombe, Gould's Country, Huon, Russell Falls, Mount Wellington.									10
On mossy rocks and trunks of honey- suckles.										11
On trunks of tree ferns.	In all damp ravines, on mountain slopes or uplands.									12
On damp mossy rocks.	Mount Wellington, Huon River, and elsewhere, among									13
11 11 11	First basin, Launceston, Mount Wellington, Huon									
On damp mossy rocks and trunks of	First basin, Launceston, Mount Wellington, Huon River, and all damp ravines in creek bottoms.							-		14-15
trees.	Honeysuckie Hill, Queen River (T. B. Moore), rare.	-				-	-	-		16
Damp woods.	Near Circular Head, rare.  George Town Ashostos Hills Nine Mile Co.	-				-	-	-		17
	George Town, Asbestos Hills, Nine Mile Springs, Ringarooma, Gould's Country, Macquarie Harbour, etc.	_			-	-	-			18
n damp upland forests and moun-	Adamson's Peak, rare.	_					-			19
tain gullies.	Common throughout the island.	-/			-	-	-			20
Sides of creeks.	Chudleigh, Don, near Westbury, Tamar, George's Bay.  Bellorive Birer Brech Bre				-	-	-	-		21
Damp heathy places.	Bellerive, Huon River, Punch Bowl, Launceston, Brown's River, and elsewhere.	-	-	-	-	-	-	-		22
Dense forests.	Macquarie Harbour, Flinders Island.	-				-3		-		23
In shaded places among rocks.	Cataract Hill, Launceston; Knocklofty, Sugar Loaf Hill, Bellerive, Domain, Proctor's Road Creek, and elsewhere, common.	-	-	/	-	_	-	_		24
11 11 11	Doubtful. Referred to Tasmania by Mr. F. M. Bailey.					_				25
Borders of Scrubs.	Doubtful. Supposed to exist near Chudleigh.	-3			-		-3	-		26
Among dry rocks in basaltic and greenstone ridges.	Cataract Hill, Domain, Mount Rumney, and elsewhere.	-	-	-	-		-	-		27
clefts of preciptious rocks and damp situations.	Cataract Gorge, Launceston; and elsewhere.						_			28
In forests.	Cataract, Launceston; Mount Wellington, Cascades.			_	_	_	_		_	29
Sandy places.	Common everywhere.					_	-	-		30
In damp woods and ravines.	Circular Hood Arthur's Diver Chadleich	_				-	-	-		31
Creek sides in forest ravines.	Circular Head, Arthur's River, Chudleigh.  George Town, George's Bay, Gould's Country, New Norfolk, Cascade River, Tasman's Peninsula.				-		-	-		32
					-	-		-		33
	Mount Wellington, M. La Perouse, Longley.				-	-	-			34
Peaty Bogs.  Wet rocks, along ravines, and near	Common everywhere.  Russell Falls Mount Wellington Space Falls Hands				-	-	-	-		35
	Russell Falls, Mount Wellington, Snug Falls, Henty River, and elsewhere, common.					-	-	-		36
In damp situations.  In deep mountain gullies, in sides of	St. Patrick's River, Ben Lomond, Mount Wellington.  Mount Wellington, Asheron Birrer Errort, Western					-	-	-		37
	Gould's Country, Huon River.		-	-	-	-	-			38-39
Sides of creeks and rivers.  Among greenstone rocks.	George's Bay (G. Hinsby), rare in Tasmania.				-	-	-	-		40
IIIION & TOURS.	Cataract Gorge and elsewhere.  Cataract Gorge and elsewhere.						-			41 42
In caves and shady crevices of rocks.	Cataract Gorge, Chudleigh, River Plenty, Fronts, Westbury.									43
In shady crevices of rocks.	Common everywhere.									44
Among rocks, in clefts near the sea.	George Town, East Coast, Maria Island, Variety Bay.					_	_	_		45
In damp woods and ravines.	Cotoroot Corgo Louncoston Cincular II - 1 Ch. 11 : 1			_		-	-	-		46-47
	Cataract Gorge, Launceston; Circular Head, Chudleigh, Don, Gould's Country, Huon River.				-					48
Mountainous regions.  In damp woods.	Chudleigh, Ben Lomond, and elsewhere.				-	-	-	-		49
III dellip woods.	Common everywhere.  Mount Wellington, Huon River, Gould's Country,				-	-	-	-		50
In scrub.	Near Corinna, West Coast Track to Macquarie Harbour.	_				-	-	-		51-52
	Mount Wellington, Huon, Gould's Country, and					-	-			53
In damp forests.	Mount Wellington and elsewhere, common.  [ ]				-	-				54-55
Climbing on rocks and trees.	In moist, shady places, near creeks, common.							-		56 57
In shady crevices of basaltic or green-	Cataract, Launceston; Distillery Creek, Breadalbane, Brighton, Launceston, Rivulet, New Norfolk; Proctor's									
stone rocks.	Road.			-	-		-			58
11 11 11	Cataract Gorge, Launceston; Cave near Tamar, Spring Bay, rare.		-			-				59
	LYCOPODEÆ.									
Peaty ground.	George Town.	_								1
11 11	Mountain tops and forests.  Mountain tops and forests.	_					-	-		2
" "	Mountains.							-		3
" "	Mountains.							_		5
" "	Mountains.  Mountains					-	-	-		6
Heathy places.	Mountains.  Huon, Snug River, Southport, and elsewhere, common.						-	-		7
Peaty ground.	Mountains.	-								9
Sandy peat.	South Esk River and elsewhere in the north.				-		_			10
In mountain gullies on tree ferns.	Bellerive and elsewhere, among heath, common.  Mount Wellington and elsewhere, common.					-	-			11
	MARSILEÆ.				-	-	-			12
Bottom of shallow mountain lakes.	Ben Lomond, Great Lake, and elsewhere.									1
Rivers.	South Esk.									2
	South Esk. South Esk.									3
Moss-like plants, floating in water.	Brighton, Circular Head.									5

Rivers.

Brighton, Circular Head.

Penquite, near Launceston; Formosa.