

**REGISTER OF LICHEN TYPE SPECIMENS AND CHEMISTRY OF LICHEN  
TYPE SPECIMENS IN THE BRITISH MUSEUM AND GENEVA**

by Nathan Sammy

Dampier Salt (Operations) Pty. Ltd.,  
P.O. Box 185, Dampier, W.A. 6713

ABSTRACT

*A total of 188 Australian type taxa have been located in the British Museum of Natural History and the Conservatoire et Jardin Botaniques, Geneva. These are listed alphabetically together with locality data and status.*

*The chemical constituents of 73 type specimens are also given. The taxa are arranged in alphabetical order and the status of each given.*

INTRODUCTION

Australian students of lichen taxonomy must invariably revert to examining type specimens for critical studies. In the past, access to Australian type specimens had been difficult because of the lack of the relevant early literature or ignorance of the location of these types.

This paper lists alphabetically the names of all Australia type specimens located at the British Museum of Natural History and the Conservatoire et Jardin Botaniques, Geneva. Most of these types have now been photographed, as well as relevant authenticated types in the Linnean Herbarium. The type locality and other herbarium label data are also listed, and the status of each type specimen is designated, where possible.

This list is not complete as many type specimens were out on loan at the time the list was being compiled.

Many type specimens housed in the British Museum of Natural History and the Conservatoire et Jardin Botaniques, Geneva have the chemical constituents of the specimen listed on the herbarium sheets. As chemical taxonomy has great emphasis in lichen taxonomy, where morphological characters are relatively few, a list of the types and their determined chemistry, as detailed on the sheets, are catalogued.

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AUSTRALIAN LICHEN TYPE SPECIMENS HOUSED IN THE  
BRITISH MUSEUM (NATURAL HISTORY) LONDON  
(N.D. = not designated)

Taxon	Locality	Status
<i>Anzia semiteres</i>	Tasmania, F.v.Mueller	N.D.
<i>Anzia wilsonii</i>	Eastern Creek, N.S.W., F.R.M.Wilson	N.D.
<i>Arthonia albofarinosa</i>	W. Warwick, Queensland, F.M.Bailey 30	N.D.
<i>Chondropsis semiviridis</i>	Table Mountain, Tasmania	N.D.
<i>Cladonia xanthoclada</i>	Mt. Lindsay, Australia, Webb (ex Herb. J.Mueller)	N.D.
<i>Collema atrum</i>	Warrnambool, Victoria	Isolectotype
<i>Collema congestum</i>	Victoria, Australia, F.R.M.Wilson	Isolectotype
<i>Collema gwytheri</i>	Neighbourhood of Warwick, Queensland, C.J.Gwyther	Isotype
<i>Collema laeve</i> var. <i>senecornis</i>	Mt. Macedon, et Lakes Entrance, Gippsland, Victoria, F.R.M.Wilson 1886	Isotype
<i>Collema robillardii</i>	Mt. Macedon	Isotype
<i>Diploschistes</i> <i>subocellatus</i>	Risdon Cove, Tasmania, R.Medwin	N.D.
<i>Haematomma puniceum</i> var. <i>collatum</i>	Jimbour, Queensland, F.M.Bailey, 1895	N.D.
<i>Haematomma puniceum</i> var. <i>infusum</i>	Jimbour, Queensland, F.M.Bailey	N.D.
<i>Lecidea antiptiza</i>	Tasmania, H.Paton, 1875	N.D.
<i>Lecidea consanguinea</i>	Australia, H.Paton	N.D.
<i>Lobaria crenulata</i>	Brisbane, Queensland, F.M.Bailey	N.D.
<i>Menegazzia retipora</i>	Tasmania, Mrs. Heywood McEwen, May 1892	N.D.
<i>Neophyllis melacarpa</i>	Victoria, Australia, F.R.M.Wilson	Isotype
<i>Pannaria terrestris</i>	near Warwick, Queensland, F.M.Bailey 17.i.1899	N.D.
<i>Pannaria soredata</i>	Pimpana, Queensland, F.M.Bailey	N.D.
<i>Parmelia amplexula</i>	near Brisbane, Queensland, F.M.Bailey, Oct. 1878	Holotype
<i>Parmelia australiensis</i>	Scyphophorus lat Mont Tabul in Diem, R.Brown 525, Iter Australiense, 1802-5	Lectotype
<i>Parmelia brisbanensis</i>	Brisbane, Queensland, F.M.Bailey, Oct. 1878	N.D.
<i>Parmelia ciliifera</i>	Brisbane, Queensland, F.M.Bailey, 53	Holotype

Taxon	Locality	Status
<i>Parmelia dichotoma</i>	Braidwood District, Bauerlen	N.D.
<i>Parmelia endoleuca</i>	Swan River, James Drummond 75	N.D.
<i>Parmelia erubescens</i>	prope Brisbane, Queensland, F.M.Bailey	Holotype
<i>Parmelia laceratula</i>	Burnett and Brisbane Rivers, F.v.Mueller	N.D.
<i>Parmelia obversa</i>	Riverina, N.S.W., Hugh Patton	Holotype
<i>Parmelia permutata</i>	Brisbane River, Queensland, F.M.Bailey	Holotype
<i>Parmelia platycarpa</i>	near Brisbane, F.M.Bailey	Holotype
<i>Parmelia redacta</i>	Illawarra, N.S.W., Kirton	Holotype
<i>Parmelia reparata</i>	Gocorie Mount., Brisbane, F.M.Bailey	Holotype
<i>Parmelia rutidota</i>	Mt. Gambier	N.D.
<i>Parmelia subdistorta</i>	6 miles W. of Red Cliffs along the Werrimull road, on soil, S.Kurokawa 8.xii.1965	Isotype
<i>Parmelia tasmanica</i>	Swan River, James Drummond 1843	N.D.
	Castlereagh River, Sydney C.Moore 5/76	N.D.
	New Holland, Mr. Schleicher	N.D.
<i>Parmelia tenuirima</i>	Van Dieman's Land, Gunn	N.D.
<i>Physcia caesia</i>	Swan River, James Drummond	N.D.
<i>Ocellularia eucalypti</i>	Kilmore, Victoria, F.R.M.Wilson, 13.v.1896	N.D.
<i>Siphula coriacea</i>	Swan River, James Drummond, 1843	N.D.
<i>Siphula erosa</i>	Lake Hartz, Tasmania, on mossy bole of tree overhanging lake, P.W.James, 29.iii.1963	N.D.
<i>Thysanothecium hyalinum</i>	Swan River, James Drummond 70, on sandy clay	Isolectotype
<i>Thysanothecium hookeri</i>	Swan River, James Drummond 69, ad ligna necnon ad terram nudam	Lectotype
<i>Usnea baileyi</i>	Queensland, F.M.Bailey 164, 1881	N.D.
<i>Usnea molliuscula</i>	Victoria, subalpine country in the upper Ovans River, Mrs. McCann, July 1882	N.D.
<i>Usnea propinqua</i>	Rockhampton, N.S.W.	N.D.
<i>Usnea scarbida</i>	Swan River, James Drummond, 1843	N.D.
<i>Usnea formosa</i>	Peak Range, Australia, F.v.Mueller	N.D.
<i>Usnea himmalthodes</i>	Illawarra, N.S.W., Kirton	N.D.
<i>Usnea tasmanica</i>	Tasmania, Astrolabe 31	N.D.
<i>Lichina tasmanica</i>	Cradle Mountains, on rocks in stream, Tasmania, Rodway, Dec. 1915	Paratype

LICHEN TYPE SPECIMENS HOUSED IN THE CONSERVATOIRE  
ET JARDIN BOTANIQUES, GENEVA  
(N.D. = not designated)

Taxon	Locality	Status
<i>Acarospora wilsonii</i>	On sandstone, Kew, Victoria, F.R.M.Wilson 1892	Cotype
<i>Anzia wilsonii</i>	Eastern Creek, N.S.W. F.R.M.Wilson 1892	Isotype
<i>Buellia amblyogona</i>	Thursday Island, Queensland, Knight 1887	N.D.
<i>Buellia arenaria</i>	Lorne, Victoria, F.R.M.Wilson 1044, 1893	N.D.
<i>Buellia australica</i>	Kuranda, Cairns, North Queensland F.R.M.Wilson 1893	N.D.
<i>Buellia demutans</i>	Queensland, Knight 1887	N.D.
<i>Buellia desertorum</i>	Victoria Desert, W.A., R.Helms 51, 1891	N.D.
<i>Buellia endoleuca</i>	Camperdown, Victoria, F.R.M.Wilson 692, 1892	N.D.
<i>Buellia exilis</i>	Rockhampton, Thozet	N.D.
<i>Buellia extenuata</i> f. <i>athallina</i>	Warrnambool, Victoria, Wilson 669 (p.p.) 1890 Kew, Victoria, F.R.M.Wilson 705, 1892	Syntype Syntype
<i>Buellia farinulenta</i>	Warrnambool, Victoria, F.R.M.Wilson 1417, 1892	N.D.
<i>Buellia fuliginosa</i>	Mt. Macedon, Victoria, F.R.M.Wilson 1691 (p.p.) 1891	N.D.
<i>Buellia geographica</i>	Kuranda, Cairns, North Queensland, F.R.M.Wilson vii.1893	N.D.
<i>Buellia glomerulans</i>	Wallangering, W.A., R.Helms 55	N.D.
<i>Buellia halophila</i>	Cheltenham, Victoria, Wilson 734, 1890, on maritime rocks	N.D.
<i>Buellia inturgescens</i>	Camp 14, Western Australia, R.Helms 81, 1891	N.D.
<i>Buellia macrospora</i>	Youyangs, Victoria, F.R.M.Wilson 827, 1892, on granite	N.D.
<i>Buellia macrosporoides</i>	Thursday Island, Hartmann comm. by Knight 1887 "ad terram coctam ut videtur"	N.D.
<i>Buellia marginulata</i>	Everard Ranges, South Australia, R.Helms 96	N.D.
<i>Buellia perexigua</i>	Erskine River, Victoria, F.R.M.Wilson 1038, 1892	N.D.
<i>Buellia pruinosa</i>	Warrnambool, Victoria, F.R.M.Wilson 724, 1892, on limestone	N.D.

Taxon	Locality	Status
<i>Buellia subarenaria</i>	Lorne, Victoria, F.R.M.Wilson 1031, 1892	Syntype
	Little River, Victoria, F.R.M.Wilson 1438, 1892	Syntype
	Kew, Victoria, F.R.M.Wilson 1386, 1892	Syntype
<i>Buellia subcoronata</i>	Wallangering, W.A., R.Helms, 21.xi. 1891, on soil	Syntype
	Depot No. 1, R.Helms, 9.vi.1891, on soil	Syntype
<i>Buellia submaritima</i>	Warrnambool, Victoria, F.R.M.Wilson 732, 1892, on limestone	N.D.
<i>Buellia ventricosa</i>	Mt. Macedon, Moffat, communicated by F.v.Mueller 1882, on bark	N.D.
<i>Buellia wilsoniana</i>	Warrnambool, Victoria, F.R.M.Wilson 725, 1892, on limestone	N.D.
<i>Cladia ferdinandii</i>	Esperance Bay, communicated by F.v.Mueller 1881	N.D.
<i>Cladonia degerans</i> var. <i>pleuroclada</i>	Grampians, Australia, Sullivan Parramatta, Nova Hollandia, F.v.Mueller 1881	Syntype Syntype
<i>Cladonia furcata</i> var. <i>asperata</i>	Illawarra, N.S.W., Kirton Twofold Bay, Tyrone White Mt. Wellington, Nova Hollandiae, Sieber Scaler's Cove, Australia felix (ex herb. Hampe, 1877)	Syntype Syntype Syntype Syntype
<i>Cladonia furcata</i> var. <i>virgulata</i>	near Mt. Dromedary, N.S.W., Reader 1879	Holotype
<i>Cladonia furcata</i> var. <i>subsquamosa</i>	Illawarra, N.S.W., Kirton	Holotype
<i>Cladonia leucocephala</i>	New England, Australia, Dr. Mueller Herbarium Kew 1889	N.D.
<i>Cladonia scutellata</i>	ad caudicem <i>Macrozamia preissii</i> , Swan River, Preiss	N.D.
<i>Clathroporina desquamans</i>	Brisbane, in cortice <i>Araucaria cunninghamii</i> , Bailey 449, 1889	Holotype
<i>Clathroporina flavescens</i>	Brisbane, Australia, Bailey 515, 1889	N.D.
<i>Clathroporina olivacea</i>	Toowoomba, Queensland, Hartmann	N.D.
<i>Clathroporina robusta</i>	Trinity Bay, Queensland, Sayer	Holotype
<i>Coccocarpia pellita</i> var. <i>mesomorpha</i>	Bellenden Ker district, Bailey 551, 1889 New Hebrides, Rev. Wilson 1893	Syntype Syntype
<i>Coenogonium rigidulum</i>	Toowoomba, Queensland, Hartmann Clarence River, Wilcox	Syntype Syntype

Taxon	Locality	Status
<i>Diplogramma australiense</i>	Brisbane, Bailey 510, 1889	Holotype
<i>Diploschistes scruposus</i> var. <i>australia</i>	Victoria, ad terram arenosum, F.R.M.Wilson, 1888	N.D.
<i>Dirinastrum australiense</i>	Warrnambool, Victoria, F.R.M.Wilson 735, 1890, on maritime calcareous rocks	Holotype
<i>Endocarpon helmsianum</i>	Camp 21(?), R.Helms, 14.vii.1891	N.D.
<i>Endocarpon victoriae</i>	Cheltenham, Victoria, Wilson 988, 1891	Holotype
<i>Gyalecta leptospora</i>	Beaconsfield, Victoria, Wilson, 1892	N.D.
<i>Glyphis cicatricosa</i> var. <i>depauperata</i>	Bellenden Ker, Queensland, Bailey 548, 1889	N.D.
<i>Gymnographa medusulina</i>	Rockhampton, Queensland, Thozet	Holotype
<i>Heppia acarosporoides</i>	Western Australia, Camps 1 & 2, Helms, 7.vi.1891	Holotype
<i>Heppia australiensis</i>	Western Australia, R.Helms 35, 28.v.1891	Holotype
<i>Heppia brisbanensis</i>	Queensland, Shirley 51, 1891	N.D.
<i>Lecania subsquamosa</i> var. <i>leprosa</i>	Kew, Victoria, on sandstone, F.R.M.Wilson 1741	N.D.
<i>Lecania molliuscula</i>	Victoria, F.R.M.Wilson 1372, 1893	Holotype
<i>Lecania chlaronoides</i>	N.S.W., Dr. Knight 43 (p.p.), 1887	N.D.
<i>Lecanactis microporella</i>	Queensland, Shirley, 1893	N.D.
<i>Lecanactis</i> <i>platygraphoides</i>	Brisbane, Queensland, Bailey 1541, 1891	N.D.
<i>Lecanactis quassiae</i> var. <i>obfuscata</i>	Toowoomba, Queensland, Hartmann 35	N.D.
<i>Leptogium pecten</i>	Glenmaggie, Victoria, F.R.M.Wilson, on butt of ti tree, Sept. 1886	Syntype
<i>Leptotrema aemulum</i>	Queensland, Knight 295, 1887	Lectotype
<i>Leptotrema diffractum</i>	Bellenden Ker district, Bailey 527, 1889	Holotype
<i>Leptotrema fallax</i>	Richmond River, Australia, Miss Hodgkinson	Holotype
<i>Leptotrema heterosporum</i>	Australia, Dr. Knight 1886	Isotype
<i>Leptotrema integrum</i>	Russell River, Queensland, Sayer 20	Holotype
<i>Leptotrema nitidulum</i>	Queensland, Knight 22, 1887	Holotype
<i>Leptotrema polycarpum</i>	Queensland, Knight 80, 1887	Isotype
<i>Medusulina egenella</i>	Bellenden Ker, Queensland, Bailey, 1889	N.D.
<i>Parathelium decumbens</i>	Brisbane, Queensland, Bailey 1611, 1891	N.D.

Taxon	Locality	Status
<i>Parmelia amphixantha</i>	N.W. of Lake Albacutya, Victoria, C.French, communicated by F.v.Mueller 1887	Holotype
<i>Parmelia coniocarpa</i>	Nova Hollandiae, M.Sieber, 1826	Isotype
<i>Parmelia convoluta</i>	Central Australien, Giles	N.D.
<i>Parmelia conspersa</i> var. <i>constrictans</i> f. <i>isidiophora</i>	Mt. Macedon, Victoria, Moffat	Holotype
<i>Parmelia conspersa</i> var. <i>laxa</i>	Mt. Kosciusko, N.S.W., Findlay	Syntype
<i>Parmelia conspersa</i> var. <i>laxa</i> f. <i>isidiigera</i>	King George's Sound, Harris communicated by F.v.Mueller 1881	Holotype
<i>Parmelia conspersa</i> var. <i>strigosa</i>	Beechworth, Australia, Victoria, Falck 12, 1881	Holotype
<i>Parmelia conspersa</i> var. <i>stenophylla</i> f. <i>isidiosa</i>	Western Australia, Helms, on piece of rock	Lectotype
<i>Parmelia conspersa</i> var. <i>stenophylloides</i>	Western Australia, Depot no. 1, R.Helms, 16.vi.1891	Syntype
<i>Parmelia ferax</i>	Guntawang, N.S.W., Hamilton	Holotype
<i>Parmelia furcata</i>	N.S.W., Leichhardt, communicated by F.v.Mueller 1882	Holotype
<i>Parmelia ochroleuca</i>	Illawarra, N.S.W., Kirton	Holotype
<i>Parmelia ochroleuca</i> var. <i>sorediosa</i>	near Mt. Dromedary, N.S.W., Reader, 1882	Syntype
	Twofold Bay, N.S.W., Tyrone White, 1882	Syntype
<i>Parmelia gracilis</i>	Daintree River, Queensland, Pentylke 1887	Holotype
<i>Parmelia hospitans</i>	Parramatta, Woolls, communicated by F.v.Mueller 1879	Syntype
<i>Parmelia hypoleuca</i>	Victoria, French scrubs, French 1887	Holotype
<i>Parmelia hypoleuca</i> f. <i>coralloidea</i>	Lower Murray River, Victoria, French, 1887	Holotype
<i>Parmelia limbata</i> f. <i>endococcinea</i>	Russell River, Queensland, Sayer, 1886	Holotype
<i>Parmelia physodes</i> var. <i>leucina</i>	Dargo, subalpine plains, R.Holl., communicated by F.v.Mueller 1895	N.D.
<i>Parmelia physodes</i> var. <i>rugosa</i>	Mt. Macedon, Victoria, Moffat 45 Grampians, Victoria, D.Sullivan 15	Syntype Syntype
<i>Parmelia physodes</i> var. <i>tenuis</i>	Parramatta, Woolls McLeay River, Australia, Aug. Budder	Syntype Syntype
<i>Parmelia polycarpa</i>	Swan River, James Drummond 73	N.D.

Taxon	Locality	Status
<i>Parmelia proboscidea</i> var. <i>aspera</i>	Ash Island, Hunter River, N.S.W., E.Forde, 1881	Syntype
<i>Parmelia pruinata</i>	Yorke Peninsula, South Australia, on <i>Cryptandra amara</i> , Tepper, 1879	Holotype
<i>Parmelia subdistorta</i>	6 miles west of Red Cliffs along the Werrimull road, Victoria, on soil, S.Kurokawa, 8.xii.1965	Isotype
<i>Parmelia tenuirima</i> f. <i>coralloidea</i>	Mitchell River, Gippsland, C.B(r)oss, 1882	Lectotype
<i>Parmelia tenuirima</i> f. <i>isidiosa</i>	Victoria, Knight, 1887	Holotype
<i>Parmelia tiliacea</i> var. <i>convexula</i>	Brisbane, Bailey, 1891	Holotype
<i>Parmelia tiliacea</i> var. <i>feracissima</i>	Guntawang, N.S.W., Hamilton, 1885	Holotype
<i>Parmelia tiliacea</i> var. <i>rugulata</i>	Queensland, F.M.Bailey Toowoomba, Queensland, Hartmann	Syntype Syntype
<i>Parmelia tiliacea</i> var. <i>stenophylla</i>	Toowoomba, Queensland, Hartmann	Holotype
<i>Parmelia urceolata</i> var. <i>subcetraria</i>	Toowoomba, Queensland, Hartmann, 1881	Holotype
<i>Parmelia versicolor</i>	Eurio, A.Richards, June 1880	Holotype
<i>Parmelia virens</i> var. <i>sorediata</i>	Toowoomba, Queensland, Hartmann, 1882	Holotype
<i>Parmelia xanthomelana</i>	Grampians, Australia, Sullivan, 1882	Holotype
<i>Parmeliella bauerleni</i>	Broger's Creek, W.Bauerlen, 1884	Holotype
<i>Parmentaria baileyana</i>	Belleden Ker, Queensland, Bailey 543 (p.p.) 1889	N.D.
<i>Parmentaria microspora</i>	Toowoomba, Dr. Knight 120, 1886	N.D.
<i>Parmentaria subplana</i>	Toowoomba, Queensland, Dr. Knight 222, 1886	N.D.
<i>Parmentaria</i> <i>subumbilicata</i>	Toowoomba, Queensland, Knight	N.D.
<i>Parmentaria subastroidea</i>	Queensland, Shirley 1863, 1893	N.D.
<i>Parmentaria subastroidea</i> var. <i>subsimpler</i>	Queensland, Shirley 1875, 1893	N.D.
<i>Phaeographina banksii</i>	Maffra, Victoria, F.R.M.Wilson 879 1892, on <i>Hymenanthera banksii</i>	N.D.
<i>Phaeographina</i> <i>caesiopruinosa</i> var. <i>monospora</i>	Toowoomba, Queensland, Hartmann, communicated by F.v.Mueller 1894	N.D.
<i>Phyllopsora foliata</i> var. <i>subcorallina</i>	Toowoomba, Queensland, Hartmann, communicated by F.v.Mueller 1881	Holotype



Taxon	Locality	Status
<i>Phyllopsora melanocarpa</i>	Victoria, F.R.M.Wilson 150, communicated by F.v.Mueller	N.D.
<i>Physcia crispa</i> var. <i>linearis</i>	Victoria, Knight 127, 1887	N.D.
<i>Pluerotheliopsis</i> <i>australiensis</i>	Queensland, Bailey 562, 1889	N.D.
<i>Pleurotrema pyrenuloides</i>	Queensland, Dr. C.Knight 49,50,51, 45,25,314,317, 1887	Syntypes
<i>Pyxine retirugella</i> var. <i>endoxantha</i> f. <i>sorediosa</i>	Java, 1882 Queensland, Knight 16, 1887 Queensland, Knight 17, 1887	Syntype Syntype Syntype
<i>Ramalea cochleata</i>	Queensland, Shirley 18 Sandringham, Victoria, F.R.M.Wilson 19 Victoria, Knight 322, 1887	Syntype Syntype Syntype
<i>Ramalina aggregata</i>	Queensland, Shirley 19, 1891	Holotype
<i>Ramalina farinacea</i> var. <i>dendroides</i>	Ash Island, Hunter River, E.Forde, communicated by F.v.Mueller 1881	N.D.
<i>Ramalina farinacea</i> var. <i>nervulosa</i>	Daintree River, Queensland, G.Pentzke, comm. by F.v.Mueller 1882	N.D.
<i>Ramalina farinacea</i> var. <i>squarrosa</i>	Rockhampton, Queensland, Mrs. Thozet, comm. by F.v.Mueller 1881	N.D.
<i>Ramalina fastigiata</i>	Grampians, D.Sullivan 14, comm. by F.v.Mueller 1882	N.D.
<i>Ramalina fissa</i>	King's Island inter Melbourne et Tasmania, C.French comm. by F.v.Mueller 1888	N.D.
<i>Ramalina glaucescens</i>	Mt. Ararat, auf Astchen	N.D.
<i>Ramalina lacerata</i>	Eucla, Western Australia, J.Oliver 1882	N.D.
<i>Ramalina myrioclada</i>	Twofold Bay, N.S.W., Tyrone White, comm. by F.v. Mueller 1882	N.D.
<i>Toninia australiensis</i>	Australia felix, Dr. F.Mueller (ex Herb. Hampe)	N.D.
<i>Toninia nitidum</i>	Summit of Mt. Kosciusko, F.v.Mueller, 1884 Summit of Mt. Hotham, Victoria, F.R.M.Wilson 1157, 1893	Syntype Syntype
<i>Tremotylium australiense</i>	Toowoomba, Queensland, Hartmann	N.D.
<i>Tremotylium nitidulum</i>	Brisbane, Queensland, Bailey 367, 1891	N.D.
<i>Tylophoron triloculare</i>	Brisbane, Queensland, Bailey 1533, 1891	N.D.

Taxon	Locality	Status
<i>Usnea angulosa</i>	Upper Swan River, W.A., Miss Sewell, comm. by F.v.Mueller 1885	N.D.
<i>Usnea microcarpodes</i>	Clarence River, Australia, Wilcox, comm. by F.v.Mueller 1881	N.D.
<i>Usnea tasmanica</i>	Van Dieman's Land, Astrolabe 31, comm. by de Franquer 1878	N.D.
<i>Usnea torulosa</i>	Mt. Kosciusko, N.S.W., Findlay	N.D.

CHEMISTRY OF LICHEN TYPE SPECIMENS HOUSED IN THE  
BRITISH MUSEUM (BM) AND THE CONSERVATOIRE  
ET JARDIN BOTANIKUES, GENEVA (G).

- BM *Anzia colpodes*  
Atranorin, divaricatic acid
- BM *Anzia angustata*  
Divaricatic acid and unknown
- BM *Anzia semiteres*  
Divaricatic acid
- BM *Baemomyces fungoides*  
Baeomycesic acid, squamatic acid
- BM *Baeomyces fusco-carneus*  
Norstictic acid, connorstictic acid
- BM *Chondropsis semiviridis*  
Usnic acid, protocetraric acid, fumarprotocetraric acid
- BM *Lepraria citrina*  
Pinartic acid
- BM *Lichen plicatus* (Linnaean Herbarium as type for *Usnea plicatus*)  
Usnic acid, salazinic acid
- BM *Lobaria crenulata*  
Gyrophoric acid, congyrophoric acid
- BM *Menegazzia aeneofusca*  
Stictic acid, constictic acid, norstictic acid (trace), Atranorin, and  
two unknowns
- BM *Menegazzia dispersa*  
Atranorin, quintaria complex (three pink spots)
- BM *Menegazzia pertransita*  
Atranorin, stictic acid, constictic acid, two unknowns
- BM *Menegazzia retipora*  
Atranorin, stictic acid, unknown
- BM *Menegazzia subpertusa*  
Atranorin, stictic acid, constictic acid, two unknowns
- BM *Neophyllis melacarpa*  
Grayanic acid, unknown violet pigment
- BM *Ocellularia leucotylia*  
Psoromic acid
- G. *Parmelia amphisantha* Holotype  
Usnic acid, norstictic acid, stictic acid
- BM *Parmelia australiensis*  
Usnic acid, loxodic acid

- BM *Parmelia austro-africana*  
Protocetraric acid
- BM *Parmelia brisbanensis*  
Atranorin, vulpinic acid
- BM *Parmelia ciliifera*  
Atranorin, alectoronic acid, gyrophoric acid
- G *Parmelia conspersa* var. *constrictans* f. *isidiophora* Holotype  
Usnic acid, salazinic acid, norstictic acid
- G *Parmelia conspersa* var. *laxa* Syntype  
Usnic acid, salazinic acid
- G *Parmelia conspersa* var. *strigosa* Holotype  
Usnic acid, norstictic acid, salazinic acid
- G *Parmelia conspersa* var. *laxa* f. *isidiigera* Holotype  
Usnic acid, salazinic acid
- G *Parmelia conspersa* var. *strigosa* Holotype  
Usnic acid, norstictic acid, salazinic acid
- G *Parmelia conspersa* var. *stenophylla* f. *isidiosa* Lectotype  
Usnic acid, salazinic acid
- G *Parmelia conspersa* var. *stenophylloides* Syntype  
Usnic acid, norstictic acid
- BM *Parmelia dilatata*  
Protocetraric acid, usnic acid (trace)
- BM *Parmelia erubescens*  
Atranorin, salazinic acid
- G *Parmelia ferax* Holotype  
Usnic acid, protocetraric acid, physodalic acid
- G *Parmelia furcata* Holotype  
Usnic acid, loxodic acid
- G *Parmelia gracilis* Holotype  
Usnic acid, protocetraric acid, caperatic acid
- G *Parmelia hospitans* Syntype  
Atranorin, paraphysodic acid, physodic acid, conphysodic acid, and unknown below protocetraric in HE.
- BM *Parmelia hypoclystoides* Holotype  
Usnic acid, salazinic acid, norstictic acid
- G *Parmelia hypoleuca* Holotype  
Lecanoric acid
- G *Parmelia hypoleuca* f. *coralloidea* Holotype  
Lecanoric acid
- BM *Parmelia obversa*  
Usnic acid, physodalic acid
- G *Parmelia ochroleuca* Holotype  
Usnic acid, protocetraric acid, caperatic acid
- G *Parmelia ochroleuca* var. *sorediosa* Syntype  
Usnic acid, protocetraric acid
- G *Parmelia permutata*  
Gyrophoric acid, pigment
- G *Parmelia physodes* var. *leucina*  
Atranorin, physodic acid, conphysodic acid
- G *Parmelia physodes* var. *rugosa* Syntype  
Atranorin, physodic acid, conphysodic acid, physodalic acid, protocetraric acid, paraphysodic acid
- G *Parmelia physodes* var. *tenuis* Syntype  
Atranorin, physodic acid, conphysodic acid, physodalic acid, protocetraric acid, paraphysodic acid
- BM *Parmelia platycarpa*  
Atranorin, stictic acid

- G *Parmelia proboscidea* var. *aspera* Syntype  
Salazinic acid
- G *Parmelia pruinata* Holotype  
Atranorin, lecanoric acid
- BM *Parmelia reparata*  
Atranorin, salazinic acid
- BM *Parmelia rutidota*  
Usnic acid, protocetraric acid, caperatic acid
- BM *Parmelia subalbicans*  
Atranorin, lecanoric acid
- G *Parmelia tenuirima* f. *coralloidea* Lectotype  
Atranorin, salazinic acid
- G *Parmelia tenuirima* f. *isidiosa* Holotype  
Atranorin, salazinic acid
- G *Parmelia tiliacea* var. *rugulata* Syntype  
Atranorin, protocetraric acid
- G *Parmelia tiliacea* var. *stenophylla* Holotype  
Atranorin, protocetraric acid
- G *Parmelia tiliacea* var. *convexula* Holotype  
Atranorin, protocetraric acid
- G *Parmelia tiliacea* var. *feracissima* Holotype  
Fatty acids
- G *Parmelia versicolor* Holotype  
Usnic acid, salazinic acid
- G *Parmelia virens* var. *sorediata* Holotype  
Atranorin, salazinic acid
- G *Parmelia xanthomelana* Holotype  
Stictic acid
- G *Ramalina farinacea* var. *dendroides*  
Sekikaic acid aggregate
- G *Ramalina farinacea* var. *nervulosa*  
Divaricatic acid
- G *Ramalina farinacea* var. *squarrosa*  
Sekikaic acid aggregate
- G *Ramalina fissa*  
Salazinic acid
- G *Ramalina inflata*  
Divaricatic acid
- G *Ramalina lacerata*  
No medullary substances
- G *Ramalina myrioclada*  
No medullary substances
- BM *Siphula erosa*  
Thammolic acid
- BM *Thysanothecium hyalinum*  
Usnic acid, divaricatic acid
- BM *Usnea baileyi*  
Norstictic acid, pigment
- BM *Usnea formosa*  
Usnic acid, pigment (cf. *U. baileyi*)
- BM *Usnea implicata*  
Usnic acid, salazinic acid, norstictic acid
- BM *Usnea molliuscula*  
Usnic acid, salazinic acid
- BM *Usnea strigosa*  
Norstictic acid, pigment