

Abbreviations and Contractions

Literature

Author abbreviations follow R.K.Brummitt & C.E.Powell, *Authors of Plant Names* (Royal Botanic Gardens, Kew, 1992).

Journal titles are abbreviated in accordance with G.H.M.Lawrence *et al.*, *Botanico-Periodicum-Huntianum* (Hunt Botanical Library, Pittsburgh, 1968) and G.D.R.Bridson & E.R.Smith, *Botanico-Periodicum-Huntianum/Supplementum* (Hunt Institute for Botanical Documentation, Pittsburgh, 1991).

Other literature is abbreviated in accordance with F.A.Stafleu & R.S.Cowan, *Taxonomic Literature*, 2nd edn (Bohn, Scheltema & Holkema, Utrecht, 1976–1987), except that upper case initial letters are used for proper names and significant words.

Herbaria

Abbreviations of herbaria are in accordance with P.K.Holmgren, N.H.Holmgren & L.C.Barnett, *Index Herbariorum* Part I, 8th edn (New York Botanical Garden, 1990). Those most commonly cited are:

AD	State Herbarium of South Australia, Adelaide
BM	The Natural History Museum, London
BRI	Queensland Herbarium, Brisbane
CANB	Australian National Herbarium, Canberra
DNA	Northern Territory Herbarium, Darwin
HO	Tasmanian Herbarium, Hobart
MEL	National Herbarium of Victoria, Melbourne
NSW	National Herbarium of New South Wales, Sydney
PERTH	Western Australian Herbarium, Perth

States, Territories

Abbreviations of Australian States and Territories as used in statements of distribution and citation of collections are:

A.C.T.	Australian Capital Territory
N.S.W.	New South Wales
N.T.	Northern Territory
Qld	Queensland
S.A.	South Australia
Tas.	Tasmania
Vic.	Victoria
W.A.	Western Australia

General abbreviations

add.	addendum
alt.	altitude
app.	appendix
<i>auct.</i>	<i>auctoris/auctorum</i> (of an author or authors)
<i>auct. mult.</i>	<i>auctorum multorum</i> (of many authors)
<i>auct. non</i>	<i>auctorum non</i> (of authors [but] not....), used for misapplied names
c.	<i>circa</i> (about)
cf.	<i>confer</i> (compare)
Ck	Creek
cm	centimetre
coll.	collector

colln	collection
<i>comb.</i>	<i>combinatio</i> /combination
<i>cons.</i>	<i>conservandus</i>
Dept	Department
<i>descr.</i>	<i>descriptio</i>
diam.	diameter
E	east
ed./eds	editor/editors
edn	edition
e.g.	<i>exempli gratia</i> (for example)
<i>et al.</i>	<i>et alii/et aliorum</i> ; and others/and of others
f.	<i>forma</i> /form
fam.	<i>familia</i> /family
fig./figs	figure/figures (in other works)
gen.	<i>genus</i> /genus
<i>gen. nov.</i>	<i>genus novus</i> (new genus)
holo	holotype
HPLC	high performance liquid chromatography
HS	Homestead
Hwy	Highway
i.e.	<i>id est</i> (that is)
<i>ined.</i>	<i>ineditus</i> (unpublished)
<i>in litt.</i>	<i>in litteris</i> (in correspondence)
I./Is.	Island/Islands
iso	isotype
isolecto	isolectotype
km	kilometre
L.	Lake
L.A.	Logging Area
lat.	latitude
lecto	lectotype
<i>loc. cit.</i>	<i>loco citato</i> (in bibliographic citations: in the same work and page as just cited)
<i>loc. id.</i>	<i>loco idem</i> (in specimen citations: in the same place as just cited)
long.	longitude
m	metre
mm	millimetre
Mt/Mts	Mount/Mounts
Mtn/Mtns	Mountain/Mountains
N	north
Natl	National
NE	north-east
neo	neotype
<i>nom. cons.</i>	<i>nomen conservandum</i> (conserved name)
<i>nom. cons. prop.</i>	<i>nomen conservandum propositus</i> (proposed conserved name)
<i>nom. illeg.</i>	<i>nomen illegitimum</i> (illegitimate name)
<i>nom. inval.</i>	<i>nomen invalidum</i> (name not validly published)
<i>nom. nov.</i>	<i>nomina nova</i> (new name)
<i>nom. nud.</i>	<i>nomen nudum</i> (name published without a description or reference to a published description)
<i>nom. rej.</i>	<i>nomen rejiciendum</i> (rejected name)
<i>nom. superfl.</i>	<i>nomen superfluum</i> (superfluous name)
<i>nov.</i>	<i>novus</i> /new
n. ser.	new series
<i>n.v.</i>	<i>non vidi</i> (not seen)

NW	north-west
<i>op. cit.</i>	<i>opere citato</i> (in the work cited above)
opp.	opposite
orth.	orthography, orthographic
p./pp.	page/pages
Penin.	Peninsula
pers. comm.	by personal communication
pl./pls	plate/plates
<i>p.p.</i>	<i>pro parte</i> (in part)
<i>p.p. max</i>	<i>pro parte maxima</i> , the larger part
<i>p.p. min</i>	<i>pro parte minore</i> , the smaller part
<i>q.v.</i>	<i>quod vide</i> (which see)
R.	River
Ra.	Range
Rd	Road
rly	railway
S	south
SE	south-east
sect.	<i>sectio</i> /section
SEM	Scanning Electron Micrograph
ser./sér.	series/série
<i>s. lat.</i>	<i>sensu lato</i> (in a wide sense)
<i>s. loc.</i>	<i>sine loco</i> (without locality)
<i>s.n.</i>	<i>sine numero</i> (without number)
sp./spp.	species (singular/plural)
<i>sp. aff.</i>	<i>species affinis</i> (species related to)
<i>sp. nov.</i>	<i>species nova</i> (new species)
<i>s. str.</i>	<i>sensu stricto</i> (in a narrow sense)
St	Saint/Street
<i>stat.</i>	<i>status</i> /status
Stn	(pastoral) Station
subg.	subgenus
subsp./	
subsp.	subspecies (singular/plural)
<i>subsp. nov.</i>	<i>subspecies nova</i> (new subspecies)
suppl.	supplement
SW	south-west
syn	syntype
synon.	synonym
T	Type (collection)
t./tt.	<i>tabula/tabulae</i> (plate/plates)
TLC	thin layer chromatography
topo	topotype
trib.	<i>tribus</i> /tribe
trig.	trigonometric station
T.S.	transverse section
<i>typ. cons.</i>	<i>typus conservandus</i> (conserved type)
var.	<i>varietas</i> /variety
<i>viz.</i>	<i>videlicet</i> (namely)
UV	ultraviolet
W	west

Symbols

±	<i>in species descriptions</i> , more or less
±	<i>in lichen chemistry</i> , with or without
<	less than
>	more than
→	<i>in lichen chemistry</i> , changing colour.
µm	micrometre

Colour tests for lichen substances

K	A 10% aqueous solution of potassium hydroxide.
C	Commercial bleach solution (aqueous sodium hypochlorite/sodium chloride).
KC	K reagent immediately followed by C reagent.
I	Lugol's iodine solution.
N	Concentrated nitric acid. Caution: This is an extremely corrosive substance.
P	A saturated solution of <i>p</i> -paraphenylenediamine (1,4-diaminobenzene) in 95% ethanol. Caution: Since <i>p</i> -paraphenylenediamine is poisonous, great care should be taken to avoid inhalation (of the dust or powder) and contact with the skin (powder and solution). Contact with clothing or paper will cause permanent discolouration.