

Appendix 4: Excluded Taxa

i) Taxa included by Doidge (1950) but reported only from outside South Africa

Acarospora angolensis H. Magn.
Acarospora fuscata (Nyl.) Arnold
Acarospora initialis var. *perfectior* H. Magn.
Acarospora perexigua (Müll. Arg.) Hue
Acarospora rhodesiae H. Magn.
Anaptychia leucomelaena var. *multifida* f. *squarrosa* Vain.
Anaptychia speciosa var. *lobulifera* Vain.
Anthracotheceum thelemorphum (Vain.) Zahlbr.
Arthonia antillarum Nyl.
Arthonia dispersa (Schrad.) Nyl.
Arthonia platygraphidea Nyl.
Blastenia confluens Müll. Arg.
Blastenia poliota (Nyl.) Müll. Arg.
Bombyliospora leprolyta (Nyl.) Zahlbr.
Buellia afra Vain.
Buellia albinea Müll. Arg.
Buellia disciformis f. *ulgata* H. Olivier
Buellia inquilina Tuck.
Buellia olivacea Müll. Arg.
Buellia pura Vain.
Buellia rhodesiaca Zahlbr.
Buellia spuria var. *ferruginea* Vain.
Buellia subalbula (Nyl.) Müll. Arg.
Caloplaca benguellensis (Nyl.) Zahlbr.
Caloplaca cinnabarina var. *opaca* (Müll. Arg.) Zahlbr.
Caloplaca elegantissima (Nyl.) Zahlbr.
Caloplaca flava (Müll. Arg.) Zahlbr.
Caloplaca mastophora var. *flavorubescens* Vain.
Caloplaca pyracea f. *pyrithromoides* H. Olivier
Caloplaca pyracea f. *pyropoecila* (Nyl.) Zahlbr.
Caloplaca zambesica (Müll. Arg.) Zahlbr.
Chiodecton subnanum Vain.
Cladonia bacillaris f. *pityropoda*
Cladonia gorgonina var. *subrangiferina* (Nyl.) Vain.
Cladonia pyxidata var. *chlorophaea* Floerke
Collema furfum (Ach.) DC.
Crocynia membranacea (Dicks.) Zahlbr.
Dermatina pyrenocarpa (Nyl.) Zahlbr.
Haematomma coccineum var. *porphyricum* (Pers.) Th. Fr.
Heppia azurea Vain.
Heppia guepini (Del.) Nyl.
Heppia mossamedana Vain.
Lecanora atra var. *americana* Fée
Lecanora epichlora Vain.
Lecanora hypocrocina Nyl.
Lecanora impressa (Kremp.) Zahlbr.
Lecanora subcarnea (Sw.) Ach.
Lecidea leptobola Nyl.
Lecidea lithagogo Vain.
Lecidea mossamedana Vain.
Lecidea placodina Nyl.
Lepraria citrina Schaer.
Lepraria xanthina Vain.
Leptogium adpressum Nyl.
Leptogium brebissonii Mont.

Leptotrema microglaenoides (Vain.) Zahlbr.
Maronea horizoides (Müll. Arg.) Vain.
Opegrapha medusulina Nyl.
Opegrapha menyharthii Müll. Arg.
Parmelia concrescens Vain.
Parmelia coronata var. *denudata* Vain.
Parmelia ecaperata Müll. Arg.
Parmelia hypocraea Vain.
Parmelia majoris Vain.
Parmelia mougeotii var. *obscurata* Müll. Arg.
Parmelia nitens Müll. Arg.
Parmelia zollingeri Hepp
Peccania minuscula (Nyl.) Zahlbr.
Pertusaria coriacea var. *obducens* Zahlbr.
Pertusaria mamillana Müll. Arg.
Pertusaria microthelia Vain.
Pertusaria rhodesica Vain.
Pertusaria tropica Vain.
Pertusaria xanthothelia Müll. Arg.
Physcia adglutinata var. *pyrithrocardia* Müll. Arg.
Physcia aipolia var. *acrita* Hue
Physcia melanocarpoides Vain.
Physcia ochroleuca Müll. Arg.
Placothelium staurothelioides Müll. Arg.
Psorotichia cataractae Zahlbr.
Psorotichia fuliginella (Nyl.) Vain.
Pyrenopsis robustula Müll. Arg.
Pyrenula cerina f. *expallens* Zahlbr.
Pyrenula pleiomeriza (Nyl.) Zahlbr.
Pyxine meissneri var. *sorediosa* Müll. Arg.
Pyxine meissneri var. *subobscurans* Malme
Pyxine petricola Nyl.
Pyxine rhodesiaca Vain.
Ramalina dendriscooides Nyl.
Ramalina euphorbiae Vain.
Rinodina bicolor Zahlbr.
Rinodina conspersa Müll. Arg.
Rinodina huillensis Vain.
Roccella fucooides var. *arnoldi* Zahlbr.
Roccella hereroensis Vain.
Roccella hypomecha var. *isabellina* Vain.
Roccella mossamedana Vain.
Roccella podocarpa (Welw.) Vain.
Roccella tinctoria f. *complanata* Vain.
Roccella tinctoria var. *subpodicellata* Vain.
Thelotrema diplochistoides Vain.
Usnea acanthera Motyka
Usnea malacea Zahlbr. var. *subelegans* Zahlbr.
Usnea perspinosa Motyka
Usnea submusciformis Vain.

ii) Names of uncertain application reported by Doidge (1950)

Cladonia sylvatica (L.) Hoffm : This name has been used for a number of species in the *C. rangiferina* group.

Dermatocarpon hepaticum (Ach.) Th. Fr.: probably *Placidium squamulosum* (Ach.) Breuss.

Lecanora chlarona (Ach.) Nyl.: Either *L. chlarotera* Nyl. or *L. pulicaris* (Pers.) Ach. (*L. chlarona* f. *geographica* Nyl. also reported by Doidge 1950)

Lecanora subfusca (L.) Ach.: This name has been used for a number of corticolous species of *Lecanora*.

Parmelia olivacea Nyl.: Feuerer refers Doidge's report of *P. olivacea* to *P. panniformis* (= *Melanelia panniformis*). However, the name *Parmelia olivacea* was previously used for a number of brown parmelioid species and so its application is uncertain.

Parmelia taractica Kremp.: South African records are probably misdeterminations of *X. laxchalybaeizans* or *X. bibax*.

Physcia hispida (Schreb.) Frege: Either *P. adscendens* (Fr.) H. Olivier, *P. leptalea* (Ach.) DC. or *P. tenella* (Scop.) DC.

Physcia picta f. *isidiifera* Nyl.: this name is not in Index Fungorum. Possibly *Physcia picta* f. *isidiophora* Nyl. (= *Heterodermia isidiphora* (Nyl.) D.D. Awasthi).

Toninia caeruleonigricans Th. Fr.: possibly *T. australis* Timdal

iii) Taxa incorrectly reported by Brusse (1988e)

Dimerella zonata (Müll. Arg.) R. Sant.: corrected to *Coenogonium luteum* (Dicks.) Kalb & Lücking (Brusse 1991c).

Heterodermia erinacea (Ach.) W. Weber: corrected to *Heterodermia* cf. *comosa* (Eschw.) Follm. & Redon (Brusse 1991c).

Lecanora gangaleoides Nyl.: not this species (Brusse 1991b).

Phyllopsora haemophae (Nyl.) Müll. Arg.: corrected to *Phyllopsora pannosa* Nyl. (Brusse 1989d).

Parmelia usambarensis J. Steiner & Zahlbr.: corrected to *Parmelinella wallichiana* Taylor (Brusse 1991c).

Toninia toninioides (A. Massal.) Zahlbr.: corrected to *Toninia lutosa* (Ach.) Timdal (Brusse 1993)

iv) Australian species of *Xanthoparmelia* incorrectly reported from South Africa

South African collections of several taxa that were described from Australia have subsequently been shown to represent different taxa (all J. Elix *pers comm.*).

Xanthoparmelia amplexula (Stirt.) Elix & J. Johnst.: Reported by Nash & Elix (1987) - South African records are misdeterminations of *X. amplexuloides* Hale.

Xanthoparmelia digitiformis (Elix & Amstr.) Filson: Reported by Nash & Elix (1987) but South African records are misdeterminations of *X. concolor* (Spreng.) Hale

Xanthoparmelia dissitifolia Kurok. ex Elix & J. Johnst.: Reported by Elix et al (1986a) but South African records are misdeterminations of *X. olifantensis* Hale.

Xanthoparmelia filarszkyana (Gyeln.) Hale: Reported by Brusse (1988e) as *Parmelia filarszkyana* Gyeln. but South African records are misdeterminations of *X. norlobaronica* Hale.

Xanthoparmelia filsonii Elix & J. Johnst.: Reported by Nash & Elix (1987) but South African records are misdeterminations of *X. minuta* D. Knox & Hale.

Xanthoparmelia isidiosa (Müll. Arg.) Elix & J. Johnst.: Reported by Nash & Elix (1987) but South African records are misdeterminations of *X. geesterani* (Hale) Hale & Elix.

Xanthoparmelia mougeotina (Nyl.) D.J. Galloway: Reported by Elix et al (1986a) but South African records are misdeterminations of *X. congensis* (J. Steiner) Hale.

Xanthoparmelia numinbahensis (Elix) Elix: Reported by Nash & Elix (1987) as *Paraparmelia numinbahensis* (Elix) Elix & J. Johnst. but South African records are misdeterminations of *X. oveana* (Elix) Elix.

Xanthoparmelia pertinax (Kurok. & Filson) Elix & J. Johnst.: Reported by Nash & Elix (1987) but South African records are misdeterminations of *X. ceresina* (Vain.) Hale.

Xanthoparmelia protomatrae (Gyeln.) Hale: Reported by Doidge (1950) as *Parmelia digitulta* f. *mitrovicensis* Gyeln., which according to Hale (1990) is a synonym of this species, but South African records are misdeterminations of *X. phaeophana* (Stirt.) Hale.

Xanthoparmelia spodochoa (Kurok. & Filson) Elix: Reported by Nash & Elix (1987) as *Paraparmelia spodochoa* (Kurok. & Filson) Elix & J. Johnst. but South African records are misdeterminations of *X. condyloides* (Kurok.) Elix.

Xanthoparmelia stenophylla (Ach.) Du Rietz: Reported by Doidge (1950) as *Parmelia stenophylla* f. *hypomelaena* Vain. ex Lynge but South African records are probably misdeterminations of *X. bibax* (Brusse) Hale.

Xanthoparmelia subcrustacea (Gyeln.) Hale: Reported by Doidge (1950) as *Parmelia subcrustacea* (Gyeln.) but South African records are misdeterminations of *X. brevilobata* Hale.

Xanthoparmelia terrestris Hale: Reported by (Nash & Elix 1987) but South African records are misdeterminations of *X. terricola* Hale, T.H. Nash & Elix.

v) Other taxa

Acarospora sinopica (Wahlenb.) Körb. (Kerr & Zavada 1989): reported as "one of the most abundant saxicolous lichens in the African High Veld region. Its ubiquitous and unrestricted occurrence on a wide variety of rock substrate...". However, *A. sinopica* is an uncommon species restricted to rocks with a high iron content and so its report from South Africa is almost certainly incorrect.

Alectoria chalybeiformis f. *terrestris* Stizenb. and *A. jubata* (L.) Ach. (DoIDGE 1950): The specimens upon which the reports of

these two species were based were redetermined by Kärnefelt (1987b) as filamentous cyanobacteria.

Note: This is the Online Appendix of Fryday, A.M., 2015, 'A new checklist of lichenised, lichenicolous and allied fungi reported from South Africa', *Bothalia* 45(1), Art. #148, 4 pages. <http://dx.doi.org/10.4102/abc.v45i1.148>