

## 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 poliotera* (Nyl.) Müll. Arg.  
*Bombyliospora leprolyta* (Nyl.) Zahlbr.  
*Buellia afra* Vain.  
*Buellia albinea* Müll. Arg.  
*Buellia disciformis* f. *vulgata* 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.

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**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>